

**CAMECO CORPORATION**  
**BLACK LAKE PROJECT**  
**2001 PROGRAM OF BEDROCK AND DRILL CORE SAMPLING**

Sharron Lake and Zarn Lake Area, Ontario

N.T.S. 52J/4

2 . 218 21



M. Koziol  
District Geologist

D. Babin  
Geologist

July 19, 2001



## SUMMARY & RECOMMENDATIONS

The Black Lake property is located in the Sharron and Zarn Lake area, approximately 25km east-northeast of Sioux Lookout, Ontario. The property consists of 32 contiguous unpatented mining claims, covering 3424 Ha. The claims on which work was completed include 1162704, 1162705, 1162727, 1166802, 1202140 and 1202141.

The 2001, nine (9) man-day program of prospecting and sampling was designed to (a) confirm that the alteration and shear structures north of Black Lake are conducive to hosting gold mineralization, (b) prospect the area to the north of Black Lake, searching for possible surface expressions that could be the source of several IP anomalies which were detected during an IP survey completed in October, 1999, and (c) visit some of the mafic intrusive outcrops east and northeast of Black Lake and re-examine some of the previously drilled cores for their PGE potential.

A total of 80 samples were analysed for Au, Pt, Pd and for 34 other elements. The results indicate that the area north of Black Lake has high potential for hosting economic gold and that the IP targets warrant diamond drilling. The PGE potential of the property is considered to be low.

Diamond drill testing of the IP targets located to the north of Black Lake is recommended.

2001 2002 2003

## TABLE OF CONTENTS

	Page
SUMMARY & RECOMMENDATIONS	i
1.0 INTRODUCTION	
1.1 Location, Access and Power	1
1.2 Physiography	1
1.3 Property and Ownership	1
1.4 Previous Work	4
2.0 GEOLOGY	4
3.0 ALTERATION	6
4.0 GOLD MINERALIZATION	6
5.0 DESCRIPTION OF THE 2001 WORK AND RESULTS	7
5.1 Results	8
6.0 CONCLUSIONS	12
7.0 RECOMMENDATIONS	12
8.0 REFERENCES	12
STATEMENT OF QUALIFICATIONS	14

## LIST OF FIGURES

Figure 1. Property location map of the Black Lake Project within Ontario	2
Figure 2. Regional geology map and location of property within the Sioux Lookout Area	3
Figure 3. Claim Map	5

## LIST OF MAPS

Map 1. Geology, Drill Holes and Trench Locations	in pocket
--	-----------

## LIST OF APPENDICES

Appendix A	Summary of Work
Appendix B	Certificate of Analyses



**BLACK LAKE PROJECT**  
**2001 PROGRAM OF BEDROCK AND DRILL CORE SAMPLING**

Sharron and Zarn Lake Area, Ontario

NTS 52J

## **1.0 INTRODUCTION**

### **1.1 Location, Access and Power**

The Black Lake property is situated in the Sharron and Zarn lakes Area, within the Patricia Mining District. The property lies in the Marchington Lake map sheet, N.T.S. 52 L/4 and is located 25 kilometres east-northeast of Sioux Lookout, Ontario (Figure 2).

During this program, access was gained via float plane from Sioux Lookout to Black Lake. Land access can be provided by a paved highway (642) and then a 20km skidder/ATV trail. Access can also be gained by the C.N.R. railway that passes along the northern part of the property, or by float plane to Botsford Lake, Black Lake or Clamshell Lake.

High voltage electrical power is available from Sioux Lookout.

### **1.2 Physiography**

The property displays low relief with local topographic highs related to bedrock ridges and eskers. The areas of topographic highs are covered by a thin (generally <3m) veneer of glaciofluvial and glaciolacustrine sands, gravels and ablation tills. Rock exposure is limited to approximately 5% of the property and decreases in abundance to the south.

Overburden cover in the lowlands and valleys ranges in thickness from 5m to more than 30m in the swampy area east of Black Lake. Vegetation in the lowlands is mostly alders and cedar. A mix of jackpine, spruce, birch, rock maple, poplar and balsam forests is dominant in the areas of topographic highs. Large areas of blow down, approximately 15 years old, are prevalent along some ridges and traversing in these is particularly unpleasant..

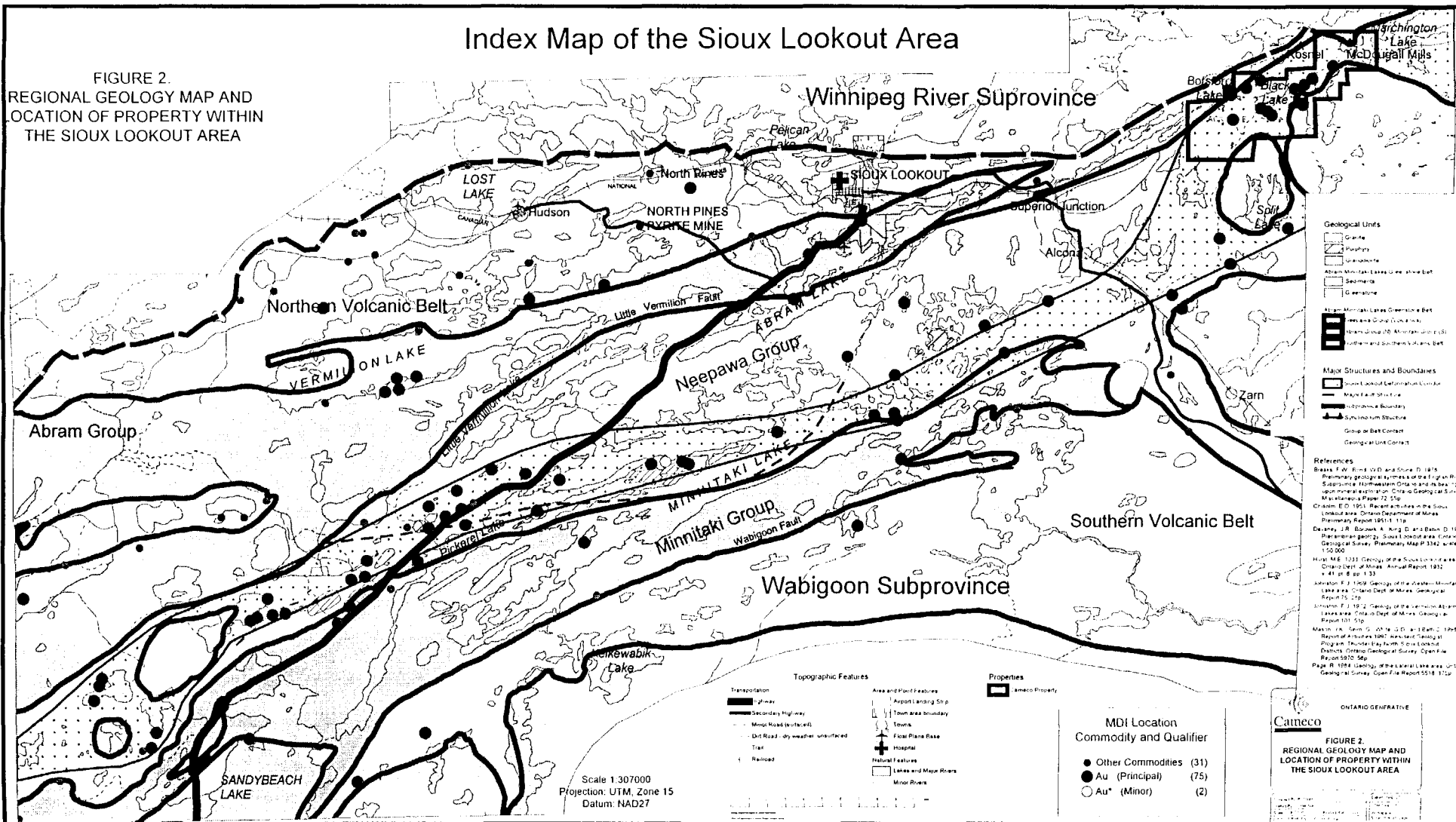
### **1.3 Property and Ownership**

The Black Lake property consists of 32 unpatented claims, totalling 3424 ha set within a contiguous claim block (Figure 3). The claims are 100% owned by Cameco Corporation



# Index Map of the Sioux Lookout Area

FIGURE 2.  
REGIONAL GEOLOGY MAP AND  
LOCATION OF PROPERTY WITHIN  
THE SIOUX LOOKOUT AREA



ONTARIO GENERATIVE  
**Caneco**  
FIGURE 2.  
REGIONAL GEOLOGY MAP AND  
LOCATION OF PROPERTY WITHIN  
THE SIOUX LOOKOUT AREA

and Cameco Gold Inc acts as agent and operator for this project. The claims upon which work was completed include 1162704, 1162705, 1162727, 1166802, 1202140 and 1202141.

