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NTS 55M,55L

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Iqaluit, NU

# ASSESSMENT REPORT
## Prospecting Permits 3653-3661, 4824-4827, 4836-4863
## Baker Lake Prospecting Permits, Churchill Diamond Project, Kivalliq Region, NUNAVUT Territory

This report has been examined and approved as to technical worth under Section 31 and Section 6 & 7 of Schedule II of the Canada Mining Regulations and valued in the amount of $ 503 789.31
Date Nov 25/2005 Chief "Karen Costello"

| | |
|---|---|
| **Company Name:** | **Shear Minerals Ltd.** |
| **Mineral Permits:** | **3653-3661, 4824-4827, 4836-4863** |
| **Nature of Report:** | **Regional Till Sampling** |
| **Work Conducted During:** | **July 2004 – August 2004** |
| **Location of Permits:** | **NTS 55L13,14; 55M03-07, 10-15** |
| **Work Conducted By:** | **APEX Geoscience Ltd. and Shear Minerals Ltd.** |
| **Centre of Property:** | **Lat: 63deg46.8min** |
| | **Long: 94deg29.25min** |

**APEX Geoscience Ltd.**
**Shear Minerals Ltd.**

October, 2005

P. Strand, P.Geol.
J.P. Armstrong, P.Geol.
J. Burgess, P.Geol.

# ASSESSMENT REPORT
# Prospecting Permits 3653-3661, 4824-4827, 4836-4863
# Baker Lake Prospecting Permits, Churchill Diamond Project, Kivalliq Region, NUNAVUT Territory

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## SUMMARY

This report is written as an annual report for the following 41 prospecting permits 3653-3661, 4824-4827, 4836-4863, issued on February 1, 2004, for the Churchill Diamond Property, on behalf of joint venture partners Shear Minerals Ltd., Stornoway Diamond Corporation Ltd., and BHP Billiton.

APEX Geoscience Ltd. (APEX), was retained by Shear Minerals Ltd. ('Shear'), operator of the Churchill Diamond Project, during June, 2001 as consultants to aid in project management and complete field work on behalf of Shear and the Churchill Diamond Project joint venture partners. The portion of the Churchill Diamond Project area that this report encompasses is 1,762,067 acres in size and is comprised of 41 prospecting permits, located south of Baker Lake, Nunavut. APEX personnel in conjunction with Shear Minerals planned and executed the 2004 sampling program.

In 2004, a total of 518 till samples (including 24 duplicates) were collected on the Baker Lake prospecting permits.

## INTRODUCTION

This report is written for the Churchill Diamond Property Prospecting Permits, which are held by joint venture partners Shear Minerals Ltd, Stornoway Diamond Corporation Ltd., and BHP Billiton. The Churchill Property is located in Nunavut (Figure1). The 41 prospecting permits were acquired on February 3rd, 2004 for a total of 1, 762, 067 acres (Figure 2, Table 1).

APEX Geoscience Ltd. (APEX), was retained by Shear Minerals Ltd. (Shear), operator of the Churchill Diamond Project, during June, 2001 as consultants to aid in project management and complete field work on behalf of Shear Minerals Ltd. and the Churchill Diamond Property joint venture partners, Stornoway Diamond Corp. ('Stornoway') BHP Billiton Diamonds Inc. (BHPB).

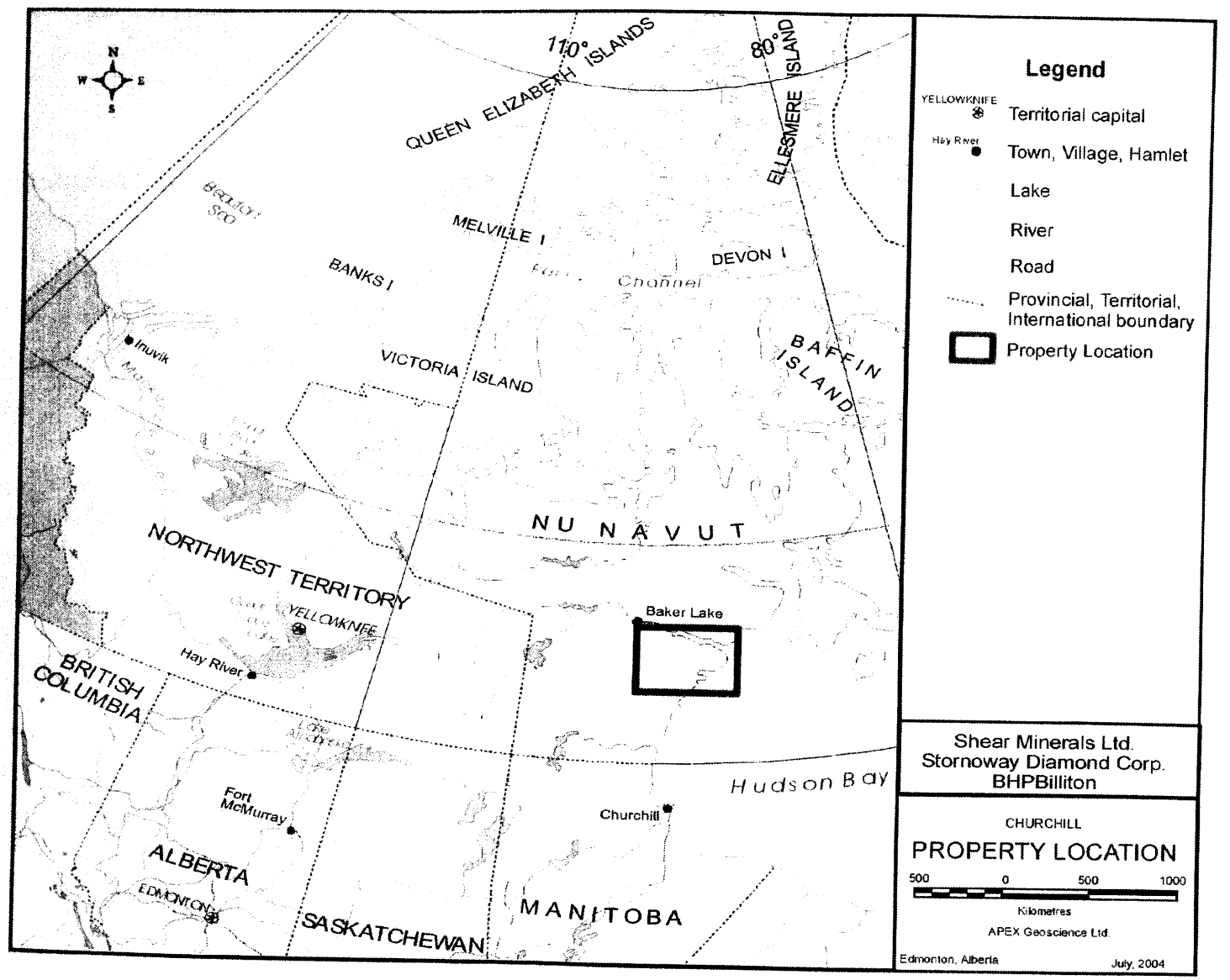

N
W
E
S
110°
80°
QUEEN ELIZABETH ISLANDS
ELLESMERE ISLAND
MELVILLE I
DEVON I
BANKS I
Channel
Inuvik
VICTORIA ISLAND
BAFFIN ISLAND
NU NAVUT
NORTHWEST TERRITORY
YELLOWKNIFE
Baker Lake
Hay River
BRITISH COLUMBIA
Hudson Bay
Fort McMurray
Churchill
ALBERTA
EDMONTON
SASKATCHEWAN
MANITOBA
Legend
YELLOWKNIFE
Territorial capital
Hay River
Town, Village, Hamlet
Lake
River
Road
Provincial, Territorial, International boundary
Property Location
Shear Minerals Ltd.
Stornoway Diamond Corp.
BHPBilliton
CHURCHILL
PROPERTY LOCATION
500
0
500
1000
Kilometres
APEX Geoscience Ltd.
Edmonton, Alberta
July, 2004

Figure 1.

## Table1 Baker Prospecting Permits, Churchill Diamond Project

| PERMIT | NTS | QUAD. | ISSUED | EXPIRES | REGISTERED | ACRES |
|---|---|---|---|---|---|---|
| 3653 | 055M/03 | NE | 2004-02-01 | 2007-01-31 | Adam Vary | 43433.00 |
| 3654 | 055M/03 | NW | 2004-02-01 | 2007-01-31 | Adam Vary | 43433.00 |
| 3655 | 055M/03 | SE | 2004-02-01 | 2007-01-31 | Adam Vary | 43433.00 |
| 3656 | 055M/03 | SW | 2004-02-01 | 2007-01-31 | Adam Vary | 43433.00 |
| 3657 | 055M/04 | NE | 2004-02-01 | 2007-01-31 | Adam Vary | 43433.00 |
| 3658 | 055M/04 | NW | 2004-02-01 | 2007-01-31 | Adam Vary | 43433.00 |
| 3659 | 055M/04 | SE | 2004-02-01 | 2007-01-31 | Adam Vary | 43433.00 |
| 3660 | 055M/04 | SW | 2004-02-01 | 2007-01-31 | Adam Vary | 43433.00 |
| 3661 | 055M/15 | NW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 42313.00 |
| 4824 | 055L/13 | NE | 2004-02-01 | 2007-01-31 | Lawrence Barry | 43805.00 |
| 4825 | 055L/13 | NW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 43805.00 |
| 4826 | 055L/14 | NE | 2004-02-01 | 2007-01-31 | Lawrence Barry | 43805.00 |
| 4827 | 055L/14 | NW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 43805.00 |
| 4836 | 055M/05 | NE | 2004-02-01 | 2007-01-31 | Lawrence Barry | 43058.00 |
| 4837 | 055M/05 | NW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 43058.00 |
| 4838 | 055M/05 | SE | 2004-02-01 | 2007-01-31 | Lawrence Barry | 43058.00 |
| 4839 | 055M/05 | SW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 43058.00 |
| 4840 | 055M/06 | NE | 2004-02-01 | 2007-01-31 | Lawrence Barry | 43058.00 |
| 4841 | 055M/06 | NW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 43058.00 |
| 4842 | 055M/06 | SE | 2004-02-01 | 2007-01-31 | Lawrence Barry | 43058.00 |
| 4843 | 055M/06 | SW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 43058.00 |
| 4844 | 055M/07 | NE | 2004-02-01 | 2007-01-31 | Lawrence Barry | 43058.00 |
| 4845 | 055M/07 | NW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 43058.00 |
| 4846 | 055M/07 | SE | 2004-02-01 | 2007-01-31 | Lawrence Barry | 43058.00 |
| 4847 | 055M/07 | SW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 43058.00 |
| 4848 | 055M/10 | SE | 2004-02-01 | 2007-01-31 | Lawrence Barry | 42687.00 |
| 4849 | 055M/10 | SW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 42687.00 |
| 4850 | 055M/11 | NW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 42687.00 |
| 4851 | 055M/11 | SE | 2004-02-01 | 2007-01-31 | Lawrence Barry | 42687.00 |
| 4852 | 055M/11 | SW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 42687.00 |
| 4853 | 055M/12 | NE | 2004-02-01 | 2007-01-31 | Lawrence Barry | 42687.00 |
| 4854 | 055M/12 | NW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 42687.00 |
| 4855 | 055M/12 | SE | 2004-02-01 | 2007-01-31 | Lawrence Barry | 42687.00 |
| 4856 | 055M/12 | SW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 42687.00 |
| 4857 | 055M/13 | NE | 2004-02-01 | 2007-01-31 | Lawrence Barry | 42313.00 |
| 4858 | 055M/13 | NW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 42313.00 |
| 4859 | 055M/13 | SE | 2004-02-01 | 2007-01-31 | Lawrence Barry | 42313.00 |
| 4860 | 055M/13 | SW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 42313.00 |
| 4861 | 055M/14 | NE | 2004-02-01 | 2007-01-31 | Lawrence Barry | 42313.00 |
| 4862 | 055M/14 | NW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 42313.00 |
| 4863 | 055M/14 | SW | 2004-02-01 | 2007-01-31 | Lawrence Barry | 42313.00 |
| | | | | | | 1762067.00 |

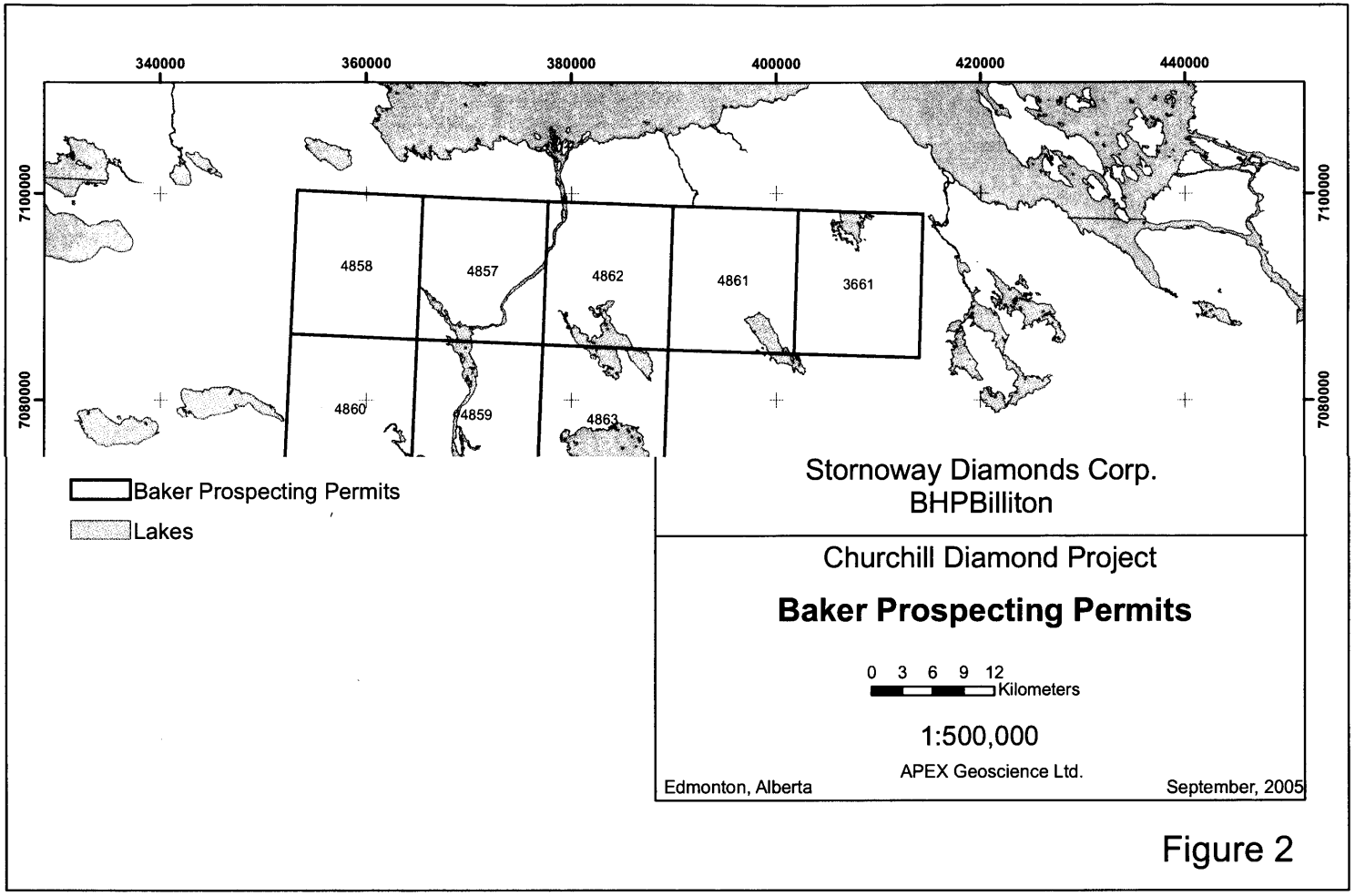

340000
360000
380000
400000
420000
440000
7100000
7080000
4858
4857
4862
4861
3661
4860
4859
4863
Baker Prospecting Permits
Lakes
Stornoway Diamonds Corp.
BHPBilliton
Churchill Diamond Project
Baker Prospecting Permits
0 3 6 9 12
Kilometers
1:500,000
APEX Geoscience Ltd.
Edmonton, Alberta
September, 2005

Figure 2

## PROPERTY DESCRIPTION, LOCATION AND ACCESSIBILITY

The property is located in NTS Sheets NTS 55L/13, 14; 55M/3-07, 10-15, located south and east of Baker lake and is contiguous with a series of Permits referred to as the Fish Camp prospecting permits, which also form a portion of the Churchill Diamond project (Figure 2). Till sampling (Appendix 1) was conducted out of the Hamlet of Baker Lake, and a small fishing lodge on the shore of Quartzite lake with co-ordination and logistical support from Rankin Inlet during the period of July 11 to July 24, 2004. The personnel working on this program are listed in Appendix 2.

Daily scheduled air service to Rankin Inlet, NU from Yellowknife, NT, Iqualuit, NU or Winnipeg, MB provides access to the property. APEX and Shear Minerals rented housing in Baker Lake to facilitate the sampling. APEX also rented houses and a warehouse in Rankin Inlet to accommodate field crews and support staff as a base camp had not been established for the 2004 field season. Transportation within the community of Rankin Inlet is by pick-up or ATV. Consumables such as fuel for the required helicopter support and fixed wing geophysical survey is transported either by air freight from Churchill Manitoba, Yellowknife NWT, or via barge service from Churchill Manitoba or Montreal, Quebec. Fresh foods and groceries are available at several stores within the community and expediting services are also available in Rankin Inlet.

Access to the property area from Baker Lake and the Fish Camp is best obtained using a helicopter. A Hughes 500D, was utilized for the collection of regional till samples within the permits. Fuel was ferried to Baker Lake using fixed wing support (Convair) and samples were moved to Rankin Inlet from cache locations by tundra tire equipped twin otter fixed wing aircraft. Samples returned to Baker Lake by helicopter were transported to Rankin Inlet by Pilatus and Twin Otter fixed wing aircraft. Samples were then crated and shipped via barge to Churchill, MB and Ste-Catherine, QC for transport to SRC in Saskatoon, SK.

The property is located in the barren lands in an area dominated by till and oceanic sediments in a relatively flat area. Maximum relief throughout the area is about 350 m above sea level (a.s.l.). There are numerous small and large lakes in the region. Eskers exist throughout the area and some can be used as natural airstrips for tundra tire equipped twin otter fixed wing aircrafts to mobilize crews and/or pick up samples. As well, float equipped fixed wing aircrafts can land in many of the lakes throughout the area during summer months.

The climate is sub-arctic with temperatures ranging from about -45 °C in the winter to about +25°C during the summer months (July and August). Lakes typically have ice until mid-June and freeze up during late September.

## HISTORY

From 1997 through 1999 the Geological Survey of Canada (GSC) conducted surficial mapping and glacial till sampling within the Meliadine trend, north of Rankin Inlet (McMartin, 2000). Over 220 regional till samples were collected by the GSC with an average sample spacing of 4 kilometres. The samples were largely collected from active frost boils to a depth of approximately 30 centimetres. The sample weight was three (3) kilograms (McMartin, 2000). Regional sampling by McMartin shows a good spatial correlation between the gold bearing Meliadine trend (Pyke Fault) and the gold concentration within till and esker samples. There was also very close correlation between till pebble lithologies and underlying up ice bedrock source. This indicates that the till is sourcing local bedrock and is a reliable means of drift prospecting within the region. Diamond indicator mineral results demonstrate that: (1) kimberlite in outcrop; (2) kimberlite float; and (3) kimberlite indicator minerals exist throughout the area (McMartin, 2000).

The area has been the focus of gold exploration since the fall of 1989 when gold mineralization was discovered at Meliadine Lake (Dickson, 1991). Presently, two significant gold deposits exist in the region. Immediately south and west of the Churchill Diamond Property, extensive work has been completed at Comaplex Minerals Corp. (Comaplex)(78%) and Cumberland Resources Inc.'s (Cumberland)(22%), Meliadine West Property where an inferred category resource of 22.1 million tonnes grading 6.32 grams gold per tonne (g Au/t) has been delineated (Comaplex, 2002). Meliadine East Property (Comaplex 50%, Cumberland 50%) is being explored for gold and diamonds; the work includes till sampling, airborne geophysics and diamond drilling. Exploration on the Meliadine Property continues with Comaplex as operator on the property.

During summer 1993, a regional mapping program conducted by the Geological Survey of Canada (GSC), discovered at least two, highly diamondiferous, northwest trending alkaline lamprophyre dykes in the Parker Lake area which is approximately 400 km to the west of the Churchill Diamond Property (Besserer, 1994; Armitage *et. al.*, 1994; MacRae *et. al.*, 1995). The diamondiferous Parker Lake (Akluilak) dyke yields an age of 1832 Ma. The Akluilak dyke is thought to be associated with the magmatic event responsible for the formation of the Proterozoic (1850 Ma) Christopher Island Formation volcanics. Subsequently, diamond exploration by Comaplex continued throughout the mid-1990s. Other companies such as BHP Billiton and DeBeers Canada (Formerly Monopros Ltd.) have conducted regional till sampling programs in and around the Rankin Inlet area (BHP Billiton field personnel, *pers. comm.*, September, 2001).

During 1996, Comaplex discovered seven kimberlite dykes and one ultrapotassic dyke (the 'Aya' Dyke) in drill core within the Meliadine gold property.

The dykes were intersected at depths ranging from 18.70 m to 121.25 m and are up to 1.91 m in width. The dykes area are described as barren and have been age dated as Early Jurassic (192 +/- 13 Ma) (Seller, 1999). As well, kimberlite float has apparently been discovered by Cumberland Resources Ltd., in two areas in close proximity to the Churchill Diamond Property (J. Robins *pers. comm.*, 2002; B. Kjarsgaard *pers. comm.*, 2002).

In July 2003, Comaplex announced results from diamond drilling at Meliadine East: Nine of the ten kimberlite bodies intersected in 2003 drilling program were barren. Three microdiamonds from 32kg of core were recovered from one kimberlite body. (Comaplex, 2003)

Numerous proprietary airborne geophysical surveys exist throughout the Meliadine area, however, where publicly available through filed assessment reports, for the most part covers areas that are presently staked by others. As well, GSC airborne magnetic data is available for the entire Churchill Diamond Property area. Typically, widely spaced airborne data does not readily identify kimberlite targets due to the size and magnetic magnitude of kimberlites (typically less than 200 m in diameter)

The Churchill and Churchill West diamond projects are contiguous with the Permit Parcel, which is the subject of this report. Exploration on the Churchill Property has been ongoing since 2001. In 2001 a regional till sample was collected during July to test for diamond indicator minerals down ice from a low priority magnetic target which may represent a kimberlite or related intrusion, chosen from the GSC airborne magnetic data. Also, during September 2001, 47 regional till samples were collected to test for diamond indicator minerals as part of a regional reconnaissance program. The Hunter Exploration Group conducted this work. At the same time other exploration groups were also conducting reconnaissance programs throughout the region. A total of 25 probe confirmed diamond indicator minerals were recovered. This program led to the initial ground acquisition by Shear Minerals.

During summer 2002, a high resolution fixed-wing airborne magnetic (HRAM) survey totaling 16,307 line kilometers was flown by Firefly Aviation Inc., Calgary, Alberta. Intrepid Geophysics Ltd., Lithoquest Inc. and APEX GEOSCIENCE LTD picked preliminary geophysical targets. In total, 226 priority anomalies were selected as possible kimberlite or related intrusions. During late August and early September 2002, APEX Geoscience Ltd. conducted a regional till sample program. In total, 135 till samples were collected. Of the 135 regional till samples collected, 30 samples had probe confirmed diamond indicator minerals recovered. In total, 120 probe confirmed diamond indicator minerals were recovered from the 2002 season. As well, during the sampling, two occurrences of kimberlite float were discovered (Besserer et al., 2004).

In 2003 a total of 671 regional till samples were collected perpendicular to the ice direction along lines oriented at an azimuth of $215^0$ degrees (true north). The sample distance between lines was approximately 4-5 km, and the sample density was approximately 500 metres along the lines. In addition to regional sampling a total of 46 target specific samples were collected from 23 priority geophysical anomalies. A review of the airborne magnetic dataset was conducted in order to identify potential kimberlite targets. A DIGHEM$^{RESOLVE}$ electromagnetic/resistivity/magnetic survey was flown by Fugro Airborne Surveys Corp. (Mississauga, Toronto, ON) from May 13 to May 17, 2003. Survey coverage consisted of approximately 70.13 line-km, including tie lines. Fugro Airborne Surveys Corp provided final leveled data.

During spring 2003, APEX Geoscience Ltd. completed 40; ground magnetics and horizontal loop electromagnetics (HLEM) surveys over 30 priority airborne geophysical targets. Of the 30 targets, 12 targets were drill tested with kimberlite intersected in 6. The 2003 drilling program consisted of thirteen (13) holes drilled, totaling 917.62 metres of core. Twelve targets were drill tested of which 7 kimberlitic bodies were discovered. A total of 416.14 metres of kimberlite was intersected. There were 6 microdiamonds recovered from caustic fusion (Besserer et al., 2004). Drilling in the fall of 2003 intersected a further 11 kimberlites, 9 on the Churchill and 2 on the Churchill West property.

In 2004 a total of 4213 till samples were collected on the Churchill and Churchill West properties. In the area outside of the Prospecting Permits that are the subject of this report a helicopter-borne electromagnetic/magnetic survey was flown over the company's Churchill Diamond Project area by Fugro Airborne Surveys from February 28 to June 02, 2004. Survey coverage consisted of approximately 33,613 line-kilometres, including tie lines. Additional diamond drilling identified 6 additional kimberlites, bringing the total to 22 kimberlites on the Churchill and 2 kimberlites on the Churchill West Properties.

## GEOLOGICAL SETTING

The Churchill Diamond Property is underlain by rocks of the metamorphosed Archean Rankin Inlet group and surrounding Archean metaplutonic rocks of the Churchill Structural Province (Hoffman, 1990). This tectonic province has seen very limited exploration for diamonds. The geology of the area is documented in reports and geological maps by Reinhardt and Chandler (1973), Tella and Annesley (1987), Tella *et al.* (1986, 1992, and 1993) and Armitage *et al.* (1993). The Archean Rankin Inlet group comprises metamorphosed and deformed sequences of mafic and felsic volcanics, interflow sediments, oxide-facies iron formation, and syn- to post-tectonic gabbro and granite intrusions. The stratigraphy is intruded by undeformed Proterozoic diabase and biotite lamprophyre dykes. The Rankin Inlet Group is overlain by Proterozoic metasediments of the Hurwitz Group. The Hurwitz Group outcrops

sporadically along the Rankin-Ennadai greenstone belt and is particularly voluminous towards the southwest. The metamorphic grade of the Rankin Inlet group is greenschist-facies and these rocks have been deformed during multiple deformation events during the Archean and the Proterozoic. Lithologies within the area have been deformed during two-phases of Archean deformation (Armitage *et al.*, 1993). First generation deformation structures are represented by development of an $F_1$ homocline that dips to the east-southeast. First generation structures were
refolded during $D_2$ deformation into a shallowly southeast plunging $F_2$ syncline (Tella *et al.*, 1986; Armitage *et al.*, 1993). Deformation during the Proterozoic led to the tectonic interleaving of Archean Rankin Inlet Group and Proterozoic Hurwitz Group supracrustal sequences. Associated with Proterozoic deformation was the development of the Pyke Fault, which may be an important structure controlling gold mineralization at Meliadine (Hausseux, 1990).

The Kaminak and Tavani regions of the Churchill Diamond Property (southwest) are underlain by the easterly part of the Rankin-Ennadai Greenstone Belt, which includes Archean rocks of the Kaminak Supergroup (Lewry *et al.*, 1985). The Kaminak group (Davidson, 1970) is comprised of deformed and metamorphosed volcanics, sediments and minor iron formation units and is unconformably overlain by the Hurwitz Group (Davies *et al.*, 1987). Together, the rocks of the Kaminak and Hurwitz Groups form two elongate northeasterly striking domains offset slightly by northwest trending dextral faults. The MacQuoid and Parker Lakes area lies within the Churchill-Hearne Province and is dominantly underlain by the east-northeast trending Archean Gibson-MacQuoid Lake supracrustal/greenstone belt. This volcanosedimentary sequence can be correlated structurally and lithologically with the Rankin-Ennadai belt to the south.

The Gibson-MacQuoid belt is dominated by interbedded metasedimentary and metavolcanics with lesser intermediate and felsic volcanic rocks and locally extensive oxide and silicate facies iron formation. The supracrustal rocks of this greenstone belt are bounded to the north and south by broad bands of granite and granite gneiss that have been intruded by alkali and granitic plutons (Hauseux, 1995). Numerous discontinuous, folded, ductile, high-strain zones, which display excellent mylonitic textures, are common. Low strain segments commonly separate high strain zones, a few metres to over hundreds of metres wide. Protoliths include deformed orthogneiss, migmatite, paragneiss and minor anorthosite, gabbro and several generations of metamafic and granite dykes.

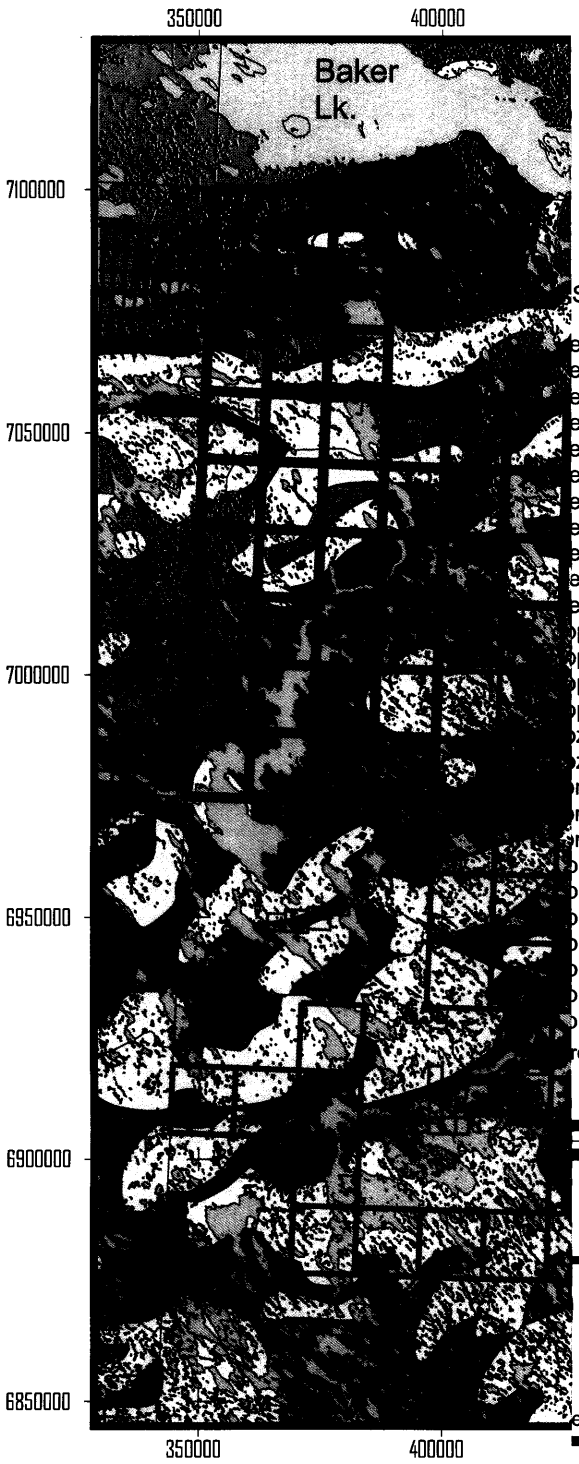
The ductile shear zones appear to have a complex deformational history of multiple periods of development, each punctuated by injection and metamorphism of the country rock and the subsequent mylonitization of different sets of mafic and granitic dykes. The age of deformation, metamorphism of the country rock and the subsequent development and folding of ductile strain zones are all believed to be Archean (Visagie, 2001). Several quartzdiorite to

granodiorite plutons are well exposed in the south central portion of the property. They are massive to weakly foliated but show well-developed migmatitic margins that contain abundant but discontinuous amphibolite layers up to 100 m wide.

Several undeformed granite plutons intrude the layered gneisses (Agn). The plutons range in composition from quartz-monzonite to granite. They are equigranular to massive pink to salmon coloured plutons that contain abundant inclusions and rafts of layered gneiss, paragneiss and metagabbro. Pegmatite and aplite dykes, related to the plutons are widespread throughout the region. The plutonic rocks are undeformed in the cores, but show a weak to well developed foliation at the margins. The abundance of inclusions of country rocks increases towards the margins of the plutons..."(Visagie, 2001).

The geology of surficial sediments underlying the Churchill Diamond Property has been outlined in studies by Shilts *et al.* (1979) and McMartin (2000). Glaciation associated with the Laurentide ice sheet, flowing in a southeasterly direction, deposited sandy till that contains a mixture of local and exotic debris within the region northeast of Rankin Inlet (McMartin, 2000). Glacial landforms within the area comprise streamlined landforms and ribbed or hummocky moraines that are predominantly composed of glacial till. Marine submergence, following deglaciation, resulted in the deposition of a thin, discontinuous sequence of marine sediments on top of the sandy glacial material. Glacial landforms and materials were reworked during submergence of the postglacial sea with local topographic depressions being filled by marine sands and silts and raised beaches of reworked till at higher elevations (40 to 60 m above sea level). McMartin (2000) indicates that ice flow indicators vary between 131 degrees in the Peter Lake map area (NTS 55N/2) to 147 degrees in the Scarab map sheet (NTS 55J/14).

McMartin (2000) also indicates that two older directions of ice-flow are existent within the area and may represent two phases of glaciation that are similar to those mapped in the Kivalliq Region (McMartin and Henderson, 1999). These older ice flow events have orientations of approximately 150 degrees and 117 degrees (McMartin, 2000). Given the similarity in ice flow orientation with that of the Laurentide ice sheet, it is not anticipated that the older generations of ice flow movement will greatly affect the design of regional till sampling programs or the interpretation of resultant diamond indicator mineral trends. McMartin (2000) indicates that geochemical sampling and clast composition analysis of till samples show that much of the till is composed of material sourced from local bedrock existent to the northwest of the sample sites. Marine reworking and redistribution of till is considered to be minimal (McMartin, 2000).




**Chesterfield Permits**

**Fish Camp Permits**

**Baker Permits**

**Prospecting Permits**

**Mineral Claims (Active, Pending, Leased)**

Simplified Geology

ean intrusive rocks
ean metamorphic rocks
ean sedimentary and volcanic rocks
ean sedimentary rocks
ean volcanic rocks
ean-Paleoproterozoic intrusive rocks
ean-Paleoproterozoic metamorphic rocks
ean-Paleoproterozoic sedimentary and volcanic rocks
ean-Paleoproterozoic sedimentary rocks
ean-Paleoproterozoic volcanic rocks
ean-Proterozoic sedimentary rocks
proterozoic intrusive rocks
proterozoic sedimentary rocks
proterozoic volcanic rocks
proterozoic-Neoproterozoic sedimentary rocks
zoic sedimentary rocks
zoic-Cenozoic sedimentary rocks
roterozoic intrusive rocks
roterozoic sedimentary rocks
roterozoic volcanic rocks
proterozoic intrusive rocks
proterozoic metamorphic rocks
proterozoic sedimentary and volcanic rocks
proterozoic sedimentary rocks
proterozoic volcanic rocks
proterozoic-Mesoproterozoic intrusive rocks
proterozoic-Mesoproterozoic sedimentary rocks
rom Wheeler, 1997.GSC MAP 1860A

0 60 Km

# Churchill Diamond Project 2004 Prospecting Permits

## Regional Geology of Prospecting Permits

er, 2005

1: 1 500 000
NAD 27 Zone 15

APEX Geoscience
Edmonton, Alberta

# 2004 EXPLORATION

## REGIONAL TILL SAMPLING

During the 2004 summer program a total of 518 till samples were collected from the Baker Lake prospecting permits (Appendix 1)

### TILL SAMPLING METHODOLOGY

Glacial till samples collected for the 2004 regional till sampling program on the Prospecting Permit parcel were collected mostly from active frost boils. Approximately 20 kilograms of material was collected from each sample site. The sample was then double bagged in a clear plastic bag and a rice bag, and then tied with plastic cable straps. A 40 cm length of wooden lath (1/4" by 2" spruce) marked with the sample identifier was placed in the ground at each sample site. A sample card was completed for each sample site/sample, which contains information specific to the sample medium, area, location, etc. A global position system (GPS) location was collected at each site in Universal Transverse Mercator Projection (UTM), North American Datum 1927, Zone 15 coordinates.