#### **1.4 Previous Work**

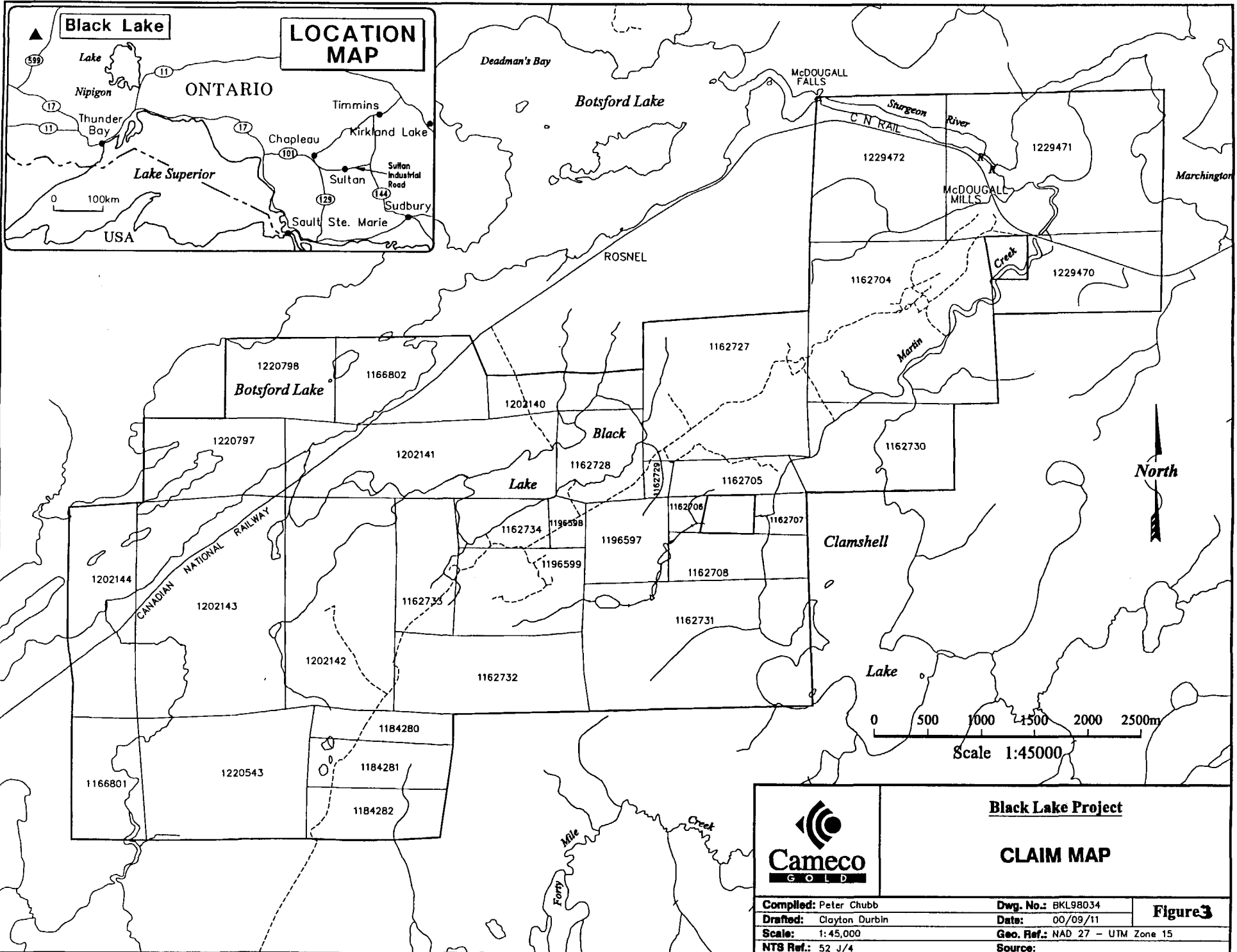
Prospecting for minerals in the Sioux Lookout area commenced in the 1880's and continued sporadically until the mid 1990's. Cameco Gold started exploration on this property in 1997 with a mechanical stripping and channel-sampling program and has continued work through to 1999. A detailed summary of previous work and a description of the work completed by Cameco is provided by Chubb et al., 1997, Chubb, 1998, Chubb, 1999a, and Chubb, 1999b.


## **2.0 GEOLOGY**

The Sioux Lookout area (Figure 2) lies along the northern margin of the Central portion of the Wabigoon subprovince in the Abrams-Minnitaki Lake greenstone belt. The Central portion of the Wabigoon Subprovince is dominated by a series of interconnected greenstone belts surrounded by younger massive and foliated elliptical granitic bodies forming large scale dome and basin structures. The Black Lake property is located at the northeastern end of the Central Volcanic belt (also known as the Neepawa Group). The Neepawa Group is a large, complex sequence of mainly volcanic rocks with local clastic sedimentary units. These rock types are intruded by gabbroic and younger granitic bodies. A more detailed description of the Sioux Lookout geology is available from Devaney (2000)

At Black Lake, mafic volcanics, including pillowed flows and associated fragmental rocks, dominate (Map 1). The mafic rocks are overlain by felsic volcanoclastic rocks and sedimentary units derived from the felsic volcanoclastic rocks. South of Black Lake, a unit of basaltic Komatiite was mapped. The supracrustal rocks are intruded by a multi-phase gabbro to leuco-gabbro and later intruded by granodiorite. Quartz-feldspar dikes and plugs intrude all of the above rock types. Detailed descriptions of the geology and the various lithologies were presented in previous reports by Chubb (1998).

The Minniss River Fault system bounds the northern part of the Black Lake property. Numerous north-northeast, northeast and east trending shears and faults are outlined based on the degree of schistosity, foliation and brecciation. The northeast shear features outline larger zones of deformation, including the Botsford Lake deformation zone along which the



 <b>Cameco</b> GOLD	<b>Black Lake Project</b>		<b>Figure 3</b>
	<b>CLAIM MAP</b>		
Compiled: Peter Chubb	Dwg. No.: BKL98034		
Drafted: Clayton Durbin	Date: 00/09/11		
Scale: 1:45,000	Geo. Ref.: NAD 27 - UTM Zone 15		
NTS Ref.: 52 J/4	Source:		



CNR has laid its tracks, the Pond deformation zone located at the southeast corner of the property and the Moretti deformation zone near the northeastern corner. These three deformation zones (shown in hatch pattern on Map1) are characterized by pure shear with a strong vertical extension component (Chubb, 1998).

### **3.0 ALTERATION**

The region has been subjected to greenschist facies with higher grade amphibolite facies metamorphism developed as contact aureoles along the margins of the Split Lake intrusion. The greenschist facies metamorphism has resulted in a regional pervasive chloritization of mafic minerals and minor calcite development, and sericitization and saussurization of felsic mineralogy. A largely pre-deformational alteration event was superimposed on the pre-existing regional metamorphism. This alteration event includes weak to strong pervasive and selective Fe-carbonate replacement within the basaltic komatiitic volcanoclastics, mafic volcanics and intrusives and to a lesser extent within the felsic volcanoclastics and pyroclastics, and quartz feldspar porphyry intrusives (Chubb, 1998).

The development of alteration minerals is greatly enhanced and accentuated within areas of deformation. The majority of the gold occurrences located on this property lie within the most altered and brittle deformed rocks and are coincident with the northeast trending deformation corridors that transect the property (Chubb, 1998). The Fe-carbonate event is postdated by the emplacement of quartz±carbonate veins that occur in most rock types but are best developed in the northeast trending deformation zones. These may also carry gold.

### **4.0 GOLD MINERALIZATION**

Two exploration models are invoked on the Black Lake property: (1) high grade gold bearing quartz and quartz-carbonated veins associated with large, heterogeneous shear systems like those hosting the Red Lake Camp deposits, and (2) gold associated with highly altered and deformed felsic porphyry intrusions to the north of Black Lake.

To date, only the Moretti deformation corridor, located along the northeastern side of the property was tested by trenching and diamond drilling. Locally, the deformation zone changes character as it passes through the property and in areas displays intense carbonate,

sericite and chlorite alteration. There are several high grade gold showings spatially associated with the deformation zone. The gold occurs in visible form within fractures associated with the margins of quartz veins as well as within carbonate-quartz breccia veins.

In the spring of 1998 diamond drilling by Cameco intersected several anomalous gold intercepts in the area of the Belekeno showing (Map 1), including 9.9 g/t Au over 1.0 metres from narrow quartz-chlorite-tourmaline veins carrying visible gold (Chubb, 1998). The small veins are variably oriented but contained within a 150 m wide altered deformation zone.

The McDermott Occurrence, which lies within the Moretti corridor near the northeast end of the property, has been traced with several trenches for 350 metres on strike. Results from channel samples returned up to of 155 g/t Au over 0.6 metres. The significant gold values are from quartz-carbonate-chlorite-tourmaline vein-breccia, and quartz vein stockwork zones. Values up to 190 g/t Au over 0.24 metres were obtained in hole BKL99-14 from within a brecciated quartz-carbonate vein that is over 4.0m wide. Several of the other 1999 drill holes also returned significant gold values (Chubb, 1999a).

Grab samples obtained from a felsic porphyry in the northwest end of the property (north of Black Lake) returned up to 3.0 g/t Au. The gold is from samples containing pyrite-chalcopyrite mineralization in a carbonate altered quartz-feldspar porphyry. Other samples collected during prospecting in 1998 returned gold values in the +100 ppb Au range (Chubb, 1998). Many of these are associated with only weakly foliated and sulphidized rocks.

More detailed descriptions of the gold showings and styles of mineralization are presented by Chubb (1998 and 1999a).

## **5.0 DESCRIPTION OF THE 2001 WORK AND RESULTS**

Mike Koziol and Dominic Babin visited the property on May 17 to May 20, 2001. The purpose of this visit was to (a) confirm that the alteration and shear structures north of Black Lake are conducive to hosting gold mineralization, (b) prospect the area to the north of Black Lake, searching for possible surface expressions that could be the source of several IP anomalies which were detected during an IP survey completed in October, 1999 (Berube, 1999), and (c) visit some of the mafic intrusive outcrops east and northeast of Black Lake

and re-examine some of the previously drilled cores for their PGE potential. Mike Koziol re-visited the property on July 12 to further prospect the area near the CNR tracks.

## 5.1 Results.

Twenty seven (27) outcrop samples and 46 samples of drill core pieces from the May visit were analysed for Au, Pt, Pd and 34 element ICP package. Whole Rock analyses using XRAY Fluorescence were carried out on four (4) of the samples. Another seven (7) samples that were collected in July were also analysed for Au, Pt, Pd and 34 elements by ICP methods. All of the analyses were completed by Chimitec/Bondar Clegg at Val d'Or, Quebec and their assay certificates are included in Appendix B.

**5.1.(a)** The alteration, particularly iron carbonate, is pervasive to the north of Black Lake. The area is traversed by numerous northeast trending shear sets, some of which are intensely carbonate altered and others have disseminated sulphides associated with the shearing. This area definitely warrants further exploration.

**5.1.(b)** Two (DP-5 and DP-6) of the four stronger IP chargeability anomalies were identified in outcrop (Map 1). Both are due to disseminated pyrite within strongly carbonate altered quartz-feldspar porphyry dykes. Narrow quartz-stockwork veins are associated with the dykes and anomalous gold from hundreds of ppb (Map 1 and table below) to > 1 g/t (Three Witches Trench, Chubb, 1998) were obtained from the carbonate altered, sulphide bearing segments of the dykes. The IP anomalies trend northeast, parallel to the major shear sets and each of the anomalies has a strike length of at least 800m. These are very attractive drill targets.

Assay results from the 2001 samples on the gold targets are tabulated below

Sample #	Au(ppb)	Pt(ppb)	Pd(ppb)	Comments
Bkl01-002	1	<5	<1	mafic flow, carb altered
Bkl01-003	96	<5	<1	carb altered QFP, minor pyrite
Bkl01-004	4	<5	<1	mafic volcanic
Bkl01-005	946	<5	<1	quartz-carb vein in mafics near QFP contact
Bkl01-102	<1	<5	<1	mafic (andesite?) flow
Bkl01-104	763	<5	<1	carb altered QFP 10m north of Bkl01-005, IP anomaly DP-5
Bkl01-120	536	<5	<1	QFP with quartz veinlets and

Bkl01-121	262	<5	<1	2% py. q. vein in QFP, 1% py
Bkl01-122	886	<5	<1	carb altered QFP with 2% py
Bkl01-123	1	<5	<1	east striking shear zone in mafic flow
Bkl01-124	20	<5	<1	QFP, minor py
Bkl01-125	<1	<5	<1	unaltered QFP
Bkl01-126	1	<5	<1	mafic flow

**5.1.(c)** The third objective was achieved, but the results are less encouraging. The mafic intrusive rocks at the northeast end of Black Lake display good heterogeneity and there is evidence of magma mixing in outcrop and in drill cores. However, sulphide mineralization is not abundant and is mainly of crystalline (secondary) pyrite. The results, which are tabulated below do not encourage one to search for PGE mineralization on this property.

Sample #	Type	Au(ppb)	Pt(ppb)	Pd(ppb)	Comments
Bkl01-001	grab	2	<5	<1	gabbro, trace py.
Bkl01-006	grab	3	<5	<1	xenomorphic gabbro
Bkl01-007	grab	4	<5	<1	vari-textured gabbro, trace py.
Bkl01-008	grab	4	<5	2	gabbro, trace py.
Bkl01-009	grab	3	<5	<1	gabbro, trace py.
Bkl01-010	grab	11	<5	<1	quartz diorite in gabbro, trace py.
Bkl01-011	grab	121	<5	<1	quartz diorite in gabbro, minor py.
Bkl01-012	grab	206	<5	<1	brecciated qdiorite in gabbro, 5% py.
Bkl01-013	grab	73	8	13	gabbro, trace py.
Bkl01-014	grab	20	<5	<1	massive py.
Bkl01-015	grab	132	<5	<1	massive pyrite
Bkl01-016	grab	37	<5	<1	brecciated gabbro, minor py.
Bkl01-017	grab	3	<5	<1	leucogabbro
Bkl01-101	grab	1	<5	<1	gabbro, trace py.
Bkl01-105	grab	8	<5	<1	leucogabbro

Bkl01-106	grab	1	6	1	mafic gabbro
Bkl01-107	grab	2	<5	2	coarse gabbro
Bkl01-108	grab	4	<5	<1	magma-mixing zone
Bkl01-109	grab	134	9	7	foliated gabbro, 1% py.
Bkl01-110	grab	3	<5	<1	gabbro, trace py.
Bkl9804-127	core	3	<5	<1	granodiorite, boring
Bkl9805-38	core	12	<5	<1	gabbro, 1% fine diss py.
Bkl9805-61	core	373	<5	<1	granodiorite, up to 5% py.
Bkl9805-75	core	60	<5	6	granodiorite, 3% coarse py.
Bkl9805-78	core	23	6	4	gabbro, 1% fine py.
Bkl9805-139	core	1	<5	<1	massive diorite
Bkl9806-45	core	10	<5	<1	diorite, tr blebby py.
Bkl9806-120	core	1	<5	1	massive diorite
Bkl9806-98.6	core	19	<5	<1	leucogabbro, tr. py.
Bkl9806-116.3	core	10	<5	<1	gabbro, trace py.
Bkl9806-127.5	core	7	<5	<1	gabbro, trace py.
Bkl9914-27	core	2	<5	1	medium grain gabbro
Bkl9915-46	core	<1	<5	2	medium grain gabbro
Bkl9915-71	core	1	<5	2	gabbro, trace py.
Bkl9915-72	core	5	<5	7	gabbro, trace py.
Bkl9915-120	core	13	<5	2	leucogabbro, trace py.
Bkl9915-121	core	11	<5	<1	leucogabbro, trace py.
Bkl9915-181	core	34	27	22	coarse grained leucogabbro
Bkl9915-182	core	46	17	26	coarse grained leucogabbro
Bkl9915-191	core	<1	<5	3	chlorite altered gabbro
Bkl9915-203	core	1	<5	2	chlorite altered gabbro
Bkl9918-11	core	2	<5	<1	medium grain gabbro
Bkl9918-76	core	<1	<5	<1	gabbro, 1% py.
Bkl9918-80	core	2	<5	<1	weak altered gabbro

Bkl9918-81	core	1	<5	<1	weak altered gabbro
Bkl9918-88	core	2	<5	<1	weak altered gabbro
Bkl9918-89	core	5	<5	<1	gabbro, trace py.
Bkl9918-93	core	3	<5	<1	weak altered gabbro
Bkl9918-100	core	<1	<5	<1	gabbro, 1% py.
Bkl9918-104	core	1	<5	1	gabbro, 1% py.
Bkl9918-106	core	3	<5	1	gabbro, 1% py.
Bkl9918-118	core	16	<5	1	weak altered gabbro, 1% py.
Bkl9918-119	core	4	<5	<1	weak altered gabbro, 1% py.
Bkl9918-120	core	4	<5	1	weak altered gabbro, 1% py.
Bkl9918-121	core	23	<5	1	weak altered gabbro, 1% py.
Bkl9918-122	core	4	<5	<1	weak altered gabbro, 1% py.
Bkl9918-123	core	16	<5	<1	weak altered gabbro, 1% py.
Bkl9918-124	core	1	<5	<1	weak altered gabbro, 1% py.
Bkl9918-125	core	2	<5	<1	weak altered gabbro, 1% py.
Bkl9918-126	core	1	<5	<1	weak altered gabbro, 1% py.
Bkl9918-127	core	2	<5	<1	weak altered gabbro, 1% py.
Bkl9918-128	core	1	<5	<1	weak altered gabbro, 1% py.
Bkl9918-129	core	2	<5	<1	weak altered gabbro, 1% py.
Bkl9919-95	core	<1	<5	<1	altered gabbro breccia
Bkl9919-112	core	2	<5	<1	altered gabbro
Bkl9919-113	core	3	<5	<1	altered gabbro

Sampling methods for the drill cores involved the collection of two to three pieces of whole

core, each of 5cm to 10cm in length. The pieces of core were taken over a 1.0m interval and the sample number represents the start of the specific 1.0m interval. For example, Bk19918-124 represents a one metre sample from drill hole 9918, which starts at 124.0m down the hole. The locations of the sampled holes are bolded on Map 1. More detailed descriptions of the sampled holes are provided in Chubb, 1998 and 1999a.

## **6.0 CONCLUSIONS**

The 2001 program of prospecting and sampling to the north of Black Lake has identified two (DP-5 and DP-6) of the four targeted IP anomalies. They are related to carbonate altered, sulphide mineralized (and locally gold anomalous) quartz-feldspar porphyry dykes. These constitute attractive targets.

The sampling of the mafic intrusive rocks in outcrop (map Unit 8, Map 1) and previously drilled cores did not return significant enrichment in platinum or palladium. PGE exploration in these rocks is not encouraged.

## **7.0 RECOMMENDATIONS**

Based on the success in identifying the source of two of the IP anomalies and their association to gold, diamond drilling is recommended to test IP anomalies DP-5, DP-6, DP-7 and DP-8 north of Black Lake. The IP anomalies located to the southwest of Black Lake should be prospected and also diamond drilled.

## **8.0 REFERENCES**

**Berube, D.**, 1999. A Report on an Induced Polarization Survey Carried Out on the Black Lake Project, Kenora District, Ontario, Submitted to Cameco Gold Inc., 99-N425.

**Chubb, P. and Leskiw, P.** 1997. Cameco Corporation, 1997 Trenching Report, Black Lake Property, Ontario. Sharron Lake and Zarn Lake Area.

**Chubb, P.** 1998. Cameco Corporation, 1998 Exploration Program Report, Black Lake

Property, Ontario. Sharron Lake and Zarn Lake Area.

**Chubb, P.**, 1999a. Cameco Corporation, 1999 Diamond Drilling Report, Black lake Property, Ontario, Sharron and Zarn Lake Area, N.T.S. 52J/4.

**Chubb, P.**, 1999b. Cameco Corporation, 1999 Exploration Program Report, Black lake Property, Ontario, Sharron and Zarn Lake Area, N.T.S. 52J/4.

**Devaney, J.R.**, 2000. Regional Geology of the Sioux Lookout Orogenic Belt, Western Wabigoon Subprovince: Stages of Archean Volcanism, Sedimentation, Tectonism and Mineralization; Ontario Geological Survey, Open file Report 6017, 158 pages.



## STATEMENT OF QUALIFICATIONS

I, Marian (Mike) Koziol, of 137 Cranbrook Crescent, Sudbury, Ontario, P3E 2N4, do hereby certify that:

I am currently employed by Cameco Corporation, located at 1349 Kelly Lake Road, Unit #6, Sudbury, Ontario, P3E 5P5

I graduated from McGill University in 1978 with a Bachelor of Science degree in Geological Sciences and I have been practising my profession continuously since graduation.

I am a member in good standing of the Professional Engineers of Ontario and the Association of Professional Engineers and Geoscientists of Saskatchewan.

I am directly responsible for the work outlined in this report and was present on the property when the work was being carried out.

Signed at Sudbury, Ontario, this 19th day of July, 2001.



**M. Koziol**

District Geologist  
Eastern Canada District.

**Appendix A**  
**Summary of Work**

<b>Activity</b>	<b>Timing</b>	<b>Description</b>
Prospecting and Sampling	May 17 to May 20, 2001 (77 samples analysed)	M. Koziol (4 days) D. Babin (4 days)
Prospecting and Sampling	July 12, 2001 (7 samples analysed)	M. Koziol (1 day)

## **Appendix B**

### **Certificate of Analyses**



Val d'Or, PQ, Canada

" U R G E N T & C O N F I D E N T I A L "

To: CAMECO GOLD INC.  
 Attention : MR. MIKE KOZIOL  
 Reference : 177451  
 Submitter : M.KOZIOL

Our Fax No: (819) 825-0256  
 Your Fax No: 1-705-523-4571  
 Number of Pages : 5 including this page.