### SAMPLE SHIPMENT AND HANDLING

Till samples were cached in the field and then transported to Rankin Inlet by a tundra tire equipped twin otter fixed wing aircraft or helicopter, where they were palletised and crated for shipment by either a daily scheduled flight or barge. Samples transported by helicopter to Baker Lake with field crews were flown to Rankin using a twin otter fixed wing aircraft or a Pilatus (Kivalliq Air). Samples were shipped to the Saskatchewan Research Council for processing. Duplicate samples were shipped to Microlithics lab in Thunder Bay, Ontario for QC processing.

### TILL SAMPLE RESULTS

19 till samples were collected over prospecting permits covered in this report by BHP Billiton (BHPB) back in 2000. This information (sample locations, descriptions and geochemistry) was purchased from BHPB in 2004, and is presented in Appendix 1 and Figure 4

A total of 518 till samples (including 24 duplicates) were collected during the 2004 program (Appendix 1 and Figure 4) and 334 underwent ICP analysis (Appendix 3, Table 2).

## Table 2 Anomalous ICP Results

| Sample | Easting | Northing | Ag_ppm | Al2O3 wt% | As_ppm | Ba_ppm | Be_ppm | Bi_ppm | CaO wt% | Cd_ppm | Co_ppm | Cr_ppm | Cu_ppm | Fe2O3_wt% | K2O_wt% | MgO wt% | MnO_wt% | Mo_ppm | Na2O_wt% | Ni_ppm | P2O5_wt% | Pb_ppm | Sb_ppm | Sc_ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT572 | 394577 | 6977206 | 1.3 | 1 | 2 | 46 | 0.9 | 1 | 1 | <1 | 8 | 169 | 8 | 13 | 0 | 1 | 0 | 1 | 0 | 15 | 0 | 11 | 2 | 3 |
| 04JST508 | 359741 | 7037203 | <0.2 | 0 | 2 | 57 | <0.5 | <1 | 0 | <1 | 2 | 112 | 4 | 2 | 0 | 0 | 0 | 1 | 0 | 8 | 0 | 4 | <1 | 1 |
| 04SHT578 | 380763 | 6981061 | 0.2 | 1 | 3 | 57 | 0.5 | <1 | 1 | <1 | 4 | 209 | 4 | 3 | 0 | 1 | 0 | 1 | 0 | 14 | 0 | 6 | <1 | 2 |
| 04SHT579 | 377223 | 6980373 | <0.2 | 1 | 1 | 56 | <0.5 | <1 | 0 | <1 | 2 | 95 | 4 | 2 | 0 | 0 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | 1 |
| 04SHT402 | 377358 | 7098220 | <0.2 | 0 | 1 | 355 | <0.5 | <1 | 0 | <1 | 2 | 79 | 2 | 2 | 0 | 0 | 0 | <1 | 0 | 3 | 0 | 3 | <1 | <1 |
| 04SHT403 | 375189 | 7096559 | 0.8 | 1 | 2 | 50 | 0.5 | <1 | 0 | <1 | 5 | 111 | 3 | 8 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 10 | 2 | <1 |
| 04SHT568 | 389225 | 6982850 | 0.3 | 2 | 3 | 63 | 0.7 | 1 | 1 | <1 | 8 | 159 | 11 | 5 | 0 | 1 | 0 | 1 | 0 | 19 | 0 | 7 | <1 | 3 |
| 04SHT613 | 366133 | 6992703 | 0.4 | 2 | 2 | 94 | 0.6 | 2 | 1 | <1 | 9 | 191 | 7 | 5 | 0 | 1 | 0 | 2 | 0 | 21 | 0 | 7 | <1 | 4 |
| 04SHT407 | 360428 | 7099208 | 0.2 | 0 | 1 | 54 | <0.5 | <1 | 0 | <1 | 2 | 260 | 2 | 3 | 0 | 0 | 0 | 2 | 0 | 5 | 0 | 4 | <1 | <1 |
| Average of all Baker samples | | | <0.2 | 0.4 | 1 | 70 | <0.5 | <1 | 0 | <1 | 2 | 119 | 3 | 2 | 0 | 0 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | <1 |

| Sample | Easting | Northing | Sn_ppm | Sr_ppm | TiO2 wt% | V_ppm | W_ppm | Y_ppm | Zn_ppm | Zr_ppm |
|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT572 | 394577 | 6977206 | <1 | 34 | 0 | 170 | <1 | 9 | 53 | |
| 04JST508 | 359741 | 7037203 | 2 | 30 | 0 | 21 | <1 | 3 | 11 | 9 |
| 04SHT578 | 380763 | 6981061 | 1 | 35 | 0 | 45 | <1 | 5 | 39 | |
| 04SHT579 | 377223 | 6980373 | <1 | 28 | 0 | 21 | <1 | 4 | 13 | 6 |
| 04SHT402 | 377358 | 7098220 | 1 | 37 | 0 | 17 | <1 | 3 | 7 | 7 |
| 04SHT403 | 375189 | 7096559 | 1 | 44 | 0 | 94 | <1 | 3 | 24 | 11 |
| 04SHT568 | 389225 | 6982850 | 1 | 40 | 0 | 65 | <1 | 8 | 49 | |
| 04SHT613 | 366133 | 6992703 | 1 | 51 | 0 | 74 | <1 | 7 | 66 | |
| 04SHT407 | 360428 | 7099208 | <1 | 54 | 0 | 27 | 1 | 2 | 9 | 16 |
| Average of all Baker samples | | | <1 | 28 | 0 | 20 | <1 | 3 | 11 | 10 |

There were 310 kimberlite indicator minerals (KIM's) picked from 143 anomalous regional till samples (Appendix 6 and Figure 5). The total number of probe confirmed KIMs was 30 (Appendix 7,Table 3), with 144 grains from 79 samples remaining to be probed (olivines are not being analysed at this time).

## Table 3 Highlights of Confirmed KIMs

| Sample | Pyrope Garnet | Eclogitic Garnet | Chr. Diopside | Ilmenite | Chromite |
|---|---|---|---|---|---|
| 04JST412 | 0 | 0 | 0 | 0 | 1 |
| 04JST428 | 0 | 0 | 0 | 0 | 1 |
| 04JST437 | 0 | 0 | 0 | 0 | 1 |
| 04JST443 | 0 | 0 | 0 | 0 | 1 |
| 04JST448 | 0 | 0 | 0 | 0 | 1 |
| 04JST453 | 0 | 0 | 0 | 0 | 2 |
| 04JST474 | 0 | 0 | 0 | 0 | 1 |
| 04JST487 | 0 | 0 | 0 | 0 | 1 |
| 04JST504 | 1 | 0 | 0 | 0 | 0 |
| 04JST507 | 0 | 0 | 0 | 0 | 1 |
| 04JST514 | 0 | 0 | 0 | 0 | 1 |
| 04JST519 | 0 | 0 | 0 | 0 | 1 |
| 04JST549 | 0 | 0 | 0 | 0 | 1 |
| 04SHT413 | 0 | 1 | 0 | 0 | 0 |
| 04SHT417 | 0 | 0 | 0 | 0 | 1 |
| 04SHT427 | 0 | 0 | 0 | 0 | 1 |
| 04SHT469 | 0 | 3 | 0 | 0 | 0 |
| 04SHT476 | 0 | 0 | 0 | 0 | 1 |
| 04SHT483 | 1 | 0 | 0 | 0 | 0 |
| 04SHT487 | 0 | 1 | 0 | 0 | 0 |
| 04SHT491 | 0 | 0 | 0 | 0 | 1 |
| 04SHT507 | 0 | 1 | 0 | 0 | 0 |
| 04SHT527 | 0 | 0 | 0 | 0 | 3 |
| 04SHT528 | 0 | 0 | 0 | 0 | 1 |
| 04SHT540 | 0 | 0 | 0 | 0 | 1 |
| **Total (no Olivine)** | **2** | **6** | **0** | **0** | **22** |

## 2004 Expenditures

The cost to conduct the 2004 exploration program on the Churchill Property was $503,789.31. A detailed breakdown of the expenses is presented in Appendix 4a ,b and c.

## CONCLUSIONS AND RECOMMENDATION

A total of 518 till samples were collected from the Baker Lake prospecting permits. The Prospecting Permit parcel that is the subject of this report is at an early stage of exploration, and recommendations for further work include infill sampling and drift prospecting in areas with samples containing anomalous kimberlite indicator minerals, aided by a more detailed interpretation of the quaternary geology in these areas.. Geochemistry of outstanding samples remaining to be microprobed is required to identify any such area.

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Pamela Strand, M. Sc., P. Geol.

**APEX GEOSCIENCE LTD.**

John Armstrong, Ph.D., P.Geol.

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## CERTIFICATE OF AUTHOR

I, Pamela D. Strand, residing at 10828 – 126 Street, Edmonton, Alberta, Canada do hereby certify that:

1. I am the President and CEO and Director of Shear Minerals Ltd., Ste.220, 9797 – 45 Avenue, Edmonton, Alberta, Canada.

2. I am a graduate of the University of Toronto with a B. Sc., Degree in Geology (1988) and a graduate of the University of Western Ontario, London, Ontario with a M.Sc.in Geology (1993) and have practised my profession continuously since 1986.

3. I am a Professional Geologist registered with APEGGA (Association of Professional Engineers, Geologists and Geophysicists), and NAPEGG and a 'Qualified Person' in relation to the subject matter of this report. I am also the Responsible Member under Shear's Permit to Practice and Professional Practice Management Plan.

4. I have not received, nor do I expect to receive, any interest, directly or indirectly, in the Churchill Diamond Property.

5. I currently have an interest in Shear Minerals Ltd. in the form of securities and do not hold securities of Stornoway Diamond Corp. or BHP Billiton.

6. I am not aware of any material fact or material change with respect to the subject matter of the Report that is not reflected in the Report, or the omission to disclose which makes the Report misleading.

7. I have visited the properties that are the subject of this Report during summer 2003, and 2004.

8. I hereby consent to the use of this Report and my name in the preparation of a prospectus for the submission to any Provincial or Federal regulatory authority.

**PERMIT TO PRACTICE**
**SHEAR MINERALS LTD.**
Signature Pamela Strand
Date Oct 24/05
**PERMIT NUMBER: P 488**
The Association of Professional Engineers, Geologists and Geophysicists of the NWT / NU

Pamela Strand, M.Sc., P.Geol.
Edmonton, Alberta, Canada
October 2005

REGISTERED PROFESSIONAL GEOLOGIST
P.D. STRAND
LICENSEE
NWT/NU

## CERTIFICATE OF AUTHOR

I, John P. Armstrong, residing at 97 Lakewood Blvd, Beaumont, Alberta, Canada do hereby certify that:

1. I am an employee of APEX Geoscience Ltd. ("APEX"), Ste.200, 9797 – 45 Avenue, Edmonton, Alberta, Canada.

2. I graduated with a degree in Earth Sciences (H.B.Sc. Geology) from the University of Western Ontario, London in 1989, and graduated from the University of Western Ontario with a Ph.D. in 1997 and have practised my profession continuously since graduation.

3. I am a Professional Geologist registered with NAPEGG (Association of Professional Engineers, Geologists and Geophysicists), and a 'Qualified Person' in relation to the subject matter of this report.

4. I have not received, nor do I expect to receive, any interest, directly or indirectly, in the Churchill Diamond properties and do not hold securities of the Shear Minerals Ltd., Stornoway Diamond Corp. or BHP Billiton.

5. I am not aware of any material fact or material change with respect to the subject matter of the Report that is not reflected in the Report, or the omission to disclose which makes the Report misleading.

6. I have visited the properties that are the subject of this Report during summer 2004.

7. I hereby consent to the use of this Report and my name in the preparation of a prospectus, annual information filing or for the submission to any Provincial or Federal regulatory authority.

John Armstrong, Ph.D., P.Geol.
Edmonton, Alberta, Canada
October, 2005

## CERTIFICATE OF AUTHOR

I, Jennifer Burgess, residing at 5674 Annex Road, Sechelt, BC, Canada do hereby certify that:

1. I am principal of Burgess Diamonds and contracted as Project Manager to Shear Minerals Ltd., Ste.220, 9797 – 45 Avenue, Edmonton, Alberta, Canada.

2. I am a graduate of Queen's University in Kingston Ontario with a BSc.Hons., Degree in Geology (1992) and have practised my profession continuously since 1992.

3. I am a Professional Geologist registered with NAPEGG (L1070) and a 'Qualified Person' in relation to the subject matter of this report.

4. I have not received, nor do I expect to receive, any interest, directly or indirectly, in the Churchill Diamond Property.

5. I currently have an interest in Shear Minerals Ltd. in the form of securities and do not hold securities of Stornoway Diamond Corp. or BHP Billiton.

6. I am not aware of any material fact or material change with respect to the subject matter of the Report that is not reflected in the Report, or the omission to disclose which makes the Report misleading.

7. I have visited the properties that are the subject of this Report during summer 2004, and 2005.

8. I hereby consent to the use of this Report and my name in the preparation of a prospectus for the submission to any Provincial or Federal regulatory authority.

REGISTERED PROFESSIONAL GEOLOGIST
J.L. BURGESS
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Sechelt, BC, Canada
October, 2005

# APPENDIX 1

## Baker Prospecting Permit Till Samples

| BHPB Till Sample Data | | | Datum NAD 83 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SAMPLE | LONG | LAT | SampleType | Till Type | Standard | Clay | Silt | Sand | Gravel | Compaction | Texture |
| 00K477 | -95.02833 | 62.91898 | Till | blanket | No | 0 | 35 | 50 | 15 | tight | sand till; homogeneous |
| 00K499 | -95.43029 | 62.96733 | Till | veneer | No | 0 | 25 | 70 | 5 | tight | silty sand with clasts up to 25cm |
| 00KN028 | -95.36433 | 63.69763 | Esker | blanket | No | 0 | 40 | 55 | 5 | loose | medium to coarse sand; high silt content |
| 00KN029 | -95.52580 | 63.68565 | Esker | blanket | No | 0 | 0 | 90 | 10 | medium | well sorted medium sand with pebble cover |
| 00KN031 | -95.75454 | 63.64162 | Esker | n/a | No | 0 | 0 | 70 | 30 | medium | medium to coarse sand with pebble cover |
| 00KN032 | -95.90112 | 63.61372 | Esker | blanket | No | 0 | 15 | 25 | 60 | loose | very coarse sand to gravel; few fines; pebbles common to abundant |
| 00KN033 | -95.75444 | 63.64169 | Beach | veneer | No | 0 | 0 | 100 | 0 | loose | medium grained very well sorted sand;1 bag beach slope; 2 bag behind boulders on beac |
| 00KN227 | -94.53886 | 63.44095 | Esker | o/c and till | No | 0 | 30 | 40 | 30 | loose | coarse grained moderately sorted; many cobbles |
| 00KN228 | -94.68765 | 63.42423 | Beach | n/a | No | 0 | 0 | 99 | 1 | loose | well sorted sand with concentrations of coarse and fine sand |
| 00KN229 | -94.82645 | 63.39884 | Esker | o/c and till | No | 0 | 10 | 60 | 30 | loose | coarse grained moderately sorted |
| 00KN230 | -94.96476 | 63.36972 | Esker | n/a | Tracer Beads | 0 | 5 | 65 | 30 | n/a | pebbly surface with boulder/cobble cover; medium to coarse sand |
| 00KN231 | -95.12448 | 63.34239 | Esker | o/c and till | No | 0 | 10 | 30 | 60 | medium | pebble rich; firmly compacted; clasts subangular to angular |
| 00KN232 | -95.24419 | 63.32357 | Esker | n/a | No | 0 | 0 | 65 | 35 | medium | sandy gravel with subrounded to rounded clasts |
| 00KN233 | -95.37692 | 63.29406 | Esker | o/c and till | No | 0 | 20 | 60 | 20 | loose | moderately sorted numerous surface cobbles |
| 00KN234 | -95.51198 | 63.26901 | Esker | n/a | No | 0 | 0 | 90 | 10 | n/a | sorted medium sand with moderate subrounded to subangular pebble coverage |
| 00KN235 | -95.63386 | 63.24186 | Till | o/c and till | No | 10 | 60 | 20 | 10 | tight | silty till |
| 00KN236 | -95.77516 | 63.22057 | Esker | n/a | No | 0 | 0 | 50 | 50 | medium | sorted medium to coarse sand with pebbly coverage |
| 00KN237 | -95.87435 | 63.18964 | Esker | o/c and till | Tracer Beads | 0 | 25 | 40 | 35 | loose | numerous angular to subangular pebbles and cobbles |

**BHPB Till**

| SAMPLE | Clasts | Moisture | Colour | Site Description | Comments |
|---|---|---|---|---|---|
| 00K477 | n/a | wet | dark beige | frost boil on flat area with boulders | n/a |
| 00K499 | 100%granitic | damp | grey | 5m diameter frost boil | frost boil with angular boulders on the perimeter; surrounding is green moss; boulders and small bushe |
| 00KN028 | n/a | damp | orange brown | esker on lakeshore; beach reworking | outwash from esker; reworked on lakeshore; no local outcrop |
| 00KN029 | n/a | dry | n/a | flattened esker | sample taken on escarpment above stream along margin of trunk esker |
| 00KN031 | n/a | dry | n/a | glaciofluvial (esker?) | bedrock/esker topographic high |
| 00KN032 | as before | dry | brown | flat esker fragment | esker on outcrop mound; low relief area; high organic content |
| 00KN033 | n/a | dry | n/a | beach | small embankment with extensive beach development; bedrock with k-spar; sericite alteration |
| 00KN227 | 50%sandstone;subangular;2-10cm; dark pink; minor conglomerates; angular; 2cm;brown | dry | light brown | esker fragment; regionally extensive | fragments of conglomerate- red-brown; fine grained matrix with clasts of dark brown fine grained mate |
| 00KN228 | n/a | dry | n/a | beach on island | n/c |
| 00KN229 | 40%pinksandstone;subangular;<5cm;dark pink; minor conglomerate; subangular;<5cm;rusty brown | dry | light brown | section on regionally extensive esker | no boulders or cobbles; little silt |
| 00KN230 | n/a | dry | n/a | long sinuous 105km esker | sample spiked with tracer beads; 4coarse; 3fine; red sandstone pebbles; dubbant porphyry and sands |
| 00KN231 | 40%pink sandstone;subangular;2-5cm;dark pink; 10%conglomerate;subangular to angular;2-3cm;dark red/pink | dry | brown | esker fragment~2km long | few fines; organic rich; pebbles uniform size range 1-5cm |
| 00KN232 | n/a | dry | n/a | pebble covered broadly rounded esker with | significant % of red sandstone pebbles |
| 00KN233 | 50+%pink sandstone;subangular;2-15cm;dark pink | dry | brown | esker fragment; on shore of lake | organic rich; esker continues to southeast of small lake; local bedrock; gneiss (1:1 felsic/mafic) with n. |
| 00KN234 | n/a | dry | n/a | kame with protruding lobate terraces | lacking boulders/ low pebble content on surface; very huge structure |
| 00KN235 | n/a | dry | light brown | low mound in small river? | half of sample was sifted and the other half straight bagged |
| 00KN236 | n/a | dry | n/a | broadly flattened esker | boulders on margin; some red sandstone |
| 00KN237 | 40%pink sandstone;subangular;2+cm;dark pink; minor conglomerate;subangular;2+cm;purple matrix white clasts | dry | light brown-pink | esker fragment ~300m long | sample spiked with tracer beads; 4coarse; 3fine; noticeably fewer sandstone clasts; more conglomers |

| BHPB Till | |
|---|---|
| SAMPLE | |
| | |
| 00K477 | |
| 00K499 | s |
| 00KN028 | |
| 00KN029 | |
| 00KN031 | |
| 00KN032 | |
| 00KN033 | |
| 00KN227 | rial (sandstone); most large cobbles sandstone |
| 00KN228 | |
| 00KN229 | |
| 00KN230 | tone |
| 00KN231 | |
| 00KN232 | |
| 00KN233 | arrow (10-20m wide with narrow;1km long); diabase dykes trending west-northwest |
| 00KN234 | |
| 00KN235 | |
| 00KN236 | |
| 00KN237 | ites |

| Sample | Easting | Northing | Year | Type | Gravel | Sand | Silt | Clay | Organics | Colour | Duplicate | COMMENTS | Sampler | DATE_ | RELIEF | MOISTURE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST375 | 405253 | 7097172 | 2004 | Frost Boil | 5 | 55 | 25 | 15 | | Brown | No | "frost boil, TM, clasts felsic pebbles ang-subrounded, flat area (also shell fragments present in sample), boulders subrounded, 5 C / 95 M" | JK/IE | 7/12/2004 | low | mst |
| 04JST376 | 409856 | 7095225 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, TM, clasts felsic pebbles ang-subang, boulders subang-subrounded, flat area ,15 C / 85 M" | JK/IE | 7/12/2004 | low | mst |
| 04JST377 | 413929 | 7096998 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | Brown | No | "frost boil, TM, clasts felsic pebbles A-SA, 10 C / 90 M, boulders SR, flat area" | JK/IE | 7/12/2004 | low | mst |
| 04JST378 | 412343 | 7092715 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, TM, clasts felsic pebbles ang-subang, boulders (none seen), flat area, 20 C / 80 M" | JK/IE | 7/12/2004 | low | mst |
| 04JST379 | 409905 | 7091336 | 2004 | Frost Boil | 20 | 60 | 15 | 5 | | Brown | No | "frost boil, TM, 20 C / 80 M, clasts felsic pebbles ang-subang (A-SA), boulders A-SR, reworked till blanket 200 m away from rocky hill" | JK/IE | 7/12/2004 | low | mst |
| 04JST380 | 406547 | 7091269 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, TM, 15 C / 85 M, clasts felsic pebbles A-SA, boulders SR, flat area, vesicular txt" | JK/IE | 7/12/2004 | low | mst |
| 04JST380D | 406547 | 7091269 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | Yes | "frost boil, TM, 15 C / 85 M, clasts felsic pebbles A-SA, boulders SR, flat area, vesicular txt" | JK/IE | 7/12/2004 | low | mst |
| 04JST381 | 403704 | 7090720 | 2004 | Frost Boil | 20 | 70 | 10 | 0 | | Brown | No | "frost boil, TM, very sandy, 20 C/ 80 M, clasts felsic pebbles A-SR, boulders SA-SR, flat area" | JK/IE | 7/12/2004 | low | mst |
| 04JST382 | 405835 | 7088238 | 2004 | Frost Boil | 20 | 60 | 10 | 10 | | Brown | No | "frost boil, TM, 20 C/ 80 M, boulders SA-SR, flat area, clasts felsic pebbles A-SA" | JK/IE | 7/12/2004 | low | mst |
| 04JST383 | 407148 | 7086110 | 2004 | Frost Boil | 10 | 70 | 15 | 5 | | Brown | No | "frost boil, TM, 10 C / 90 M, clasts felsic pebbles A-SA, boulders A-SR, flat area" | JK/IE | 7/12/2004 | low | mst |
| 04JST384 | 411098 | 7087432 | 2004 | Frost Boil | 15 | 65 | 10 | 10 | | Brown | No | "frost boil, TM, 15 C / 85 M, clasts felsic pebbles A-SA, boulders SA-SR" | JK/IE | 7/12/2004 | low | mst |
| 04JST385 | 412540 | 7085124 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, TM, clasts felsic pebbles A-SA, boulders A-SR, flat area, 15 C / 85 M" | JK/IE | 7/12/2004 | low | mst |
| 04JST386 | 402885 | 7084826 | 2004 | Frost Boil | 10 | 65 | 15 | 10 | | Brown | No | "frost boil, TM, clasts shell fragments and felsic pebbles A-SA, boulders A-SR, flat rocky area, 10 C / 90 M" | JK/IE | 7/12/2004 | low | mst |
| 04JST387 | 391919 | 7096706 | 2004 | Frost Boil | 10 | 70 | 15 | 5 | | Brown | No | "frost boil, compact, vesicular txt, 10 C / 90 M, clasts felsic pebbles ang-subang, boulders ang-subrounded, flat area, TM" | JK/IE | 7/12/2004 | low | mst |
| 04JST388 | 396038 | 7096734 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | Brown | No | "frost boil, 10 C / 90 M, clasts felsic pebbles A-SA, boulders SA, flat area, T" | JK/IE | 7/12/2004 | low | mst |
| 04JST389 | 401248 | 7097400 | 2004 | Frost Boil | 15 | 65 | 10 | 10 | | Brown | No | "frost boil, TM, clasts felsic (and mafic?) pebbles + cobble A-SA, boulders SA-SR, flat area, 15 C/ 85 M" | JK/IE | 7/12/2004 | low | mst |
| 04JST390 | 406268 | 7095121 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, TM, 25 C / 75 M, clasts felsic pebbles A-SR, boulders (rare) SR-SA, flat area" | JK/IE | 7/12/2004 | low | mst |
| 04JST391 | 400934 | 7095286 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, TM, 20 C / 80 M, clasts A-SA, boulders (rare) SR, flat area" | JK/IE | 7/12/2004 | low | mst |
| 04JST392 | 401075 | 7093190 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, TM, 20 C / 80 M, clasts A-SA, boulders (rare) SA, flat area" | JK/IE | 7/12/2004 | low | mst |
| 04JST393 | 397966 | 7092641 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | grey/brn | No | "frost boil, TM, clasts A-SA, boulders SR, 15 C / 85 M, sandy area" | JK/IE | 7/12/2004 | low | mst |
| 04JST394 | 394959 | 7092909 | 2004 | Frost Boil | 10 | 65 | 15 | 10 | | grey/brn | No | "frost boil, TM, clasts A-SA, boulders SA-SR, hilly area (low relief), 10 C / 90 M" | JK/IE | 7/12/2004 | low | mst |
| 04JST395 | 392285 | 7091990 | 2004 | Frost Boil | 20 | 60 | 15 | 5 | | Brown | No | "frost boil, vesicular txt, clasts A-SA, boulders SA-SR, flat area, 20 C / 80 M, TM" | JK/IE | 7/12/2004 | low | mst |
| 04JST396 | 396780 | 7090683 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, TM, 15 C / 85 M, clasts ang-subang, boulders SA-SR, flat area" | JK/IE | 7/12/2004 | low | mst |
| 04JST397 | 400236 | 7087311 | 2004 | Frost Boil | 20 | 55 | 15 | 10 | | Brown | No | "frost boil, TM, clasts A-SA, boulders SA-SR, local high, sandy area, 20 C / 80 M" | JK/IE | 7/12/2004 | low | mst |
| 04JST398 | 397646 | 7086418 | 2004 | Frost Boil | 25 | 65 | 10 | 0 | | Brown | No | "frost boil, TM, clasts A-SA, boulders (very rare) A-SR, 25 C / 75 M" | JK/IE | 7/12/2004 | low | mst |
| 04JST399 | 394220 | 7088380 | 2004 | Frost Boil | 20 | 60 | 15 | 5 | | Brown | No | "frost boil, TM, clasts A-SA, boulders (rare) SA-SR, flat area, 20 C / 80 M" | JK/IE | 7/12/2004 | low | mst |
| 04JST400 | 389329 | 7086683 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | grey/brn | No | "frost boil, TM, clasts A-SA, boulders SA-SR, flat area near lake, 20 C / 80 M" | JK/IE | 7/12/2004 | low | mst |
| 04JST400D | 389329 | 7086683 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | grey/brn | Yes | "frost boil, TM, clasts A-SA, boulders SA-SR, flat area near lake, 20 C / 80 M" | JK/IE | 7/12/2004 | low | mst |
| 04JST401 | 382238 | 7098228 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | grey | No | "frost boil, TM, clasts pebbles A-SA, boulders SA-SR, sample 30 m from lake, 10 C/ 90 M" | JK/IE | 7/12/2004 | low | mst |
| 04JST402 | 385456 | 7096003 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, TM, clasts pebbles + cobble A-SA, boulders SA-SR, flat area near lakes, 15 C/ 85 M" | JK/IE | 7/12/2004 | low | mst |
| 04JST403 | 389082 | 7097427 | 2004 | Frost Boil | 15 | 60 | 15 | 10 | | Brown | No | "frost boil, TM, clasts A-SA, boulders (rare) SR, flat area, 15 C / 85 M" | JK/IE | 7/12/2004 | low | mst |
| 04JST404 | 389320 | 7095426 | 2004 | Frost Boil | 15 | 65 | 10 | 10 | | Brown | No | "frost boil, TM, clasts A-SA, boulders (none seen), 15 C / 85 M" | JK/IE | 7/12/2004 | low | mst |
| 04JST405 | 388192 | 7089894 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | grey | No | "frost boil, TM, 15 C/85 M, clasts A-SA, boulders A-SA, bedrock 5 m away" | JK/IE | 7/12/2004 | low | mst |
| 04JST406 | 384778 | 7087871 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, TM, 15 C/ 85 M, clasts A-SR, boulders (rare) SR, flat area" | JK/IE | 7/12/2004 | low | mst |
| 04JST407 | 380989 | 7087865 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SA, boulders (rare) SA-SR, 15 C / 85 M, local high" | JK/IE | 7/12/2004 | low | mst |
| 04JST408 | 378790 | 7090310 | 2004 | Frost Boil | 15 | 60 | 10 | 15 | | Brown | No | "frost boil, T, 15 C / 85 M, clay lenses, clasts A-SR (pebbles + cobble), sample from relatively high area, till shelf, bedrock 5 m away" | JK/IE | 7/12/2004 | med | mst |
| 04JST409 | 380073 | 7091893 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, 25 C/ 75 M, clasts A-SR, boulders SA, bedrock 20 m away, TM" | JK/IE | 7/12/2004 | med | mst |
| 04JST410 | 383414 | 7092188 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, TM, clasts A-SA, boulders SA-SR, rocky area, 20 C / 80 M" | JK/IE | 7/12/2004 | med | mst |
| 04JST411 | 379693 | 7094328 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, TM, clasts A-SR, boulders A-SA, 25 C / 75 M, sample from relatively high area" | JK/IE | 7/12/2004 | med | mst |
| 04JST412 | 413888 | 7026021 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | Brown | No | "frost boil, TM, clasts SA-SR, boulders A-SA, flat area 50 m from bedrock, reworked till blanket, 10 C/ 90 M" | JK/IE | 7/13/2004 | low | mst |
| 04JST413 | 415038 | 7022174 | 2004 | Frost Boil | 5 | 70 | 15 | 10 | | Brown | No | "frost boil, T, 5 C / 95 M, clasts A-SR, boulders (none seen), flat area" | JK/IE | 7/13/2004 | low | mst |
| 04JST414 | 418322 | 7022905 | 2004 | Frost Boil | 15 | 60 | 15 | 10 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SR, boulders SA, flat area" | JK/IE | 7/13/2004 | low | mst |
| 04JST415 | 416059 | 7019527 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, TM, clasts ang-subrounded, 15 C / 85 M, boulders A-SR, hummocky area near lake" | JK/IE | 7/13/2004 | low | mst |
| 04JST416 | 415319 | 7016095 | 2004 | Frost Boil | 15 | 50 | 30 | 5 | | Brown | No | "frost boil, TM, very silty, 15 C / 85 M, clasts A-SR, boulders A-SR, reworked till shelf 30 m from lake" | JK/IE | 7/13/2004 | low | mst |
| 04JST417 | 419993 | 7015290 | 2004 | Frost Boil | 20 | 70 | 5 | 5 | | Brown | No | "frost boil, TM, sandy, 20 C / 80 M, clasts A-SR, boulders A-SR, rocky area" | JK/IE | 7/13/2004 | low | mst |
| 04JST418 | 419812 | 7019074 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | grey/brn | No | "frost boil, TM, 10 C / 90 M, clasts A-SR, boulders SA-SR, reworked till shelf?" | JK/IE | 7/13/2004 | low | mst |
| 04JST419 | 422301 | 7019281 | 2004 | Frost Boil | 20 | 70 | 5 | 5 | | Brown | No | "frost boil, TM, 20 C / 80 M, clasts A-SR, boulders A-SR, sample from local high (rocky)" | JK/IE | 7/13/2004 | low | mst |
| 04JST420 | 423604 | 7016891 | 2004 | Frost Boil | 15 | 75 | 10 | 0 | | Brown | No | "frost boil, TM, sandy, 15 C / 85 M, clasts A-SR, boulders SA-SR, local high" | JK/IE | 7/13/2004 | low | mst |
| 04JST420D | 423604 | 7016891 | 2004 | Frost Boil | 15 | 75 | 10 | 0 | | Brown | Yes | "frost boil, TM, sandy, 15 C / 85 M, clasts A-SR, boulders SA-SR, local high" | JK/IE | 7/13/2004 | low | mst |
| 04JST421 | 423783 | 7020081 | 2004 | Frost Boil | 10 | 80 | 5 | 5 | | Brown | No | "frost boil, 10 C/ 90 M, T, clasts A-SA, boulders A-SA, till blanket" | JK/IE | 7/13/2004 | low | mst |
| 04JST422 | 422382 | 7023352 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SA, boulders A-SA, hummocky area, till blanket" | JK/IE | 7/13/2004 | low | mst |
| 04JST423 | 422468 | 7027257 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SR, boulders SA, 10 C / 90 M, flat area" | JK/IE | 7/13/2004 | low | mst |
| 04JST424 | 420121 | 7026562 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | Brown | No | "frost boil, T, 10 C / 90 M, clasts A-SA, boulders A-SA, hummocky area, local high, till blanket" | JK/IE | 7/13/2004 | low | mst |
| 04JST425 | 401346 | 7024404 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SR, boulders A-SA, till shelf, bedrock 20 m from sample" | JK/IE | 7/13/2004 | low | mst |
| 04JST426 | 403403 | 7025808 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | | Brown | No | "frost boil, TM, 5 C / 95 M, clasts SA-SR, boulders (rare) SA, sandy sample" | JK/IE | 7/13/2004 | low | mst |
| 04JST427 | 406632 | 7026557 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SR, boulders A-SA, till pocket in rocky area" | JK/IE | 7/13/2004 | low | mst |
| 04JST428 | 412326 | 7027812 | 2004 | Frost Boil | 20 | 55 | 20 | 5 | | Brown | No | "frost boil, TM, clasts A-SR, 20 C / 80 M, boulders (none seen), flat area" | JK/IE | 7/13/2004 | low | mst |
| 04JST429 | 410706 | 7025290 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, TM, 20 C / 80 M, clasts A-SR, boulders (rare) SA, reworked till blanket" | JK/IE | 7/13/2004 | low | mst |
| 04JST430 | 407911 | 7022976 | 2004 | Frost Boil | 0 | 75 | 15 | 10 | | grey/brn | No | "frost boil, TM, very sandy (fine), overall very sandy area, boulders SA" | JK/IE | 7/13/2004 | low | mst |
| 04JST431 | 410461 | 7020669 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | Brown | No | "frost boil, TM, clasts A-SA, 10 C / 90 M, sample 70 m north of esker, boulders A-SA" | JK/IE | 7/13/2004 | low | mst |