Report : T01-57166.0      Status : COMPLETE      Total number of samples: 7

Element Method	Totl	Element Method	Totl	Element Method	Totl
Au FIRE ASSAY-DCP	7	Pt FIRE ASSAY-DCP	7	Pd FIRE ASSAY-DCP	7
Ag INDUC. COUP. PLASMA	7	Cu INDUC. COUP. PLASMA	7	Pb INDUC. COUP. PLASMA	7
Zn INDUC. COUP. PLASMA	7	Mo INDUC. COUP. PLASMA	7	Ni INDUC. COUP. PLASMA	7
Co INDUC. COUP. PLASMA	7	Cd INDUC. COUP. PLASMA	7	Bi INDUC. COUP. PLASMA	7
As INDUC. COUP. PLASMA	7	Sb INDUC. COUP. PLASMA	7	Fe INDUC. COUP. PLASMA	7
Mn INDUC. COUP. PLASMA	7	Te INDUC. COUP. PLASMA	7	Ba INDUC. COUP. PLASMA	7
Cr INDUC. COUP. PLASMA	7	V INDUC. COUP. PLASMA	7	Sn INDUC. COUP. PLASMA	7
W INDUC. COUP. PLASMA	7	La INDUC. COUP. PLASMA	7	Al INDUC. COUP. PLASMA	7
Mg INDUC. COUP. PLASMA	7	Ca INDUC. COUP. PLASMA	7	Na INDUC. COUP. PLASMA	7
K INDUC. COUP. PLASMA	7	Sr INDUC. COUP. PLASMA	7	Y INDUC. COUP. PLASMA	7
Ga INDUC. COUP. PLASMA	7	Li INDUC. COUP. PLASMA	7	Nb INDUC. COUP. PLASMA	7
Sc INDUC. COUP. PLASMA	7	Ta INDUC. COUP. PLASMA	7	Ti INDUC. COUP. PLASMA	7
Zr INDUC. COUP. PLASMA	7	S INDUC. COUP. PLASMA	7		

Sample Preparations	Totl	Sample Type	Totl	Size Fraction	Totl	Remarks
CRUSH, SPLIT	7	ROCK	7	-150	7	
PULVERIZATION	7					

Notes:



**BONDAR CLEGG**

CLIENT: CAMECO GOLD INC.  
 REPORT: T01-57166.0 ( COMPLETE )

PROJECT: BLACK LAKE  
 DATE RECEIVED: 16-JUL-01  
 DATE PRINTED: 23-JUL-01

PAGE 1A ( 1/ 4 )

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Pt PPB	Pd PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM
BKL 01-120		536	<5	<1	0.4	33	7	38	1	4	10	0.3	<5
BKL 01-121		262	<5	<1	0.2	12	5	29	2	6	8	<0.2	<5
BKL 01-122		886	<5	<1	0.7	13	7	31	2	6	10	0.3	<5
BKL 01-123		1	<5	<1	<0.2	4	4	52	<1	120	20	0.3	<5
BKL 01-124		20	<5	<1	<0.2	8	3	20	1	4	<1	<0.2	<5
BKL 01-125		<1	<5	<1	<0.2	3	3	16	4	3	<1	<0.2	<5
BKL 01-126		1	<5	<1	<0.2	44	5	90	<1	50	25	0.3	<5



**BONDAR CLEGG**

CLIENT: CAMERO GOLD INC.  
 REPORT: T01-57166.0 ( COMPLETE )

DATE RECEIVED: 16-JUL-01

PROJECT: BLACK LAKE

DATE PRINTED: 23-JUL-01

PAGE 1B( 2/ 4

SAMPLE NUMBER	ELEMENT UNITS	As PPM	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
BKL 01-120		17	<5	3.98	715	<10	30	143	7	<20	<20	5	0.29
BKL 01-121		14	<5	3.35	697	<10	8	226	6	<20	<20	3	0.20
BKL 01-122		19	<5	4.18	729	<10	13	122	8	<20	<20	4	0.34
BKL 01-123		<5	<5	5.02	1556	<10	22	222	44	<20	<20	11	1.55
BKL 01-124		<5	<5	1.10	209	<10	42	160	2	<20	<20	29	0.33
BKL 01-125		<5	<5	1.18	240	<10	40	148	3	<20	<20	39	0.53
BKL 01-126		<5	<5	7.02	865	<10	19	139	124	<20	<20	7	3.50



CLIENT: CAMECO GOLD INC.  
 REPORT: T01-57166.0 ( COMPLETE )

DATE RECEIVED: 16-JUL-01

PROJECT: BLACK LAKE

DATE PRINTED: 23-JUL-01

PAGE 1C( 3/ 4)

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT
BKL 01-120		0.33	1.52	0.13	0.04	43	3	3	<1	<1	<5	<10	<0.010
BKL 01-121		0.66	2.40	0.10	0.02	57	3	<2	<1	<1	<5	<10	<0.010
BKL 01-122		0.70	2.44	0.12	0.05	66	4	3	<1	<1	<5	<10	<0.010
BKL 01-123		2.21	4.73	0.15	0.07	110	3	6	9	<1	<5	<10	<0.010
BKL 01-124		0.09	0.53	0.12	0.11	18	6	2	<1	<1	<5	<10	<0.010
BKL 01-125		0.12	0.79	0.07	0.27	12	6	3	<1	<1	<5	<10	<0.010
BKL 01-126		3.80	3.30	0.06	0.05	76	2	14	27	5	8	<10	0.011



**BONDAR CLEGG**

CLIENT: CAMECO GOLD INC.  
 REPORT: T01-57166.0 ( COMPLETE )

DATE RECEIVED: 16-JUL-01

PROJECT: BLACK LAKE

DATE PRINTED: 23-JUL-01

PAGE 1D( 4/ 4

SAMPLE NUMBER	ELEMENT UNITS	Zr PPM	S PCT
BKL 01-120		13	2.14
BKL 01-121		17	1.58
BKL 01-122		10	2.61
BKL 01-123		10	0.04
BKL 01-124		46	0.32
BKL 01-125		29	<0.01
BKL 01-126		10	0.03





CHIMITEC  
BONDAR CLEGG



# Rapport Lab Geochimie Geochemical Lab Report

CAMECO GOLD INC.  
MIKE KOZIOL  
#6-1349 KELLY LAKE ROAD  
SUDBURY, ONTARIO  
P3E 5P5

+

+

+

+



REPORT: T01-57116.0 ( COMPLETE )

REFERENCE:

CLIENT: CAMECO GOLD INC.  
PROJECT: BLACK LAKE

SUBMITTED BY: M. KOZIOL  
DATE RECEIVED: 23-MAY-01 DATE PRINTED: 1-JUL-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD													
010530	1 Au	Gold - Fire Assay	27	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP	010530	37 Zr	Zr - IC01	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA											
010530	2 Pt	Platinum	27	5 PPB	FIRE ASSAY	FIRE ASSAY-DCP	010530	38 S	S - IC01	27	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA											
010530	3 Pd	Palladium	27	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP	<table border="1"> <thead> <tr> <th>SAMPLE TYPES</th> <th>NUMBER</th> <th>SIZE FRACTIONS</th> <th>NUMBER</th> <th>SAMPLE PREPARATIONS</th> <th>NUMBER</th> </tr> </thead> <tbody> <tr> <td>ROCK</td> <td>27</td> <td>-150</td> <td>27</td> <td>CRUSH, SPLIT PULVERIZATION</td> <td>27</td> </tr> </tbody> </table>						SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER	ROCK	27	-150	27	CRUSH, SPLIT PULVERIZATION	27
SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER																			
ROCK	27	-150	27	CRUSH, SPLIT PULVERIZATION	27																			
010530	4 Ag	Ag - IC01	27	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA	<p>REPORT COPIES TO: MIKE KOZIOL</p> <p>INVOICE TO: MIKE KOZIOL</p> <p>***** This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated *****</p>																	
010530	5 Cu	Cu - IC01	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	6 Pb	Pb - IC01	27	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	7 Zn	Zn - IC01	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	8 Mo	Mo - IC01	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	9 Ni	Ni - IC01	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	10 Co	Co - IC01	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	11 Cd	Cd - IC01	27	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	12 Bi	Bi - IC01	27	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	13 As	As - IC01	27	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	14 Sb	Sb - IC01	27	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	15 Fe	Fe - IC01	27	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	16 Mn	Mn - IC01	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	17 Te	Te - IC01	27	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	18 Ba	Ba - IC01	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	19 Cr	Cr - IC01	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	20 V	V - IC01	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	21 Sn	Sn - IC01	27	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	22 W	W - IC01	27	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	23 La	La - IC01	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	24 Al	Al - IC01	27	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	25 Mg	Mg - IC01	27	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	26 Ca	Ca - IC01	27	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	27 Na	Na - IC01	27	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	28 K	K - IC01	27	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	29 Sr	Sr - IC01	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	30 Y	Y - IC01	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	31 Ga	Ga - IC01	27	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	32 Li	Li - IC01	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	33 Nb	Nb - IC01	27	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	34 Sc	Sc - IC01	27	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	35 Ta	Ta - IC01	27	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010530	36 Ti	Ti - IC01	27	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		

*MS*



CLIENT: COMECO GOLD INC.  
REPORT: T01-57116.0 ( COMPLETE )

DATE RECEIVED: 23-MAY-01 DATE PRINTED: 1-JUI-01 PAGE 1 OF 1

SAMPLE NUMBER	ELEMENT UNITS	Au	Pt	Pd	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
		PPB	PPB	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT
BKL 01-001		2	<5	<1	<.2	146	2	53	1	50	39	0.2	<5	13	<5	4.77	696	<10	35	112	97	<20	<20	1	2.82	2.22	1.08	0.04	0.01	25	5	<2	8	6	<5	<10	.355	<1	0.11
BKL 01-002		1	<5	<1	<.2	6	2	55	<1	66	14	0.2	<5	<5	<5	3.06	890	<10	44	100	26	<20	<20	9	2.10	1.03	3.44	0.09	0.15	45	3	8	6	<1	<5	<10	<.01	9	0.01
BKL 01-003		96	<5	<1	<.2	12	4	43	1	5	1	0.3	<5	36	<5	1.38	155	<10	23	210	7	<20	<20	19	0.25	<.01	0.36	0.11	0.04	7	4	2	<1	<1	<5	<10	<.01	39	0.66
BKL 01-004		4	<5	<1	0.5	115	7	80	<1	44	41	0.5	<5	29	<5	>10.00	1581	<10	33	82	139	<20	<20	4	3.32	2.52	4.84	0.04	0.10	70	3	23	21	7	<5	<10	.031	3	0.04
BKL 01-005		964	<5	<1	4.5	13	25	15	12	17	4	<.2	<5	13	<5	1.72	148	<10	5	273	9	<20	<20	<1	0.03	0.07	0.47	0.02	<.01	6	<1	<2	<1	<1	<5	<10	<.01	2	0.79
BKL 01-006		3	<5	<1	<.2	106	<2	75	<1	59	44	0.3	<5	<5	<5	7.21	1011	<10	15	100	127	<20	<20	2	3.64	2.64	1.03	0.04	<.01	15	7	<2	4	7	<5	<10	.481	<1	0.04
BKL 01-007		4	<5	<1	<.2	19	6	106	<1	68	51	0.4	<5	7	<5	>10.00	699	<10	25	110	184	<20	<20	3	6.02	4.59	0.55	0.03	0.05	10	1	27	30	10	10	<10	.015	2	0.48
BKL 01-008		4	<5	2	<.2	19	3	42	<1	429	56	0.3	<5	18	<5	5.76	416	<10	17	1088	47	<20	<20	<1	2.95	4.77	0.31	0.03	<.01	6	1	7	3	<1	<5	<10	.073	<1	0.24
BKL 01-009		3	<5	<1	<.2	60	7	78	<1	57	50	0.5	<5	<5	<5	9.51	670	<10	26	73	378	<20	<20	4	4.96	4.14	1.64	0.05	0.03	50	3	27	23	30	18	<10	.023	<1	0.15
BKL 01-010		11	<5	<1	<.2	9	2	28	2	7	9	<.2	<5	5	<5	2.44	501	<10	49	100	9	<20	<20	18	0.76	0.23	1.25	0.07	0.15	24	4	5	2	<1	<5	<10	<.01	10	0.27
BKL 01-011		121	<5	<1	<.2	7	3	15	<1	18	8	<.2	<5	19	<5	2.19	177	<10	31	181	12	<20	<20	6	1.07	0.44	0.50	0.08	0.12	19	2	6	5	<1	<5	<10	<.01	6	0.31
BKL 01-012		206	<5	<1	<.2	47	7	11	2	35	15	<.2	<5	40	<5	2.17	219	<10	29	186	7	<20	<20	10	0.51	0.21	0.43	0.10	0.12	20	3	3	1	<1	<5	<10	<.01	9	1.38
BKL 01-013		73	8	13	1.5	701	8	68	<1	1695	33	0.5	<5	52	<5	9.60	574	<10	10	284	83	<20	<20	1	4.33	5.39	0.09	0.02	0.02	4	<1	12	12	<1	<5	<10	.174	2	1.00
BKL 01-014		20	<5	<1	0.6	477	13	48	<1	223	53	0.8	<5	34	<5	>10.00	814	12	9	153	82	<20	<20	1	1.07	0.66	0.02	<.01	<.01	1	1	17	<1	<1	<5	<10	.018	3	>10.00
BKL 01-015		132	<5	<1	0.7	60	16	41	<1	153	157	0.7	<5	271	<5	>10.00	544	16	9	220	50	<20	<20	1	0.96	0.49	0.02	<.01	<.01	1	1	20	<1	<1	<5	<10	.023	2	>10.00
BKL 01-016		37	<5	<1	1.3	898	10	72	1	352	145	0.5	<5	125	<5	>10.00	993	<10	15	140	59	<20	<20	4	3.28	2.55	0.40	0.05	0.01	39	4	10	16	<1	<5	<10	.241	6	3.39
BKL 01-017		3	<5	<1	<.2	135	3	53	<1	154	26	0.3	<5	<5	<5	4.05	505	<10	11	200	51	<20	<20	7	2.68	2.03	1.26	0.05	0.02	72	3	3	7	2	<5	<10	.164	2	0.20
BKL 01-101		1	<5	<1	<.2	167	4	64	2	45	46	0.9	<5	18	<5	7.66	957	<10	15	123	164	<20	<20	2	3.76	2.99	1.85	0.03	<.01	44	9	<2	8	10	5	<10	.425	<1	0.24
BKL 01-102		<1	<5	<1	<.2	57	3	66	1	114	28	0.4	<5	<5	<5	4.07	929	<10	26	129	43	<20	<20	10	3.13	2.00	5.13	0.10	0.10	59	3	12	12	<1	<5	<10	<.01	9	0.03
BKL 01-103		5	<5	<1	<.2	259	8	140	9	19	42	0.5	<5	43	<5	>10.00	1585	<10	22	51	148	<20	<20	1	2.93	2.05	4.48	0.04	0.09	76	3	20	11	8	11	<10	<.01	<1	2.14
BKL 01-104		763	<5	<1	0.3	13	10	829	2	5	1	2.9	<5	9	<5	1.23	214	<10	35	197	7	<20	<20	17	0.31	0.04	0.59	0.09	0.10	13	5	2	<1	<1	<5	<10	<.01	53	0.65
BKL 01-105		8	<5	<1	<.2	2	<2	49	<1	156	23	0.3	<5	<5	<5	3.53	589	<10	32	200	45	<20	<20	4	3.02	3.23	1.18	0.11	0.09	29	5	7	15	<1	<5	<10	.154	2	<.01
BKL 01-106		1	6	1	<.2	5	5	87	<1	567	56	0.4	<5	<5	<5	6.67	1090	<10	26	1499	48	<20	<20	<1	5.05	7.21	1.65	<.01	<.01	56	2	9	9	<1	<5	<10	.105	<1	0.01
BKL 01-107		2	<5	2	<.2	195	5	85	<1	592	52	0.5	<5	<5	<5	8.72	1194	<10	13	1592	136	<20	<20	4	5.49	7.43	2.25	<.01	<.01	89	3	16	16	6	5	<10	.152	<1	0.02
BKL 01-108		4	<5	<1	<.2	82	7	108	<1	117	76	0.6	<5	<5	<5	>10.00	1158	<10	15	92	270	<20	<20	5	6.15	4.79	4.97	0.02	<.01	133	4	30	27	17	19	<10	.017	<1	1.02
BKL 01-109		134	9	7	1.4	759	11	77	<1	1917	51	0.5	<5	71	<5	8.72	691	<10	15	399	60	<20	<20	<1	5.17	7.37	0.15	0.01	0.03	6	<1	12	16	<1	<5	<10	.132	<1	0.33
BKL 01-110		3	<5	<1	<.2	87	5	80	<1	612	66	0.3	<5	<5	<5	6.65	763	<10	7	257	41	<20	<20	1	4.55	6.26	0.40	0.01	<.01	15	1	11	11	<1	<5	<10	.074	1	0.15

ms



**CHIMITEC  
BONDAR CLEGG**



# Rapport Lab Géochimie Geochemical Lab Report

+

+

+

+

CAMECO GOLD INC.  
MIKE KOZIOL  
#6-1349 KELLY LAKE ROAD  
SUDBURY, ONTARIO  
P3E 5P5



REPORT: T01-57115.0 ( COMPLETE )

REFERENCE:

CLIENT: CAMECO GOLD INC.  
PROJECT: BLACK LAKE

SUBMITTED BY: M. KOZIOL  
DATE RECEIVED: 23-MAY-01 DATE PRINTED: 1-JUL-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD												
010531	1 Au	46	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP	010531	37 Zr	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASM												
010531	2 Pt	46	5 PPB	FIRE ASSAY	FIRE ASSAY-DCP	010531	38 S	46	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASM												
010531	3 Pd	46	1 PPB	FIRE ASSAY	FIRE ASSAY-DCP	<table border="1"> <thead> <tr> <th>SAMPLE TYPES</th> <th>NUMBER</th> <th>SIZE FRACTIONS</th> <th>NUMBER</th> <th>SAMPLE PREPARATIONS</th> <th>NUMBER</th> </tr> </thead> <tbody> <tr> <td>DRILL CORE</td> <td>46</td> <td>-150</td> <td>46</td> <td>CRUSH, SPLIT PULVERIZATION</td> <td>46</td> </tr> </tbody> </table>						SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER	DRILL CORE	46	-150	46	CRUSH, SPLIT PULVERIZATION	46
SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER																		
DRILL CORE	46	-150	46	CRUSH, SPLIT PULVERIZATION	46																		
010531	4 Ag	46	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	5 Cu	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	6 Pb	46	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	7 Zn	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA	<p>REPORT COPIES TO: MIKE KOZIOL</p> <p>INVOICE TO: MIKE KOZIOL</p> <p>***** This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated. *****</p>																	
010531	8 Mo	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	9 Ni	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	10 Co	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	11 Cd	46	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	12 Bi	46	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	13 As	46	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	14 Sb	46	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	15 Fe	46	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	16 Mn	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	17 Te	46	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	18 Ba	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	19 Cr	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	20 V	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	21 Sn	46	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	22 W	46	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	23 La	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	24 Al	46	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	25 Mg	46	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	26 Ca	46	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	27 Na	46	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	28 K	46	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	29 Sr	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	30 Y	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	31 Ga	46	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	32 Li	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	33 Nb	46	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	34 Sc	46	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	35 Ta	46	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		
010531	36 Ti	46	0.010 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA																		



CLIENT: COMEKO GOLD INC.  
REPORT: T01-57115.0 ( COMPLETE )