| Sample | Easting | Northing | Year | Type | Gravel | Sand | Silt | Clay | Organics | Colour | Duplicate | COMMENTS | Sampler | DATE_ | RELIEF | MOISTURE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST432 | 408324 | 7017997 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, clasts A-SR, 15 C / 85 M, boulders A-SA, till veneer on very rocky area (lots of bedrock too)" | JK/IE | 7/13/2004 | low | mst |
| 04JST433 | 405502 | 7021257 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, TM, 25 C/ 75 M, clasts A-SR, boulders A-SA, rocky area" | JK/IE | 7/13/2004 | low | mst |
| 04JST434 | 406033 | 7016656 | 2004 | Frost Boil | 5 | 80 | 15 | 0 | | grey/brn | No | "frost boil, TM, 5 C / 95 M, clasts SA-SR, boulders A-SA, very rocky area" | JK/IE | 7/13/2004 | low | mst |
| 04JST435 | 400766 | 7017254 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SR, 15 C / 85 M, boulders A-SA, till veneer in rocky area, relatively high area, bedrock 30 m away" | JK/IE | 7/13/2004 | low | mst |
| 04JST436 | 402926 | 7020116 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, TM, 20 C / 80 M, clasts A-SA, boulders A-SA, sample from rocky island" | JK/IE | 7/13/2004 | low | mst |
| 04JST437 | 416406 | 7041424 | 2004 | Frost Boil | 20 | 60 | 10 | 10 | | Brown | No | "frost boil, sandy, TM, 20 C / 80 M, clasts A-SA, boulders (rare) SA-SR, flat hummocky area" | JK/IE | 7/13/2004 | low | mst |
| 04JST438 | 418257 | 7040020 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, 20 C / 80 M, clasts A-SA, boulders A-SA, rocky area, till blanket" | JK/IE | 7/13/2004 | low | mst |
| 04JST439 | 422242 | 7039048 | 2004 | Frost Boil | 15 | 75 | 5 | 5 | | Brown | No | "frost boil, TM, clasts A-SA, boulders (rare) SA, flat hummocky area, reworked till blanket, 15 C / 85 M" | JK/IE | 7/13/2004 | low | mst |
| 04JST440 | 424139 | 7037548 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, TM, 25 C / 75 M, clasts A-SR, boulders A-SA, hummocky area, reworked till veneer, bedrock 100 m away" | JK/IE | 7/13/2004 | low | mst |
| 04JST440D | 424139 | 7037548 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | Yes | "frost boil, TM, 25 C / 75 M, clasts A-SR, boulders A-SA, hummocky area, reworked till veneer, bedrock 100 m away" | JK/IE | 7/13/2004 | low | mst |
| 04JST441 | 420387 | 7035246 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, till pocket on bedrock, T, clasts A-SA, boulders A-SA, very rocky area, 15 C / 85 M" | JK/IE | 7/13/2004 | low | mst |
| 04JST442 | 354522 | 7071209 | 2004 | Frost Boil | 25 | 65 | 10 | 0 | | Brown | No | "frost boil, TM, 25 C/ 75 M, clasts A-SR, boulders SA-SR, sandy area" | JK/IE | 7/14/2004 | low | mst |
| 04JST443 | 356617 | 7071805 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | | Brown | No | "frost boil, TM, very sandy, 15 C / 85 M, clasts A-SR, boulders (none seen), very flat area " | JK/IE | 7/14/2004 | low | mst |
| 04JST444 | 362494 | 7070878 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | Brown | No | "frost boil, TM, clasts A-SR, 10 C / 90 M, boulders A-SR" | JK/IE | 7/14/2004 | low | mst |
| 04JST445 | 362511 | 7065876 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SA, 10 C / 90 M, till blanket" | JK/IE | 7/14/2004 | low | mst |
| 04JST446 | 361412 | 7067174 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, TM, clasts A-SR, boulders (none seen), sample 60 m from river, 25 C / 75 M" | JK/IE | 7/14/2004 | low | mst |
| 04JST447 | 358947 | 7068450 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, clasts SA, boulders SA-SR, 15 C / 85 M, sample 150 m from bedrock and waterfalls" | JK/IE | 7/14/2004 | low | mst |
| 04JST448 | 358882 | 7065983 | 2004 | Frost Boil | 25 | 65 | 10 | 0 | | Brown | No | "frost boil, TM, clasts A-SA, 25 C / 75 M, boulders A (angular), sample 10 m from bedrock" | JK/IE | 7/14/2004 | low | mst |
| 04JST449 | 353940 | 7066033 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SR, 15 C / 85 M, boulders SA, hummocky area" | JK/IE | 7/14/2004 | low | mst |
| 04JST450 | 353829 | 7060319 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, TM, 25 C / 75 M, clasts A-SR, boulders A-SA, hummocky area, reworked till blanket" | JK/IE | 7/14/2004 | low | mst |
| 04JST451 | 356640 | 7059077 | 2004 | Frost Boil | 30 | 50 | 10 | 10 | | Brown | No | "frost boil, TM, 30 C / 70 M, clasts SA-SR, boulders SA-SR (rare), sample 50 m behind raised beach or esker" | JK/IE | 7/14/2004 | low | mst |
| 04JST452 | 356719 | 7061623 | 2004 | Frost Boil | 30 | 50 | 10 | 10 | | Brown | No | "frost boil, TM, 30 C/ 70 M, clasts A-SR, boulders A-SA, reworked till blanket" | JK/IE | 7/14/2004 | low | mst |
| 04JST453 | 360081 | 7061451 | 2004 | Frost Boil | 30 | 55 | 10 | 5 | | Brown | No | "frost boil, TM, clasts A-SR, 30 C/ 70 M, boulders (none seen), till blanket (reworked)" | JK/IE | 7/14/2004 | low | mst |
| 04JST454 | 364944 | 7062553 | 2004 | Frost Boil | 20 | 60 | 15 | 5 | | Brown | No | "frost boil, T, clasts A-SR, 20 C / 80 M, boulders (rare) SA, bedrock 70 m away" | JK/IE | 7/14/2004 | low | mst |
| 04JST455 | 369282 | 7058999 | 2004 | Frost Boil | 15 | 75 | 10 | 0 | | Brown | No | "frost boil, TM, 15 C / 85 M, clasts A-SR, boulders (rare) A-SA, bedrock 100 m away" | JK/IE | 7/14/2004 | low | mst |
| 04JST456 | 367327 | 7059368 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SR, boulders SA, 10 C / 90 M, till blanket on top of local high" | JK/IE | 7/14/2004 | low | mst |
| 04JST457 | 367234 | 7063696 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, clasts A-SR, boulders SA-SR, till shelf, 15 C / 85 M" | JK/IE | 7/14/2004 | low | mst |
| 04JST458 | 366555 | 7071078 | 2004 | Frost Boil | 5 | 75 | 15 | 5 | | grey/brn | No | "frost boil, TM, 5 C / 95 M, clasts A-SA, boulders SA" | JK/IE | 7/14/2004 | low | mst |
| 04JST459 | 370354 | 7069562 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SA, 20 C / 80 M, boulders A-SA, very rocky area, till veneer 30 m from bedrock" | JK/IE | 7/14/2004 | low | mst |
| 04JST460 | 374453 | 7070244 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, TM, clasts A-SA, 20 C / 80 M, boulders A-SA, reworked till veneer in rocky area" | JK/IE | 7/14/2004 | med | mst |
| 04JST460D | 374453 | 7070244 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | Yes | "frost boil, TM, clasts A-SA, 20 C / 80 M, boulders A-SA, reworked till veneer in rocky area" | JK/IE | 7/14/2004 | low | mst |
| 04JST461 | 369949 | 7065781 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SR, 15 C / 85 M, boulders (none seen), hummocky area" | JK/IE | 7/14/2004 | low | mst |
| 04JST462 | 372556 | 7064769 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, 15 C/ 85 M, clasts A-SA, boulders SA, sample 60 m from large esker and 20 m from bedrock, till veneer" | JK/IE | 7/14/2004 | low | mst |
| 04JST463 | 372761 | 7061573 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, TM, 20 C / 80 M, clasts A-SA, boulders (rare) SA " | JK/IE | 7/14/2004 | low | mst |
| 04JST464 | 375353 | 7059964 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SA, boulders A-SR, till pocket on top of rocky hill" | JK/IE | 7/14/2004 | med | mst |
| 04JST465 | 377830 | 7060342 | 2004 | Frost Boil | 25 | 55 | 10 | 10 | | Brown | No | "frost boil, TM, 25 C / 75 M, clasts A-SR, boulders (none seen), hummocky area" | JK/IE | 7/14/2004 | low | mst |
| 04JST466 | 383174 | 7058764 | 2004 | Frost Boil | 20 | 60 | 15 | 5 | | Brown | No | "frost boil, TM, 20 C/ 80 M, clasts A-SR, boulders (none seen), flat area" | JK/IE | 7/14/2004 | low | mst |
| 04JST467 | 386194 | 7058958 | 2004 | Frost Boil | 20 | 75 | 5 | 0 | | Brown | No | "frost boil, TM, 20 C / 80 M, clasts A-SR, boulders A-SR, sample from reworked till veneer on top of rocky hill, bedrock 60 m away" | JK/IE | 7/14/2004 | low | mst |
| 04JST468 | 386862 | 7062345 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, 20 C/ 80 M, clasts A-SA, boulders SA-SR, bedrock 30 m away" | JK/IE | 7/14/2004 | low | mst |
| 04JST469 | 379529 | 7070658 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, TM, 20 C / 80 M, clasts A-SA, boulders A-SA, sandy area" | JK/IE | 7/14/2004 | low | mst |
| 04JST470 | 384430 | 7069265 | 2004 | Frost Boil | 15 | 55 | 20 | 10 | | Brown | No | "frost boil, TM, 15 C / 85 M, very silty, clasts A-SA, boulders (none seen)" | JK/IE | 7/14/2004 | low | mst |
| 04JST471 | 388091 | 7067867 | 2004 | Frost Boil | 15 | 75 | 5 | 5 | | Brown | No | "frost boil, TM, reworked till blanket, 15 C / 85 M, clasts A-SR, boulders A-SR" | JK/IE | 7/14/2004 | low | mst |
| 04JST472 | 385886 | 7064527 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, clasts A-SR, 15 C / 85 M, boulders A-SR, till blanket" | JK/IE | 7/14/2004 | low | mst |
| 04JST473 | 382718 | 7062730 | 2004 | Frost Boil | 30 | 55 | 10 | 5 | | Brown | No | "frost boil, TM, 30 C / 70 M, clasts A-SR, boulders A-SA, rocky area, sample 100 m from esker" | JK/IE | 7/14/2004 | low | mst |
| 04JST474 | 379649 | 7064020 | 2004 | Frost Boil | 35 | 50 | 10 | 5 | | Brown | No | "frost boil, TM, 35 C / 65 M, clasts A-SR, boulders A-SA, rocky area" | JK/IE | 7/14/2004 | low | mst |
| 04JST475 | 377291 | 7065225 | 2004 | Frost Boil | 5 | 70 | 20 | 5 | | brn/grey | No | "frost boil, TM, 5 C / 95 M, clasts A-SA, boulders (none seen)" | JK/IE | 7/14/2004 | low | mst |
| 04JST476 | 380328 | 7067142 | 2004 | Frost Boil | 5 | 65 | 25 | 5 | | Brown | No | "frost boil, 5 C / 95 M, clasts A-SA, boulders SA-SR, TM" | JK/IE | 7/14/2004 | low | mst |
| 04JST477 | 389877 | 7054786 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SA, boulders A-SA, 10 C / 90 M, till shelf, bedrock 10 m away" | JK/IE | 7/15/2004 | low | mst |
| 04JST478 | 395259 | 7056637 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, TM, 25 C/ 75 M, clasts A-SR, boulders (none seen)" | JK/IE | 7/15/2004 | low | mst |
| 04JST479 | 394605 | 7054007 | 2004 | Frost Boil | 5 | 75 | 15 | 5 | | Brown | No | "frost boil, TM, 5 C / 95 M, clasts A-SA, boulders A (angular), sample 20 m from esker" | JK/IE | 7/15/2004 | low | mst |
| 04JST480 | 398232 | 7052980 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SA, 20 C / 80 M, boulders (none seen), till blanket, very flat area" | JK/IE | 7/15/2004 | low | mst |
| 04JST480D | 398232 | 7052980 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | Yes | "frost boil, T, clasts A-SA, 20 C / 80 M, boulders (none seen), till blanket, very flat area" | JK/IE | 7/15/2004 | low | mst |
| 04JST481 | 398385 | 7050376 | 2004 | Frost Boil | 25 | 65 | 10 | 0 | | Brown | No | "frost boil, TM, clasts A-SA, 25 C/ 75 M, boulders A-SR, rocky area, hummocky " | JK/IE | 7/15/2004 | low | mst |
| 04JST482 | 393796 | 7050539 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, TM, 20 C / 80 M, clasts A-SA, boulders A-SA, hummocky area, reworked till blanket" | JK/IE | 7/15/2004 | low | mst |
| 04JST483 | 390966 | 7050060 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, TM, 25 C / 75 M, clasts A-SA, boulders (none seen)" | JK/IE | 7/15/2004 | low | mst |
| 04JST484 | 352306 | 7056629 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, TM, 25 C / 75 M, clasts A-SR, boulders A-SR, hummocky area" | JK/IE | 7/16/2004 | low | mst |
| 04JST485 | 355304 | 7053230 | 2004 | Frost Boil | 25 | 55 | 10 | 10 | | Brown | No | "frost boil, TM, 25 C / 75 M, clasts A-SR, boulders SA-SR, hummocky area" | JK/IE | 7/16/2004 | low | mst |
| 04JST486 | 352929 | 7052236 | 2004 | Frost Boil | 20 | 60 | 15 | 5 | | Brown | No | "frost boil, 20 C / 80 M, T, clasts A-SR, boulders A (angular), till veneer" | JK/IE | 7/16/2004 | low | mst |
| 04JST487 | 356883 | 7051765 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, 20 C / 80 M, clasts A-SR, boulders A-SA, sample 15 m from bedrock" | JK/IE | 7/16/2004 | low | mst |
| 04JST488 | 357922 | 7049595 | 2004 | Frost Boil | 35 | 45 | 15 | 5 | | Brown | No | "frost boil, TM, very rocky, 35 C / 65 M, clasts A-SR, boulders SR (rare), sample from local high (rocky area), clasts include pebbles and cobble" | JK/IE | 7/16/2004 | low | mst |

| Sample | Easting | Northing | Year | Type | Gravel | Sand | Silt | Clay | Organics | Colour | Duplicate | COMMENTS | Sampler | DATE_ | RELIEF | MOISTURE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST489 | 358286 | 7046938 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, clasts A-SA, 15 C / 85 M, boulders A-SA, bedrock 10 m away" | JK/IE | 7/16/2004 | low | mst |
| 04JST490 | 354914 | 7046000 | 2004 | Frost Boil | 25 | 55 | 15 | 5 | | Brown | No | "frost boil, TM, clasts A-SR, 25 C / 75 M, boulders SA (rare), reworked till blanket" | JK/IE | 7/16/2004 | low | mst |
| 04JST491 | 351741 | 7045796 | 2004 | Frost Boil | 30 | 50 | 15 | 5 | | Brown | No | "frost boil, TM, 30 C / 70 M, clasts A-SA, boulders SA-SR, reworked till blanket" | JK/IE | 7/16/2004 | low | mst |
| 04JST492 | 360858 | 7045259 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, clasts A-SR, boulders A-SR, till blanket, 15 C / 85 M" | JK/IE | 7/16/2004 | low | mst |
| 04JST493 | 362112 | 7050204 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, TM, 25 C / 75 M, clasts A-SR, boulders A-SA, boulder field 40 m away" | JK/IE | 7/16/2004 | low | mst |
| 04JST494 | 361227 | 7052832 | 2004 | Frost Boil | 25 | 65 | 10 | 0 | | Brown | No | "frost boil, TM, clasts A-SR, boulders A (angular), 25 C / 75 M" | JK/IE | 7/16/2004 | low | mst |
| 04JST495 | 361636 | 7057518 | 2004 | Frost Boil | 25 | 70 | 5 | 0 | | Brown | No | "frost boil, TM, clasts A-SR, 25 C / 75 M, boulders A-SA" | JK/IE | 7/16/2004 | low | mst |
| 04JST496 | 360842 | 7031515 | 2004 | Frost Boil | 20 | 60 | 15 | 5 | | Brown | No | "frost boil, TM, 20 C / 80 M, clasts A-SA, boulders A-SR, sample from till veneer on local high (reworked)" | JK/IE | 7/16/2004 | low | mst |
| 04JST497 | 358540 | 7034152 | 2004 | Frost Boil | 20 | 60 | 15 | 5 | | Brown | No | "frost boil, T, clasts A-SA, 20 C/ 80 M, boulders A-SA, till veneer" | JK/IE | 7/16/2004 | low | mst |
| 04JST498 | 356301 | 7030828 | 2004 | Frost Boil | 15 | 60 | 15 | 10 | | Brown | No | "frost boil, T, clasts A-SA, boulders A-SA, 15 C / 85 M" | JK/IE | 7/16/2004 | low | mst |
| 04JST499 | 354366 | 7035197 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, clasts A-SA, 15 C / 85 M, boulders A-SA, bedrock 20 m away, till blanket" | JK/IE | 7/16/2004 | low | mst |
| 04JST500 | 350699 | 7033287 | 2004 | Frost Boil | 15 | 60 | 15 | 10 | | Brown | No | "frost boil, T, clasts A-SR, boulders A-SA, 15 C / 85 M" | JK/IE | 7/16/2004 | low | mst |
| 04JST500D | 350699 | 7033287 | 2004 | Frost Boil | 15 | 60 | 15 | 10 | | Brown | Yes | "frost boil, T, clasts A-SR, boulders A-SA, 15 C / 85 M" | JK/IE | 7/16/2004 | low | mst |
| 04JST501 | 351260 | 7036155 | 2004 | Frost Boil | 15 | 65 | 10 | 10 | | Brown | No | "frost boil, T, clasts A-SA,15 C / 85 M, boulders A-SA, till pocket in rocky area" | JK/IE | 7/16/2004 | low | mst |
| 04JST502 | 354685 | 7038573 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, TM, 25 C / 75 M, clasts A-SR, boulders A-SA, bedrock 30 m away" | JK/IE | 7/16/2004 | low | mst |
| 04JST503 | 355814 | 7040615 | 2004 | Frost Boil | 20 | 60 | 10 | 10 | | Brown | No | "frost boil, T, clasts A-SR, 20 C / 80 M, boulders A-SA, till veneer" | JK/IE | 7/16/2004 | low | mst |
| 04JST504 | 355019 | 7042910 | 2004 | Frost Boil | 20 | 70 | 10 | 0 | | Brown | No | "frost boil, TM, clasts A-SA, 20 C / 80 M, boulders A-SA, reworked till blanket" | JK/IE | 7/16/2004 | low | mst |
| 04JST505 | 358894 | 7042945 | 2004 | Frost Boil | 10 | 70 | 15 | 5 | | Brown | No | "frost boil, T, clasts A-SR, 10 C / 90 M, boulders A-SA, till shelf or blanket" | JK/IE | 7/16/2004 | low | mst |
| 04JST506 | 361853 | 7042368 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SA, 15 C / 85 M, boulders A-SA, bedrock 20 m away, till shelf" | JK/IE | 7/16/2004 | low | mst |
| 04JST507 | 361709 | 7038431 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | Brown | No | "frost boil, T, till blanket, clasts A-SR, boulders SA, 10 C / 90 M" | JK/IE | 7/16/2004 | low | mst |
| 04JST508 | 359741 | 7037203 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | Brown | No | "frost boil, T, till shelf, clasts A-SR, 10 C / 90 M, boulders A-SA" | JK/IE | 7/16/2004 | low | mst |
| 04JST509 | 360512 | 7024549 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SA, 10 C / 90 M, boulders SA-SR, hummocky area, till blanket" | JK/IE | 7/16/2004 | low | mst |
| 04JST510 | 357387 | 7025169 | 2004 | Frost Boil | 10 | 70 | 15 | 5 | | Brown | No | "frost boil, T, clasts A-SA, 10 C / 90 M, boulders A-SA, till shelf in rocky area" | JK/IE | 7/16/2004 | low | mst |
| 04JST511 | 355455 | 7025044 | 2004 | Frost Boil | 10 | 70 | 15 | 5 | | Brown | No | "frost boil, T, till blanket, clasts A-SA, 10 C / 90 M, boulders angular (rare)" | JK/IE | 7/16/2004 | low | mst |
| 04JST512 | 356866 | 7022542 | 2004 | Frost Boil | 20 | 60 | 15 | 5 | | Brown | No | "frost boil, T, 20 C / 80 M, clasts A-SA, boulders A-SA, till shelf" | JK/IE | 7/16/2004 | low | mst |
| 04JST513 | 358476 | 7019698 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, clasts A-SR, boulders A-SA, 15 C / 85 M, till shelf" | JK/IE | 7/16/2004 | low | mst |
| 04JST514 | 354362 | 7018717 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, T, till blanket, clasts A-SA, 15 C / 85 M, boulders (none seen), hummocky area" | JK/IE | 7/16/2004 | low | mst |
| 04JST515 | 350572 | 7020607 | 2004 | Frost Boil | 20 | 60 | 15 | 5 | | Brown | No | "frost boil, T, clasts A-SA, 20 C / 80 M, boulders (none seen), till blanket" | JK/IE | 7/16/2004 | low | mst |
| 04JST516 | 350616 | 7023532 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SA, 25 C / 75 M, boulders A-SA, till pocket flanked by bedrock (15 m away)" | JK/IE | 7/16/2004 | low | mst |
| 04JST517 | 353198 | 7026732 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, T, till blanket, clasts A-SA, 15 C / 85 M, boulders A-SA, hummocky area" | JK/IE | 7/16/2004 | low | mst |
| 04JST518 | 352828 | 7029436 | 2004 | Frost Boil | 10 | 70 | 15 | 5 | | Brown | No | "frost boil, T, clasts A-SA, 10 C / 90 M, boulders A-SA, till veneer" | JK/IE | 7/16/2004 | low | mst |
| 04JST519 | 355490 | 7028355 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SA, 15 C / 85 M, boulders A-SA, till blanket, bedrock 15 m away" | JK/IE | 7/16/2004 | low | mst |
| 04JST520 | 357013 | 7029278 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SR, 20 C / 80 M, boulders A-SA, rocky area, till pocket, bedrock 40 m away" | JK/IE | 7/16/2004 | low | mst |
| 04JST520D | 357013 | 7029278 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | Yes | "frost boil, T, clasts A-SR, 20 C / 80 M, boulders A-SA, rocky area, till pocket, bedrock 40 m away" | JK/IE | 7/16/2004 | low | mst |
| 04JST521 | 358671 | 7027532 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | grey/brn | No | "frost boil, T, clasts A-SA, boulders A-SA, till shelf, 15 C / 85 M" | JK/IE | 7/16/2004 | low | mst |
| 04JST522 | 363397 | 7027527 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, clasts A-SA, boulders A-SA, 15 C / 85 M, till veneer / blanket" | JK/IE | 7/17/2004 | low | mst |
| 04JST523 | 362649 | 7024937 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SA, boulders A-SA, 20 C / 80 M, till veneer / blanket" | JK/IE | 7/17/2004 | low | mst |
| 04JST524 | 363979 | 7019628 | 2004 | Frost Boil | 20 | 70 | 10 | 0 | | Brown | No | "frost boil, T, clasts A-SR, boulders A-SA, 20 C / 80 M, till pocket on local high" | JK/IE | 7/17/2004 | low | mst |
| 04JST525 | 367429 | 7017677 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, 20 C / 80 M, clasts A-SA, boulders A-SA, till pocket in very rocky area, bedrock 50 m away" | JK/IE | 7/17/2004 | low | mst |
| 04JST526 | 370872 | 7016576 | 2004 | Frost Boil | 30 | 55 | 10 | 5 | | Brown | No | "frost boil, T, 30 C / 70 M, clasts A-SA, boulders A-SA, rocky area, bedrock 30 m away, till veneer" | JK/IE | 7/17/2004 | low | mst |
| 04JST527 | 370992 | 7020765 | 2004 | Frost Boil | 25 | 55 | 15 | 5 | | Brown | No | "frost boil, T, 25 C / 75 M, clasts A-SR, boulders A-SA, till blanket on hill" | JK/IE | 7/17/2004 | med | mst |
| 04JST528 | 367165 | 7021740 | 2004 | Frost Boil | 30 | 55 | 10 | 5 | | Brown | No | "frost boil, T, 30 C / 70 M, clasts A-SA, boulders A-SA, very rocky area, till veneer" | JK/IE | 7/17/2004 | low | mst |
| 04JST529 | 365637 | 7024355 | 2004 | Frost Boil | 35 | 50 | 10 | 5 | | Brown | No | "frost boil, T, 35 C / 65 M, clasts A-SA, boulders A-SA, till veneer in rocky area" | JK/IE | 7/17/2004 | low | mst |
| 04JST530 | 366788 | 7026146 | 2004 | Frost Boil | 15 | 65 | 10 | 10 | | Brown | No | "frost boil, T, till blanket, clasts A-SA, 15 C / 85 M, boulders (none seen)" | JK/IE | 7/17/2004 | low | mst |
| 04JST531 | 368747 | 7027298 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SA, 20 C / 80 M, boulders (none seen), till blanket" | JK/IE | 7/17/2004 | low | mst |
| 04JST532 | 372037 | 7025391 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, 20 C / 80 M, clasts A-SA, boulders A-SA, rocky area, till veneer" | JK/IE | 7/17/2004 | low | mst |
| 04JST533 | 373357 | 7028852 | 2004 | Frost Boil | 25 | 50 | 15 | 10 | | Brown | No | "frost boil, T, 25 C / 75 M, clasts A-SA, boulders A-SR, till blanket" | JK/IE | 7/17/2004 | low | mst |
| 04JST534 | 371061 | 7031355 | 2004 | Frost Boil | 40 | 45 | 10 | 5 | | Brown | No | "frost boil, rocky sample, TM, 40 C / 60 M, clasts A-SA, boulders SA-SR, reworked till blanket" | JK/IE | 7/17/2004 | low | mst |
| 04JST535 | 373880 | 7032675 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, 20 C / 80 M, clasts A-SR, boulders A-SA, till blanket" | JK/IE | 7/17/2004 | low | mst |
| 04JST536 | 371926 | 7042504 | 2004 | Frost Boil | 30 | 55 | 10 | 5 | | Brown | No | "frost boil, TM, 30 C / 70 M, clasts SA-SR, boulders SA-SR, reworked till blanket" | JK/IE | 7/17/2004 | low | mst |
| 04JST537 | 367899 | 7040682 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SR, 20 C / 80 M, boulders A-SA, till blanket" | JK/IE | 7/17/2004 | low | mst |
| 04JST538 | 364208 | 7043528 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SA, boulders A-SA, 20 C / 80 M, till blanket" | JK/IE | 7/17/2004 | low | mst |
| 04JST539 | 363622 | 7039952 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SR, boulders A-SA, 15 C / 85 M, till blanket" | JK/JK | 7/17/2004 | low | mst |
| 04JST540 | 366470 | 7036590 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, T, 25 C/ 75 M, clasts A-SA, boulders (none seen), till blanket" | JK/JK | 7/17/2004 | low | mst |
| 04JST540D | 366470 | 7036590 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | Yes | "frost boil, T, 25 C/ 75 M, clasts A-SA, boulders (none seen), till blanket" | JK/JK | 7/17/2004 | low | mst |
| 04JST541 | 363776 | 7035964 | 2004 | Frost Boil | 10 | 65 | 15 | 10 | | Brown | No | "frost boil, T, 10 C/ 90 M, clasts A-SR, boulders SA (rare), till blanket" | JK/JK | 7/17/2004 | low | mst |
| 04JST542 | 364673 | 7031246 | 2004 | Frost Boil | 10 | 65 | 15 | 10 | | Brown | No | "frost boil, T, 10 C / 90 M, clasts A-SA, boulders (none seen), till blanket" | JK/JK | 7/17/2004 | low | mst |
| 04JST543 | 368056 | 7030444 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SA, boulders (none seen), till blanket" | JK/JK | 7/17/2004 | low | mst |
| 04JST544 | 369117 | 7035180 | 2004 | Frost Boil | 10 | 65 | 20 | 5 | | Brown | No | "frost boil, T, 10 C / 90 M, clasts A-SA, boulders A-SA, till shelf or blanket" | JK/JK | 7/17/2004 | low | mst |
| 04JST545 | 372874 | 7036397 | 2004 | Frost Boil | 20 | 45 | 15 | 20 | | Brown | No | "frost boil, T, 20 C / 80 M, clasts A-SA, boulders SA, sample clay rich, till blanket" | JK/JK | 7/17/2004 | low | mst |

| Sample | Easting | Northing | Year | Type | Gravel | Sand | Silt | Clay | Organics | Colour | Duplicate | COMMENTS | Sampler | DATE_ | RELIEF | MOISTURE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST546 | 374285 | 7039331 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, 15 C/ 85 M, clasts A-SA, boulders SA-SR, till blanket" | JK/JK | 7/17/2004 | low | mst |
| 04JST547 | 403044 | 7040596 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SR, boulders SA-SR, till shelf / blanket" | JK/JK | 7/17/2004 | low | mst |
| 04JST548 | 401138 | 7036785 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | Brown | No | "frost boil, T, 10 C / 90 M, clasts A-SA, boulders A-SA, till blanket" | JK/JK | 7/17/2004 | low | mst |
| 04JST549 | 404840 | 7036309 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | Brown | No | "frost boil, T, 10 C / 90 M, clasts A-SA, boulders A-SA, till pocket in rocky area" | JK/JK | 7/17/2004 | low | mst |
| 04JST550 | 407323 | 7036198 | 2004 | Frost Boil | 20 | 60 | 15 | 5 | | Brown | No | "frost boil, 20 C / 80 M, clasts A-SR, boulders (none seen), till blanket, sample 120 m from bedrock, TM (reworked till)" | JK/JK | 7/17/2004 | low | mst |
| 04JST551 | 405002 | 7032388 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, T, 25 C / 75 M, clasts A-SR, boulders A-SA, till pocket in rocky area" | JK/JK | 7/17/2004 | low | mst |
| 04JST552 | 400734 | 7031418 | 2004 | Frost Boil | 5 | 55 | 15 | 25 | | Brown | No | "frost boil, clay rich, TM (reworked), clasts A-SR, boulders A-SA, sample 15 m from bedrock and 150 m from esker, 5 C / 95 M" | JK/JK | 7/17/2004 | low | mst |
| 04JST553 | 405983 | 7029685 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, T, clasts A-SR, 15 C / 85 M, boulders A-SA, till blanket" | JK/JK | 7/17/2004 | low | mst |
| 04JST554 | 411076 | 7034592 | 2004 | Frost Boil | 10 | 70 | 15 | 5 | | brn/grey | No | "frost boil, T, 10 C / 90 M, clasts A-SA, boulders A-SA, till veneer in rocky area" | JK/JK | 7/17/2004 | low | mst |
| 04JST555 | 411216 | 7031640 | 2004 | Frost Boil | 10 | 70 | 15 | 5 | | Brown | No | "frost boil, T, 10 C / 90 M, clasts A-SA, boulders A-SA, till blanket" | JK/JK | 7/17/2004 | low | mst |
| 04JST556 | 411173 | 7039094 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, clasts A-SA, 15 C / 85 M, boulders A-SA, till blanket / veneer" | JK/JK | 7/17/2004 | low | mst |
| 04JST557 | 411462 | 7041840 | 2004 | Frost Boil | 10 | 65 | 20 | 5 | | Brown | No | "frost boil, T, 10 C/ 90 M, clasts A-SA, boulders A-SR, till blanket" | JK/JK | 7/17/2004 | low | mst |
| 04JST558 | 406552 | 7042234 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, T, 25 C / 75 M, clasts A-SR, boulders (none seen), till blanket" | JK/JK | 7/17/2004 | low | mst |
| 04JST626 | 396568 | 7002664 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SR, boulders A-SA, till veneer in rocky area" | JK/KB | 7/23/2004 | low | mst |
| 04JST627 | 393895 | 7003429 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SA, boulders A-SR, till blanket" | JK/KB | 7/23/2004 | low | mst |
| 04JST628 | 389832 | 7002502 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, 20 C / 80 M, clasts A-SR, boulders A-SR, till blanket" | JK/KB | 7/23/2004 | low | mst |
| 04JST629 | 389205 | 7005111 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SA, boulders A-SA, till veneer in rocky area" | JK/KB | 7/23/2004 | low | mst |
| 04JST630 | 391854 | 7006508 | 2004 | Frost Boil | 10 | 75 | 10 | 5 | | Brown | No | "frost boil, T, 10 C / 90 M, clasts A-SA, boulders A-SA, till blanket" | JK/KB | 7/23/2004 | low | mst |
| 04JST631 | 398151 | 6988951 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SA, boulders A-SA, till blanket" | JK/KB | 7/23/2004 | low | mst |
| 04JST641 | 387455 | 6993625 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | grey | No | "frost boil, TM, 15 C / 85 M, clasts A-SA, boulders A-SA, till veneer " | JK/KB | 7/23/2004 | low | mst |
| 04JST642 | 390284 | 6995993 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SA, boulders A-SA, till blanket on top of bedrock, local high" | JK/KB | 7/23/2004 | med | mst |
| 04JST643 | 388659 | 6998287 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, 20 C / 80 M, clasts A-SA, boulders A-SA, till veneer in rocky area" | JK/KB | 7/23/2004 | low | mst |
| 04JST644 | 393721 | 7000673 | 2004 | Frost Boil | 15 | 60 | 20 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SA, boulders A-SA, till veneer " | JK/KB | 7/23/2004 | low | mst |
| 04JST645 | 393564 | 6997943 | 2004 | Frost Boil | 20 | 60 | 15 | 5 | | Brown | No | "frost boil, T, 20 C / 80 M, clasts A-SR, boulders A-SR, till veneer in rocky area" | JK/KB | 7/23/2004 | low | mst |
| 04JST646 | 396595 | 6999055 | 2004 | Frost Boil | 10 | 65 | 20 | 5 | | Brown | No | "frost boil, T, 10 C / 90 M, clasts A-SA, boulders A-SA, till veneer in rocky area" | JK/KB | 7/23/2004 | low | mst |
| 04JST647 | 397629 | 6997065 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, 20 C / 80 M, clasts A-SA, boulders A-SA, till veneer in rocky area" | JK/KB | 7/23/2004 | low | mst |
| 04JST648 | 395723 | 6994275 | 2004 | Frost Boil | 15 | 60 | 20 | 5 | | Brown | No | "frost boil, T, clasts A-SA, 15 C / 85 M, boulders A-SA, till pocket on top of rocky hill" | JK/KB | 7/23/2004 | med | mst |
| 04JST649 | 392887 | 6993366 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SR, boulders A-SR, till blanket" | JK/KB | 7/23/2004 | med | mst |
| 04JST650 | 393432 | 6990060 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SA, boulders A-SA, till veneer" | JK/KB | 7/23/2004 | low | mst |
| 04JST651 | 387728 | 7009664 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, T, 25 C / 75 M, clasts A-SR, boulders A-SA, bedrock 40 m away, till blanket" | JK/KB | 7/23/2004 | low | mst |
| 04JST652 | 391279 | 7010625 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, 20 C / 80 M, clasts A-SA, boulders A-SA, till veneer " | JK/KB | 7/23/2004 | low | mst |
| 04JST653 | 390809 | 7012819 | 2004 | Frost Boil | 20 | 60 | 15 | 5 | | Brown | No | "frost boil, T, 20 C / 80 M, clasts A-SA, boulders A-SA, till veneer in rocky area" | JK/KB | 7/23/2004 | low | mst |
| 04JST654 | 394022 | 7013627 | 2004 | Frost Boil | 20 | 65 | 10 | 5 | | Brown | No | "frost boil, T, 20 C / 80 M, clasts A-SR, boulders A-SR, till shelf, bedrock 40 m away" | JK/KB | 7/23/2004 | low | mst |
| 04JST655 | 395261 | 7011015 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SA, boulders A-SA, bedrock 30 m away, till pocket" | JK/KB | 7/23/2004 | low | mst |
| 04JST656 | 397335 | 7014327 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SR, boulders A-SA, till blanket" | JK/KB | 7/23/2004 | low | mst |
| 04JST657 | 397129 | 7006785 | 2004 | Frost Boil | 15 | 65 | 15 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SA, boulders A-SA, till pocket in rocky area" | JK/KB | 7/23/2004 | low | mst |
| 04JST658 | 398463 | 7003983 | 2004 | Frost Boil | 25 | 60 | 10 | 5 | | Brown | No | "frost boil, T, 25 C / 75 M, clasts A-SA, boulders A-SA, till veneer, bedrock 30 m away" | JK/KB | 7/23/2004 | low | mst |
| 04JST659 | 388999 | 6987779 | 2004 | Frost Boil | 15 | 70 | 10 | 5 | | Brown | No | "frost boil, T, 15 C / 85 M, clasts A-SA, boulders A-SA, till blanket" | JK/KB | 7/23/2004 | low | mst |
| 04JST660 | 389267 | 6992031 | 2004 | Frost Boil | 30 | 55 | 10 | 5 | | Brown | No | "frost boil, TM, 30 C/ 70 M, clasts A-SA, boulders A-SA, reworked till veneer" | JK/KB | 7/23/2004 | low | mst |
| 04JST660D | 389267 | 6992031 | 2004 | Frost Boil | 30 | 55 | 10 | 5 | | Brown | Yes | "frost boil, TM, 30 C/ 70 M, clasts A-SA, boulders A-SA, reworked till veneer" | JK/KB | 7/23/2004 | low | mst |
| 04JST665 | 383030 | 7002917 | 2004 | Frost Boil | 10 | 55 | 35 | 0 | 0 | Brown | No | "frost boil, T sandy, grassy, hummocky, beside lake, SA granular to pebble clasts, 90% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04JST666 | 379359 | 7002998 | 2004 | Frost Boil | 10 | 50 | 40 | 0 | 0 | Brown | No | "frost boil, T silty sand, hummocky, SA pebble clasts, 90% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04JST667 | 375925 | 7007701 | 2004 | Frost Boil | 10 | 55 | 35 | 0 | 0 | Brown | No | "frost boil, T sandy, SA pebble clasts, hummocky, 90% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04JST668 | 376193 | 7011131 | 2004 | Frost Boil | 10 | 55 | 35 | 0 | 0 | Brown | No | "frost boil, T sandy, SA pebble clasts, hummocky, scattered granitic boulders, 90% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04JST669 | 379191 | 7012452 | 2004 | Frost Boil | 15 | 50 | 35 | 0 | 0 | Brown | No | "frost boil, T sandy, SA to SR pebble clasts, hummocky, 85% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04JST670 | 378753 | 7014322 | 2004 | Frost Boil | 15 | 50 | 35 | 0 | 0 | Brown | No | "frost boil, T sandy, SA to A pebble and cobble clasts, compact, hummocky, 85% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04JST671 | 383033 | 7012334 | 2004 | Frost Boil | 15 | 50 | 35 | 0 | 0 | Brown | No | "frost boil, T sandy, SA pebble and cobble clasts, till blanket valley between outcrops, 85% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04JST672 | 385198 | 7012906 | 2004 | Frost Boil | 15 | 50 | 35 | 0 | 0 | Brown | No | "frost boil, T, SA to SR pebble clasts, hummocky till rich valley between outcrop, 85% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04JST673 | 383888 | 7009744 | 2004 | Frost Boil | 10 | 55 | 35 | 0 | 0 | Brown | No | "frost boil, T sandy, SA pebble quartzite clasts, hummocky, amongst outcrop, 90% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04JST674 | 381289 | 7008413 | 2004 | Frost Boil | 10 | 50 | 40 | 0 | 0 | Brown | No | "frost boil, T silty sand, SA to angular pebble clasts, many red clasts, hummocky, 90% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04JST675 | 385596 | 7008277 | 2004 | Frost Boil | 15 | 50 | 35 | 0 | 0 | Brown | No | "frost boil, T sandy, SA pebble clasts, grassy to hummocky field, 85% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04JST676 | 381632 | 7006036 | 2004 | Frost Boil | 10 | 55 | 35 | 0 | 0 | Brown | No | "frost boil, T sandy, SA pebble clasts, surrounded by outcrop and boulders, 90% matrix" | KB & JK | 7/24/2004 | low | moist/dry |
| 04JST677 | 384997 | 7004876 | 2004 | Frost Boil | 10 | 55 | 35 | 0 | 0 | Brown | No | "frost boil, T sandy, SA to A pebble clasts, hummocky, 90% matrix" | KB & JK | 7/24/2004 | low | dry |
| 04JST678 | 373811 | 7002639 | 2004 | Frost Boil | 10 | 55 | 35 | 0 | 0 | Brown | No | "frost boil, T sandy, SA pebble and cobble clasts, hummocky peninsula, some red clasts, 90% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04JST679 | 373694 | 7008080 | 2004 | Frost Boil | 15 | 50 | 35 | 0 | 0 | Brown | No | "frost boil, T sandy, SA to A pebble clasts, surrounded by outcrop, 85% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04JST680 | 370923 | 7009774 | 2004 | Frost Boil | 10 | 50 | 35 | 5 | 0 | Red-bro | No | "frost boil, T sandy, till covered hill by lake, 90% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04JST680D | 370923 | 7009774 | 2004 | Frost Boil | 10 | 50 | 35 | 5 | 0 | Red-bro | Yes | "frost boil, T sandy, till covered hill by lake, 90% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04CLT146 | 367509 | 7006184 | 2004 | Frost Boil | 10 | 55 | 35 | 0 | 0 | Brown | No | "frost boil, T sandy, heavy shrub coverage, 90% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04CLT147 | 367320 | 7003189 | 2004 | Frost Boil | 10 | 50 | 40 | 0 | 0 | Red-bro | No | "frost boil, T silty sand, SA to A pebble clasts, hummocky, near outcrop, 90% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04CLT148 | 363762 | 7005595 | 2004 | Frost Boil | 10 | 50 | 35 | 5 | 0 | Brown | No | "frost boil, T sandy, compact, vesicular, cobble clasts, some coniferous vegetation, 90% matrix" | KB & JK | 7/24/2004 | low | moist |

| Sample | Easting | Northing | Year | Type | Gravel | Sand | Silt | Clay | Organics | Colour | Duplicate | COMMENTS | Sampler | DATE_ | RELIEF | MOISTURE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04CLT149 | 362096 | 7003088 | 2004 | Frost Boil | 10 | 50 | 35 | 5 | 0 | Brown | No | "frost boil, T sandy, SA pebble clasts, till covered rise, 90% matrix" | KB & JK | 7/24/2004 | low/med | moist |
| 04CLT150 | 364710 | 7010364 | 2004 | Frost Boil | 10 | 55 | 35 | 0 | 0 | Brown | No | "frost boil, T sandy, hummocky, SA to SR pebble clasts, compact, 90% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04CLT151 | 362764 | 7014834 | 2004 | Frost Boil | 10 | 55 | 35 | 0 | 0 | Red-bro | No | "frost boil, T sandy, SA pebble clasts, small shrubs dominate area, 90% matrix" | KB & JK | 7/24/2004 | low | moist |
| 04CLT152 | 366611 | 7012146 | 2004 | Frost Boil | 10 | 50 | 35 | 5 | 0 | Brown | No | "frost boil, T sandy, SA pebble clasts, some faceted, 90% matrix, scattered boulders" | KB & JK | 7/24/2004 | low | moist |
| 04CLT153 | 372987 | 7014282 | 2004 | Frost Boil | 5 | 50 | 45 | 0 | 0 | Brown | No | "frost boil, T silty sand, 95% matrix, grassy area" | KB & JK | 7/24/2004 | low | moist |
| 04CLT154 | 369057 | 7012765 | 2004 | Frost Boil | 10 | 55 | 35 | 0 | 0 | Brown | No | "frost boil, T sandy, angular pebble clasts, grassy, beside lake, 90% matrix" | KB & JK | 7/24/2004 | low | moist/dry |
| 04SHT380 | 352929 | 7075350 | 2004 | Frost Boil | 5 | 95 | 0 | 0 | 0 | "Red, Bı | No | "Frostboil, till, small clasts size, exposed bedrock in area, vessicular, angular to subangular clasts, 95/5 M/C ratio" | SH & JK | 7/12/2004 | Low | Dry |
| 04SHT380D | 352929 | 7075350 | 2004 | Frost Boil | 5 | 95 | 0 | 0 | 0 | "Red, Bı | Yes | "Frostboil, till, small clasts size, exposed bedrock in area, vessicular, angular to subangular clasts, 95/5 M/C ratio" | SH & JK | 7/12/2004 | Low | Dry |
| 04SHT381 | 358998 | 7073327 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, clasts to pebbles, subangular to rounded, open field, 90/10 M/C ratio" | SH & JK | 7/12/2004 | Low | Dry |
| 04SHT382 | 361724 | 7074298 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open field near drainage outwash, clasts subangular to angular, 90/10 M/C ratio, vessicular" | SH & JK | 7/12/2004 | Low | Mst |
| 04SHT383 | 364125 | 7075454 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open field near many lakes, vessicular, subangular to angular clasts, 90/10 M/C ratio" | SH & JK | 7/12/2004 | Low | Mst |
| 04SHT384 | 358728 | 7076035 | 2004 | Frost Boil | 10 | 90 | 0 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, slightly vessicular, and thixotropic, subangular clasts, 90/10 M/C ratio" | SH & JK | 7/12/2004 | Low | Mst |
| 04SHT385 | 353777 | 7078412 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, drainage outwash, thixotropic, subangular to subrounded clasts, 90/10 M/C ratio" | SH & JK | 7/12/2004 | Low | Mst |
| 04SHT386 | 362217 | 7079644 | 2004 | Frost Boil | 10 | 90 | 0 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, open field, very small clasts size, subangular clasts, 95/5 M/C ratio" | SH & JK | 7/12/2004 | Low | Mst |
| 04SHT387 | 357828 | 7081882 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lakes, seasonal outwash area, vessicular, slightly thixotropic, clasts to pebbles" | SH & JK | 7/12/2004 | Low | Mst |
| 04SHT388 | 353840 | 7082917 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, clasts to pebbles, subrounded to subangular, vessicular, 95/5 M/C ratio" | SH & JK | 7/12/2004 | Low | Mst |
| 04SHT389 | 356289 | 7085034 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of exposed bedrock, vessicular, clasts to pebbles, subangular, 90/10 M/C ratio" | SH & JK | 7/12/2004 | Low | Mst |
| 04SHT390 | 359417 | 7082762 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, clasts to pebbles, subrounded to subangular, vessicular, 95/5 M/C ratio" | SH & JK | 7/12/2004 | Low | Mst |
| 04SHT391 | 363871 | 7082452 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, thixotropic, open field, clasts to pebbles, subrounded to subangular, 85/15 M/C ratio" | SH & JK | 7/12/2004 | Low | Wet |
| 04SHT392 | 363958 | 7084542 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, thixotropic, open field, clasts to pebbles, subrounded to subangular, 85/15 M/C ratio" | SH & JK | 7/12/2004 | Low | Mst |
| 04SHT393 | 367618 | 7089210 | 2004 | Frost Boil | 10 | 90 | 0 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, penninsula, small angular clasts to rounded pebbles, 90/10 M/C ratio" | SH & JK | 7/12/2004 | Low | Dry |
| 04SHT394 | 370128 | 7089174 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, open tundra, clasts to pebbles, subangular to subrounded, 90/10 M/C ratio" | SH & JK | 7/12/2004 | Low | Dry |
| 04SHT395 | 374156 | 7087104 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, near boulder, vessicular, clasts to pebbles, subangular, 90/10 M/C ratio" | SH & JK | 7/12/2004 | Low | Dry |
| 04SHT396 | 376401 | 7089324 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, near boulder, vessicular, clasts to pebbles, subangular, 90/10 M/C ratio" | SH & JK | 7/12/2004 | Low | Dry |
| 04SHT397 | 371842 | 7090799 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, drainage outwash, vessicular, thixotropic, subangular small clasts, 90/10 M/C ratio" | SH & JK | 7/12/2004 | Low | Mst |
| 04SHT398 | 369233 | 7090977 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, small boulder field, slightly vessicular, small subangular clasts, 95/5 M/C ratio" | SH & JK | 7/12/2004 | Low | Mst |
| 04SHT399 | 367419 | 7094182 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, red sandstone samples, open tundra, clasts to pebbles, subangular clasts, vessicular, 90/10 M/C ratio" | SH & JK | 7/12/2004 | Low | Dry |
| 04SHT400 | 372141 | 7094557 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Gry,Re | No | "Frostboil, till, open tundra, small clasts size, vessicular, thixotropic, subangular clasts, 90/10 M/C ratio" | SH & JK | 7/12/2004 | Low | Wet |
| 04SHT400D | 372141 | 7094557 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Gry,Re | Yes | "Frostboil, till, open tundra, small clasts size, vessicular, thixotropic, subangular clasts, 90/10 M/C ratio" | SH & JK | 7/12/2004 | Low | Wet |
| 04SHT401 | 376439 | 7094049 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, thixotropic, clasts to pebbles, subrounded to subangular, 90/10 M/C ratio" | SH & JK | 7/12/2004 | Low | Mst |
| 04SHT402 | 377358 | 7098220 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, small boulders in area, vessicular, subangular clasts, subrounded pebbles, 90/10 M/C ratio" | SH & JK | 7/12/2004 | Low | Dry |
| 04SHT403 | 375189 | 7096559 | 2004 | Frost Boil | 5 | 95 | 0 | 0 | 0 | "Red, Bı | No | "Frostboil, marine till, open tundra, clasts to pebbles, subangular to angular, 90/10 M/C ratio" | SH & JK | 7/12/2004 | Low | Dry |
| 04SHT404 | 370736 | 7096793 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, clasts to pebbles, subrounded to rounded, 95/5 M/C ratio" | SH & JK | 7/12/2004 | Low | Mst |
| 04SHT405 | 368702 | 7097543 | 2004 | lake sedim | 5 | 90 | 0 | 0 | 0 | "Red, Bı | No | "Lake area, not a boil, however rounded crater lake area observed, subangular clasts, very strange vegetation around the lake" | SH & JK | 7/12/2004 | Low | Wet |
| 04SHT406 | 355260 | 7097567 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of exposed bedrock, vessicular, clasts to pebbles, subangular, red sandstone, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Dry |
| 04SHT407 | 360428 | 7099208 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of exposed bedrock, vessicular, seasonal outwash, clasts to pebbles, subangular to subrounded" | SH & JK | 7/13/2004 | Low | Dry |
| 04SHT408 | 364752 | 7096814 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, vessicular, clasts to pebbles, subangular to subrounded, 95/5 M/C ratio, red sandstone" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT409 | 361365 | 7095393 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, vessicular, clasts to pebbles, subangular to subrounded, 95/5 M/C ratio, red sandstone" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT411 | 358545 | 7095875 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, small clasts size, vessicular, thixotropic, subangular clasts, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT412 | 354062 | 7096697 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, vessicular, clasts to pebbles, subangular to angular, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT413 | 356038 | 7093405 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, slightly vessicular, small angular clasts, 95/5 M/C ratio, thixotropic" | SH & JK | 7/13/2004 | Low | Wet |
| 04SHT414 | 358102 | 7090557 | 2004 | Frost Boil | 5 | 95 | 0 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, subrounded clasts, 95/5 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT415 | 361316 | 7091047 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Gry, Re | No | "Frostboil, till edge of lake, clasts to pebbles, subangular to subrounded, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT416 | 364967 | 7092622 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, clasts to pebbles, subangular, vessicular, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT417 | 363891 | 7088772 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, clasts to pebbles, subangular, vessicular, thixotropic, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT418 | 360257 | 7087428 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, large open tundra, seasonal outwash area, vessicular, thixotropic, subangular clasts, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT419 | 355963 | 7087359 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, middle of 3 lakes, outwash seasonal drainage, vessicular, thixotropic, subangular clasts" | SH & JK | 7/13/2004 | Low | Wet |
| 04SHT420 | 367739 | 7084844 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, thixotropic, small boulder field, clasts subangular, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT420D | 367739 | 7084844 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | Yes | "Frostboil, till, vessicular, thixotropic, small boulder field, clasts subangular, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT421 | 366660 | 7082063 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, vessicular, clasts to pebbles, subangular to subrounded, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT422 | 366712 | 7078047 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage area, vessicular, clasts to pebbles, subangular, 85/15 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT423 | 368532 | 7073683 | 2004 | Frost Boil | 5 | 95 | 0 | 0 | 0 | "Red, Bı | No | "Frostboil, marine till, no other choice, small boulder field, slightly vessicular, subrounded clasts, 95/5 M/C ratio" | SH & JK | 7/13/2004 | Low | Dry |
| 04SHT424 | 371430 | 7071659 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, marine till, raised bedrock in area, clast to pebbles, subangular to subrounded, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Dry |
| 04SHT425 | 374490 | 7073485 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage area, vessicular, thixotropic, subangular clasts, 85/15 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT426 | 372046 | 7076597 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Gry, Re | No | "Frostboil, till, seasonal drainage area, vessicular, thixotropic, subangular clasts, 85/15 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT427 | 369344 | 7081808 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, vessicular (slightly), clasts to pebbles, subangular to angular, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Dry |
| 04SHT428 | 371982 | 7084942 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of river valley, vessicular, clast to pebbles, subangular, 85/15 M/C ratio" | SH & JK | 7/13/2004 | Low | Dry |
| 04SHT429 | 374394 | 7083884 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, slightly vessicular, small clasts, angular to subangular, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Dry |
| 04SHT430 | 375982 | 7081016 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, vessicular, thoxotropic, clasts to pebbles, subrounded to subangular clasts" | SH & JK | 7/13/2004 | Low | Wet |
| 04SHT431 | 375520 | 7077943 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, vessicular, thoxotropic, clasts to pebbles, subrounded to subangular clasts" | SH & JK | 7/13/2004 | Low | Mst |

| Sample | Easting | Northing | Year | Type | Gravel | Sand | Silt | Clay | Organics | Colour | Duplicate | COMMENTS | Sampler | DATE_ | RELIEF | MOISTURE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT432 | 380093 | 7072251 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of large lake, vessicular, thixotropic, clasts to small pebbles, subangular to subrounded clasts, 85/15 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT433 | 379615 | 7073922 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra field, small clasts and pebbles, subangular, vessicular, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT434 | 377381 | 7076806 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra field, small clasts and pebbles, subangular, vessicular, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT435 | 378291 | 7080699 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, small boulder field, small clasts and pebbles, vessicular, subangular to subrounded, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT436 | 381101 | 7077970 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, thixotropic, seasonal outwash area, small subangular clasts, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Wet |
| 04SHT437 | 382496 | 7079998 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage area, vessicular, thixotropic, small angular clasts, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Wet |
| 04SHT438 | 387170 | 7076889 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage area, vessicular, thixotropic, small angular clasts, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT439 | 386870 | 7080782 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage area, thixotropic extreme, small subangular clasts, large open tundra" | SH & JK | 7/13/2004 | Low | Wet |
| 04SHT440 | 388634 | 7083689 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage in a large open field, vessicular, thixotropic, small subangular to subrounded clasts, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Wet |
| 04SHT440D | 388634 | 7083689 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | Yes | "Frostboil, till, seasonal drainage in a large open field, vessicular, thixotropic, small subangular to subrounded clasts, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Wet |
| 04SHT441 | 385344 | 7083564 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, pennisula, clasts to pebbles, angular to subangular, 85/15 M/C ratio" | SH & JK | 7/13/2004 | Low | Dry |
| 04SHT442 | 385008 | 7082084 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, tll, vessicular, edge of boulder field, clasts to pebbles, subangular, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Mst |
| 04SHT443 | 380115 | 7084082 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, raised beach in area, small angular clasts, 90/10 M/C ratio" | SH & JK | 7/13/2004 | Low | Dry |
| 04SHT444 | 421494 | 7043335 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, vessicular, subangular to angular clasts, few pebbles, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT445 | 418729 | 7044672 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage area, edge of lake, clasts to pebbles, vessicular, 85/15 M/C ratio" | SH & JK | 7/14/2004 | Low | Wet |
| 04SHT446 | 416511 | 7044571 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, vessicular, clasts to pebbles, subangular to subrounded, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Dry |
| 04SHT447 | 422725 | 7047725 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, vessicular, clasts to pebbles, subangular to subrounded, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT448 | 424701 | 7048470 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of boulder field, clasts to pebbles, vessicular, thixotropic, subrounded to subangular, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT449 | 423109 | 7052102 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage area, edge of boulders, clasts subangular, vessicular, 85/15 M/C ratio" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT450 | 420644 | 7049842 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of exposed bedrock, seasonal drainage area, 85/15 M/C ratio, subangular clasts" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT451 | 419801 | 7049454 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Gry, Re | No | "Frostboil, till, seasonal drainage area, edge of exposed bedrock, subangular to angular clasts, vessicular, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Wet |
| 04SHT452 | 418848 | 7051364 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, vessicular , thixotropic, subangular to subrounded clasts, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Dry |
| 04SHT453 | 415903 | 7049556 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, seasonal drainage area, subangular clasts to pebbles, vessicular, thixotropic" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT454 | 415161 | 7052126 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, seasonal drainage area, subangular clasts to pebbles, vessicular, thixotropic" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT455 | 416846 | 7054266 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of very round lake, vessicular, thixotropic, subangular clasts, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT456 | 420899 | 7053983 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, edge of lake, thixotropic, seasonal drainage, subrounded to subangular clasts" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT457 | 424113 | 7055613 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of bedrock exposure, clasts to pebbles, subangular, vessicular, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT458 | 412360 | 7045301 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, clasts to pebbles, subangular to angular, vessicular, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT459 | 411661 | 7043918 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, clasts to pebbles, subangular to angular, vessicular, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT460 | 408274 | 7044248 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, vessicular, thixotropic, subangular to angular clasts, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT460D | 408274 | 7044248 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | Yes | "Frostboil, till, open tundra, vessicular, thixotropic, subangular to angular clasts, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT461 | 405197 | 7044305 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage area, vessicular, thixotropic, small clasts to pebbles, subangular" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT462 | 401557 | 7043411 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Gry, Re | No | "Frostboil, till, open tundra, small clast size, slightly vessicular, thixotropic, subangular clasts, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT463 | 401652 | 7046520 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open drainage field, vessicular, thixotropic, subangular to angular clasts, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT464 | 405837 | 7048865 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, vessicular, thixotropic, subangular small clasts, 95/5 M/C ratio" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT465 | 410603 | 7048736 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, vessicular, thxotropic, subangular small clasts, 95/5 M/C ratio" | SH & JK | 7/14/2004 | Low | Wet |
| 04SHT466 | 412672 | 7050497 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, drainage (seasonal), vessicular, thixotropic, subangular to subrounded clasts to pebbles" | SH & JK | 7/14/2004 | Low | Wet |
| 04SHT467 | 411123 | 7053409 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, willow area, lakes nearby, vessicular, small clasts to pebbles, subangular, red sandstone clasts, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Dry |
| 04SHT468 | 412421 | 7055948 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Gry, Re | No | "Frostboil, till, willow area, lakes nearby, vessicular, small clasts to pebbles, subangular, red sandstone clasts, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT469 | 408282 | 7053400 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Gry, Re | No | "Frostboil, till, seasonal drainage area, vessicular, thixotropic, subangular clasts, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT470 | 401512 | 7054678 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Gry, Re | No | "Frostboil, till, seasonal drainage, open tundra, thixotropic, clasts to pebbles, subangular, 90/10 M/C ratio" | SH & JK | 7/14/2004 | Low | Mst |
| 04SHT471 | 424725 | 7031805 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of exposed bedrock, seasonal drainage, vessicular, subangular clasts, 90/10 M/C ratio" | SH & JK | 7/15/2004 | Low | Dry |
| 04SHT472 | 422237 | 7029935 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, seasonal drainage, vessicular, subangular to subrounded, 95/5 M/C ratio" | SH & JK | 7/15/2004 | Low | Mst |
| 04SHT473 | 418283 | 7033735 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake in a boulder field, seasonal drainage, subangular clasts, 85/15 M/C ratio" | SH & JK | 7/15/2004 | Low | Mst |
| 04SHT474 | 416865 | 7030889 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake in a boulder field, seasonal drainage, subangular clasts, 85/15 M/C ratio" | SH & JK | 7/15/2004 | Low | Mst |
| 04SHT475 | 413592 | 7030559 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, seasonal drainage, edge of lake, clasts to pebbles, subangular to angular, 90/10 M/C ratio" | SH & JK | 7/15/2004 | Low | Mst |
| 04SHT476 | 415950 | 7035919 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, penninsula, clasts to pebbles, subangular to subrounded clasts, 85/15 M/C ratio" | SH & JK | 7/15/2004 | Low | Mst |
| 04SHT477 | 397950 | 7045088 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, vessicular, subangular to angular clasts, 90/10 M/C ratio" | SH & JK | 7/15/2004 | Low | Mst |
| 04SHT478 | 396374 | 7047704 | 2004 | Frost Boil | 10 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, pennisula, vessicular, thixotropic, clasts to pebbles, subangular, 90/10 M/C ratio" | SH & JK | 7/15/2004 | Low | Wet |
| 04SHT479 | 394427 | 7047196 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of boulders and bedrock exposure, vessicular, slightly thixotropic, clasts are subangular, 90/10 M/C ratio" | SH & JK | 7/15/2004 | Low | Mst |
| 04SHT480 | 392962 | 7043686 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, vessicular, raised sandy beach in area, subangular clasts to pebbles, 95/5 M/C ratio" | SH & JK | 7/15/2004 | Low | Mst |
| 04SHT480D | 392962 | 7043686 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | Yes | "Frostboil, till, edge of lake, vessicular, raised sandy beach in area, subangular clasts to pebbles, 95/5 M/C ratio" | SH & JK | 7/15/2004 | Low | Mst |
| 04SHT481 | 388862 | 7046149 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, hummocky area, willows, clasts to pebbles, subangular to subrounded, 90/10 M/C ratio" | SH & JK | 7/15/2004 | Low | Dry |
| 04SHT482 | 388349 | 7048468 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, thixotropic, edge of lake, seasonal drainage, subangular clasts, 90/10 M/C ratio" | SH & JK | 7/15/2004 | Low | Mst |
| 04SHT483 | 377258 | 7031032 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake in a boulder field, subangular small clasts, vessicular, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Dry |
| 04SHT484 | 385586 | 7029697 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake in a boulder field, subangular small clasts, vessicular, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Dry |
| 04SHT485 | 383667 | 7033076 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, vessicular, subangular clasts to pebbles, 85/15 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT486 | 386599 | 7033121 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage area, exposed bedrock in area, clasts subrounded to subangular, 85/15 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT487 | 387369 | 7034704 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of bedrock exposure, vessicular, seasonal drainage, subangular clasts, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT488 | 384945 | 7036306 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, vessicular, seasonal drainage, subangular to subrounded clasts, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |

| Sample | Easting | Northing | Year | Type | Gravel | Sand | Silt | Clay | Organics | Colour | Duplicate | COMMENTS | Sampler | DATE_ | RELIEF | MOISTURE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT489 | 381406 | 7036955 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, vessicular, seasonal drainage, subangular to subrounded clasts, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Dry |
| 04SHT490 | 380872 | 7032981 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of small lake, vessicular, thixotropic, clasts to pebbles, subangular to subrounded" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT491 | 376452 | 7033738 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Gry, Rɛ | No | "Frostboil, till, open tundra, seasonal drainage, slightly vessicular, small clasts; subangular, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT492 | 377757 | 7036978 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil,till, open tundra, seasonal drainage, vessicular, clasts to pebbles, subangular , 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT493 | 377594 | 7042151 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil,till, open tundra, seasonal drainage, vessicular, clasts to pebbles, subangular , 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT494 | 383060 | 7040905 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage, edge of lake, vessicular, clasts to pebbles, subangular to rounded clasts, 95/5 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT495 | 384987 | 7041346 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Gry, Rɛ | No | "Frostboil,till, open tundra, vessicular, clasts to pebbles, subangular to well rounded, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT496 | 365943 | 7045215 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, vessicular, thixotropic, seasonal drainage, small clasts; subangular, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT497 | 368852 | 7046925 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, vessicular, thixotropic, small angular clasts, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Dry |
| 04SHT498 | 372961 | 7045074 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Gry, Rɛ | No | "Frostboil, till, seasonal drainage, lakes nearby, vessicular, thixotropic, small subangular, to angular clasts, 95/5 M/C ratio" | SH & JK | 7/16/2004 | Low | Dry |
| 04SHT499 | 374869 | 7047302 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage, lakes nearby, vessicular, thixotropic, small subangular, to angular clasts, 95/5 M/C ratio" | SH & JK | 7/16/2004 | Low | Dry |
| 04SHT500 | 373797 | 7052017 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage, vessicular, open tundra, small to medium clasts to pebbles, subangular, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Wet |
| 04SHT500D | 373797 | 7052017 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | Yes | "Frostboil, till, seasonal drainage, vessicular, open tundra, small to medium clasts to pebbles, subangular, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT501 | 371398 | 7050572 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil till,open tundra in the willows, lakes nearby, vessicular, clasts to pebbles, subangular to angular" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT502 | 366480 | 7050692 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake in willows, vessicular, clasts to pebbles, angular fragments, 95/5 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT503 | 363605 | 7050593 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake in willows, vessicular, clasts to pebbles, angular fragments, 95/5 M/C ratio" | SH & JK | 7/16/2004 | Low | Dry |
| 04SHT504 | 365288 | 7052758 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of elevated bedrock, subangular to angular clasts, vessicular, seasonal drainage, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Dry |
| 04SHT505 | 365731 | 7056781 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, clasts to pebbles, vessicular, subangular to subrounded, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT506 | 370463 | 7054738 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, thixotropic, open tundra, small clasts, subangular to angular, 95/5 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT507 | 374179 | 7054433 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, thixotropic, open tundra, small clasts, subangular to angular, 95/5 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT508 | 371321 | 7056918 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, no other samples available, subangular clasts" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT509 | 381846 | 7045327 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of very large lake, vessicular, thixotropic, small subrounded clasts, seasonal drainage" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT510 | 376744 | 7044676 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lakes, vessicular, clasts to pebbles, subrounded to subangular, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT511 | 377245 | 7048442 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of boulder field, vessicular, seasonal drainage area, subrounded clasts, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT512 | 379619 | 7048522 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of boulder field, vessicular, seasonal drainage area, subrounded clasts, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT513 | 377876 | 7051703 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of exposed bedrock, vessicular, thixotropic, clasts to pebbles, subangular to angular, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT514 | 381025 | 7052818 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, pennisula, clasts subangular, slightly vessicular, 90/10 M/C ratio, rounded pebbles, boulders in area" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT515 | 379697 | 7054231 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, boulder field, seasonal drainage, vessicular, slightly thixotropic, subangular small clasts, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Dry |
| 04SHT516 | 376904 | 7057041 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of boulder field, sandy, red sandstone, clasts around crater of boil, subangular to angular clasts" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT517 | 383814 | 7056124 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, pennisula, clasts subangular, vessicular, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Dry |
| 04SHT518 | 385251 | 7055513 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, seasonal drainage area, vessicular, thixotropic, clasts to pebbles, subangular to angular" | SH & JK | 7/16/2004 | Low | Dry |
| 04SHT519 | 388425 | 7052832 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, seasonal drainage area, vessicular, thixotropic, clasts to pebbles, subangular to angular" | SH & JK | 7/16/2004 | Low | Dry |
| 04SHT520 | 387605 | 7047036 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of large lake, vessicular, thixotropic, clasts to few pebbles, subangular to subrounded" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT520D | 387605 | 7047036 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | Yes | "Frostboil, till, edge of large lake, vessicular, thixotropic, clasts to few pebbles, subangular to subrounded" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT521 | 385444 | 7047497 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, thoxotrp[ioc, pennisular, subangular to subrounded clasts, drainage area, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT522 | 382956 | 7017460 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, island, vessicular, slightly thixotropic, small clasts, subangular, 90/10 M/C ratio" | SH & JK | 7/16/2004 | Low | Mst |
| 04SHT523 | 385258 | 7020080 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, edge of lake, clasts to pebbles, subangular to subrounded, 85/15 M/C ratio" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT524 | 376822 | 7018770 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Gry, Rɛ | No | "Frostboil, till, vessicular, small boulders, seasonal drainage, subangular to angular clasts, 90/10 M/C ratio" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT525 | 376015 | 7022926 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, seasonal outwash, clasts to pebbles; subangular to subrounded, 90/10 M/C ratio" | SH & JK | 7/17/2004 | Low | Dry |
| 04SHT526 | 379587 | 7022886 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, exposed bedrock in area, clasts to pebbles, subangular to angular, red sandstone, 90/10 M/C ratio" | SH & JK | 7/17/2004 | Low | Dry |
| 04SHT527 | 383241 | 7022042 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, near lakes, vessicular, small clasts, varying colours, angular to subangular, 90/10 M/C ratio" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT528 | 384587 | 7023264 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, small boulder field, clasts to pebbles, subangular to subrounded, 90/10 M/C ratio" | SH & JK | 7/17/2004 | Low | Dry |
| 04SHT529 | 380512 | 7025765 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, open tundra near some lakes, seasonal drainage area, subrounded small clasts" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT530 | 375941 | 7026418 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, open tundra very small angular clasts, variety of colours, 95/5 M/C ratio" | SH & JK | 7/17/2004 | Low | Dry |
| 04SHT531 | 377083 | 7028668 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil , till, vessicular, sllightly thixotropic, open tundra, clasts to pebbles, subangular, 95/5 M/C ratio" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT532 | 382532 | 7027305 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, seasonal drainage, small boulder field, clasts to pebbles, subangular, 90/10 M/C" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT533 | 386673 | 7026155 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till vessicular, seasonal drainage, small boulder field, same as above" | SH & JK | 7/17/2004 | Low | Dry |
| 04SHT534 | 387856 | 7017467 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, exposed bedrock in area, clasts to pebbles, subangular to angular clasts, 95/5 M/C ratio" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT535 | 391821 | 7016212 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage area, vessicular, clasts to pebbles, angular, 90/10 M/C ratio" | SH & JK | 7/17/2004 | Low | Dry |
| 04SHT536 | 393730 | 7018557 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage area, vessicular, clasts to pebbles, angular, 90/10 M/C ratio" | SH & JK | 7/17/2004 | Low | Dry |
| 04SHT537 | 397981 | 7015934 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Gry, Rɛ | No | "Frostboil, till, exposed bedrock in area, vessicular, clasts to pebbles, subangular to angular, 85/15 M/C ratio" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT538 | 399525 | 7019267 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, exposed bedrock in area, vessicular, very small clast size, angular to subangular, 95/5 M/C ratio" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT539 | 395076 | 7023395 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, exposed bedrock in area, vessicular, very small clast size, angular to subangular, 95/5 M/C ratio" | SH & JK | 7/17/2004 | Low | Dry |
| 04SHT540 | 392495 | 7023005 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, exposed bedrock everywhere, slightly vessicular, slightly washed, subangular small clasts, 90/10 M/C ratio" | SH & JK | 7/17/2004 | Low | Dry |
| 04SHT540D | 392495 | 7023005 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | Yes | "Frostboil, till, exposed bedrock everywhere, slightly vessicular, slightly washed, subangular small clasts, 90/10 M/C ratio" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT541 | 390532 | 7024097 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage, open tundra, clasts are subangular to angular, vessicular, thixotropic, 90/10 M/C ratio" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT542 | 389212 | 7028955 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage, edge of lake, clasts are subangular to angular, vessicular, 85/15 M/C ratio" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT543 | 392413 | 7027845 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage, edge of lake, clasts are subangular to angular, vessicular, 85/15 M/C ratio" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT544 | 399292 | 7027806 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage, exposed bedrock in area, clasts to pebbles, subangular to subrounded, 90/10 M/C ratio" | SH & JK | 7/17/2004 | Low | Dry |
| 04SHT545 | 399688 | 7031205 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, thixotropic, seasonal outwash, bedrock all over, subangular clasts, 90/10 M/C ratio" | SH & JK | 7/17/2004 | Low | Wet |
| | | | | | | | | | | | | | SH & JK | 7/17/2004 | Low | Wet |