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 1-JUL-01

PAGE 1 OF 2

PROJECT: BLACK LAKE

SAMPLE NUMBER	ELEMENT UNITS	Au	Pt	Pd	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
		PPB	PPB	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT	
BKL 9804-127		3	<5	<1	<0.2	34	3	18	3	16	5	<2	<5	9	<5	1.43	301	<10	30	172	3	<20	<20	18	0.68	0.26	1.54	0.07	0.11	40	4	4	2	<1	<5	<10	<.01	6	0.25
BKL 9805-38		12	<5	<1	0.8	704	6	114	3	572	54	0.7	<5	<5	<5	6.89	1269	<10	34	211	54	<20	<20	3	3.64	4.57	5.00	0.07	0.11	72	2	12	20	<1	5	<10	<.01	<1	0.48
BKL 9805-61		373	<5	<1	<0.2	102	6	57	3	12	7	0.4	<5	12	<5	4.33	980	<10	29	137	4	<20	<20	17	0.99	0.33	2.28	0.06	0.08	46	3	7	4	<1	<5	<10	<.01	6	0.88
BKL 9805-75		60	<5	6	2.3	918	50	177	3	5307	119	1.8	<5	83	<5	>10.00	967	<10	14	268	68	<20	<20	9	4.06	3.33	2.86	0.04	0.04	51	3	21	19	<1	6	<10	<.01	2	3.73
BKL 9805-78		23	6	4	1.3	1298	17	130	3	2151	133	0.8	<5	15	<5	8.75	1136	<10	16	254	37	<20	<20	4	3.79	4.02	3.97	0.07	0.06	68	2	13	21	<1	<5	<10	<.01	<1	1.99
BKL 9805-139		1	<5	<1	<0.2	119	5	67	<1	147	29	0.3	<5	<5	<5	2.93	575	<10	10	100	31	<20	<20	3	3.87	3.42	2.57	0.04	0.03	76	2	6	14	<1	<5	<10	.071	<1	0.04
BKL 9806-45		10	<5	<1	<0.2	116	<2	70	2	53	40	0.4	<5	<5	<5	6.03	925	<10	6	78	103	<20	<20	11	3.96	3.32	4.41	0.03	0.01	112	7	5	18	6	<5	<10	.250	<1	0.45
BKL 9806-120		1	<5	1	<0.2	69	2	66	2	140	36	0.4	<5	<5	<5	5.21	756	<10	3	243	74	<20	<20	2	3.87	3.54	1.86	0.04	<.01	70	3	4	9	2	<5	<10	.187	<1	0.15
BKL 9806-986		19	<5	<1	0.3	538	8	78	<1	523	75	1.4	<5	<5	<5	>10.00	932	<10	4	104	110	<20	<20	<1	5.62	4.57	0.52	<.01	<.01	26	<1	17	10	1	<5	<10	.171	<1	4.40
BKL 9806-1163		10	<5	<1	<0.2	71	4	73	2	142	69	0.4	<5	8	<5	7.25	837	<10	2	319	221	<20	<20	1	4.77	4.40	2.87	<.01	<.01	48	2	5	14	15	<5	<10	.223	<1	1.20
BKL 9806-1275		7	<5	<1	<0.2	32	4	22	4	10	8	<2	<5	<5	<5	2.10	342	<10	32	111	11	<20	<20	23	1.15	0.40	1.48	0.06	0.12	22	13	2	3	<1	<5	<10	.098	9	0.16
BKL 9914-27		2	<5	1	<0.2	126	<2	62	<1	72	51	0.4	<5	<5	<5	6.03	514	<10	6	66	302	<20	<20	2	3.53	2.62	2.30	0.03	0.02	51	2	4	8	24	<5	<10	.285	<1	0.27
BKL 9915-46		<1	<5	2	<0.2	68	23	82	1	325	44	0.6	<5	<5	<5	6.83	1177	<10	3	1258	63	<20	<20	6	5.80	6.75	4.20	0.02	<.01	152	3	16	15	<1	11	<10	.023	<1	0.04
BKL 9915-71		1	<5	2	<0.2	67	<2	68	<1	139	38	0.4	<5	37	<5	5.63	843	<10	3	288	100	<20	<20	3	3.67	3.29	1.67	0.03	0.01	52	4	<2	10	5	<5	<10	.276	<1	0.22
BKL 9915-72		5	<5	7	<0.2	57	3	67	1	183	46	0.4	<5	56	<5	5.18	792	<10	3	334	73	<20	<20	3	3.59	3.26	1.16	0.04	<.01	47	3	3	10	3	<5	<10	.196	<1	0.11
BKL 9915-120		13	<5	2	0.6	238	3	67	<1	298	50	0.5	<5	6	<5	5.79	913	<10	6	332	161	<20	<20	3	4.87	4.70	4.50	0.02	<.01	86	4	4	17	11	7	<10	.271	<1	0.24
BKL 9915-121		11	<5	<1	0.3	246	2	60	2	256	46	0.4	<5	<5	<5	4.63	755	<10	3	241	98	<20	<20	3	4.30	4.63	3.42	0.02	<.01	78	4	2	13	5	7	<10	.222	<1	0.09
BKL 9915-181		34	27	22	0.8	1567	4	58	2	1105	70	0.9	<5	36	<5	5.38	775	<10	1	323	68	<20	<20	2	4.26	4.80	4.48	0.02	<.01	46	3	6	13	2	7	<10	.132	<1	1.08
BKL 9915-182		46	17	26	1.1	1972	2	58	2	851	62	0.8	<5	26	<5	4.94	691	<10	9	315	72	<20	<20	3	4.08	4.18	3.34	0.03	0.04	54	2	8	19	3	<5	<10	.104	<1	0.69
BKL 9915-191		<1	<5	3	<0.2	85	6	83	<1	565	59	0.4	<5	<5	<5	7.51	1268	<10	5	218	76	<20	<20	3	4.66	7.28	3.94	0.02	<.01	140	2	15	20	2	8	<10	.015	<1	0.09
BKL 9915-203		1	<5	2	<0.2	94	7	89	1	870	98	0.6	<5	<5	<5	9.41	1210	<10	35	300	50	<20	<20	1	4.74	9.58	3.58	<.01	<.01	200	1	13	14	<1	<5	<10	.010	<1	0.15
BKL 9918-11		2	<5	<1	<0.2	83	<2	59	<1	75	39	0.4	<5	<5	<5	5.12	542	<10	14	93	208	<20	<20	3	3.07	2.40	2.18	0.05	0.04	90	3	2	7	16	<5	<10	.303	<1	0.21
BKL 9918-76		<1	<5	<1	<0.2	109	<2	46	1	108	28	0.3	<5	<5	<5	3.02	465	<10	11	263	28	<20	<20	1	2.77	2.65	1.07	0.04	0.04	62	1	3	10	<1	<5	<10	.093	<1	0.02
BKL 9918-80		2	<5	<1	<0.2	159	4	55	1	288	45	0.4	<5	<5	<5	4.03	554	<10	17	762	49	<20	<20	2	3.17	4.12	1.14	0.07	0.05	25	3	7	11	<1	<5	<10	.102	<1	0.27
BKL 9918-81		1	<5	<1	<0.2	68	<2	60	<1	241	41	0.4	<5	<5	<5	5.07	752	<10	3	837	61	<20	<20	2	3.70	5.04	1.36	0.03	0.02	21	2	7	14	1	<5	<10	.131	<1	0.08
BKL 9918-88		2	<5	<1	<0.2	162	4	72	<1	272	47	0.5	<5	<5	<5	6.58	1023	<10	1	849	80	<20	<20	3	5.09	6.64	4.31	<.01	<.01	94	3	14	11	2	13	<10	.052	<1	0.10
BKL 9918-89		5	<5	<1	<0.2	307	3	61	1	227	53	0.4	<5	<5	<5	5.61	902	<10	7	685	77	<20	<20	7	4.11	4.89	5.29	0.02	0.02	102	3	13	14	4	10	<10	.038	1	0.63
BKL 9918-93		3	<5	<1	<0.2	173	3	56	2	169	33	1.0	<5	<5	<5	4.73	838	<10	25	672	43	<20	<20	2	4.23	4.51	6.21	0.02	0.13	102	3	7	18	<1	<5	<10	.082	<1	0.10
BKL 9918-100		<1	<5	<1	<0.2	22	<2	43	2	130	22	0.3	<5	<5	<5	2.98	478	<10	18	180	29	<20	<20	2	2.70	2.54	1.41	0.04	0.06	62	1	5	9	<1	<5	<10	.081	<1	0.01
BKL 9918-104/108		1	<5	1	<0.2	34	3	56	2	326	36	0.4	<5	<5	<5	4.52	627	<10	4	378	39	<20	<20	3	3.40	4.19	0.78	0.03	0.02	20	2	7	13	<1	<5	<10	.107	<1	0.02

04



CLIENT: COMECO GOLD INC.  
REPORT: T01-57115.0 ( COMPLETE )

PROJECT: BLACK LAKE  
DATE RECEIVED: 23-MAY-01 DATE PRINTED: 1-JUL-01 PAGE 2 OF 2

SAMPLE NUMBER	ELEMENT UNITS	Au	Pt	Pd	Ag	Cu	Pb	Zn	Mo	Ni	Co	Cd	Bi	As	Sb	Fe	Mn	Te	Ba	Cr	V	Sn	W	La	Al	Mg	Ca	Na	K	Sr	Y	Ga	Li	Nb	Sc	Ta	Ti	Zr	S
		PPB	PPB	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PCT	PCT	PCT	PCT	PPM	PPM	PPM	PPM	PPM	PPM	PCT	PPM	PCT	
BKL 9918-106		3	<5	1	<0.2	54	2	37	2	151	25	0.2	<5	<5	<5	2.74	434	<10	12	394	30	<20	<20	<1	2.78	3.03	1.65	0.05	0.04	77	1	4	10	<1	<5	<10	.093	<1	0.01
BKL 9918-118		16	<5	1	<0.2	82	4	82	1	545	85	0.5	<5	10	<5	7.07	1079	<10	1	606	69	<20	<20	3	5.25	6.76	4.04	0.02	<.01	69	2	14	14	1	9	<10	.103	<1	0.34
BKL 9918-119		4	<5	<1	<0.2	237	4	90	<1	503	57	0.5	<5	<5	<5	7.24	1131	<10	1	777	96	<20	<20	2	5.49	6.47	3.59	0.02	<.01	70	3	13	21	3	15	<10	.135	<1	0.24
BKL 9918-120		4	<5	1	<0.2	190	3	71	1	444	72	0.5	<5	<5	<5	6.38	1032	<10	<1	676	74	<20	<20	2	4.84	6.17	5.08	<.01	<.01	91	2	11	13	2	11	<10	.101	<1	0.32
BKL 9918-121		23	<5	1	<0.2	115	<2	66	<1	276	71	0.5	<5	<5	<5	7.52	820	<10	5	678	123	<20	<20	3	4.74	6.18	3.26	0.01	0.01	58	2	12	13	5	7	<10	.166	<1	0.33
BKL 9918-122		4	<5	<1	<0.2	172	5	67	2	277	55	0.4	<5	<5	<5	6.93	874	<10	12	481	157	<20	<20	3	4.92	4.89	5.02	0.02	0.05	70	2	18	21	10	10	<10	.036	<1	0.18
BKL 9918-123		16	<5	<1	<0.2	439	4	58	1	267	57	0.4	<5	<5	<5	6.03	742	<10	25	128	58	<20	<20	2	4.47	3.91	5.07	0.02	0.14	70	2	15	24	<1	<5	<10	<.01	<1	0.55
BKL 9918-124		1	<5	<1	<0.2	36	2	52	3	140	27	0.4	<5	<5	<5	5.19	790	<10	19	119	41	<20	<20	7	4.37	3.69	6.13	0.02	0.16	94	2	14	26	<1	<5	<10	<.01	10	0.07
BKL 9918-125		2	<5	<1	0.9	42	3	52	2	119	32	0.4	<5	<5	<5	5.31	953	<10	22	97	54	<20	<20	4	4.40	3.62	7.78	0.02	0.17	96	2	13	25	<1	<5	<10	<.01	<1	0.13
BKL 9918-126		1	<5	<1	11.4	73	<2	54	<1	105	32	0.3	<5	<5	<5	5.27	825	<10	17	124	49	<20	<20	4	4.43	3.62	7.03	0.02	0.17	79	2	13	25	<1	<5	<10	<.01	<1	0.11
BKL 9918-127		2	<5	<1	<0.2	30	3	58	1	123	37	0.4	<5	<5	<5	5.63	703	<10	17	138	51	<20	<20	3	4.56	3.80	5.43	0.02	0.16	74	1	13	25	<1	<5	<10	<.01	<1	0.16
BKL 9918-128		1	<5	<1	<0.2	60	<2	54	<1	113	31	0.4	<5	<5	<5	5.42	935	<10	18	124	48	<20	<20	2	4.39	3.62	8.67	0.02	0.16	110	2	13	24	<1	<5	<10	<.01	<1	0.11
BKL 9918-129		2	<5	<1	<0.2	56	4	56	2	108	30	0.3	<5	<5	<5	5.46	730	<10	19	113	46	<20	<20	3	4.51	3.94	5.84	0.02	0.16	71	2	13	25	<1	<5	<10	<.01	<1	0.10
BKL 9919-95		<1	<5	<1	<0.2	<1	3	115	2	116	26	0.5	<5	<5	<5	7.02	1268	<10	9	273	55	<20	<20	6	4.22	3.61	3.73	0.04	0.03	83	3	22	24	<1	9	<10	<.01	2	0.01
BKL 9919-112		2	<5	<1	<0.2	84	2	86	2	234	47	1.1	<5	<5	<5	6.85	1009	<10	3	691	92	<20	<20	4	4.33	5.02	3.69	0.02	<.01	43	3	11	15	3	<5	<10	.155	<1	0.12
BKL 9919-113		3	<5	<1	<0.2	147	2	73	1	216	49	0.5	<5	<5	<5	6.14	808	<10	<1	718	108	<20	<20	1	3.96	4.94	2.00	0.03	<.01	29	1	10	15	6	<5	<10	.171	<1	0.12