| Sample | Easting | Northing | Year | Type | Gravel | Sand | Silt | Clay | Organics | Colour | Duplicate | COMMENTS | Sampler | DATE_ | RELIEF | MOISTURE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT546 | 394849 | 7030846 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake in hummocky terrain, vessicular, small clasts to pebbles, angular, 95/5 M/C ratio" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT547 | 390718 | 7031495 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, small olivine identified, edge of lake, vessicular, small subangular clasts" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT548 | 388189 | 7032683 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, hummocky terrain, seasonal drainage, clasts to pebbles, subangular, vessicular, 90/10 M/C ratio" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT549 | 391232 | 7034333 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, edge of lake, drainage area, clasts to pebbles, subangular to subrounded clasts" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT550 | 389058 | 7035766 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, edge of lake, drainage area, clasts to pebbles, subangular to subrounded clasts" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT551 | 390077 | 7037426 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, vessicular, very small angular clasts, variety of colours, 95/5 M/C ratio" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT552 | 394999 | 7035901 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of boulder field, vessicular, small to medium subangular to angular clasts, 95/5 M/C ratio" | SH & JK | 7/17/2004 | Low | Dry |
| 04SHT553 | 398302 | 7033992 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, boulder field, thixotropic, small drainage area area, subangular clasts to pebbles, 90/10 M/C ratio" | SH & JK | 7/17/2004 | Low | Dry |
| 04SHT554 | 399843 | 7036154 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, boulder field, thixotropic, small drainage area area, subangular clasts to pebbles, 90/10 M/C ratio" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT555 | 397706 | 7038249 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Gry, Re | No | "Frostboil, till, seasonal drainage area, vessicular, thixotropic, subangular clasts to pebbles, 90/10 M/C ratio" | SH & JK | 7/17/2004 | Low | Dry |
| 04SHT556 | 391450 | 7040813 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Gry, Re | No | "Frostboil, till, open tundra, vessicular, thixotropic, subangular to subrounded clasts to pebbles, 95/5 M/C ratio" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT557 | 396774 | 7041416 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage, open tundra, bedrock in area, vessicular, thixotropic, clasts to pebbles, subangular to angular clasts" | SH & JK | 7/17/2004 | Low | Dry |
| 04SHT564 | 388495 | 6985772 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Gry, Re | No | "Frostboil, till, edge of boulders, vessicular clasts to pebbles, subangular to angular, 90/10 M/C ratio" | SH & JK | 7/17/2004 | Low | Mst |
| 04SHT565 | 392807 | 6986921 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, clasts to pebbles, vessicular, red sandstone clasts present, seasonal drainage" | SH & SM | 7/22/2004 | Low | Dry |
| 04SHT566 | 397637 | 6985605 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Gry, Re | No | "Frostboil, till, open tundra, clasts to pebbles, vessicular, red sandstone clasts present, seasonal drainage" | SH & SM | 7/22/2004 | Low | Mst |
| 04SHT567 | 396196 | 6984268 | 2004 | Esker | 5 | 95 | 0 | 0 | 0 | "Red, Bı | No | "Esker, subrounded clasts, equigranular" | SH & SM | 7/22/2004 | Low | Dry |
| 04SHT568 | 389225 | 6982850 | 2004 | Esker | 5 | 95 | 0 | 0 | 0 | "Red, Bı | No | "Esker, subrounded clasts, equigranular" | SH & SM | 7/22/2004 | Low | Dry |
| 04SHT569 | 391189 | 6980378 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage, slightly vessicular, small subangular clasts, 90/10 M/C ratio" | SH & SM | 7/22/2004 | Low | Dry |
| 04SHT570 | 388277 | 6977162 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage, boulder field, slightly vessicular, small subangular clasts, 90/10 M/C ratio" | SH & SM | 7/22/2004 | Low | Mst |
| 04SHT571 | 393366 | 6973781 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Esker, clasts to pebbles, subrounded to rounded" | SH & SM | 7/22/2004 | Low | Mst |
| 04SHT572 | 394577 | 6977206 | 2004 | Esker | 5 | 95 | 0 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, boulder field, clasts to pebbles, subanguar to subrounded, 90/10 M/C ratio" | SH & SM | 7/22/2004 | Low | Mst |
| 04SHT573 | 384507 | 6987002 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Gry, Br | No | "Frostboil, till, vessicular, boulder field, clasts to pebbles, subanguar to subrounded, 90/10 M/C ratio" | SH & SM | 7/22/2004 | Low | Dry |
| 04SHT574 | 382097 | 6986175 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Gry, Re | No | "Esker, equigranular, rounded clasts, few pebbles" | SH & SM | 7/22/2004 | Low | Dry |
| 04SHT575 | 379335 | 6986573 | 2004 | Esker | 5 | 95 | 0 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, open tundra, clasts to pebbles, subangular to subrounded, 90/10 M/C ratio" | SH & SM | 7/22/2004 | Low | Dry |
| 04SHT576 | 381404 | 6983639 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, subangular clasts to pebbles, vessicular, thixotropic, red sandstone and gneissic clasts, 90/10 M/C ratio" | SH & SM | 7/22/2004 | Low | Dry |
| 04SHT577 | 383999 | 6981321 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Esker, equigranular clasts, subrounded to well-rounded clasts to pebbles" | SH & SM | 7/22/2004 | Low | Mst |
| 04SHT578 | 380763 | 6981061 | 2004 | Esker | 5 | 95 | 0 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of exposed bedrock, vessicular, clasts to pebbles, subangular to subrounded" | SH & SM | 7/22/2004 | Low | Mst |
| 04SHT579 | 377223 | 6980373 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Gry, Re | No | "Frostboil, till, vessicular, boulder field, clasts to pebbles, subanguar to subrounded, 90/10 M/C ratio" | SH & SM | 7/22/2004 | Low | Dry |
| 04SHT580 | 373789 | 6978453 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Gry, Re | No | "Frostboil, till, edge of lake and boulders, vessicular, clasts to pebbles, subangular, 90/10 M/C ratio" | SH & SM | 7/22/2004 | Low | Dry |
| 04SHT580D | 373789 | 6978453 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Gry, Re | Yes | "Frostboil, till, edge of lake and boulders, vessicular, clasts to pebbles, subangular, 90/10 M/C ratio" | SH & SM | 7/22/2004 | Low | Mst |
| 04SHT581 | 377609 | 6975641 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Gry, Re | No | "Frostboil, till, open tundra, vessicular, red sandstone clasts, angular clasts to subangular pebbles" | SH & SM | 7/22/2004 | Low | Mst |
| 04SHT582 | 381338 | 6976698 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, vessicular, red sandstone clasts, angular clasts to subangular pebbles" | SH & SM | 7/22/2004 | Low | Dry |
| 04SHT583 | 384689 | 6974198 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Gry, Re | No | "Frostboil, till, edge of lake, vessicular, clasts to small pebbles, angular to subangular clasts to pebbles" | SH & SM | 7/22/2004 | Low | Mst |
| 04SHT584 | 383412 | 6999084 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, near a river, vessicular, clasts to pebbles, subangular to angular clasts" | SH & SM | 7/22/2004 | Low | Dry |
| 04SHT585 | 379596 | 6998833 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Gry, Re | No | "Frostboil, till, open tundra, near a river, vessicular, clasts to pebbles, subangular to angular clasts" | SH & SM | 7/22/2004 | Low | Dry |
| 04SHT586 | 380492 | 7000556 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Gry, Re | No | "Frostboil, till, seasonal outwash drainage, vessicular, thixotropic, subangular to subrounded clasts" | SH & SM | 7/22/2004 | Low | Dry |
| 04SHT587 | 375925 | 6999488 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, boulder field, vessicular, thixotropic, clasts to pebbles, subangular to well-rounded clasts to pebbles" | SH & SM | 7/22/2004 | Low | Wet |
| 04SHT588 | 375257 | 6997369 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, vessicular, seasonal drainage, variety of clasts, subangular, 85/15 M/C ratio" | SH & SM | 7/22/2004 | Low | Dry |
| 04SHT589 | 378382 | 6996270 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of boulder field, vessicular, clasts are subangular to subrounded, 956/5 M/C rattio" | SH & SM | 7/22/2004 | Low | Mst |
| 04SHT590 | 383507 | 6996715 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, vessicular, hummocky area, variety of small clasts, subangular to angular" | SH & SM | 7/22/2004 | Low | Mst |
| 04SHT622 | 350047 | 7015176 | 2004 | Frost Boil | 15 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, boulders in area, clasts to pebbles, subangular to subrounded, 85/15 M/C ratio" | SH & SM | 7/22/2004 | Low | Dry |
| 04SHT623 | 357384 | 7015098 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of lake, seasonal drainage, vessicular, subangular clasts to pebbles" | SH & SM | 7/24/2004 | Low | Mst |
| 04SHT624 | 354406 | 7014004 | 2004 | Esker | 5 | 95 | 0 | 0 | 0 | "Red, Bı | No | "Esker, equigranular clasts to pebbles, subrounded to rounded" | SH & SM | 7/24/2004 | Low | Mst |
| 04SHT625 | 352171 | 7012937 | 2004 | Frost Boil | 15 | 80 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, open tundra, near boulders, small clast size, subangular to angular, 85/15 M/C ratio" | SH & SM | 7/24/2004 | Low | Dry |
| 04SHT626 | 352241 | 7008538 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, seasonal drainage, vessicular, clasts to pebbles, subangular to angular, variety of colours" | SH & SM | 7/24/2004 | Low | Mst |
| 04SHT627 | 351627 | 7005490 | 2004 | Frost Boil | 20 | 75 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of exposed bedrock, vessicular, clasts to pebbles, subangular to subrounded, 75/25 M/C ratio" | SH & SM | 7/24/2004 | Low | Mst |
| 04SHT628 | 354514 | 7005180 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of river valley, exposed bedrock in area, vessicular, variety of clasts to pebbles, subangular" | SH & SM | 7/24/2004 | Low | Mst |
| 04SHT629 | 356312 | 7006960 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, top of hill, vessicular, subangular to subrounded clasts to few pebbles, 95/5 M/C ratio" | SH & SM | 7/24/2004 | Low | Dry |
| 04SHT630 | 360930 | 7009405 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra, hummocky, rounded clasts, angular pebbles, variety of colours, 90/10 M/C ratio" | SH & SM | 7/24/2004 | Low | Dry |
| 04SHT631 | 359667 | 7007387 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage near a lake, small subangular clasts, angular pebbles, vessicular, 95/5 M/C ratio" | SH & SM | 7/24/2004 | Low | Mst |
| 04SHT632 | 359717 | 7003527 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage near a lake, small subangular clasts, angular pebbles, vessicular, 95/5 M/C ratio" | SH & SM | 7/24/2004 | Low | Mst |
| 04SHT633 | 359213 | 7000698 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of boulder field, subangular to subrounded clasts to pebbles, 95/5 M/C ratio" | SH & SM | 7/24/2004 | Low | Mst |
| 04SHT634 | 354019 | 7000909 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage, subangular clasts to pebbles, thixotropic, edge of lake" | SH & SM | 7/24/2004 | Low | Mst |
| 04SHT635 | 350670 | 7001017 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage, vessicular, thixotropic, subangular clasts, variety of colours" | SH & SM | 7/24/2004 | Low | Mst |
| 04SHT636 | 350324 | 6996063 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, frostboil haven, subrounded by nearby lakes, vessicular, subangular pebbles to clasts" | SH & SM | 7/24/2004 | Low | Dry |
| 04SHT637 | 354800 | 6998152 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, seasonal drainage, vessicular, angular clasts and pebbles, 90/10 M/C ratio" | SH & SM | 7/24/2004 | Low | Dry |
| 04SHT638 | 358314 | 6998455 | 2004 | Frost Boil | 5 | 90 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, open tundra in close proximity to a large lake, vessicular, clasts to pebbles, subangular, 95/5 M/C ratio" | SH & SM | 7/24/2004 | Low | Dry |
| 04SHT639 | 359443 | 6995716 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of exposed bedrock, vessicular, small subangular to angular clasts, 90/10 M/C ratio" | SH & SM | 7/24/2004 | Low | Mst |
| 04SHT640 | 357223 | 6994167 | 2004 | Esker | 5 | 95 | 0 | 0 | 0 | "Red, Bı | No | "Esker, equigranular clasts, subrounded to well-rounded clasts" | SH & SM | 7/24/2004 | Low | Dry |
| 04SHT640D | 357223 | 6994167 | 2004 | Esker | 5 | 95 | 0 | 0 | 0 | "Red, Bı | Yes | "Esker, equigranular clasts, subrounded to well-rounded clasts" | SH & SM | 7/24/2004 | Low | Dry |

| Sample | Easting | Northing | Year | Type | Gravel | Sand | Silt | Clay | Organics | Colour | Duplicate | COMMENTS | Sampler | DATE_ | RELIEF | MOISTURE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT641 | 352220 | 6993464 | 2004 | Esker | 5 | 95 | 0 | 0 | 0 | "Red, Bı | No | "Esker, equigranular well-rounded clasts, subrounded pebbles" | SH & SM | 7/24/2004 | Low | Dry |
| 04SHT642 | 349546 | 6990886 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of exposed bedrock and boulder field, vessicular, slightly thixotropic, 90/10 M/C ratio" | SH & SM | 7/24/2004 | Low | Mst |
| 04SHT643 | 350475 | 6989671 | 2004 | Frost Boil | 10 | 80 | 10 | 0 | 0 | "Red, Bı | No | "Frostboil, till, edge of exposed bedrock and boulder field, vessicular, slightly thixotropic, 90/10 M/C ratio" | SH & SM | 7/24/2004 | Low | Dry |
| 04SHT644 | 355285 | 6990043 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, boulder field nearby, vessicular, thixotropic, clasts to pebbles, subangular, 90/10 M/C ratio" | SH & SM | 7/24/2004 | Low | Dry |
| 04SHT645 | 360233 | 6991111 | 2004 | Frost Boil | 10 | 85 | 5 | 0 | 0 | "Red, Bı | No | "Frostboil, till, vessicular, clasts to pebbles, subangular, edge of lake,Shannon's last frostboil" | SH & SM | 7/24/2004 | Low | Dry |
| 04SHT591 | 372382 | 6986654 | 2004 | Till | 10 | 55 | 35 | | | Brown | No | "frost boil, very compact, abundant fine silt matrix, moderate pebbles" | SM + SH | 7/23/2004 | low | dry |
| 04SHT592 | 372725 | 6983484 | 2004 | Till | 15 | 55 | 30 | | | Brown | No | "frost boil, vesicular, abundant sr horfels cobbles, quartz rich sands, east of large lake" | SM + SH | 7/23/2004 | low | dry |
| 04SHT593 | 369467 | 6977937 | 2004 | Till | 5 | 60 | 35 | | | Brown | No | "frost boil, compact, muddy, abundant sands" | SM + SH | 7/23/2004 | low | dry |
| 04SHT594 | 363785 | 6978204 | 2004 | Till | 20 | 80 | | | | Brown | No | "esker till, 100% sands and gravels, thoroughly washed" | SM + SH | 7/23/2004 | low | dry |
| 04SHT595 | 363765 | 6978246 | 2004 | Till | 10 | 55 | 35 | | | Brown | No | "frost boil, compact, abundant brown sand matrix, abundant pebbles" | SM + SH | 7/23/2004 | low | dry |
| 04SHT596 | 356956 | 6978981 | 2004 | Till | 10 | 50 | 40 | | | Brown | No | "frost boil, compact, vesicular, sr mafic cobbles at suface, on peninsular flats" | SM + SH | 7/23/2004 | low | moist |
| 04SHT597 | 349438 | 6980105 | 2004 | Till | 5 | 60 | 35 | | | Brown | No | "frost boil, compact, vesicular, slightly muddy, sr larger pebbles scattered through sandy matrix" | SM + SH | 7/23/2004 | low | moist |
| 04SHT598 | 349709 | 6986634 | 2004 | Till | 10 | 50 | 35 | 5 | | Brown | No | "frost boil, compact, some clays, high silts and fines" | SM + SH | 7/23/2004 | low | moist |
| 04SHT599 | 355244 | 6986502 | 2004 | Till | 5 | 50 | 45 | | | Brown | No | "frost boil, compact, grey silt matrix, sparse pebbles, north of lake, large" | SM + SH | 7/23/2004 | low | moist |
| 04SHT600 | 359468 | 6984353 | 2004 | Till | 5 | 60 | 35 | | | Brown | No | "frost boil, compact, abundant sand matrix, lenes of greyer silts and fines, 200m NE of large lake" | SM + SH | 7/23/2004 | low | moist |
| 04SHT600D | 359468 | 6984353 | 2004 | Till | 5 | 60 | 35 | | | Brown | Yes | "frost boil, compact, abundant sand matrix, lenes of greyer silts and fines, 200m NE of large lake" | SM + SH | 7/23/2004 | low | moist |
| 04SHT601 | 362502 | 6987804 | 2004 | Till | 10 | 50 | 40 | | | Brown | No | "frost boil, compact, abundant fine silt and sand matrix, moderate sr felsic cobbles" | SM + SH | 7/23/2004 | low | moist |
| 04SHT602 | 364055 | 6984247 | 2004 | Till | 10 | 50 | 40 | | | Brown | No | "frost boil, compact, large vesicles, abundant small mafic pebbles throughout, 200m N of large lake" | SM + SH | 7/23/2004 | low | moist |
| 04SHT603 | 372945 | 6999003 | 2004 | Till | 15 | 50 | 35 | | | Brown | No | "frost boil, compact, vesicular, abundant sr felsic cobbles amid sandy matrix, near bedrock outcrop, some clay content" | SM + SH | 7/23/2004 | low | dry |
| 04SHT604 | 370377 | 6997028 | 2004 | Till | 15 | 50 | 30 | 5 | | Brown | No | "frost boil, thixotropic, abundant sa cobbles, varied lithologies" | SM + SH | 7/23/2004 | low | moist |
| 04SHT605 | 364999 | 6997145 | 2004 | Till | 5 | 40 | 50 | 5 | | Brown | No | "frost boil, compact, abundant silts and fine matrix, some clay content, sparse coarses" | SM + SH | 7/23/2004 | low | moist |
| 04SHT606 | 366249 | 6999332 | 2004 | Till | 5 | 55 | 40 | | | Brown | No | "frost boil, compact, vesicular, abundant fines in matrix, sparse pebble clasts" | SM + SH | 7/23/2004 | low | moist |
| 04SHT607 | 367175 | 7000750 | 2004 | Till | 10 | 90 | | | | Brown | No | "beach sand, thoroughly sorted and washed, quartz rich grains, on W shore of large lake" | SM + SH | 7/23/2004 | low | moist |
| 04SHT608 | 363680 | 7001932 | 2004 | Till | 10 | 55 | 35 | | | Brown | No | "frost boil, compact, vesicular, abundant sr felsic cobbles at surface, on hill beside bedrock" | SM + SH | 7/23/2004 | low | moist |
| 04SHT609 | 362506 | 7000754 | 2004 | Till | 10 | 45 | 45 | | | Brown | No | "frost boil, compact, vesicular, abundant sr felsic cobbles at surface, on hill beside bedrock" | SM + SH | 7/23/2004 | low | moist |
| 04SHT610 | 361648 | 6998108 | 2004 | Till | 10 | 55 | 35 | | | Brown | No | "frost boil, compact, vesicular, abundant brown sand matrix with sr felsic pebbles" | SM + SH | 7/23/2004 | low | dry |
| 04SHT611 | 362671 | 6994122 | 2004 | Till | 10 | 55 | 35 | | | Brown | No | "frost boil, compact, vesicular, abundant brown sand matrix with sr felsic pebbles" | SM + SH | 7/23/2004 | low | dry |
| 04SHT612 | 362869 | 6991901 | 2004 | Till | 10 | 45 | 45 | | | Brown | No | "frost boil, compact, vesicular, abundant silts and fine matrix sa mafic pebbles at surface" | SM + SH | 7/23/2004 | low | dry |
| 04SHT613 | 366133 | 6992703 | 2004 | Till | 20 | 80 | | | | Brown | No | "esker till, 100% dark sands and coarses, fully washed and sorted, on esker ridge W of large lake" | SM + SH | 7/23/2004 | low | dry |
| 04SHT614 | 370536 | 6994438 | 2004 | Till | 10 | 55 | 35 | | | Brown | No | "frost boil, compact, vesicular, mildly thixotropic, near large bedrock outcrop E of large lake" | SM + SH | 7/23/2004 | low | dry |
| 04SHT615 | 372324 | 6990561 | 2004 | Till | 10 | 60 | 30 | | | Brown | No | "frost boil, compact, vesicular, abundant fine sands in matrix, moderate cobbles at surface" | SM + SH | 7/23/2004 | low | dry |
| 04SHT616 | 372337 | 6990563 | 2004 | Till | 20 | 90 | | | | Brown | No | esker till | SM + SH | 7/23/2004 | low | dry |
| 04SHT617 | 375962 | 6989668 | 2004 | Till | 10 | 55 | 35 | | | Brown | No | frost boil | SM + SH | 7/23/2004 | low | dry |
| 04SHT618 | 380623 | 6993616 | 2004 | Till | 10 | 55 | 35 | | | Brown | No | "frost boil, compact, vesicular, abundant fine sand matrix with sr granitic pebbles" | SM + SH | 7/23/2004 | low | dry |
| 04SHT619 | 381204 | 6989845 | 2004 | Till | 10 | 55 | 35 | | | Brown | No | "frost boil, compact, vesicular, sparsley pebbled, mostly matrix, on hummocky flats" | SM + SH | 7/23/2004 | low | dry |
| 04SHT620 | 385081 | 6992316 | 2004 | Till | 5 | 60 | 35 | | | Brown | No | "frost boil, compacted wirh abundant vesicles, greyer fine sand matrix wirh coarse sand, quartz grains throughout" | SM + SH | 7/23/2004 | low | dry |
| 04SHT620D | 385081 | 6992316 | 2004 | Till | 5 | 60 | 35 | | | Brown | Yes | "frost boil, compacted wirh abundant vesicles, greyer fine sand matrix wirh coarse sand, quartz grains throughout" | SM + SH | 7/23/2004 | low | dry |
| 04SHT621 | 385074 | 6990305 | 2004 | Till | 10 | 55 | 35 | | | Brown | No | "frost boil, compact vesicular" | SM + SH | 7/23/2004 | low | moist |

# APPENDIX 2

## 2004 Baker Prospecting Permit Personnel

## 2004 Churchill Diamond Field Personnel

| Name | Position | Company | Dates Worked | # of Days worked | Address |
|---|---|---|---|---|---|
| Dean Besserer | Senior Supervisory | Apex Geoscience Ltd. | July 24;Aug 24 (supervising) - partial days | 1 | 131 Foxboro Landing, Sherwood Park, AB T8A 6C9 |
| Johanna Tuck | Project Geologist | Apex Geoscience Ltd. | June 21-24; July 7-Aug 25; Sept 8-30(supervising till sampling) - partial days | 5 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V8 |
| John Armstrong | Senior Geologist | Apex Geoscience Ltd. | July 8/04 (supervising) | 1 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V9 |
| Peter Whyte | Logistics | Apex Geoscience Ltd. | June 14-30; July 1-8,19-31; Aug 1,2-10,11-13,20-24,27-31; Sept 1-8, 20-30 (loggistics for till sampling) -partial days | 16 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V8 |
| Kevin Belshaw | Geological Assistant | Apex Geoscience Ltd. | July 18-27, 04 | 10 | 5802, 47 Ave., Beaumont, AB T6L 3M8 |
| Joe Kidston | Geologist | Apex Geoscience Ltd. | July 9-27, 04 | 19 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V12 |
| Shannon Hay | Geologist | Apex Geoscience Ltd. | July 9-27, 04 | 19 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V11 |
| Scott McCracken | Geologist | Apex Geoscience Ltd. | July 17-27, 04 | 11 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V11 |
| Isaia Ernerk | Misc. Labour | Apex Geoscience Ltd. | July 9-22, 04 | 14 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V12 |
| Johnny Kaput | Misc. Labour | Apex Geoscience Ltd. | July 9-27, 04 | 19 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V15 |
| Richard Shushack | Cook and First Aid | Consultant | July 9-27, 04 | 19 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V15 |
| Jen Burgess | Exploration Manager | Burgess Diamonds | June 5-18,20-30;July1-1; July12-29; Aug 19-31; Sept 1-30 - (manage till sampling program) - partial days | 16 | 5674 Annex Road, Sechelt, BC V0N 3A8 |

## 2004-2005 Churchill Diamond Office Personnel

| Name | Position | Company | Dates Worked | # of Days worked | Address |
|---|---|---|---|---|---|
| Saz Yaqzan | Geologist | Shear Minerals Ltd. | Aug 24-31; Sept 1-15; Oct 11-23, 05 - partial days | 12 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V8 |
| Pamela Strand | President | Shear Minerals Ltd. | March 1-20/05 - partial days | 5 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V8 |
| Norm Eaton | Accounting management | Shear Minerals Ltd. | October 20/05 | 1 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V8 |
| Alison Armstrong | Reporting | Consultant | July 5/04 | 1 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V8 |
| Jen Burgess | Exploration Manager | Burgess Diamonds | March 05 - October 05 (partial days) | 5 | 5674 Annex Road, Sechelt, BC V0N 3A8 |
| Barb Kupsch | Geologist | Apex Geoscience Ltd. | October 11-15/05 | 5 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V8 |
| Robyn Mann | Geologist | Apex Geoscience Ltd. | October 12/05 | 1.5 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V8 |
| Johanna Tuck | Project Geologist | Apex Geoscience Ltd. | Jan 5-9,12-16,19-21,23, 26-30; Feb 2-3,5,9-11,13,17-20,23-27; Mar 8-9,12,15-19, 27-28; June 1-2, 10-11,14-20, 25-29; Sept 7; Oct 26-27,29; Nov 1-5, 8-12,19,22-30; Dec 1-3, 6-15, 20 /04 (partial days) | 6 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V8 |
| Byron Wallis | Geological Technican | Apex Geoscience Ltd. | Jan 14-17, 21, 24, 28-29; Mar 10-19, 22-26,29-31; April 1,2,5-8; July 21-22; Aug 5, 19-20, 23, 25; Sept 21,22,24,27-29; Nov 15-18, 19, 26, 29-30; Dec 1-3, 6-11, 13-17,20-23,27-28/04 (partial days) | 6 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V10 |
| John Armstrong | Geologist | Apex Geoscience Ltd. | April 1-2; May 4,16,31; June 8-13,18; Sept 8,14,20; Nov 12,22; Dec 10,20-23/04; March 10-21/05 (partial days) | 10 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V11 |
| Joe Kidston | Geologist | Apex Geoscience Ltd. | Nov 10-12, 15-19, 22-26, 29,30; Dec 1-3, 6, 7-10,12-16, 20/04 (partial days) | 2 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V12 |
| Neal van Steenis | Geologist | Apex Geoscience Ltd. | Mar 4-5,8-9,15-19; June 18,21-24,28-30/04 (partial days) | 1.5 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V13 |
| Peter Whyte | Geological Technican | Apex Geoscience Ltd. | Jan 22-23,30; Feb 11-13,17-18,26; Mar 16,19; April 5-8, 13; May 5,6,11,17,26-28,31; June 1-4, 7-8,10-11; Nov 2-3,5,8-15,17,11-26,29-30; Dec 1-3,6-11,13-16,21,22 (partial days) | 2.5 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V8 |
| Kris Raffle | Senior Geologist/Core Logger | Apex Geoscience Ltd. | Feb 2,9,23; Mar 15-19, 22-26/04 | 0.5 | 1413-13910 Stony Plain Rd., Edmonton, |
| Michael Dufrense | Senior Supervisory | Apex Geoscience Ltd. | Jan 13,14,15, 18-22,12,26-28; Feb 13,18,23-26; Mar 1, 5-8,12,21,23,24; April 8-9,12,18,19,20-22; May 14-15,17,19,20,21,24,25,26,27-31; June 1,3,4,6,8-13, 14-15,25-26,28-30; Aug 29-31; Sept 2-8, 12-13; Oct 12-16,21-22,24,26-29; Nov 1-5,8-10,13-15,17; Dec 22-23,29-31/04 (partial days) | 6 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V8 |
| Dean Besserer | Senior Supervisory | Apex Geoscience Ltd. | Jan 2,5,6,7,12-13,19,20,21,23,27; Feb 2-5, 9-11,17-19,20; Mar 1,8,12,16-19,22-23; April 2,5,7-8,12-15,20-22,24,26,27,30; May 3-7,10-11,13-14,18,25-27,31; June 8-10,15-17,28-30; July 5-9,14,15,26,29; Oct | 3 | 131 Foxboro Landing, Sherwood Park, AB T8A 6C9 |
| Mike Dang | Computer Technican, G.I.S | Apex Geoscience Ltd. | Jan 7,9,20-23,26-29; Feb 2-6,9; Mar 17-18; April 2,5; June 22-28; Aug | 2 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V8 |
| Tanya Matveeva | Computer Technican, G.I.S | Apex Geoscience Ltd. | Jan 4-15-16,18,19,20-23,26,28-30; Feb 2-3, 9-11,18-19,23,26-27; April 1-2,6,8,12-14,16,20-23,26-28,29,30; Mar 1-3,16-19,23-26,29,30-31; May 3-7,10-14, 17-21,25-28,31; June 1-11, 14-30; July 1-9, 12-15, 21-23,26-27; Aug 19-20, 23-26; Sept 7-10,13-17,20-24,27-30; Oct 1,4-6,12,18-20, 22-23, 25-29; Nov 1-5, 8-10,12,16- | 18 | Suite 200, 9797 – 45 Ave, Edmonton, AB T6E 5V8 |

# APPENDIX 3

## Till Sample ICP Results

Baker ICP Results from SRC

| Sample | Easting | Northing | Ag_ppm | Al2O3 wt% | As_ppm | Ba_ppm | Be_ppm | Bi_ppm | CaOwt% | Cd_ppm | Co_ppm | Cr_ppm | Cu_ppm | Fe2O3_wt% | K2O_wt% | MgO wt% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST631 | 398151 | 6988951 | <0.2 | 1 | 1 | 48 | <0.5 | <1 | 0 | <1 | 2 | 130 | 3 | 2 | 0 | 0 |
| 04JST645 | 393564 | 6997943 | <0.2 | 1 | 1 | 46 | <0.5 | 1 | 0 | <1 | 2 | 137 | 5 | 2 | 0 | 0 |
| 04JST649 | 392887 | 6993366 | <0.2 | 1 | | 74 | <0.5 | <1 | 0 | <1 | 3 | 140 | 4 | 2 | 0 | 0 |
| 04JST650 | 393432 | 6990060 | <0.2 | 1 | 1 | 44 | <0.5 | <1 | 0 | <1 | 2 | 152 | 4 | 2 | 0 | 0 |
| 04JST659 | 388999 | 6987779 | <0.2 | 0 | 1 | 56 | <0.5 | <1 | 0 | <1 | 1 | 143 | 5 | 1 | 0 | 0 |
| 04SHT584 | 383412 | 6999084 | <0.2 | 1 | 1 | 70 | <0.5 | <1 | 0 | <1 | 4 | 92 | 4 | 2 | 0 | 0 |
| 04SHT585 | 379596 | 6998833 | <0.2 | 1 | 1 | 57 | <0.5 | <1 | 0 | <1 | 2 | 102 | 4 | 2 | 0 | 0 |
| 04SHT590 | 383507 | 6996715 | <0.2 | 1 | 1 | 63 | <0.5 | <1 | 0 | <1 | 2 | 102 | 3 | 2 | 0 | 0 |
| 04SHT592 | 372725 | 6983484 | <0.2 | 1 | 1 | 54 | <0.5 | <1 | 0 | <1 | 2 | 147 | 4 | 2 | 0 | 0 |
| 04SHT593 | 369467 | 6977937 | <0.2 | 0 | 1 | 49 | <0.5 | <1 | 0 | <1 | 2 | 88 | 3 | 1 | 0 | 0 |
| 04SHT597 | 349438 | 6980105 | <0.2 | 0 | | 28 | <0.5 | <1 | 0 | <1 | 2 | 46 | 2 | 1 | 0 | 0 |
| 04JST642 | 390284 | 6995993 | <0.2 | 1 | 1 | 48 | <0.5 | <1 | 0 | <1 | 2 | 94 | 4 | 2 | 0 | 0 |
| 04JST643 | 388659 | 6998287 | <0.2 | 1 | 1 | 54 | <0.5 | <1 | 0 | <1 | 3 | 94 | 9 | 2 | 0 | 0 |
| 04JST644 | 393721 | 7000673 | <0.2 | 1 | 1 | 57 | <0.5 | <1 | 0 | <1 | 2 | 100 | 4 | 2 | 0 | 0 |
| 04JST646 | 396595 | 6999055 | <0.2 | 0 | 1 | 28 | <0.5 | <1 | 0 | <1 | 2 | 109 | 4 | 2 | 0 | 0 |
| 04JST648 | 395723 | 6994275 | <0.2 | 1 | 1 | 29 | <0.5 | <1 | 0 | <1 | 1 | 84 | 3 | 2 | 0 | 0 |
| 04JST651 | 387728 | 7009664 | <0.2 | 1 | 1 | 52 | <0.5 | <1 | 0 | <1 | 2 | 117 | 3 | 2 | 0 | 0 |
| 04JST660 | 389267 | 6992031 | <0.2 | 1 | 1 | 47 | <0.5 | <1 | 0 | <1 | 1 | 93 | 3 | 2 | 0 | 0 |
| 04SHT564 | 388495 | 6985772 | <0.2 | 1 | 1 | 50 | <0.5 | 1 | 0 | <1 | 2 | 111 | 4 | 2 | 0 | 0 |
| 04SHT586 | 380492 | 7000556 | <0.2 | 0 | 1 | 37 | <0.5 | <1 | 0 | <1 | 2 | 47 | 3 | 2 | 0 | 0 |
| 04SHT587 | 375925 | 6999488 | <0.2 | 1 | 1 | 55 | <0.5 | <1 | 0 | <1 | 3 | 132 | 3 | 2 | 0 | 0 |
| 04SHT588 | 375257 | 6997369 | <0.2 | 1 | 1 | 66 | <0.5 | <1 | 0 | <1 | 2 | 131 | 4 | 2 | 0 | 0 |
| 04SHT589 | 378382 | 6996270 | <0.2 | 1 | | 48 | <0.5 | <1 | 0 | <1 | 2 | 108 | 4 | 2 | 0 | 0 |
| 04SHT591 | 372382 | 6986654 | <0.2 | 0 | 1 | 56 | <0.5 | <1 | 0 | <1 | 2 | 111 | 5 | 1 | 0 | 0 |
| 04SHT594 | 363785 | 6978204 | <0.2 | 1 | 1 | 51 | <0.5 | <1 | 1 | <1 | 6 | 182 | 4 | 3 | 0 | 1 |
| 04SHT595 | 363765 | 6978246 | <0.2 | 1 | 1 | 45 | <0.5 | <1 | 0 | <1 | 3 | 157 | 11 | 2 | 0 | 0 |
| 04SHT596 | 356956 | 6978981 | <0.2 | 0 | 1 | 54 | <0.5 | <1 | 0 | <1 | 4 | 98 | 3 | 1 | 0 | 0 |
| 04SHT598 | 349709 | 6986634 | <0.2 | 0 | | 42 | <0.5 | <1 | 0 | <1 | 2 | 80 | 3 | 1 | 0 | 0 |
| 04SHT599 | 355244 | 6986502 | <0.2 | 0 | 1 | 54 | <0.5 | <1 | 0 | <1 | 1 | 90 | 2 | 1 | 0 | 0 |
| 04SHT600 | 359468 | 6984353 | <0.2 | 0 | | 56 | <0.5 | <1 | 0 | <1 | 2 | 125 | 3 | 1 | 0 | 0 |
| 04SHT601 | 362502 | 6987804 | <0.2 | 1 | | 40 | <0.5 | <1 | 0 | <1 | 2 | 142 | 3 | 1 | 0 | 0 |
| 04SHT602 | 364055 | 6984247 | <0.2 | 0 | | 57 | <0.5 | <1 | 0 | <1 | 2 | 120 | 4 | 1 | 0 | 0 |
| 04JST417 | 419993 | 7015290 | <0.2 | 0 | 1 | 44 | <0.5 | <1 | 0 | <1 | 2 | 116 | 3 | 2 | 0 | 0 |
| 04JST420 | 423604 | 7016891 | <0.2 | 0 | 1 | 57 | <0.5 | <1 | 0 | <1 | 2 | 114 | 3 | 2 | 0 | 0 |
| 04JST421 | 423783 | 7020081 | <0.2 | 0 | 1 | 39 | <0.5 | <1 | 0 | <1 | 1 | 111 | 3 | 2 | 0 | 0 |
| 04JST423 | 422468 | 7027257 | <0.2 | 0 | 1 | 52 | <0.5 | <1 | 0 | <1 | 2 | 126 | 2 | 2 | 0 | 0 |
| 04JST424 | 420121 | 7026562 | <0.2 | 0 | 1 | 57 | <0.5 | <1 | 0 | <1 | 1 | 109 | 2 | 2 | 0 | 0 |
| 04JST429 | 410706 | 7025290 | <0.2 | 0 | 1 | 24 | <0.5 | <1 | 0 | <1 | 1 | 35 | 1 | 1 | 0 | 0 |
| 04JST430 | 407911 | 7022976 | <0.2 | 0 | 2 | 55 | <0.5 | <1 | 0 | <1 | 2 | 115 | 2 | 4 | 0 | 0 |

Baker ICP Results from SRC

| Sample | MnO_wt% | Mo_ppm | Na2O_wt% | Ni_ppm | P2O5_wt% | Pb_ppm | Sb_ppm | Sc_ppm | Sn_ppm | Sr_ppm | TiO2_wt% | V_ppm | W_ppm | Y_ppm | Zn_ppm | Zr_ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST631 | 0 | <1 | 0 | 7 | 0 | 4 | <1 | <1 | <1 | 23 | 0 | 22 | <1 | 4 | 9 | 8 |
| 04JST645 | 0 | <1 | 0 | 7 | 0 | 4 | <1 | 1 | <1 | 25 | 0 | 24 | 1 | 4 | 11 | 8 |
| 04JST649 | 0 | 1 | 0 | 7 | 0 | 4 | <1 | 1 | <1 | 28 | 0 | 25 | 1 | 5 | 13 | 10 |
| 04JST650 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | 1 | <1 | 25 | 0 | 21 | 1 | 4 | 11 | 9 |
| 04JST659 | 0 | <1 | 0 | 5 | 0 | 4 | <1 | <1 | <1 | 24 | 0 | 18 | <1 | 4 | 8 | 9 |
| 04SHT584 | 0 | <1 | 0 | 7 | 0 | 5 | <1 | <1 | <1 | 30 | 0 | 23 | 1 | 4 | 32 | 10 |
| 04SHT585 | 0 | <1 | 0 | 7 | 0 | 4 | <1 | 1 | <1 | 27 | 0 | 20 | 1 | 4 | 13 | 9 |
| 04SHT590 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | <1 | <1 | 27 | 0 | 22 | <1 | 4 | 11 | 8 |
| 04SHT592 | 0 | <1 | 0 | 5 | 0 | 3 | 1 | <1 | <1 | 27 | 0 | 20 | <1 | 4 | 10 | 7 |
| 04SHT593 | 0 | <1 | 0 | 5 | 0 | 4 | <1 | <1 | <1 | 27 | 0 | 16 | <1 | 5 | 9 | 7 |
| 04SHT597 | 0 | <1 | 0 | 4 | 0 | 4 | <1 | <1 | <1 | 20 | 0 | 12 | <1 | 4 | 7 | 7 |
| 04JST642 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | 1 | <1 | 26 | 0 | 24 | <1 | 4 | 12 | 9 |
| 04JST643 | 0 | <1 | 0 | 8 | 0 | 4 | <1 | 1 | <1 | 28 | 0 | 22 | <1 | 5 | 15 | 9 |
| 04JST644 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | 1 | <1 | 27 | 0 | 21 | 1 | 4 | 12 | 9 |
| 04JST646 | 0 | <1 | 0 | 4 | 0 | 5 | <1 | <1 | <1 | 20 | 0 | 20 | <1 | 3 | 12 | 7 |
| 04JST648 | 0 | <1 | 0 | 3 | 0 | 6 | <1 | <1 | <1 | 17 | 0 | 18 | <1 | 5 | 18 | 11 |
| 04JST651 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | <1 | <1 | 29 | 0 | 22 | 1 | 4 | 11 | 10 |
| 04JST660 | 0 | <1 | 0 | 4 | 0 | 4 | <1 | <1 | <1 | 24 | 0 | 19 | <1 | 4 | 12 | 9 |
| 04SHT564 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | 1 | <1 | 26 | 0 | 22 | 1 | 4 | 11 | 8 |
| 04SHT586 | 0 | <1 | 0 | 5 | 0 | 3 | <1 | <1 | <1 | 23 | 0 | 19 | <1 | 4 | 14 | 7 |
| 04SHT587 | 0 | <1 | 0 | 8 | 0 | 4 | <1 | 1 | <1 | 29 | 0 | 21 | <1 | 4 | 14 | 10 |
| 04SHT588 | 0 | <1 | 0 | 7 | 0 | 5 | <1 | 1 | <1 | 32 | 0 | 23 | <1 | 5 | 13 | 11 |
| 04SHT589 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | <1 | <1 | 26 | 0 | 23 | 1 | 4 | 14 | 9 |
| 04SHT591 | 0 | <1 | 0 | 5 | 0 | 4 | <1 | <1 | <1 | 27 | 0 | 18 | <1 | 5 | 10 | 9 |
| 04SHT594 | 0 | 1 | 0 | 15 | 0 | 5 | <1 | 2 | <1 | 35 | 0 | 45 | <1 | 4 | 29 | 3 |
| 04SHT595 | 0 | <1 | 0 | 9 | 0 | 6 | <1 | 1 | <1 | 29 | 0 | 25 | <1 | 5 | 16 | 8 |
| 04SHT596 | 0 | <1 | 0 | 7 | 0 | 6 | <1 | <1 | <1 | 28 | 0 | 17 | <1 | 5 | 12 | 11 |
| 04SHT598 | 0 | <1 | 0 | 5 | 0 | 5 | <1 | <1 | <1 | 25 | 0 | 13 | 1 | 4 | 9 | 10 |
| 04SHT599 | 0 | <1 | 0 | 5 | 0 | 3 | <1 | <1 | <1 | 28 | 0 | 14 | <1 | 4 | 17 | 10 |
| 04SHT600 | 0 | <1 | 0 | 5 | 0 | 3 | <1 | <1 | <1 | 26 | 0 | 14 | <1 | 4 | 11 | 10 |
| 04SHT601 | 0 | <1 | 0 | 15 | 0 | 4 | <1 | <1 | <1 | 27 | 0 | 17 | <1 | 4 | 21 | 9 |
| 04SHT602 | 0 | <1 | 0 | 5 | 0 | 3 | <1 | <1 | <1 | 28 | 0 | 17 | <1 | 4 | 11 | 10 |
| 04JST417 | 0 | 1 | 0 | 26 | 0 | 4 | <1 | <1 | 1 | 22 | 0 | 18 | <1 | 2 | 8 | 5 |
| 04JST420 | 0 | 1 | 0 | 9 | 0 | 4 | <1 | <1 | 1 | 23 | 0 | 17 | <1 | 2 | 11 | 6 |
| 04JST421 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | <1 | 1 | 21 | 0 | 16 | <1 | 2 | 15 | 4 |
| 04JST423 | 0 | 1 | 0 | 10 | 0 | 3 | <1 | <1 | 1 | 22 | 0 | 22 | 1 | 2 | 14 | 5 |
| 04JST424 | 0 | 1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 23 | 0 | 15 | <1 | 2 | 9 | 5 |
| 04JST429 | 0 | <1 | | 4 | 0 | 2 | <1 | <1 | <1 | 18 | 0 | 13 | <1 | 1 | 6 | 3 |
| 04JST430 | 0 | 1 | 0 | 8 | 0 | 5 | <1 | <1 | 1 | 28 | 0 | 43 | <1 | 2 | 19 | 6 |

Baker ICP Results from SRC

| Sample | Easting | Northing | Ag_ppm | Al2O3 wt% | As_ppm | Ba_ppm | Be_ppm | Bi_ppm | CaOwt% | Cd_ppm | Co_ppm | Cr_ppm | Cu_ppm | Fe2O3_wt% | K2O_wt% | MgO wt% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST431 | 410461 | 7020669 | <0.2 | 0 | 1 | 47 | <0.5 | <1 | 0 | <1 | 1 | 107 | 2 | 1 | 0 | 0 |
| 04JST432 | 408324 | 7017997 | <0.2 | 0 | 1 | 27 | <0.5 | <1 | 0 | <1 | 2 | 110 | 4 | 2 | 0 | 0 |
| 04JST434 | 406033 | 7016656 | <0.2 | 0 | 2 | 51 | <0.5 | <1 | 0 | <1 | 1 | 115 | 2 | 1 | 0 | 0 |
| 04JST435 | 400766 | 7017254 | <0.2 | 0 | 1 | 37 | <0.5 | <1 | 0 | <1 | 1 | 123 | 2 | 2 | 0 | 0 |
| 04JST453 | 360081 | 7061451 | <0.2 | 0 | 2 | 28 | <0.5 | <1 | 0 | <1 | 1 | 51 | 1 | 1 | 0 | 0 |
| 04JST455 | 369282 | 7058999 | <0.2 | 0 | 1 | 47 | <0.5 | <1 | 0 | <1 | 1 | 115 | 1 | 2 | 0 | 0 |
| 04JST484 | 352306 | 7056629 | <0.2 | 0 | 2 | 160 | <0.5 | <1 | 0 | <1 | 3 | 94 | 4 | 2 | 0 | 0 |
| 04JST485 | 355304 | 7053230 | <0.2 | 0 | 2 | 130 | <0.5 | <1 | 0 | <1 | 2 | 97 | 3 | 2 | 0 | 0 |
| 04JST486 | 352929 | 7052236 | <0.2 | 1 | 2 | 57 | <0.5 | <1 | 0 | <1 | 2 | 95 | 3 | 2 | 0 | 0 |
| 04JST487 | 356883 | 7051765 | <0.2 | 0 | 2 | 130 | <0.5 | <1 | 0 | <1 | 3 | 104 | 3 | 2 | 0 | 0 |
| 04JST488 | 357922 | 7049595 | <0.2 | 0 | 3 | 121 | <0.5 | <1 | 1 | <1 | 2 | 140 | 4 | 2 | 0 | 0 |
| 04JST489 | 358286 | 7046938 | <0.2 | 1 | 3 | 110 | <0.5 | <1 | 0 | <1 | 3 | 97 | 4 | 2 | 0 | 0 |
| 04JST490 | 354914 | 7046000 | <0.2 | 1 | 3 | 55 | <0.5 | <1 | 0 | <1 | 2 | 96 | 3 | 2 | 0 | 0 |
| 04JST491 | 351741 | 7045796 | <0.2 | 1 | 3 | 64 | <0.5 | <1 | 0 | <1 | 3 | 96 | 4 | 2 | 0 | 0 |
| 04JST492 | 360858 | 7045259 | <0.2 | 0 | 2 | 70 | <0.5 | <1 | 0 | <1 | 2 | 100 | 3 | 2 | 0 | 0 |
| 04JST493 | 362112 | 7050204 | <0.2 | 0 | 1 | 46 | <0.5 | <1 | 0 | <1 | 1 | 106 | 2 | 2 | 0 | 0 |
| 04JST494 | 361227 | 7052832 | <0.2 | 0 | 1 | 54 | <0.5 | <1 | 0 | <1 | 2 | 107 | 4 | 2 | 0 | 0 |
| 04JST495 | 361636 | 7057518 | <0.2 | 0 | 1 | 43 | <0.5 | <1 | 0 | <1 | 1 | 128 | 2 | 1 | 0 | 0 |
| 04JST496 | 360842 | 7031515 | <0.2 | 1 | 2 | 55 | <0.5 | <1 | 0 | <1 | 3 | 104 | 4 | 2 | 0 | 0 |
| 04JST497 | 358540 | 7034152 | <0.2 | 1 | 2 | 76 | <0.5 | <1 | 0 | <1 | 3 | 103 | 4 | 2 | 0 | 0 |
| 04JST498 | 356301 | 7030828 | <0.2 | 1 | 2 | 52 | <0.5 | <1 | 0 | <1 | 4 | 73 | 4 | 2 | 0 | 0 |
| 04JST499 | 354366 | 7035197 | <0.2 | 1 | 2 | 56 | <0.5 | <1 | 0 | <1 | 3 | 155 | 4 | 2 | 0 | 0 |
| 04JST500 | 350699 | 7033287 | <0.2 | 1 | 2 | 68 | <0.5 | <1 | 0 | <1 | 3 | 91 | 4 | 2 | 0 | 0 |
| 04JST501 | 351260 | 7036155 | <0.2 | 1 | 2 | 96 | <0.5 | <1 | 0 | <1 | 5 | 78 | 5 | 2 | 0 | 0 |
| 04JST502 | 354685 | 7038573 | <0.2 | 1 | 2 | 88 | <0.5 | <1 | 0 | <1 | 2 | 88 | 4 | 2 | 0 | 0 |
| 04JST503 | 355814 | 7040615 | <0.2 | 0 | 2 | 89 | <0.5 | <1 | 0 | <1 | 3 | 89 | 4 | 2 | 0 | 0 |
| 04JST504 | 355019 | 7042910 | <0.2 | 1 | 2 | 72 | <0.5 | <1 | 0 | <1 | 3 | 107 | 3 | 2 | 0 | 0 |
| 04JST505 | 358894 | 7042945 | <0.2 | 0 | 2 | 70 | <0.5 | <1 | 0 | <1 | 3 | 99 | 3 | 2 | 0 | 0 |
| 04JST506 | 361853 | 7042368 | <0.2 | 0 | 2 | 73 | <0.5 | <1 | 0 | <1 | 2 | 96 | 3 | 2 | 0 | 0 |
| 04JST507 | 361709 | 7038431 | <0.2 | 1 | 2 | 56 | <0.5 | <1 | 0 | <1 | 2 | 103 | 3 | 2 | 0 | 0 |
| 04JST508 | 359741 | 7037203 | <0.2 | 0 | 2 | 57 | <0.5 | <1 | 0 | <1 | 2 | 112 | 4 | 2 | 0 | 0 |
| 04JST509 | 360512 | 7024549 | <0.2 | 1 | 3 | 53 | <0.5 | <1 | 0 | <1 | 2 | 98 | 4 | 2 | 0 | 0 |
| 04JST510 | 357387 | 7025169 | <0.2 | 1 | 1 | 41 | <0.5 | <1 | 0 | <1 | 3 | 118 | 3 | 2 | 0 | 0 |
| 04JST511 | 355455 | 7025044 | <0.2 | 1 | 2 | 48 | <0.5 | <1 | 0 | <1 | 2 | 104 | 3 | 2 | 0 | 0 |
| 04JST512 | 356866 | 7022542 | <0.2 | 1 | 2 | 49 | <0.5 | <1 | 0 | <1 | 2 | 99 | 4 | 2 | 0 | 0 |
| 04JST513 | 358476 | 7019698 | <0.2 | 1 | 1 | 40 | <0.5 | <1 | 0 | <1 | 2 | 92 | 3 | 2 | 0 | 0 |
| 04JST514 | 354362 | 7018717 | <0.2 | 0 | 2 | 41 | <0.5 | <1 | 0 | <1 | 1 | 84 | 2 | 1 | 0 | 0 |
| 04JST515 | 350572 | 7020607 | <0.2 | 0 | 1 | 40 | <0.5 | <1 | 0 | <1 | 3 | 101 | 3 | 1 | 0 | 0 |
| 04JST516 | 350616 | 7023532 | <0.2 | 0 | 2 | 56 | <0.5 | <1 | 0 | <1 | 4 | 93 | 3 | 2 | 0 | 0 |

Baker ICP Results from SRC

| Sample | MnO_wt% | Mo_ppm | Na2O_wt% | Ni_ppm | P2O5_wt% | Pb_ppm | Sb_ppm | Sc_ppm | Sn_ppm | Sr_ppm | TiO2_wt% | V_ppm | W_ppm | Y_ppm | Zn_ppm | Zr_ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST431 | 0 | 1 | 0 | 8 | 0 | 3 | <1 | <1 | 1 | 28 | 0 | 11 | <1 | 2 | 12 | 4 |
| 04JST432 | 0 | <1 | 0 | 7 | 0 | 3 | <1 | <1 | 1 | 24 | 0 | 22 | <1 | 2 | 13 | 3 |
| 04JST434 | 0 | 1 | 0 | 6 | 0 | 2 | <1 | <1 | 1 | 23 | 0 | 11 | <1 | 2 | 9 | 4 |
| 04JST435 | 0 | 1 | 0 | 7 | 0 | 3 | <1 | <1 | 1 | 23 | 0 | 19 | <1 | 2 | 10 | 5 |
| 04JST453 | 0 | <1 | | 5 | 0 | 2 | <1 | <1 | 1 | 24 | 0 | 11 | <1 | 1 | 6 | 4 |
| 04JST455 | 0 | 1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 29 | 0 | 14 | <1 | 1 | 8 | 6 |
| 04JST484 | 0 | 1 | 0 | 10 | 0 | 6 | <1 | <1 | 2 | 36 | 0 | 20 | <1 | 3 | 14 | 9 |
| 04JST485 | 0 | <1 | 0 | 9 | 0 | 5 | <1 | <1 | 2 | 36 | 0 | 19 | <1 | 3 | 12 | 9 |
| 04JST486 | 0 | 1 | 0 | 9 | 0 | 4 | <1 | <1 | 2 | 32 | 0 | 19 | <1 | 3 | 13 | 6 |
| 04JST487 | 0 | 1 | 0 | 9 | 0 | 5 | <1 | <1 | 1 | 34 | 0 | 22 | <1 | 3 | 12 | 8 |
| 04JST488 | 0 | <1 | 0 | 9 | 0 | 4 | <1 | <1 | 2 | 43 | 0 | 19 | <1 | 3 | 11 | 9 |
| 04JST489 | 0 | <1 | 0 | 9 | 0 | 5 | <1 | 1 | 2 | 38 | 0 | 22 | <1 | 4 | 13 | 9 |
| 04JST490 | 0 | 1 | 0 | 10 | 0 | 5 | <1 | 1 | 2 | 33 | 0 | 21 | <1 | 3 | 13 | 8 |
| 04JST491 | 0 | <1 | 0 | 10 | 0 | 6 | <1 | 1 | 2 | 34 | 0 | 27 | <1 | 4 | 16 | 8 |
| 04JST492 | 0 | <1 | 0 | 8 | 0 | 5 | <1 | <1 | 2 | 33 | 0 | 25 | <1 | 3 | 13 | 9 |
| 04JST493 | 0 | 1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 26 | 0 | 20 | <1 | 2 | 12 | 8 |
| 04JST494 | 0 | 1 | 0 | 7 | 0 | 4 | <1 | <1 | 1 | 30 | 0 | 21 | <1 | 2 | 12 | 8 |
| 04JST495 | 0 | 1 | 0 | 5 | 0 | 3 | <1 | <1 | <1 | 29 | 0 | 13 | <1 | 2 | 6 | 8 |
| 04JST496 | 0 | 1 | 0 | 10 | 0 | 5 | <1 | 1 | 2 | 32 | 0 | 24 | <1 | 4 | 18 | 6 |
| 04JST497 | 0 | 1 | 0 | 10 | 0 | 5 | <1 | 1 | 2 | 35 | 0 | 22 | <1 | 4 | 13 | 9 |
| 04JST498 | 0 | <1 | 0 | 8 | 0 | 6 | <1 | 1 | 2 | 30 | 0 | 20 | <1 | 4 | 14 | 8 |
| 04JST499 | 0 | <1 | 0 | 9 | 0 | 5 | <1 | 1 | 2 | 33 | 0 | 21 | <1 | 4 | 12 | 6 |
| 04JST500 | 0 | <1 | 0 | 9 | 0 | 5 | <1 | 1 | 1 | 32 | 0 | 18 | <1 | 4 | 12 | 10 |
| 04JST501 | 0 | 1 | 0 | 12 | 0 | 8 | <1 | 1 | 2 | 36 | 0 | 22 | <1 | 5 | 14 | 9 |
| 04JST502 | 0 | <1 | 0 | 8 | 0 | 5 | <1 | 1 | 2 | 37 | 0 | 21 | <1 | 4 | 12 | 8 |
| 04JST503 | 0 | <1 | 0 | 9 | 0 | 5 | <1 | 1 | 2 | 34 | 0 | 21 | <1 | 3 | 12 | 9 |
| 04JST504 | 0 | 1 | 0 | 9 | 0 | 5 | <1 | 1 | 2 | 33 | 0 | 26 | <1 | 4 | 13 | 9 |
| 04JST505 | 0 | 1 | 0 | 9 | 0 | 5 | <1 | <1 | 1 | 32 | 0 | 22 | <1 | 3 | 11 | 9 |
| 04JST506 | 0 | <1 | 0 | 9 | 0 | 4 | <1 | <1 | 2 | 31 | 0 | 20 | <1 | 3 | 11 | 9 |
| 04JST507 | 0 | 1 | 0 | 12 | 0 | 5 | <1 | 1 | 2 | 31 | 0 | 20 | <1 | 4 | 11 | 9 |
| 04JST508 | 0 | 1 | 0 | 8 | 0 | 4 | <1 | 1 | 2 | 30 | 0 | 21 | <1 | 3 | 11 | 9 |
| 04JST509 | 0 | 1 | 0 | 7 | 0 | 5 | <1 | 1 | 2 | 29 | 0 | 20 | <1 | 4 | 13 | 8 |
| 04JST510 | 0 | 1 | 0 | 8 | 0 | 6 | <1 | 1 | 2 | 29 | 0 | 25 | 1 | 4 | 14 | 7 |
| 04JST511 | 0 | 1 | 0 | 8 | 0 | 5 | <1 | 1 | 2 | 30 | 0 | 18 | <1 | 4 | 15 | 8 |
| 04JST512 | 0 | 1 | 0 | 7 | 0 | 4 | <1 | 1 | 2 | 28 | 0 | 19 | <1 | 4 | 11 | 7 |
| 04JST513 | 0 | 1 | 0 | 7 | 0 | 5 | <1 | 1 | 2 | 27 | 0 | 19 | <1 | 4 | 11 | 6 |
| 04JST514 | 0 | <1 | 0 | 5 | 0 | 4 | <1 | <1 | 1 | 28 | 0 | 16 | <1 | 4 | 11 | 5 |
| 04JST515 | 0 | 1 | 0 | 7 | 0 | 5 | <1 | <1 | 2 | 26 | 0 | 16 | <1 | 4 | 11 | 6 |
| 04JST516 | 0 | 1 | 0 | 8 | 0 | 6 | <1 | <1 | 2 | 31 | 0 | 18 | <1 | 5 | 11 | 7 |

Baker ICP Results from SRC

| Sample | Easting | Northing | Ag_ppm | Al2O3 wt% | As_ppm | Ba_ppm | Be_ppm | Bi_ppm | CaOwt% | Cd_ppm | Co_ppm | Cr_ppm | Cu_ppm | Fe2O3_wt% | K2O_wt% | MgO wt% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST517 | 353198 | 7026732 | <0.2 | 1 | 4 | 51 | <0.5 | 5 | 0 | <1 | 3 | 142 | 4 | 2 | 0 | 0 |
| 04JST518 | 352828 | 7029436 | <0.2 | 0 | 2 | 33 | <0.5 | <1 | 0 | <1 | 1 | 74 | 3 | 1 | 0 | 0 |
| 04JST519 | 355490 | 7028355 | <0.2 | 1 | 2 | 38 | <0.5 | <1 | 0 | <1 | 2 | 85 | 3 | 1 | 0 | 0 |
| 04JST520 | 357013 | 7029278 | <0.2 | 1 | 2 | 50 | <0.5 | <1 | 0 | <1 | 3 | 79 | 4 | 2 | 0 | 0 |
| 04JST521 | 358671 | 7027532 | <0.2 | 1 | 4 | 50 | <0.5 | 1 | 0 | <1 | 2 | 96 | 4 | 2 | 0 | 0 |
| 04JST522 | 363397 | 7027527 | <0.2 | 1 | 3 | 74 | <0.5 | <1 | 0 | <1 | 4 | 79 | 4 | 2 | 0 | 0 |
| 04JST523 | 362649 | 7024937 | <0.2 | 1 | 2 | 68 | <0.5 | 1 | 0 | <1 | 4 | 101 | 4 | 2 | 0 | 0 |
| 04JST524 | 363979 | 7019628 | <0.2 | 1 | 2 | 59 | <0.5 | <1 | 0 | <1 | 3 | 103 | 4 | 2 | 0 | 0 |
| 04JST525 | 367429 | 7017677 | <0.2 | 1 | 2 | 54 | <0.5 | <1 | 0 | <1 | 2 | 86 | 4 | 2 | 0 | 0 |
| 04JST526 | 370872 | 7016576 | <0.2 | 1 | 2 | 60 | <0.5 | 1 | 0 | <1 | 3 | 102 | 4 | 2 | 0 | 0 |
| 04JST527 | 370992 | 7020765 | <0.2 | 1 | 2 | 46 | <0.5 | <1 | 0 | <1 | 3 | 94 | 3 | 2 | 0 | 0 |
| 04JST528 | 367165 | 7021740 | <0.2 | 1 | 2 | 51 | <0.5 | <1 | 0 | <1 | 3 | 135 | 7 | 2 | 0 | 0 |
| 04JST529 | 365637 | 7024355 | <0.2 | 1 | 2 | 83 | <0.5 | <1 | 0 | <1 | 5 | 88 | 6 | 2 | 0 | 0 |
| 04JST530 | 366788 | 7026146 | <0.2 | 1 | 2 | 50 | <0.5 | <1 | 0 | <1 | 3 | 93 | 3 | 2 | 0 | 0 |
| 04JST531 | 368747 | 7027298 | <0.2 | 1 | 2 | 62 | <0.5 | <1 | 0 | <1 | 2 | 90 | 4 | 2 | 0 | 0 |
| 04JST532 | 372037 | 7025391 | <0.2 | 1 | 2 | 49 | <0.5 | <1 | 0 | <1 | 2 | 109 | 3 | 2 | 0 | 0 |
| 04JST533 | 373357 | 7028852 | <0.2 | 0 | 3 | 99 | <0.5 | <1 | 0 | <1 | 3 | 106 | 3 | 2 | 0 | 0 |
| 04JST534 | 371061 | 7031355 | <0.2 | 0 | 2 | 94 | <0.5 | <1 | 0 | <1 | 4 | 94 | 5 | 2 | 0 | 0 |
| 04JST535 | 373880 | 7032675 | <0.2 | 1 | 2 | 59 | <0.5 | <1 | 0 | <1 | 2 | 108 | 4 | 1 | 0 | 0 |
| 04JST538 | 364208 | 7043528 | <0.2 | 0 | 2 | 115 | <0.5 | <1 | 0 | <1 | 2 | 108 | 4 | 2 | 0 | 0 |
| 04JST539 | 363622 | 7039952 | <0.2 | 1 | 2 | 84 | <0.5 | <1 | 0 | <1 | 2 | 112 | 3 | 2 | 0 | 0 |
| 04JST540 | 366470 | 7036590 | <0.2 | 0 | 2 | 90 | <0.5 | <1 | 0 | <1 | 2 | 67 | 3 | 2 | 0 | 0 |
| 04JST541 | 363776 | 7035964 | <0.2 | 1 | 2 | 112 | <0.5 | <1 | 1 | <1 | 3 | 145 | 5 | 2 | 0 | 0 |
| 04JST542 | 364673 | 7031246 | <0.2 | 1 | 2 | 78 | <0.5 | <1 | 0 | <1 | 3 | 82 | 3 | 2 | 0 | 0 |
| 04JST543 | 368056 | 7030444 | <0.2 | 0 | 2 | 96 | <0.5 | <1 | 0 | <1 | 4 | 79 | 3 | 2 | 0 | 0 |
| 04JST544 | 369117 | 7035180 | <0.2 | 0 | 2 | 62 | <0.5 | <1 | 0 | <1 | 2 | 81 | 3 | 2 | 0 | 0 |
| 04JST545 | 372874 | 7036397 | <0.2 | 0 | 2 | 106 | <0.5 | <1 | 0 | <1 | 3 | 103 | 3 | 2 | 0 | 0 |
| 04JST546 | 374285 | 7039331 | <0.2 | 0 | 1 | 84 | <0.5 | <1 | 0 | <1 | 2 | 102 | 3 | 2 | 0 | 0 |
| 04JST547 | 403044 | 7040596 | <0.2 | 0 | 1 | 52 | <0.5 | <1 | 0 | <1 | 2 | 97 | 2 | 2 | 0 | 0 |
| 04JST548 | 401138 | 7036785 | <0.2 | 0 | 1 | 65 | <0.5 | <1 | 0 | <1 | 1 | 93 | 2 | 2 | 0 | 0 |
| 04JST549 | 404840 | 7036309 | <0.2 | 0 | 1 | 52 | <0.5 | <1 | 0 | <1 | 1 | 91 | 2 | 2 | 0 | 0 |
| 04JST550 | 407323 | 7036198 | <0.2 | 0 | 1 | 56 | <0.5 | <1 | 0 | <1 | 1 | 101 | 2 | 2 | 0 | 0 |
| 04JST551 | 405002 | 7032388 | <0.2 | 1 | 1 | 70 | <0.5 | <1 | 0 | <1 | 3 | 161 | 6 | 2 | 0 | 0 |
| 04JST552 | 400734 | 7031418 | <0.2 | 0 | 1 | 78 | <0.5 | <1 | 0 | <1 | 1 | 91 | 2 | 1 | 0 | 0 |
| 04JST553 | 405983 | 7029685 | <0.2 | 0 | 1 | 54 | <0.5 | <1 | 0 | <1 | 1 | 101 | 2 | 1 | 0 | 0 |
| 04JST554 | 411076 | 7034592 | <0.2 | 0 | 1 | 68 | <0.5 | <1 | 0 | <1 | 1 | 78 | 2 | 1 | 0 | 0 |
| 04JST555 | 411216 | 7031640 | <0.2 | 0 |  | 47 | <0.5 | <1 | 0 | <1 | 1 | 92 | 2 | 1 | 0 | 0 |
| 04JST556 | 411173 | 7039094 | <0.2 | 0 | 1 | 43 | <0.5 | <1 | 0 | <1 | 1 | 77 | 2 | 1 | 0 | 0 |
| 04JST557 | 411462 | 7041840 | <0.2 | 0 | 1 | 47 | <0.5 | <1 | 0 | <1 | 1 | 105 | 2 | 1 | 0 | 0 |