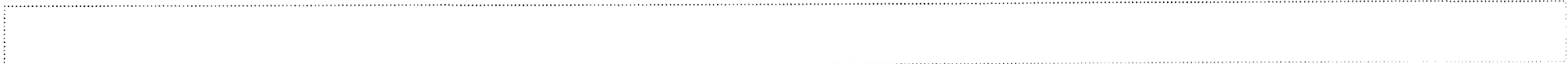
28



CHIMITEC  
BONDAR CLEGG



Rapport Lab Geochimie  
Geochemical Lab Report



CAMECO GOLD INC.  
MIKE KOZIOL  
#6-1349 KELLY LAKE ROAD  
SUDBURY, ONTARIO  
P3E 5P5

+

+

+

+





REPORT: T01-57116.1 ( COMPLETE )

REFERENCE:

CLIENT: CAMECO GOLD INC.  
PROJECT: BLACK LAKE

SUBMITTED BY: M. KOZIOL  
DATE RECEIVED: 23-MAY-01 DATE PRINTED: 13-JUI-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010613	1 SiO2	3	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010613	2 TiO2	3	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010613	3 Al2O3	3	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010613	4 Fe2O3	3	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010613	5 MnO	3	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010613	6 MgO	3	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010613	7 CaO	3	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010613	8 Na2O	3	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010613	9 K2O	3	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010613	10 P2O5	3	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010613	11 LOI	3	-2.00 PCT	Ignition 1000 Deg.	GRAVIMETRIC
010613	12 Total	3	0.01 PCT	Whole Rock Tot.-XR80	
010613	13 Cr2O3	3	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010613	14 Zr	3	1 PPM	Pressed Pellet	XRAY FLUORESCENCE
010613	15 Y	3	1 PPM	Pressed Pellet	XRAY FLUORESCENCE

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	1	2 -150	1	AS RECEIVED	3
ROCK	2	-150	2	AS RECEIVED	3

REPORT COPIES TO: MIKE KOZIOL

INVOICE TO: MIKE KOZIOL

\*\*\*\*\*  
 This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated  
 \*\*\*\*\*

15



CHIMITEC  
BONDAR CLEGG



# Rapport Lab Geochimie Geochemical Lab Report

CLIENT: CAMECO GOLD INC.

REPORT: T01-57116.1 ( COMPLETE )

DATE RECEIVED: 23-MAY-01

DATE PRINTED: 13-JUI-01

PROJECT: BLACK LAKE

PAGE 1 OF 1

SAMPLE NUMBER	ELEMENT UNITS	SI02 PCT	TiO2 PCT	AL2O3 PCT	Fe2O3 PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	Cr2O3 PCT	Zr PPM	Y PPM
BKL 01-002		59.30	0.55	15.84	4.50	.13	1.75	5.51	4.26	1.47	0.15	6.20	99.68	0.02	121	15
BKL 01-004		43.25	1.62	12.11	15.75	.22	3.61	7.77	2.19	0.95	0.16	12.27	99.92	0.02	85	25
BKL 01-104		77.35	0.10	11.53	1.86	.03	0.09	0.93	4.26	1.00	0.05	1.81	99.03	0.03	225	37



CHIMITEC  
BONDAR CLEGG



Rapport Lab Geochimie  
Geochemical Lab Report

CAMECO GOLD INC.  
MIKE KOZIOL  
#6-1349 KELLY LAKE ROAD  
SUDBURY, ONTARIO  
P3E 5P5

+

+

+

+



REPORT: T01-57116.2 ( COMPLETE )

REFERENCE:

CLIENT: CAMECO GOLD INC.  
PROJECT: BLACK LAKE

SUBMITTED BY: M. KOZIOL  
DATE RECEIVED: 20-JUN-01 DATE PRINTED: 4-JUL-01

DATE APPROVED	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD	
010704	1 SiO2	SiO2 - XR80	1	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010704	2 TiO2	TiO2 - XR80	1	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010704	3 Al2O3	Al2O3 - XR80	1	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010704	4 Fe2O3	Fe2O3 - XR80	1	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010704	5 MnO	MnO - XR80	1	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010704	6 MgO	MgO - XR80	1	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010704	7 CaO	CaO - XR80	1	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010704	8 Na2O	Na2O - XR80	1	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010704	9 K2O	K2O - XR80	1	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010704	10 P2O5	P2O5 - XR80	1	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010704	11 LOI	LOI - XR80	1	-2.00 PCT	Ignition 1000 Deg.	GRAVIMETRIC
010704	12 Total	Whole Rock Tot. -XR80	1	0.01 PCT		
010704	13 Cr2O3	Cr2O3 - XR80	1	0.01 PCT	BORATE FUSION	XRAY FLUORESCENCE
010704	14 Zr	Zr - XR01/A	1	1 PPM	Pressed Pellet	XRAY FLUORESCENCE
010704	15 Y	Y - XR01/A	1	1 PPM	Pressed Pellet	XRAY FLUORESCENCE

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	1	-150	1	AS RECEIVED	3

REPORT COPIES TO: MIKE KOZIOL

INVOICE TO: MIKE KOZIOL

\*\*\*\*\*  
 This report must not be reproduced except in full. The data presented in this report is specific to those samples identified under "Sample Number" and is applicable only to the samples as received expressed on a dry basis unless otherwise indicated  
 \*\*\*\*\*



CHIMITEC  
BONDAR CLEGG



# Rapport Lab Geochimie Geochemical Lab Report

CLIENT: CAMECO GOLD INC.

REPORT: T01-57116.2 ( COMPLETE )

DATE RECEIVED: 20-JUN-01

DATE PRINTED: 4-JUL-01

PROJECT: BLACK LAKE

PAGE 1 OF 1

SAMPLE NUMBER	ELEMENT UNITS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3 PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	Cr2O3 PCT	Zr PPM	Y PPM
BKL 01-102		59.30	0.54	15.94	4.47	.13	1.82	5.56	4.23	1.44	0.14	6.14	99.74	0.02	106	12

113



Date: 2001-SEP-19

GEOSCIENCE ASSESSMENT OFFICE  
933 RAMSEY LAKE ROAD, 6th FLOOR  
SUDBURY, ONTARIO  
P3E 6B5

CAMECO CORPORATION/CORPORATION CAMECO  
1349 KELLY LAKE ROAD  
UNIT #6  
SUDBURY, ONTARIO  
P3E 5P5 CANADA

Tel: (888) 415-9845  
Fax: (877) 670-1555

**Submission Number:** 2.21821  
**Transaction Number(s):** W0130.30490

Dear Sir or Madam

**Subject: Approval of Assessment Work**

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact BRUCE GATES by email at [bruce.gates@ndm.gov.on.ca](mailto:bruce.gates@ndm.gov.on.ca) or by phone at (705) 670-5856.

Yours Sincerely,



Ron Gashinski  
Supervisor, Geoscience Assessment Office

**Cc:** Resident Geologist

Cameco Corporation/Corporation Cameco  
(Claim Holder)

Marian (Mike) Koziol  
(Agent)

Assessment File Library

Cameco Corporation/Corporation Cameco  
(Assessment Office)

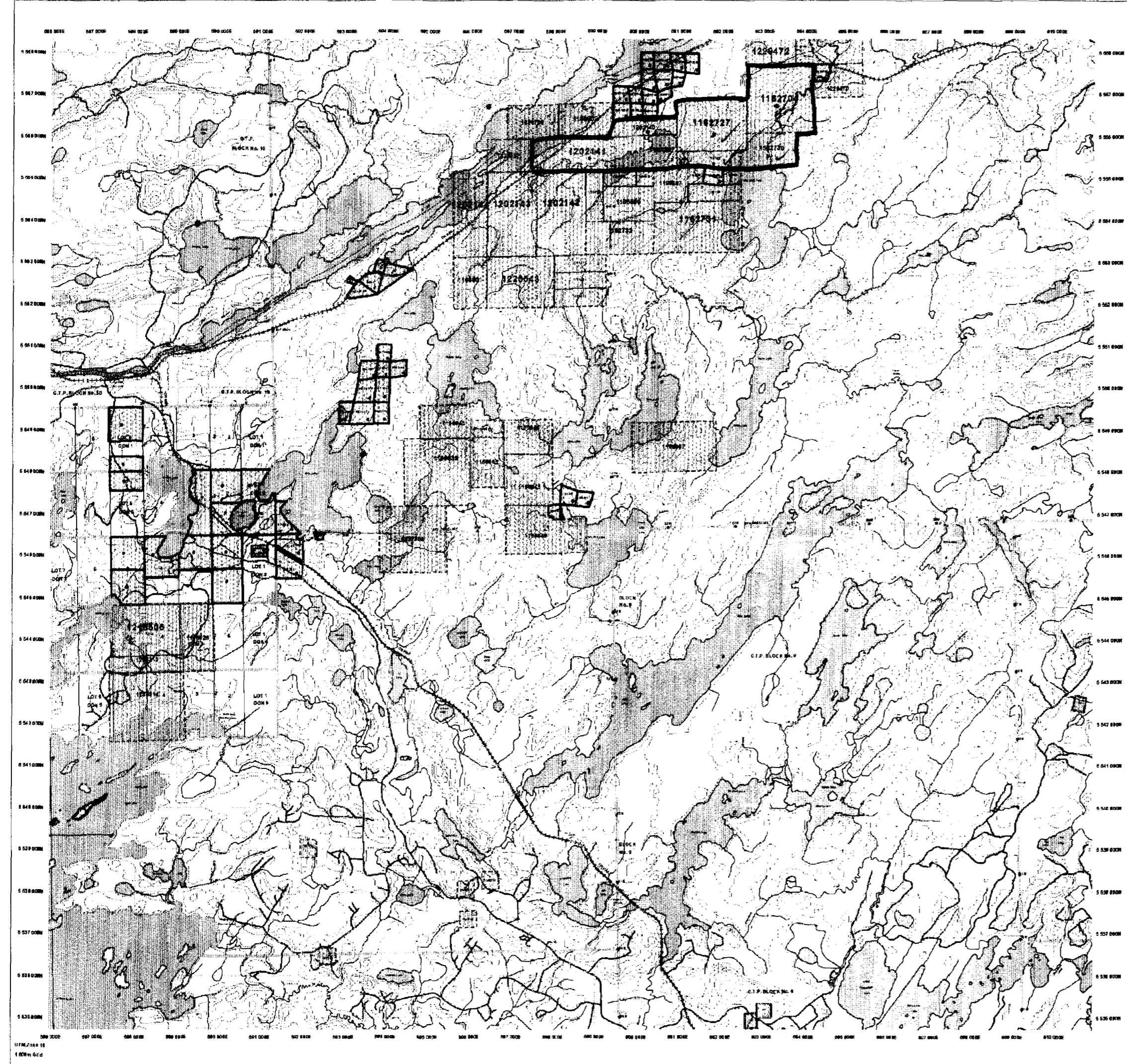
221821 Geol. Assay.