Baker ICP Results from SRC

| Sample | MnO_wt% | Mo_ppm | Na2O_wt% | Ni_ppm | P2O5_wt% | Pb_ppm | Sb_ppm | Sc_ppm | Sn_ppm | Sr_ppm | TiO2_wt% | V_ppm | W_ppm | Y_ppm | Zn_ppm | Zr_ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST517 | 0 | <1 | 0 | 8 | 0 | 20 | 67 | 1 | 2 | 29 | 0 | 17 | <1 | 4 | 11 | 9 |
| 04JST518 | 0 | <1 | 0 | 6 | 0 | 5 | <1 | <1 | 2 | 26 | 0 | 13 | <1 | 4 | 10 | 6 |
| 04JST519 | 0 | 1 | 0 | 7 | 0 | 5 | <1 | 1 | 2 | 27 | 0 | 17 | <1 | 4 | 12 | 5 |
| 04JST520 | 0 | <1 | 0 | 7 | 0 | 5 | <1 | 1 | 2 | 30 | 0 | 19 | <1 | 4 | 14 | 7 |
| 04JST521 | 0 | 1 | 0 | 8 | 0 | 20 | 105 | 1 | 2 | 31 | 0 | 21 | <1 | 4 | 14 | 4 |
| 04JST522 | 0 | <1 | 0 | 9 | 0 | 6 | <1 | 1 | 3 | 35 | 0 | 24 | <1 | 5 | 14 | 5 |
| 04JST523 | 0 | 1 | 0 | 9 | 0 | 6 | <1 | 1 | 2 | 32 | 0 | 24 | <1 | 5 | 13 | 6 |
| 04JST524 | 0 | 1 | 0 | 8 | 0 | 6 | <1 | 1 | 3 | 32 | 0 | 25 | <1 | 5 | 15 | 7 |
| 04JST525 | 0 | <1 | 0 | 7 | 0 | 5 | <1 | 1 | 3 | 31 | 0 | 21 | <1 | 5 | 15 | 5 |
| 04JST526 | 0 | 1 | 0 | 7 | 0 | 6 | <1 | 1 | 2 | 32 | 0 | 21 | <1 | 4 | 12 | 6 |
| 04JST527 | 0 | 1 | 0 | 7 | 0 | 5 | <1 | 1 | 2 | 30 | 0 | 20 | <1 | 4 | 13 | 7 |
| 04JST528 | 0 | <1 | 0 | 11 | 0 | 7 | <1 | 1 | 3 | 31 | 0 | 27 | <1 | 6 | 18 | 4 |
| 04JST529 | 0 | <1 | 0 | 10 | 0 | 7 | <1 | 1 | 2 | 35 | 0 | 23 | <1 | 5 | 13 | 5 |
| 04JST530 | 0 | 1 | 0 | 8 | 0 | 6 | <1 | 1 | 2 | 32 | 0 | 23 | <1 | 4 | 19 | 6 |
| 04JST531 | 0 | <1 | 0 | 7 | 0 | 5 | <1 | 1 | 3 | 32 | 0 | 24 | <1 | 4 | 12 | 8 |
| 04JST532 | 0 | <1 | 0 | 7 | 0 | 5 | <1 | 1 | 2 | 30 | 0 | 24 | <1 | 4 | 12 | 7 |
| 04JST533 | 0 | 1 | 0 | 8 | 0 | 6 | <1 | 1 | 2 | 35 | 0 | 23 | <1 | 4 | 12 | 9 |
| 04JST534 | 0 | 1 | 0 | 8 | 0 | 7 | <1 | 1 | 2 | 32 | 0 | 22 | <1 | 4 | 10 | 7 |
| 04JST535 | 0 | <1 | 0 | 8 | 0 | 4 | <1 | 1 | 2 | 29 | 0 | 18 | <1 | 3 | 11 | 8 |
| 04JST538 | 0 | <1 | 0 | 7 | 0 | 5 | <1 | 1 | 2 | 35 | 0 | 21 | <1 | 3 | 10 | 10 |
| 04JST539 | 0 | 1 | 0 | 8 | 0 | 5 | <1 | 1 | 2 | 34 | 0 | 19 | <1 | 3 | 10 | 8 |
| 04JST540 | 0 | <1 | 0 | 6 | 0 | 5 | <1 | <1 | 3 | 28 | 0 | 20 | <1 | 3 | 10 | 7 |
| 04JST541 | 0 | 1 | 0 | 9 | 0 | 5 | <1 | 1 | 1 | 45 | 0 | 21 | <1 | 4 | 12 | 7 |
| 04JST542 | 0 | <1 | 0 | 7 | 0 | 5 | <1 | 1 | 2 | 33 | 0 | 21 | <1 | 4 | 11 | 8 |
| 04JST543 | 0 | 1 | 0 | 8 | 0 | 6 | <1 | 1 | 3 | 31 | 0 | 18 | <1 | 4 | 11 | 5 |
| 04JST544 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | 1 | 2 | 31 | 0 | 18 | <1 | 3 | 10 | 5 |
| 04JST545 | 0 | 1 | 0 | 8 | 0 | 6 | <1 | <1 | 2 | 30 | 0 | 19 | <1 | 3 | 10 | 8 |
| 04JST546 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | <1 | 3 | 30 | 0 | 18 | <1 | 3 | 8 | 6 |
| 04JST547 | 0 | 1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 21 | 0 | 15 | <1 | 2 | 7 | 5 |
| 04JST548 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | <1 | 24 | 0 | 16 | <1 | 2 | 6 | 5 |
| 04JST549 | 0 | 1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 23 | 0 | 18 | <1 | 2 | 8 | 5 |
| 04JST550 | 0 | 1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 23 | 0 | 15 | 1 | 2 | 7 | 5 |
| 04JST551 | 0 | <1 | 0 | 9 | 0 | 4 | <1 | 1 | 2 | 27 | 0 | 27 | <1 | 3 | 14 | 5 |
| 04JST552 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 26 | 0 | 13 | <1 | 3 | 7 | 7 |
| 04JST553 | 0 | 1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 24 | 0 | 14 | 1 | 2 | 6 | 6 |
| 04JST554 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 20 | 0 | 15 | <1 | 2 | 9 | 6 |
| 04JST555 | 0 | <1 | 0 | 4 | 0 | 2 | <1 | <1 | <1 | 20 | 0 | 12 | <1 | 2 | 8 | 5 |
| 04JST556 | 0 | <1 | 0 | 3 | 0 | 2 | <1 | <1 | 1 | 19 | 0 | 14 | <1 | 2 | 7 | 3 |
| 04JST557 | 0 | <1 | 0 | 5 | 0 | 2 | <1 | <1 | 1 | 19 | 0 | 9 | <1 | 2 | 6 | 5 |

Baker ICP Results from SRC

| Sample | Easting | Northing | Ag_ppm | Al2O3 wt% | As_ppm | Ba_ppm | Be_ppm | Bi_ppm | CaOwt% | Cd_ppm | Co_ppm | Cr_ppm | Cu_ppm | Fe2O3_wt% | K2O_wt% | MgO wt% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST558 | 406552 | 7042234 | <0.2 | 0 | 1 | 67 | <0.5 | <1 | 0 | <1 | 1 | 96 | 2 | 2 | 0 | 0 |
| 04JST672 | 385198 | 7012906 | <0.2 | 0 | 2 | 66 | <0.5 | <1 | 0 | <1 | 3 | 91 | 4 | 2 | 0 | 0 |
| 04SHT574 | 382097 | 6986175 | <0.2 | 0 | 1 | 56 | <0.5 | <1 | 0 | <1 | 2 | 100 | 3 | 2 | 0 | 0 |
| 04SHT576 | 381404 | 6983639 | <0.2 | 1 | 3 | 57 | <0.5 | <1 | 0 | <1 | 2 | 87 | 3 | 1 | 0 | 0 |
| 04SHT583 | 384689 | 6974198 | <0.2 | 1 | 1 | 36 | <0.5 | <1 | 0 | <1 | 2 | 109 | 2 | 2 | 0 | 0 |
| 04SHT606 | 366249 | 6999332 | <0.2 | 1 | 2 | 53 | <0.5 | <1 | 0 | <1 | 2 | 115 | 3 | 2 | 0 | 0 |
| 04SHT607 | 367175 | 7000750 | <0.2 | 1 | 2 | 47 | <0.5 | <1 | 0 | <1 | 2 | 100 | 3 | 2 | 0 | 0 |
| 04SHT611 | 362671 | 6994122 | <0.2 | 1 | 2 | 40 | <0.5 | <1 | 0 | <1 | 1 | 82 | 3 | 2 | 0 | 0 |
| 04SHT615 | 372324 | 6990561 | <0.2 | 0 | 2 | 40 | <0.5 | <1 | 0 | <1 | 1 | 95 | 2 | 1 | 0 | 0 |
| 04JST379 | 409905 | 7091336 | <0.2 | 0 | 2 | 98 | <0.5 | <1 | 0 | <1 | 3 | 97 | 2 | 2 | 0 | 0 |
| 04JST380 | 406547 | 7091269 | <0.2 | 0 | 1 | 165 | <0.5 | <1 | 0 | <1 | 2 | 84 | 2 | 2 | 0 | 0 |
| 04JST381 | 403704 | 7090720 | <0.2 | 0 | 1 | 136 | <0.5 | <1 | 0 | <1 | 2 | 117 | 3 | 2 | 0 | 0 |
| 04JST384 | 411098 | 7087432 | <0.2 | 0 | 2 | 164 | <0.5 | <1 | 0 | <1 | 2 | 115 | 3 | 2 | 0 | 0 |
| 04JST386 | 402885 | 7084826 | <0.2 | 1 | 2 | 61 | <0.5 | <1 | 3 | <1 | 2 | 96 | 2 | 1 | 0 | 0 |
| 04JST388 | 396038 | 7096734 | <0.2 | 0 | 1 | 96 | <0.5 | <1 | 0 | <1 | 1 | 120 | 2 | 1 | 0 | 0 |
| 04JST390 | 406268 | 7095121 | 0.3 | 0 | 2 | 193 | <0.5 | <1 | 0 | <1 | 3 | 98 | 2 | 3 | 0 | 0 |
| 04JST396 | 396780 | 7090683 | <0.2 | 0 | 1 | 65 | <0.5 | <1 | 0 | <1 | 2 | 90 | 2 | 1 | 0 | 0 |
| 04JST410 | 383414 | 7092188 | <0.2 | 0 | 1 | 64 | <0.5 | <1 | 0 | <1 | 2 | 126 | 2 | 2 | 0 | 0 |
| 04SHT380 | 352929 | 7075350 | <0.2 | 0 | 1 | 52 | <0.5 | <1 | 0 | <1 | 2 | 148 | 1 | 2 | 0 | 0 |
| 04SHT381 | 358998 | 7073327 | <0.2 | 0 | 1 | 61 | <0.5 | <1 | 0 | <1 | 2 | 204 | 3 | 2 | 0 | 0 |
| 04SHT382 | 361724 | 7074298 | <0.2 | 0 | 2 | 95 | <0.5 | <1 | 0 | <1 | 1 | 113 | 1 | 1 | 0 | 0 |
| 04SHT383 | 364125 | 7075454 | <0.2 | 0 | 1 | 267 | <0.5 | <1 | 0 | <1 | 1 | 93 | 2 | 2 | 0 | 0 |
| 04SHT384 | 358728 | 7076035 | <0.2 | 0 | 1 | 74 | <0.5 | <1 | 0 | <1 | 1 | 122 | 2 | 1 | 0 | 0 |
| 04SHT385 | 353777 | 7078412 | <0.2 | 0 | 1 | 40 | <0.5 | <1 | 0 | <1 | 1 | 107 | 2 | 1 | 0 | 0 |
| 04SHT386 | 362217 | 7079644 | <0.2 | 0 | 1 | 78 | <0.5 | 5 | 0 | <1 | 1 | 171 | 2 | 2 | 0 | 0 |
| 04SHT387 | 357828 | 7081882 | <0.2 | 0 | 1 | 64 | <0.5 | <1 | 0 | <1 | | 110 | 1 | 1 | 0 | 0 |
| 04SHT388 | 353840 | 7082917 | <0.2 | 0 | 1 | 44 | <0.5 | <1 | 0 | <1 | 2 | 152 | 2 | 2 | 0 | 0 |
| 04SHT389 | 356289 | 7085034 | <0.2 | 0 | 1 | 34 | <0.5 | <1 | 0 | <1 | 1 | 110 | 1 | 1 | 0 | 0 |
| 04SHT390 | 359417 | 7082762 | <0.2 | 0 | 1 | 38 | <0.5 | <1 | 0 | <1 | 1 | 131 | 1 | 1 | 0 | 0 |
| 04SHT391 | 363871 | 7082452 | <0.2 | 0 | 2 | 165 | <0.5 | <1 | 0 | <1 | 2 | 187 | 3 | 2 | 0 | 0 |
| 04SHT392 | 363958 | 7084542 | <0.2 | 0 | 1 | 85 | <0.5 | <1 | 0 | <1 | 2 | 109 | 2 | 1 | 0 | 0 |
| 04SHT393 | 367618 | 7089210 | <0.2 | 0 | 1 | 62 | <0.5 | <1 | 0 | <1 | 2 | 93 | 1 | 2 | 0 | 0 |
| 04SHT394 | 370128 | 7089174 | 0.2 | 0 | 1 | 157 | <0.5 | <1 | 0 | <1 | 1 | 153 | 2 | 3 | 0 | 0 |
| 04SHT395 | 374156 | 7087104 | <0.2 | 0 | 1 | 44 | <0.5 | <1 | 0 | <1 | 2 | 144 | 1 | 2 | 0 | 0 |
| 04SHT396 | 376401 | 7089324 | <0.2 | 0 | 1 | 121 | <0.5 | <1 | 0 | <1 | 2 | 76 | 1 | 2 | 0 | 0 |
| 04SHT397 | 371842 | 7090799 | 0.2 | 0 | 1 | 190 | <0.5 | <1 | 0 | <1 | 2 | 123 | 2 | 3 | 0 | 0 |
| 04SHT398 | 369233 | 7090977 | <0.2 | 0 | 1 | 157 | <0.5 | <1 | 0 | <1 | 2 | 125 | 2 | 2 | 0 | 0 |
| 04SHT399 | 367419 | 7094182 | <0.2 | 0 | 1 | 174 | <0.5 | <1 | 0 | <1 | 2 | 96 | 1 | 2 | 0 | 0 |
| 04SHT400 | 372141 | 7094557 | <0.2 | 0 | 1 | 57 | <0.5 | <1 | 0 | <1 | 1 | 120 | 1 | 1 | 0 | 0 |

Baker ICP Results from SRC

| Sample | MnO_wt% | Mo_ppm | Na2O_wt% | Ni_ppm | P2O5_wt% | Pb_ppm | Sb_ppm | Sc_ppm | Sn_ppm | Sr_ppm | TiO2_wt% | V_ppm | W_ppm | Y_ppm | Zn_ppm | Zr_ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST558 | 0 | 1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 24 | 0 | 18 | <1 | 2 | 7 | 6 |
| 04JST672 | 0 | <1 | 0 | 7 | 0 | 4 | <1 | <1 | 1 | 27 | 0 | 19 | <1 | 3 | 11 | 8 |
| 04SHT574 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | <1 | 1 | 24 | 0 | 20 | <1 | 4 | 10 | 8 |
| 04SHT576 | 0 | <1 | 0 | 6 | 0 | 5 | <1 | <1 | 2 | 27 | 0 | 17 | <1 | 4 | 11 | 8 |
| 04SHT583 | 0 | 1 | 0 | 6 | 0 | 4 | <1 | <1 | 2 | 22 | 0 | 20 | <1 | 3 | 11 | 4 |
| 04SHT606 | 0 | <1 | 0 | 8 | 0 | 4 | <1 | <1 | 2 | 27 | 0 | 18 | 1 | 4 | 12 | 8 |
| 04SHT607 | 0 | 1 | 0 | 7 | 0 | 5 | <1 | 1 | 2 | 26 | 0 | 23 | 1 | 3 | 15 | 5 |
| 04SHT611 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | <1 | 2 | 25 | 0 | 18 | <1 | 4 | 12 | 7 |
| 04SHT615 | 0 | 1 | 0 | 5 | 0 | 3 | <1 | <1 | 2 | 24 | 0 | 13 | <1 | 3 | 10 | 7 |
| 04JST379 | 0 | <1 | 0 | 5 | 0 | 4 | <1 | <1 | 1 | 19 | 0 | 17 | <1 | 4 | 10 | 7 |
| 04JST380 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 21 | 0 | 17 | <1 | 4 | 9 | 7 |
| 04JST381 | 0 | 1 | 0 | 14 | 0 | 3 | <1 | <1 | 1 | 20 | 0 | 21 | <1 | 3 | 10 | 7 |
| 04JST384 | 0 | 1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 22 | 0 | 18 | <1 | 3 | 9 | 7 |
| 04JST386 | 0 | <1 | 0 | 5 | 0 | 3 | <1 | <1 | <1 | 133 | 0 | 16 | <1 | 4 | 10 | 5 |
| 04JST388 | 0 | 1 | 0 | 4 | 0 | 2 | <1 | <1 | 1 | 20 | 0 | 10 | <1 | 3 | 7 | 8 |
| 04JST390 | 0 | 1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 22 | 0 | 34 | <1 | 4 | 12 | 8 |
| 04JST396 | 0 | <1 | 0 | 4 | 0 | 2 | <1 | <1 | 1 | 18 | 0 | 12 | <1 | 3 | 8 | 6 |
| 04JST410 | 0 | 1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 23 | 0 | 18 | <1 | 3 | 9 | 7 |
| 04SHT380 | 0 | 1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 27 | 0 | 15 | <1 | 2 | 6 | 7 |
| 04SHT381 | 0 | <1 | 0 | 7 | 0 | 4 | <1 | <1 | 1 | 31 | 0 | 17 | <1 | 2 | 8 | 9 |
| 04SHT382 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 24 | 0 | 12 | <1 | 2 | 7 | 6 |
| 04SHT383 | 0 | 1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 39 | 0 | 16 | <1 | 2 | 6 | 7 |
| 04SHT384 | 0 | <1 | 0 | 5 | 0 | 3 | <1 | <1 | 2 | 28 | 0 | 10 | <1 | 2 | 7 | 8 |
| 04SHT385 | 0 | <1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 31 | 0 | 10 | <1 | 2 | 6 | 7 |
| 04SHT386 | 0 | 1 | 0 | 6 | 0 | 4 | <1 | <1 | 1 | 32 | 0 | 18 | <1 | 2 | 9 | 9 |
| 04SHT387 | 0 | <1 | 0 | 4 | 0 | 2 | <1 | <1 | 1 | 29 | 0 | 6 | <1 | 1 | 4 | 4 |
| 04SHT388 | 0 | <1 | 0 | 7 | 0 | 4 | <1 | <1 | 2 | 32 | 0 | 21 | <1 | 2 | 9 | 7 |
| 04SHT389 | 0 | 1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 30 | 0 | 10 | 1 | 1 | 5 | 6 |
| 04SHT390 | 0 | 1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 30 | 0 | 12 | <1 | 2 | 6 | 6 |
| 04SHT391 | 0 | 1 | 0 | 6 | 0 | 4 | <1 | <1 | <1 | 36 | 0 | 18 | <1 | 2 | 7 | 8 |
| 04SHT392 | 0 | <1 | 0 | 5 | 0 | 3 | <1 | <1 | 2 | 30 | 0 | 15 | <1 | 2 | 7 | 7 |
| 04SHT393 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 22 | 0 | 17 | <1 | 2 | 6 | 5 |
| 04SHT394 | 0 | 1 | 0 | 5 | 0 | 4 | <1 | <1 | 1 | 28 | 0 | 26 | <1 | 2 | 9 | 9 |
| 04SHT395 | 0 | 1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 23 | 0 | 15 | <1 | 2 | 8 | 7 |
| 04SHT396 | 0 | <1 | 0 | 4 | 0 | 4 | <1 | <1 | 1 | 38 | 0 | 20 | <1 | 2 | 9 | 6 |
| 04SHT397 | 0 | 1 | 0 | 5 | 0 | 4 | <1 | <1 | 1 | 27 | 0 | 33 | <1 | 2 | 10 | 8 |
| 04SHT398 | 0 | <1 | 0 | 4 | 0 | 4 | <1 | <1 | 1 | 31 | 0 | 23 | <1 | 2 | 7 | 8 |
| 04SHT399 | 0 | 1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 26 | 0 | 18 | <1 | 2 | 6 | 6 |
| 04SHT400 | 0 | 1 | 0 | 4 | 0 | 2 | <1 | <1 | 1 | 21 | 0 | 14 | <1 | 2 | 6 | 6 |

Baker ICP Results from SRC

| Sample | Easting | Northing | Ag_ppm | Al2O3 wt% | As_ppm | Ba_ppm | Be_ppm | Bi_ppm | CaOwt% | Cd_ppm | Co_ppm | Cr_ppm | Cu_ppm | Fe2O3_wt% | K2O_wt% | MgO wt% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT401 | 376439 | 7094049 | <0.2 | 0 | 1 | 185 | <0.5 | <1 | 0 | <1 | 2 | 213 | 3 | 2 | 0 | 0 |
| 04SHT402 | 377358 | 7098220 | <0.2 | 0 | 1 | 355 | <0.5 | <1 | 0 | <1 | 2 | 79 | 2 | 2 | 0 | 0 |
| 04SHT403 | 375189 | 7096559 | 0.8 | 1 | 2 | 50 | 0.5 | <1 | 0 | <1 | 5 | 111 | 3 | 8 | 0 | 0 |
| 04SHT404 | 370736 | 7096793 | <0.2 | 0 | 1 | 61 | <0.5 | <1 | 0 | <1 | 1 | 102 | 1 | 1 | 0 | 0 |
| 04SHT405 | 368702 | 7097543 | <0.2 | 1 | 2 | 58 | <0.5 | <1 | 0 | <1 | 2 | 150 | 2 | 2 | 0 | 0 |
| 04SHT432 | 380093 | 7072251 | <0.2 | 0 | 1 | 135 | <0.5 | <1 | 0 | <1 | 1 | 126 | 2 | 2 | 0 | 0 |
| 04SHT433 | 379615 | 7073922 | <0.2 | 0 | 1 | 53 | <0.5 | <1 | 0 | <1 | 1 | 115 | 1 | 2 | 0 | 0 |
| 04SHT434 | 377381 | 7076806 | <0.2 | 0 | | 41 | <0.5 | <1 | 0 | <1 | 1 | 92 | 1 | 2 | 0 | 0 |
| 04SHT436 | 381101 | 7077970 | <0.2 | 0 | 1 | 188 | <0.5 | <1 | 0 | <1 | 2 | 92 | 2 | 2 | 0 | 0 |
| 04SHT437 | 382496 | 7079998 | <0.2 | 0 | | 159 | <0.5 | <1 | 0 | <1 | 2 | 86 | 2 | 2 | 0 | 0 |
| 04SHT438 | 387170 | 7076889 | <0.2 | 0 | | 97 | <0.5 | <1 | 0 | <1 | 2 | 92 | 2 | 1 | 0 | 0 |
| 04SHT439 | 386870 | 7080782 | <0.2 | 0 | 1 | 146 | <0.5 | <1 | 0 | <1 | 2 | 80 | 2 | 2 | 0 | 0 |
| 04SHT440 | 388634 | 7083689 | <0.2 | 0 | 1 | 51 | <0.5 | <1 | 0 | <1 | 1 | 88 | 2 | 1 | 0 | 0 |
| 04SHT441 | 385344 | 7083564 | <0.2 | 0 | 1 | 107 | <0.5 | <1 | 0 | <1 | 2 | 92 | 2 | 1 | 0 | 0 |
| 04SHT442 | 385008 | 7082084 | <0.2 | 0 | 1 | 98 | <0.5 | <1 | 0 | <1 | 2 | 98 | 2 | 1 | 0 | 0 |
| 04SHT443 | 380115 | 7084082 | <0.2 | 0 | 1 | 49 | <0.5 | <1 | 0 | <1 | 2 | 86 | 2 | 1 | 0 | 0 |
| 04SHT471 | 424725 | 7031805 | <0.2 | 0 | 1 | 65 | <0.5 | <1 | 0 | <1 | 1 | 132 | 2 | 2 | 0 | 0 |
| 04SHT472 | 422237 | 7029935 | <0.2 | 0 | | 51 | <0.5 | <1 | 0 | <1 | 1 | 101 | 2 | 2 | 0 | 0 |
| 04SHT473 | 418283 | 7033735 | <0.2 | 0 | 1 | 53 | <0.5 | <1 | 0 | <1 | 2 | 230 | 3 | 3 | 0 | 0 |
| 04SHT474 | 416865 | 7030889 | <0.2 | 0 | 1 | 46 | <0.5 | <1 | 0 | <1 | 1 | 103 | 2 | 2 | 0 | 0 |
| 04SHT475 | 413592 | 7030559 | <0.2 | 0 | 1 | 46 | <0.5 | <1 | 0 | <1 | 1 | 97 | 2 | 2 | 0 | 0 |
| 04SHT477 | 397950 | 7045088 | <0.2 | 0 | | 104 | <0.5 | <1 | 0 | <1 | 3 | 127 | 3 | 2 | 0 | 0 |
| 04SHT478 | 396374 | 7047704 | <0.2 | 0 | 1 | 86 | <0.5 | <1 | 0 | <1 | 2 | 93 | 2 | 2 | 0 | 0 |
| 04SHT479 | 394427 | 7047196 | <0.2 | 0 | 1 | 108 | <0.5 | <1 | 0 | <1 | 2 | 107 | 2 | 1 | 0 | 0 |
| 04SHT480 | 392962 | 7043686 | <0.2 | 0 | 1 | 53 | <0.5 | <1 | 0 | <1 | 2 | 84 | 2 | 2 | 0 | 0 |
| 04SHT482 | 388349 | 7048468 | 0.3 | 0 | 1 | 86 | <0.5 | <1 | 0 | <1 | 2 | 203 | 3 | 3 | 0 | 0 |
| 04SHT509 | 381846 | 7045327 | <0.2 | 0 | | 45 | <0.5 | <1 | 0 | <1 | 1 | 142 | 2 | 1 | 0 | 0 |
| 04SHT510 | 376744 | 7044676 | <0.2 | 0 | 1 | 52 | <0.5 | <1 | 0 | <1 | 1 | 125 | 2 | 1 | 0 | 0 |
| 04SHT511 | 377245 | 7048442 | <0.2 | 0 | 1 | 45 | <0.5 | <1 | 0 | <1 | 1 | 123 | 2 | 2 | 0 | 0 |
| 04SHT512 | 379619 | 7048522 | <0.2 | 0 | | 78 | <0.5 | <1 | 0 | <1 | 2 | 70 | 1 | 2 | 0 | 0 |
| 04SHT513 | 377876 | 7051703 | <0.2 | 0 | 1 | 74 | <0.5 | <1 | 0 | <1 | 2 | 104 | 2 | 2 | 0 | 0 |
| 04SHT515 | 379697 | 7054231 | <0.2 | 0 | 1 | 63 | <0.5 | <1 | 0 | <1 | 1 | 120 | 2 | 1 | 0 | 0 |
| 04SHT516 | 376904 | 7057041 | <0.2 | 0 | 1 | 48 | <0.5 | <1 | 0 | <1 | 1 | 133 | 2 | 2 | 0 | 0 |
| 04SHT517 | 383814 | 7056124 | <0.2 | 0 | 1 | 59 | <0.5 | <1 | 0 | <1 | 1 | 108 | 2 | 2 | 0 | 0 |
| 04SHT518 | 385251 | 7055513 | <0.2 | 0 | 1 | 138 | <0.5 | <1 | 0 | <1 | 2 | 90 | 2 | 2 | 0 | 0 |
| 04SHT519 | 388425 | 7052832 | <0.2 | 0 | 1 | 77 | <0.5 | <1 | 0 | <1 | 2 | 102 | 1 | 2 | 0 | 0 |
| 04SHT521 | 385444 | 7047497 | <0.2 | 0 | 1 | 31 | <0.5 | <1 | 0 | <1 | 1 | 114 | 2 | 2 | 0 | 0 |
| 04SHT545 | 399688 | 7031205 | <0.2 | 0 | 1 | 59 | <0.5 | <1 | 0 | <1 | 2 | 111 | 2 | 2 | 0 | 0 |
| 04SHT547 | 390718 | 7031495 | <0.2 | 0 | 1 | 57 | <0.5 | <1 | 0 | <1 | 1 | 123 | 2 | 2 | 0 | 0 |

Baker ICP Results from SRC

| Sample | MnO_wt% | Mo_ppm | Na2O_wt% | Ni_ppm | P2O5_wt% | Pb_ppm | Sb_ppm | Sc_ppm | Sn_ppm | Sr_ppm | TiO2_wt% | V_ppm | W_ppm | Y_ppm | Zn_ppm | Zr_ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT401 | 0 | <1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 27 | 0 | 13 | <1 | 3 | 7 | 9 |
| 04SHT402 | 0 | <1 | 0 | 3 | 0 | 3 | <1 | <1 | 1 | 37 | 0 | 17 | <1 | 3 | 7 | 7 |
| 04SHT403 | 0 | 1 | 0 | 6 | 0 | 10 | 2 | <1 | 1 | 44 | 0 | 94 | <1 | 3 | 24 | 11 |
| 04SHT404 | 0 | <1 | 0 | 3 | 0 | 3 | <1 | <1 | 1 | 21 | 0 | 12 | <1 | 2 | 6 | 7 |
| 04SHT405 | 0 | 1 | 0 | 6 | 0 | 4 | <1 | <1 | 2 | 44 | 0 | 22 | <1 | 2 | 13 | 5 |
| 04SHT432 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | <1 | 25 | 0 | 21 | <1 | 2 | 7 | 6 |
| 04SHT433 | 0 | 1 | 0 | 3 | 0 | 3 | <1 | <1 | <1 | 26 | 0 | 15 | <1 | 2 | 6 | 7 |
| 04SHT434 | 0 | <1 | 0 | 3 | 0 | 2 | <1 | <1 | <1 | 24 | 0 | 15 | <1 | 2 | 6 | 7 |
| 04SHT436 | 0 | 1 | 0 | 4 | 0 | 3 | <1 | <1 | <1 | 23 | 0 | 17 | <1 | 2 | 7 | 7 |
| 04SHT437 | 0 | <1 | 0 | 5 | 0 | 3 | <1 | <1 | <1 | 22 | 0 | 16 | <1 | 2 | 8 | 7 |
| 04SHT438 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 20 | 0 | 15 | <1 | 2 | 7 | 6 |
| 04SHT439 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | <1 | 22 | 0 | 20 | <1 | 3 | 9 | 6 |
| 04SHT440 | 0 | <1 | 0 | 3 | 0 | 2 | <1 | <1 | <1 | 20 | 0 | 11 | <1 | 2 | 6 | 7 |
| 04SHT441 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 21 | 0 | 14 | <1 | 3 | 8 | 6 |
| 04SHT442 | 0 | <1 | 0 | 4 | 0 | 2 | <1 | <1 | 1 | 21 | 0 | 11 | <1 | 2 | 6 | 6 |
| 04SHT443 | 0 | <1 | 0 | 3 | 0 | 3 | <1 | <1 | 1 | 20 | 0 | 13 | <1 | 2 | 7 | 7 |
| 04SHT471 | 0 | 1 | 0 | 5 | 0 | 2 | <1 | <1 | <1 | 20 | 0 | 19 | <1 | 2 | 10 | 6 |
| 04SHT472 | 0 | <1 | 0 | 3 | 0 | 3 | <1 | <1 | 1 | 20 | 0 | 19 | <1 | 2 | 7 | 6 |
| 04SHT473 | 0 | 1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 23 | 0 | 28 | <1 | 3 | 10 | 8 |
| 04SHT474 | 0 | <1 | 0 | 4 | 0 | 2 | <1 | <1 | 1 | 21 | 0 | 21 | <1 | 2 | 8 | 5 |
| 04SHT475 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 22 | 0 | 16 | <1 | 3 | 13 | 5 |
| 04SHT477 | 0 | <1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 25 | 0 | 19 | <1 | 2 | 8 | 7 |
| 04SHT478 | 0 | <1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 25 | 0 | 19 | <1 | 2 | 7 | 7 |
| 04SHT479 | 0 | <1 | 0 | 5 | 0 | 4 | <1 | <1 | 2 | 25 | 0 | 12 | <1 | 2 | 7 | 6 |
| 04SHT480 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 25 | 0 | 16 | <1 | 2 | 6 | 7 |
| 04SHT482 | 0 | 1 | 0 | 7 | 0 | 5 | <1 | <1 | 1 | 37 | 0 | 30 | <1 | 4 | 12 | 11 |
| 04SHT509 | 0 | 1 | 0 | 5 | 0 | 2 | <1 | <1 | 1 | 25 | 0 | 14 | <1 | 2 | 6 | 6 |
| 04SHT510 | 0 | <1 | 0 | 4 | 0 | 2 | <1 | <1 | 1 | 25 | 0 | 13 | <1 | 2 | 6 | 7 |
| 04SHT511 | 0 | 1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 26 | 0 | 18 | <1 | 2 | 9 | 7 |
| 04SHT512 | 0 | <1 | | 4 | 0 | 3 | <1 | <1 | 1 | 25 | 0 | 18 | <1 | 2 | 6 | 6 |
| 04SHT513 | 0 | <1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 24 | 0 | 18 | <1 | 2 | 7 | 7 |
| 04SHT515 | 0 | 1 | 0 | 6 | 0 | 2 | <1 | <1 | 2 | 28 | 0 | 10 | <1 | 2 | 6 | 7 |
| 04SHT516 | 0 | 1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 29 | 0 | 17 | <1 | 2 | 6 | 8 |
| 04SHT517 | 0 | 1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 28 | 0 | 24 | <1 | 2 | 8 | 7 |
| 04SHT518 | 0 | <1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 30 | 0 | 18 | <1 | 3 | 9 | 8 |
| 04SHT519 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 25 | 0 | 16 | <1 | 2 | 6 | 7 |
| 04SHT521 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 29 | 0 | 17 | <1 | 2 | 8 | 6 |
| 04SHT545 | 0 | 1 | 0 | 5 | 0 | 4 | <1 | <1 | 1 | 28 | 0 | 22 | <1 | 3 | 9 | 7 |
| 04SHT547 | 0 | 1 | 0 | 4 | 0 | 2 | <1 | <1 | 1 | 26 | 0 | 15 | <1 | 2 | 8 | 7 |

Baker ICP Results from SRC

| Sample | Easting | Northing | Ag_ppm | Al2O3 wt% | As_ppm | Ba_ppm | Be_ppm | Bi_ppm | CaOwt% | Cd_ppm | Co_ppm | Cr_ppm | Cu_ppm | Fe2O3_wt% | K2O_wt% | MgO wt% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT548 | 388189 | 7032683 | <0.2 | 0 | 1 | 62 | <0.5 | <1 | 0 | <1 | 2 | 209 | 3 | 2 | 0 | 0 |
| 04SHT549 | 391232 | 7034333 | <0.2 | 0 | 1 | 77 | <0.5 | <1 | 0 | <1 | 1 | 73 | 2 | 1 | 0 | 0 |
| 04SHT550 | 389058 | 7035766 | <0.2 | 0 | 1 | 50 | <0.5 | <1 | 0 | <1 | 1 | 90 | 1 | 1 | 0 | 0 |
| 04SHT551 | 390077 | 7037426 | <0.2 | 0 | 1 | 29 | <0.5 | <1 | 0 | <1 | 1 | 87 | 2 | 1 | 0 | 0 |
| 04SHT552 | 394999 | 7035901 | <0.2 | 0 | 1 | 42 | <0.5 | <1 | 0 | <1 | 1 | 88 | 2 | 1 | 0 | 0 |
| 04SHT553 | 398302 | 7033992 | <0.2 | 0 | 1 | 46 | <0.5 | <1 | 0 | <1 | 1 | 93 | 2 | 1 | 0 | 0 |
| 04SHT554 | 399843 | 7036154 | <0.2 | 0 | 1 | 55 | <0.5 | <1 | 0 | <1 | 1 | 103 | 2 | 2 | 0 | 0 |
| 04SHT555 | 397706 | 7038249 | <0.2 | 0 | 1 | 41 | <0.5 | <1 | 0 | <1 | 1 | 75 | 2 | 1 | 0 | 0 |
| 04SHT556 | 391450 | 7040813 | <0.2 | 0 | 2 | 53 | <0.5 | <1 | 0 | <1 | 2 | 113 | 2 | 4 | 0 | 0 |
| 04CLT151 | 362764 | 7014834 | <0.2 | 0 | 1 | 55 | <0.5 | <1 | 0 | <1 | 3 | 92 | 4 | 2 | 0 | 0 |
| 04JST627 | 393895 | 7003429 | <0.2 | 0 | 1 | 64 | <0.5 | <1 | 0 | <1 | 2 | 88 | 4 | 2 | 0 | 0 |
| 04JST628 | 389832 | 7002502 | <0.2 | 1 | 2 | 67 | <0.5 | <1 | 0 | <1 | 4 | 107 | 6 | 2 | 0 | 0 |
| 04JST641 | 387455 | 6993625 | <0.2 | 1 | 1 | 67 | <0.5 | <1 | 0 | <1 | 2 | 102 | 6 | 1 | 0 | 0 |
| 04JST647 | 397629 | 6997065 | <0.2 | 0 | 1 | 32 | <0.5 | <1 | 0 | <1 | 2 | 106 | 3 | 2 | 0 | 0 |
| 04JST666 | 379359 | 7002998 | <0.2 | 0 | 1 | 58 | <0.5 | <1 | 0 | <1 | 4 | 80 | 3 | 2 | 0 | 0 |
| 04JST667 | 375925 | 7007701 | <0.2 | 1 | 1 | 72 | <0.5 | <1 | 0 | <1 | 4 | 100 | 4 | 2 | 0 | 0 |
| 04JST668 | 376193 | 7011131 | <0.2 | 1 | 1 | 59 | <0.5 | <1 | 0 | <1 | 2 | 108 | 4 | 2 | 0 | 0 |
| 04JST669 | 379191 | 7012452 | <0.2 | 0 | 2 | 76 | <0.5 | <1 | 0 | <1 | 3 | 95 | 4 | 2 | 0 | 0 |
| 04JST670 | 378753 | 7014322 | <0.2 | 0 | 2 | 90 | <0.5 | <1 | 0 | <1 | 3 | 100 | 4 | 2 | 0 | 0 |
| 04JST671 | 383033 | 7012334 | <0.2 | 1 | 2 | 78 | <0.5 | <1 | 0 | <1 | 3 | 107 | 4 | 2 | 0 | 0 |
| 04JST674 | 381289 | 7008413 | <0.2 | 1 | 2 | 88 | <0.5 | <1 | 0 | <1 | 4 | 95 | 5 | 2 | 0 | 0 |
| 04JST676 | 381632 | 7006036 | <0.2 | 1 | 2 | 53 | <0.5 | <1 | 0 | <1 | 3 | 86 | 5 | 2 | 0 | 0 |
| 04JST677 | 384997 | 7004876 | <0.2 | 1 | 2 | 75 | <0.5 | 1 | 0 | <1 | 3 | 145 | 6 | 2 | 0 | 0 |
| 04SHT565 | 392807 | 6986921 | <0.2 | 1 | 1 | 56 | <0.5 | <1 | 0 | <1 | 2 | 115 | 4 | 2 | 0 | 0 |
| 04SHT566 | 397637 | 6985605 | <0.2 | 1 | 1 | 49 | <0.5 | 1 | 0 | <1 | 2 | 152 | 3 | 2 | 0 | 0 |
| 04SHT567 | 396196 | 6984268 | <0.2 | 2 | 1 | 41 | 0.5 | 1 | 1 | <1 | 5 | 137 | 4 | 3 | 0 | 1 |
| 04SHT568 | 389225 | 6982850 | 0.3 | 2 | 3 | 63 | 0.7 | 1 | 1 | <1 | 8 | 159 | 11 | 5 | 0 | 1 |
| 04SHT569 | 391189 | 6980378 | <0.2 | 0 | 1 | 39 | <0.5 | <1 | 0 | <1 | 1 | 78 | 4 | 1 | 0 | 0 |
| 04SHT570 | 388277 | 6977162 | <0.2 | 1 | 1 | 60 | <0.5 | <1 | 1 | <1 | 3 | 103 | 8 | 2 | 0 | 0 |
| 04SHT571 | 393366 | 6973781 | <0.2 | 1 | 1 | 69 | <0.5 | <1 | 0 | <1 | 2 | 146 | 4 | 1 | 0 | 0 |
| 04SHT572 | 394577 | 6977206 | 1.3 | 1 | 2 | 46 | 0.9 | 1 | 1 | <1 | 8 | 169 | 8 | 13 | 0 | 1 |
| 04SHT582 | 381338 | 6976698 | <0.2 | 1 | 1 | 48 | <0.5 | <1 | 0 | <1 | 2 | 189 | 4 | 2 | 0 | 0 |
| 04SHT603 | 372945 | 6999003 | <0.2 | 1 | 1 | 56 | <0.5 | 2 | 0 | <1 | 2 | 119 | 3 | 2 | 0 | 0 |
| 04SHT604 | 370377 | 6997028 | <0.2 | 1 | 2 | 56 | <0.5 | <1 | 0 | <1 | 2 | 129 | 3 | 2 | 0 | 0 |
| 04SHT605 | 364999 | 6997145 | <0.2 | 1 | 2 | 61 | <0.5 | <1 | 0 | <1 | 3 | 139 | 3 | 2 | 0 | 0 |
| 04SHT608 | 363680 | 7001932 | <0.2 | 1 | 1 | 76 | <0.5 | 1 | 0 | <1 | 2 | 150 | 3 | 2 | 0 | 0 |
| 04SHT609 | 362506 | 7000754 | <0.2 | 1 | 2 | 56 | <0.5 | <1 | 0 | <1 | 3 | 138 | 3 | 2 | 0 | 0 |
| 04SHT610 | 361648 | 6998108 | <0.2 | 1 | 2 | 54 | <0.5 | <1 | 0 | <1 | 4 | 101 | 4 | 2 | 0 | 0 |
| 04SHT612 | 362869 | 6991901 | <0.2 | 1 | 1 | 56 | <0.5 | 1 | 0 | <1 | 2 | 123 | 5 | 2 | 0 | 0 |