**MINING LAND TENURE MAP**

Date / Time of Issue May 15 2001 14:45h Eastern  
 TOWNSHIP / AREA PLAN  
 BENEDICKSON (1 of 2) M-2222

ADMINISTRATIVE DISTRICTS / DIVISIONS  
 Mining Division Patricia  
 Land Titles/Registry Division KENORA  
 Ministry of Natural Resources District SIOUX LOOKOUT



**TOPOGRAPHIC**

- Administrative Boundaries
- Topographic
- Contour Line
- Provisional Fee
- Water Feature
- City of Winnipeg
- Center
- Center - Approx. Accuracy 2 meters
- State
- Manitoba's
- Railway
- Road
- Traffic
- Natural Gas Pipeline
- Hydro Line
- Commercial Line
- Wooded Area
- Markings - Cultural, Historical, Point, Control

**LAND TENURE**

**Freehold Patent**

- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

**Leasehold Patent**

- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

**License of Occupancy**

- License of Occupancy
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

**LAND TENURE WITHDRAWALS**

- Area Withdrawal from Operation Mining Act 1999 (same type)
- Water Rights and Mining Rights Withdrawal
- Water Rights Only Withdrawal
- Order in Council Withdrawal Type
- Water Rights and Mining Rights Withdrawal
- Water Rights Only Withdrawal
- Mining Rights Only Withdrawal

**IMPORTANT NOTICES**

**LAND TENURE WITHDRAWAL DESCRIPTIONS**

Number	Date	Description
001	Jan 1 2001	1372 S.A.D. 10544x V.1
048	Jan 1 2001	PUBLIC LANDS ACT 201184 S.R.O.
043	Jan 1 2001	SE 4376466-77 21477 S.R.O. 11960
1002	Jan 1 2001	SEC. 20/94 W.P.A. 02 04 04047814-14.1 S.P.0232
1005	Jan 1 2001	SEC. 20/94 W.P.A. 02 04 04047814-14.1 S.P.0232
1000	Jan 1 2001	SEC. 15/94 W.P.A. 07 04 04047814-14.1 S.P.0231

**IMPORTANT NOTICES**

These notices apply to registered land and are intended to provide notice of effect to the public, including the public, tenants, leaseholders, right of way, easements, or other forms of the position of rights and interests from the Crown. After a notice has been issued and there is no objection or protest filed in writing to the Mining Registrar's Office within the time specified in the notice, the notice shall be deemed to have been accepted.

52J04NE2 006 2.21821 SHARRON LAKE 200

These notices are published in the Mining Land Tenure Register of the Ministry of Northern Development and Mines (MNDM) and are intended to provide notice of effect to the public, including the public, tenants, leaseholders, right of way, easements, or other forms of the position of rights and interests from the Crown. After a notice has been issued and there is no objection or protest filed in writing to the Mining Registrar's Office within the time specified in the notice, the notice shall be deemed to have been accepted.

**General Information and Limitations**

Contact Information:  
 Patricia Mining Registrar's Office  
 1000 Main Street, Suite 100  
 Kenora, Ontario P7A 1A1  
 Tel: (809) 495-2844  
 Fax: (807) 678-3444  
 E-mail: pmr@mndm.gov.on.ca

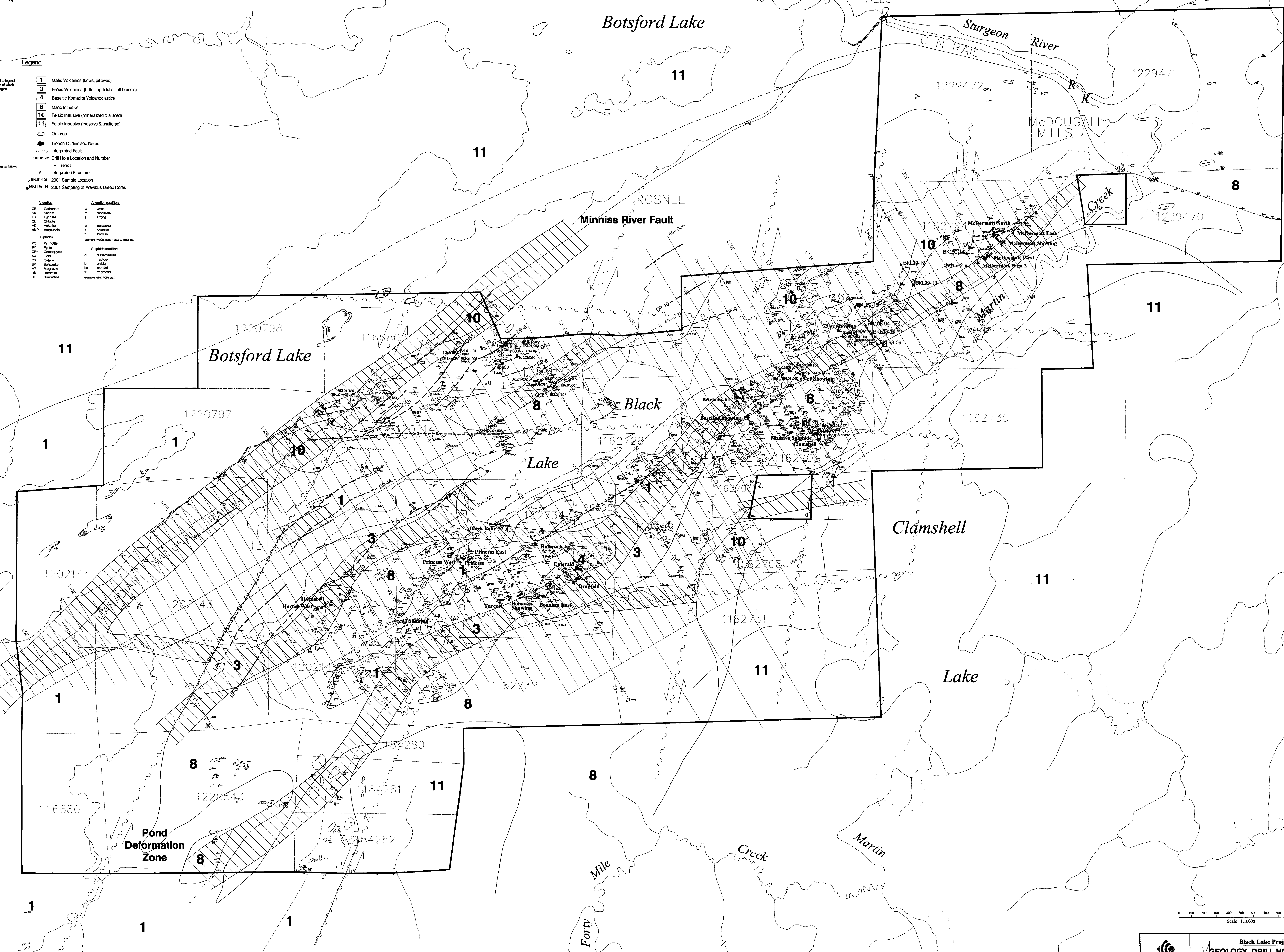
Map Data: MNDM  
 Projection: UTM (148700)  
 Township: 20N 94W  
 Mining Land Tenure Register (Patented Mining Registrar's Office)





**Legend**

- Additional modifiers to be added to legend for volcanic units (1,2,3,4, some of which may be used with intrusive lithologies)
- 1- massive
  - 2- amygdaloidal
  - 3- vesicular
  - 4- blocky
  - 5- tuff breccia
  - 6- tuff breccia
  - 7- brecciated
  - 8- brecciated
  - 9- brecciated
  - 10- brecciated
  - 11- brecciated
- for the rock units (2) modifiers are as follows:
- 1- conglomerate
  - 2- sandstone
  - 3- shale
  - 4- siltstone
  - 5- mudstone
  - 6- siltstone
  - 7- shale
  - 8- shale
  - 9- shale
  - 10- shale
  - 11- shale
- Additional modifiers of rock type
- 1a - basalt
  - 2a - andesite
  - 3a - rhyolite
  - 4a - rhyolite
  - 5a - rhyolite
  - 6a - rhyolite
  - 7a - rhyolite
  - 8a - rhyolite
  - 9a - rhyolite
  - 10a - rhyolite
  - 11a - rhyolite
- 1** Mafic Volcanics (flows, pillowed)  
**3** Felsic Volcanics (tuffs, lapilli tuffs, tuff breccia)  
**4** Basaltic Komatiite Volcanoclastics  
**8** Mafic Intrusive  
**10** Felsic Intrusive (mineralized & altered)  
**11** Felsic Intrusive (massive & unaltered)
- Outcrop  
**○** Trench Outline and Name  
**- - -** Interpreted Fault  
**○** DR#-04 Drill Hole Location and Number  
**- - -** I.P. Trends  
**S** Interpreted Structure  
**x** BK21-06 2001 Sample Location  
**●** BKLS9-04 2001 Sampling of Previous Drilled Cores
- | Alteration           | Substrata modifiers  |
|----------------------|----------------------|
| DR - Diagenetic      | m - massive          |
| FR - Felsic          | s - strong           |
| CL - Chlorite        | d - disseminated     |
| AK - Amphibole       | l - lenticular       |
| AMP - Amphibole      | b - blocky           |
| T - Talc             | so - silty           |
| S - Sulfide          | st - stannic         |
| Py - Pyrite          | ss - silty sandstone |
| Pt - Pyroxene        | st - stannic         |
| Ch - Chlorophyll     | st - stannic         |
| Qu - Quartz          | st - stannic         |
| Al - Aluminosilicate | st - stannic         |
| Sp - Spinel          | st - stannic         |
| G - Garnet           | st - stannic         |
| St - Siderite        | st - stannic         |
| Op - Olivine         | st - stannic         |
| Ms - Magnetite       | st - stannic         |
| H - Hematite         | st - stannic         |
| B - Barite           | st - stannic         |



0 100 200 300 400 500 600 700 800 900 1000m  
Scale 1:10000

**Black Lake Project**  
**GEOLOGY, DRILL HOLES AND TRENCH LOCATIONS**

Compiled: P.C., T.M., M.K.	Dwg. No.: BKLS9001	Map 1
Drafted: CLAYTON DURBIN	Date: 01/07/10	
Scale: 1:10,000	Geo. Ref. NAD 27 - UTM Zone 15	
NTS Ref.: 52 / 4	Source:	

210  
2010-11-11 11:11:11