Baker ICP Results from SRC

| Sample | MnO_wt% | Mo_ppm | Na2O_wt% | Ni_ppm | P2O5_wt% | Pb_ppm | Sb_ppm | Sc_ppm | Sn_ppm | Sr_ppm | TiO2_wt% | V_ppm | W_ppm | Y_ppm | Zn_ppm | Zr_ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT548 | 0 | <1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 27 | 0 | 17 | <1 | 2 | 7 | 8 |
| 04SHT549 | 0 | <1 | 0 | 4 | 0 | 2 | <1 | <1 | 1 | 22 | 0 | 9 | <1 | 3 | 7 | 6 |
| 04SHT550 | 0 | <1 | 0 | 4 | 0 | 2 | <1 | <1 | 1 | 26 | 0 | 15 | <1 | 2 | 7 | 6 |
| 04SHT551 | 0 | <1 | 0 | 5 | 0 | 2 | <1 | <1 | 2 | 25 | 0 | 11 | <1 | 2 | 8 | 4 |
| 04SHT552 | 0 | <1 | 0 | 4 | 0 | 2 | <1 | <1 | 1 | 24 | 0 | 9 | <1 | 3 | 8 | 6 |
| 04SHT553 | 0 | <1 | 0 | 4 | 0 | 2 | <1 | <1 | 1 | 25 | 0 | 15 | <1 | 2 | 9 | 4 |
| 04SHT554 | 0 | 1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 26 | 0 | 18 | <1 | 2 | 8 | 7 |
| 04SHT555 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 26 | 0 | 13 | <1 | 3 | 8 | 6 |
| 04SHT556 | 0 | 2 | 0 | 7 | 0 | 6 | <1 | <1 | 2 | 33 | 0 | 40 | <1 | 3 | 17 | 8 |
| 04CLT151 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | 1 | 1 | 28 | 0 | 20 | <1 | 5 | 12 | 10 |
| 04JST627 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | <1 | 2 | 26 | 0 | 19 | <1 | 4 | 10 | 8 |
| 04JST628 | 0 | 1 | 0 | 9 | 0 | 5 | <1 | 1 | 2 | 27 | 0 | 24 | <1 | 5 | 13 | 9 |
| 04JST641 | 0 | <1 | 0 | 7 | 0 | 4 | <1 | 1 | 2 | 26 | 0 | 18 | <1 | 4 | 13 | 9 |
| 04JST647 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | <1 | 1 | 20 | 0 | 21 | <1 | 3 | 12 | 4 |
| 04JST666 | 0 | <1 | 0 | 7 | 0 | 5 | <1 | <1 | 2 | 26 | 0 | 21 | <1 | 4 | 11 | 9 |
| 04JST667 | 0 | <1 | 0 | 8 | 0 | 6 | <1 | 1 | 1 | 32 | 0 | 24 | <1 | 5 | 13 | 11 |
| 04JST668 | 0 | 1 | 0 | 7 | 0 | 5 | <1 | 1 | 2 | 30 | 0 | 22 | 1 | 4 | 12 | 11 |
| 04JST669 | 0 | <1 | 0 | 8 | 0 | 5 | <1 | <1 | 2 | 30 | 0 | 22 | <1 | 4 | 16 | 11 |
| 04JST670 | 0 | <1 | 0 | 7 | 0 | 4 | <1 | <1 | 1 | 28 | 0 | 21 | <1 | 4 | 11 | 10 |
| 04JST671 | 0 | <1 | 0 | 8 | 0 | 5 | <1 | 1 | 3 | 29 | 0 | 21 | <1 | 4 | 12 | 10 |
| 04JST674 | 0 | <1 | 0 | 12 | 0 | 5 | <1 | 1 | 2 | 31 | 0 | 25 | <1 | 5 | 13 | 10 |
| 04JST676 | 0 | <1 | 0 | 10 | 0 | 4 | <1 | 1 | 2 | 28 | 0 | 26 | <1 | 5 | 13 | 9 |
| 04JST677 | 0 | 1 | 0 | 10 | 0 | 4 | <1 | 1 | 2 | 29 | 0 | 29 | <1 | 5 | 15 | 10 |
| 04SHT565 | 0 | 1 | 0 | 7 | 0 | 3 | <1 | 1 | 2 | 25 | 0 | 19 | <1 | 4 | 12 | 7 |
| 04SHT566 | 0 | 1 | 0 | 6 | 0 | 3 | <1 | 1 | 2 | 23 | 0 | 20 | <1 | 3 | 12 | 7 |
| 04SHT567 | 0 | <1 | 0 | 13 | 0 | 5 | <1 | 2 | 2 | 30 | 0 | 47 | <1 | 4 | 42 | |
| 04SHT568 | 0 | 1 | 0 | 19 | 0 | 7 | <1 | 3 | 1 | 40 | 0 | 65 | <1 | 8 | 49 | |
| 04SHT569 | 0 | <1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 21 | 0 | 17 | <1 | 4 | 10 | 5 |
| 04SHT570 | 0 | <1 | 0 | 8 | 0 | 3 | <1 | 2 | 2 | 25 | 0 | 27 | <1 | 5 | 15 | 5 |
| 04SHT571 | 0 | 1 | 0 | 6 | 0 | 4 | <1 | 1 | 2 | 26 | 0 | 13 | <1 | 4 | 10 | 8 |
| 04SHT572 | 0 | 1 | 0 | 15 | 0 | 11 | 2 | 3 | <1 | 34 | 0 | 170 | <1 | 9 | 53 | |
| 04SHT582 | 0 | 1 | 0 | 8 | 0 | 3 | <1 | 1 | 2 | 28 | 0 | 20 | <1 | 4 | 13 | 6 |
| 04SHT603 | 0 | <1 | 0 | 8 | 0 | 3 | <1 | 1 | 2 | 29 | 0 | 21 | <1 | 4 | 13 | 7 |
| 04SHT604 | 0 | <1 | 0 | 7 | 0 | 4 | <1 | 1 | 2 | 30 | 0 | 19 | <1 | 5 | 16 | 7 |
| 04SHT605 | 0 | 1 | 0 | 8 | 0 | 4 | <1 | 1 | 1 | 30 | 0 | 17 | 1 | 5 | 13 | 9 |
| 04SHT608 | 0 | <1 | 0 | 7 | 0 | 4 | <1 | 1 | 2 | 31 | 0 | 19 | <1 | 4 | 13 | 10 |
| 04SHT609 | 0 | 1 | 0 | 7 | 0 | 4 | <1 | <1 | 1 | 29 | 0 | 20 | <1 | 4 | 13 | 8 |
| 04SHT610 | 0 | 1 | 0 | 8 | 0 | 5 | <1 | 1 | 2 | 30 | 0 | 19 | <1 | 5 | 15 | 7 |
| 04SHT612 | 0 | <1 | 0 | 7 | 0 | 4 | <1 | 1 | 2 | 30 | 0 | 17 | <1 | 4 | 23 | 6 |

Baker ICP Results from SRC

| Sample | Easting | Northing | Ag_ppm | Al2O3 wt% | As_ppm | Ba_ppm | Be_ppm | Bi_ppm | CaOwt% | Cd_ppm | Co_ppm | Cr_ppm | Cu_ppm | Fe2O3_wt% | K2O_wt% | MgO wt% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT613 | 366133 | 6992703 | 0.4 | 2 | 2 | 94 | 0.6 | 2 | 1 | <1 | 9 | 191 | 7 | 5 | 0 | 1 |
| 04SHT614 | 370536 | 6994438 | <0.2 | 1 | 1 | 56 | <0.5 | <1 | 0 | <1 | 2 | 137 | 3 | 2 | 0 | 0 |
| 04SHT616 | 372337 | 6990563 | 0.2 | 2 | 2 | 69 | 0.5 | 1 | 1 | <1 | 7 | 146 | 5 | 4 | 0 | 1 |
| 04SHT617 | 375962 | 6989668 | <0.2 | 1 | 2 | 55 | <0.5 | 1 | 0 | <1 | 2 | 111 | 3 | 2 | 0 | 0 |
| 04SHT618 | 380623 | 6993616 | <0.2 | 1 | 1 | 71 | <0.5 | <1 | 0 | <1 | 2 | 134 | 5 | 2 | 0 | 0 |
| 04SHT619 | 381204 | 6989845 | <0.2 | 1 | 1 | 59 | <0.5 | <1 | 0 | <1 | 2 | 160 | 3 | 2 | 0 | 0 |
| 04SHT620 | 385081 | 6992316 | <0.2 | 1 | 1 | 60 | <0.5 | <1 | 0 | <1 | 2 | 122 | 3 | 2 | 0 | 0 |
| 04SHT621 | 385074 | 6990305 | <0.2 | 1 | 1 | 62 | <0.5 | <1 | 0 | <1 | 2 | 129 | 4 | 2 | 0 | 0 |
| 04SHT625 | 352171 | 7012937 | <0.2 | 1 | 1 | 56 | <0.5 | <1 | 0 | <1 | 2 | 150 | 3 | 1 | 0 | 0 |
| 04SHT626 | 352241 | 7008538 | <0.2 | 1 | 1 | 58 | <0.5 | <1 | 0 | <1 | 3 | 166 | 4 | 2 | 0 | 0 |
| 04SHT627 | 351627 | 7005490 | <0.2 | 0 | 1 | 34 | <0.5 | <1 | 0 | <1 | 2 | 70 | 3 | 1 | 0 | 0 |
| 04SHT631 | 359667 | 7007387 | <0.2 | 1 | 1 | 50 | <0.5 | 1 | 0 | <1 | 2 | 172 | 4 | 1 | 0 | 0 |
| 04SHT634 | 354019 | 7000909 | <0.2 | 1 | 1 | 45 | <0.5 | <1 | 0 | <1 | 2 | 106 | 3 | 1 | 0 | 0 |
| 04SHT407 | 360428 | 7099208 | 0.2 | 0 | 1 | 54 | <0.5 | <1 | 0 | <1 | 2 | 260 | 2 | 3 | 0 | 0 |
| 04SHT408 | 364752 | 7096814 | 0.2 | 1 | 2 | 500 | <0.5 | <1 | 0 | <1 | 3 | 179 | 3 | 3 | 0 | 0 |
| 04SHT411 | 358545 | 7095875 | <0.2 | 0 | 1 | 152 | <0.5 | <1 | 0 | <1 | 1 | 125 | 2 | 2 | 0 | 0 |
| 04SHT413 | 356038 | 7093405 | <0.2 | 0 | 1 | 68 | <0.5 | <1 | 0 | <1 | 1 | 190 | 2 | 1 | 0 | 0 |
| 04SHT418 | 360257 | 7087428 | <0.2 | 0 | 1 | 89 | <0.5 | <1 | 0 | <1 | 1 | 199 | 2 | 2 | 0 | 0 |
| 04SHT420 | 367739 | 7084844 | <0.2 | 0 | 1 | 179 | <0.5 | <1 | 0 | <1 | 2 | 246 | 4 | 3 | 0 | 0 |
| 04SHT422 | 366712 | 7078047 | <0.2 | 0 | 1 | 52 | <0.5 | <1 | 0 | <1 | 2 | 164 | 2 | 2 | 0 | 0 |
| 04SHT424 | 371430 | 7071659 | <0.2 | 0 | 1 | 139 | <0.5 | <1 | 0 | <1 | 3 | 128 | 2 | 2 | 0 | 0 |
| 04SHT431 | 375520 | 7077943 | <0.2 | 0 | 1 | 47 | <0.5 | <1 | 0 | <1 | 1 | 100 | 2 | 2 | 0 | 0 |
| 04SHT444 | 421494 | 7043335 | <0.2 | 0 | 1 | 97 | <0.5 | <1 | 0 | <1 | 2 | 139 | 3 | 2 | 0 | 0 |
| 04SHT446 | 416511 | 7044571 | <0.2 | 0 | 1 | 84 | <0.5 | <1 | 0 | <1 | 2 | 152 | 2 | 2 | 0 | 0 |
| 04SHT449 | 423109 | 7052102 | <0.2 | 0 | 1 | 62 | <0.5 | <1 | 0 | <1 | 1 | 117 | 3 | 1 | 0 | 0 |
| 04SHT451 | 419801 | 7049454 | <0.2 | 0 | 1 | 46 | <0.5 | <1 | 0 | <1 | 1 | 61 | 2 | 2 | 0 | 0 |
| 04SHT455 | 416846 | 7054266 | <0.2 | 0 | 1 | 105 | <0.5 | <1 | 0 | <1 | 2 | 112 | 3 | 1 | 0 | 0 |
| 04SHT456 | 420899 | 7053983 | <0.2 | 1 | 1 | 115 | <0.5 | <1 | 0 | <1 | 2 | 123 | 3 | 2 | 0 | 0 |
| 04SHT458 | 412360 | 7045301 | <0.2 | 0 | 1 | 67 | <0.5 | <1 | 0 | <1 | 1 | 134 | 2 | 2 | 0 | 0 |
| 04SHT459 | 411661 | 7043918 | <0.2 | 0 | 1 | 84 | <0.5 | <1 | 0 | <1 | 2 | 219 | 3 | 2 | 0 | 0 |
| 04SHT461 | 405197 | 7044305 | <0.2 | 0 | 1 | 92 | <0.5 | <1 | 0 | <1 | 2 | 91 | 2 | 1 | 0 | 0 |
| 04SHT462 | 401557 | 7043411 | <0.2 | 0 | 1 | 58 | <0.5 | <1 | 0 | <1 | 1 | 162 | 2 | 1 | 0 | 0 |
| 04SHT465 | 410603 | 7048736 | <0.2 | 0 | 1 | 49 | <0.5 | <1 | 0 | <1 | 1 | 116 | 2 | 1 | 0 | 0 |
| 04SHT466 | 412672 | 7050497 | <0.2 | 0 | 1 | 43 | <0.5 | <1 | 0 | <1 | 1 | 66 | 1 | 1 | 0 | 0 |
| 04SHT467 | 411123 | 7053409 | <0.2 | 1 | 2 | 63 | <0.5 | <1 | 0 | <1 | 2 | 132 | 2 | 1 | 0 | 0 |
| 04SHT468 | 412421 | 7055948 | <0.2 | 0 | 1 | 82 | <0.5 | <1 | 0 | <1 | 1 | 124 | 3 | 1 | 0 | 0 |
| 04SHT469 | 408282 | 7053400 | <0.2 | 0 | 1 | 55 | <0.5 | <1 | 0 | <1 | 1 | 96 | 2 | 1 | 0 | 0 |
| 04SHT470 | 401512 | 7054678 | <0.2 | 0 | 1 | 76 | <0.5 | <1 | 0 | <1 | 1 | 104 | 2 | 1 | 0 | 0 |
| 04SHT483 | 377258 | 7031032 | <0.2 | 0 | 1 | 67 | <0.5 | <1 | 0 | <1 | 2 | 115 | 4 | 2 | 0 | 0 |

Baker ICP Results from SRC

| Sample | MnO_wt% | Mo_ppm | Na2O_wt% | Ni_ppm | P2O5_wt% | Pb_ppm | Sb_ppm | Sc_ppm | Sn_ppm | Sr_ppm | TiO2_wt% | V_ppm | W_ppm | Y_ppm | Zn_ppm | Zr_ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT613 | 0 | 2 | 0 | 21 | 0 | 7 | <1 | 4 | 1 | 51 | 0 | 74 | <1 | 7 | 66 | |
| 04SHT614 | 0 | 1 | 0 | 7 | 0 | 3 | <1 | 1 | 2 | 29 | 0 | 19 | <1 | 4 | 12 | 7 |
| 04SHT616 | 0 | 1 | 0 | 21 | 0 | 6 | <1 | 2 | 3 | 30 | 0 | 58 | <1 | 5 | 70 | |
| 04SHT617 | 0 | <1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 26 | 0 | 17 | <1 | 4 | 11 | 7 |
| 04SHT618 | 0 | <1 | 0 | 7 | 0 | 4 | <1 | 1 | 1 | 28 | 0 | 18 | <1 | 4 | 14 | 8 |
| 04SHT619 | 0 | 2 | 0 | 7 | 0 | 4 | <1 | 1 | 1 | 28 | 0 | 19 | 1 | 4 | 11 | 8 |
| 04SHT620 | 0 | 1 | 0 | 6 | 0 | 4 | <1 | 1 | 1 | 26 | 0 | 18 | <1 | 4 | 11 | 7 |
| 04SHT621 | 0 | <1 | 0 | 7 | 0 | 4 | <1 | 1 | 1 | 27 | 0 | 20 | <1 | 4 | 12 | 8 |
| 04SHT625 | 0 | 1 | 0 | 6 | 0 | 4 | <1 | <1 | 1 | 31 | 0 | 15 | <1 | 5 | 11 | 6 |
| 04SHT626 | 0 | 1 | 0 | 8 | 0 | 5 | <1 | 1 | 2 | 33 | 0 | 18 | <1 | 5 | 12 | 6 |
| 04SHT627 | 0 | <1 | 0 | 6 | 0 | 3 | <1 | <1 | 2 | 24 | 0 | 15 | <1 | 4 | 11 | 6 |
| 04SHT631 | 0 | 1 | 0 | 7 | 0 | 4 | <1 | 1 | 2 | 31 | 0 | 13 | <1 | 4 | 11 | 8 |
| 04SHT634 | 0 | 1 | 0 | 6 | 0 | 4 | <1 | <1 | 1 | 27 | 0 | 16 | <1 | 4 | 11 | 7 |
| 04SHT407 | 0 | 2 | 0 | 5 | 0 | 4 | <1 | <1 | <1 | 54 | 0 | 27 | 1 | 2 | 9 | 16 |
| 04SHT408 | 0 | 1 | 0 | 6 | 0 | 6 | <1 | <1 | <1 | 42 | 0 | 30 | <1 | 3 | 10 | 13 |
| 04SHT411 | 0 | <1 | 0 | 3 | 0 | 4 | <1 | <1 | <1 | 39 | 0 | 22 | <1 | 2 | 9 | 11 |
| 04SHT413 | 0 | 2 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 31 | 0 | 10 | 1 | 2 | 6 | 8 |
| 04SHT418 | 0 | 2 | 0 | 5 | 0 | 4 | <1 | <1 | <1 | 39 | 0 | 21 | <1 | 2 | 8 | 12 |
| 04SHT420 | 0 | 1 | 0 | 6 | 0 | 4 | <1 | <1 | <1 | 35 | 0 | 24 | <1 | 2 | 9 | 11 |
| 04SHT422 | 0 | 1 | 0 | 4 | 0 | 4 | <1 | <1 | 1 | 33 | 0 | 24 | <1 | 2 | 8 | 11 |
| 04SHT424 | 0 | 1 | 0 | 5 | 0 | 5 | <1 | <1 | <1 | 34 | 0 | 22 | <1 | 2 | 8 | 11 |
| 04SHT431 | 0 | <1 | 0 | 3 | 0 | 3 | <1 | <1 | <1 | 25 | 0 | 16 | <1 | 2 | 7 | 6 |
| 04SHT444 | 0 | 1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 23 | 0 | 15 | <1 | 2 | 8 | 8 |
| 04SHT446 | 0 | 1 | 0 | 5 | 0 | 3 | <1 | <1 | <1 | 22 | 0 | 17 | <1 | 2 | 8 | 8 |
| 04SHT449 | 0 | 1 | 0 | 4 | 0 | 3 | <1 | <1 | <1 | 21 | 0 | 14 | <1 | 3 | 9 | 8 |
| 04SHT451 | 0 | <1 | 0 | 3 | 0 | 3 | <1 | <1 | 1 | 16 | 0 | 16 | <1 | 2 | 9 | 6 |
| 04SHT455 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | <1 | 22 | 0 | 14 | <1 | 3 | 8 | 7 |
| 04SHT456 | 0 | 1 | 0 | 6 | 0 | 3 | <1 | <1 | <1 | 24 | 0 | 15 | <1 | 3 | 9 | 8 |
| 04SHT458 | 0 | 1 | 0 | 3 | 0 | 3 | <1 | <1 | <1 | 22 | 0 | 16 | <1 | 2 | 8 | 7 |
| 04SHT459 | 0 | 1 | 0 | 5 | 0 | 3 | <1 | <1 | <1 | 24 | 0 | 23 | <1 | 2 | 9 | 9 |
| 04SHT461 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 23 | 0 | 14 | <1 | 2 | 8 | 8 |
| 04SHT462 | 0 | 1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 25 | 0 | 13 | <1 | 3 | 8 | 9 |
| 04SHT465 | 0 | <1 | 0 | 3 | 0 | 3 | <1 | <1 | 1 | 21 | 0 | 13 | <1 | 2 | 7 | 6 |
| 04SHT466 | 0 | <1 | 0 | 3 | 0 | 3 | <1 | <1 | <1 | 16 | 0 | 14 | <1 | 2 | 8 | 5 |
| 04SHT467 | 0 | 1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 21 | 0 | 14 | <1 | 3 | 9 | 7 |
| 04SHT468 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | <1 | 22 | 0 | 12 | <1 | 3 | 7 | 8 |
| 04SHT469 | 0 | <1 | 0 | 3 | 0 | 2 | <1 | <1 | 1 | 21 | 0 | 12 | <1 | 2 | 8 | 5 |
| 04SHT470 | 0 | 1 | 0 | 4 | 0 | 3 | <1 | <1 | <1 | 22 | 0 | 13 | <1 | 2 | 7 | 8 |
| 04SHT483 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | <1 | 1 | 30 | 0 | 22 | <1 | 3 | 12 | 10 |

Baker ICP Results from SRC

| Sample | Easting | Northing | Ag_ppm | Al2O3 wt% | As_ppm | Ba_ppm | Be_ppm | Bi_ppm | CaOwt% | Cd_ppm | Co_ppm | Cr_ppm | Cu_ppm | Fe2O3_wt% | K2O_wt% | MgO wt% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT484 | 385586 | 7029697 | <0.2 | 0 | 1 | 47 | <0.5 | <1 | 0 | <1 | 1 | 109 | 3 | 1 | 0 | 0 |
| 04SHT485 | 383667 | 7033076 | <0.2 | 0 | 1 | 57 | <0.5 | <1 | 0 | <1 | 2 | 172 | 3 | 2 | 0 | 0 |
| 04SHT486 | 386599 | 7033121 | <0.2 | 0 | 1 | 53 | <0.5 | <1 | 0 | <1 | 1 | 135 | 3 | 2 | 0 | 0 |
| 04SHT487 | 387369 | 7034704 | <0.2 | 0 | 1 | 71 | <0.5 | <1 | 0 | <1 | 1 | 200 | 2 | 1 | 0 | 0 |
| 04SHT488 | 384945 | 7036306 | <0.2 | 0 | 1 | 71 | <0.5 | <1 | 0 | <1 | 1 | 168 | 2 | 2 | 0 | 0 |
| 04SHT489 | 381406 | 7036955 | <0.2 | 0 | 1 | 97 | <0.5 | <1 | 0 | <1 | 3 | 127 | 3 | 2 | 0 | 0 |
| 04SHT490 | 380872 | 7032981 | <0.2 | 0 | 1 | 87 | <0.5 | <1 | 0 | <1 | 2 | 149 | 3 | 2 | 0 | 0 |
| 04SHT492 | 377757 | 7036978 | <0.2 | 0 | 2 | 60 | <0.5 | <1 | 0 | <1 | 2 | 179 | 3 | 2 | 0 | 0 |
| 04SHT494 | 383060 | 7040905 | <0.2 | 0 | 1 | 68 | <0.5 | <1 | 0 | <1 | 2 | 218 | 3 | 1 | 0 | 0 |
| 04SHT495 | 384987 | 7041346 | <0.2 | 0 | 1 | 41 | <0.5 | <1 | 0 | <1 | 1 | 133 | 2 | 2 | 0 | 0 |
| 04SHT496 | 365943 | 7045215 | <0.2 | 0 | 2 | 79 | <0.5 | <1 | 0 | <1 | 2 | 115 | 3 | 2 | 0 | 0 |
| 04SHT497 | 368852 | 7046925 | <0.2 | 1 | 1 | 58 | <0.5 | <1 | 0 | <1 | 2 | 146 | 3 | 2 | 0 | 0 |
| 04SHT498 | 372961 | 7045074 | <0.2 | 0 | 2 | 55 | <0.5 | <1 | 0 | <1 | 1 | 200 | 3 | 2 | 0 | 0 |
| 04SHT499 | 374869 | 7047302 | <0.2 | 0 | 1 | 61 | <0.5 | <1 | 0 | <1 | 1 | 127 | 2 | 1 | 0 | 0 |
| 04SHT500 | 373797 | 7052017 | <0.2 | 0 | 1 | 52 | <0.5 | <1 | 0 | <1 | 1 | 125 | 2 | 2 | 0 | 0 |
| 04SHT502 | 366480 | 7050692 | <0.2 | 0 | 1 | 67 | <0.5 | <1 | 0 | <1 | 2 | 97 | 3 | 1 | 0 | 0 |
| 04SHT503 | 363605 | 7050593 | <0.2 | 0 | 2 | 59 | <0.5 | <1 | 0 | <1 | 2 | 135 | 3 | 2 | 0 | 0 |
| 04SHT504 | 365288 | 7052758 | <0.2 | 0 | 1 | 56 | <0.5 | <1 | 0 | <1 | 1 | 204 | 3 | 1 | 0 | 0 |
| 04SHT505 | 365731 | 7056781 | <0.2 | 0 | 1 | 73 | <0.5 | <1 | 0 | <1 | 1 | 131 | 2 | 1 | 0 | 0 |
| 04SHT506 | 370463 | 7054738 | <0.2 | 0 | 2 | 86 | <0.5 | <1 | 0 | <1 | 2 | 271 | 4 | 2 | 0 | 0 |
| 04SHT507 | 374179 | 7054433 | <0.2 | 0 | 1 | 79 | <0.5 | <1 | 0 | <1 | 1 | 167 | 3 | 2 | 0 | 0 |
| 04SHT407 | 360428 | 7099208 | 0.2 | 0 | 1 | 54 | <0.5 | <1 | 0 | <1 | 2 | 260 | 2 | 3 | 0 | 0 |
| 04SHT522 | 382956 | 7017460 | <0.2 | 1 | 2 | 105 | <0.5 | <1 | 1 | <1 | 3 | 126 | 5 | 2 | 0 | 0 |
| 04SHT523 | 385258 | 7020080 | <0.2 | 0 | 1 | 69 | <0.5 | <1 | 0 | <1 | 2 | 100 | 4 | 2 | 0 | 0 |
| 04SHT524 | 376822 | 7018770 | <0.2 | 1 | 2 | 92 | <0.5 | <1 | 0 | <1 | 2 | 100 | 3 | 1 | 0 | 0 |
| 04SHT525 | 376015 | 7022926 | <0.2 | 0 | 2 | 66 | <0.5 | <1 | 0 | <1 | 2 | 87 | 3 | 2 | 0 | 0 |
| 04SHT526 | 379587 | 7022886 | <0.2 | 1 | 2 | 82 | <0.5 | <1 | 0 | <1 | 2 | 107 | 4 | 2 | 0 | 0 |
| 04SHT527 | 383241 | 7022042 | <0.2 | 1 | 2 | 90 | <0.5 | <1 | 0 | <1 | 3 | 142 | 4 | 2 | 0 | 0 |
| 04SHT528 | 384587 | 7023264 | <0.2 | 0 | 2 | 66 | <0.5 | <1 | 0 | <1 | 2 | 132 | 3 | 2 | 0 | 0 |
| 04SHT529 | 380512 | 7025765 | <0.2 | 1 | 2 | 66 | <0.5 | <1 | 0 | <1 | 2 | 144 | 3 | 2 | 0 | 0 |
| 04SHT530 | 375941 | 7026418 | <0.2 | 1 | 2 | 61 | <0.5 | <1 | 0 | <1 | 2 | 191 | 4 | 2 | 0 | 0 |
| 04SHT531 | 377083 | 7028668 | <0.2 | 1 | 2 | 79 | <0.5 | <1 | 0 | <1 | 2 | 215 | 3 | 1 | 0 | 0 |
| 04SHT532 | 382532 | 7027305 | <0.2 | 0 | 1 | 72 | <0.5 | <1 | 0 | <1 | 2 | 118 | 2 | 2 | 0 | 0 |
| 04SHT533 | 386673 | 7026155 | <0.2 | 0 | 1 | 62 | <0.5 | <1 | 0 | <1 | 1 | 161 | 3 | 2 | 0 | 0 |
| 04SHT534 | 387856 | 7017467 | <0.2 | 1 | 2 | 70 | <0.5 | <1 | 0 | <1 | 2 | 146 | 4 | 2 | 0 | 0 |
| 04SHT535 | 391821 | 7016212 | <0.2 | 1 | 2 | 61 | <0.5 | <1 | 0 | <1 | 3 | 105 | 4 | 2 | 0 | 0 |
| 04SHT536 | 393730 | 7018557 | <0.2 | 1 | 2 | 70 | <0.5 | <1 | 0 | <1 | 2 | 220 | 4 | 2 | 0 | 0 |
| 04SHT537 | 397981 | 7015934 | <0.2 | 0 | 1 | 50 | <0.5 | <1 | 0 | <1 | 2 | 129 | 3 | 2 | 0 | 0 |
| 04SHT538 | 399525 | 7019267 | <0.2 | 1 | 1 | 54 | <0.5 | <1 | 0 | <1 | 2 | 188 | 3 | 2 | 0 | 0 |

Baker ICP Results from SRC

| Sample | MnO_wt% | Mo_ppm | Na2O_wt% | Ni_ppm | P2O5_wt% | Pb_ppm | Sb_ppm | Sc_ppm | Sn_ppm | Sr_ppm | TiO2_wt% | V_ppm | W_ppm | Y_ppm | Zn_ppm | Zr_ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT484 | 0 | 1 | 0 | 4 | 0 | 2 | <1 | <1 | 1 | 26 | 0 | 15 | <1 | 2 | 8 | 7 |
| 04SHT485 | 0 | 1 | 0 | 7 | 0 | 3 | <1 | <1 | 1 | 30 | 0 | 18 | <1 | 2 | 9 | 10 |
| 04SHT486 | 0 | 1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 29 | 0 | 18 | <1 | 2 | 8 | 9 |
| 04SHT487 | 0 | 1 | 0 | 6 | 0 | 3 | <1 | <1 | <1 | 29 | 0 | 14 | <1 | 2 | 8 | 9 |
| 04SHT488 | 0 | 1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 28 | 0 | 15 | <1 | 2 | 7 | 9 |
| 04SHT489 | 0 | <1 | 0 | 7 | 0 | 4 | <1 | <1 | 1 | 28 | 0 | 16 | <1 | 2 | 8 | 9 |
| 04SHT490 | 0 | 2 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 31 | 0 | 16 | 1 | 3 | 8 | 9 |
| 04SHT492 | 0 | 1 | 0 | 6 | 0 | 4 | <1 | <1 | 1 | 33 | 0 | 18 | <1 | 3 | 9 | 10 |
| 04SHT494 | 0 | <1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 29 | 0 | 13 | <1 | 2 | 9 | 9 |
| 04SHT495 | 0 | <1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 27 | 0 | 16 | <1 | 2 | 10 | 7 |
| 04SHT496 | 0 | 1 | 0 | 7 | 0 | 4 | <1 | <1 | 2 | 30 | 0 | 19 | 1 | 3 | 10 | 9 |
| 04SHT497 | 0 | 1 | 0 | 6 | 0 | 3 | <1 | 1 | 2 | 30 | 0 | 17 | <1 | 3 | 10 | 8 |
| 04SHT498 | 0 | 1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 30 | 0 | 17 | <1 | 3 | 8 | 10 |
| 04SHT499 | 0 | 1 | 0 | 5 | 0 | 2 | <1 | <1 | <1 | 28 | 0 | 12 | <1 | 2 | 6 | 8 |
| 04SHT500 | 0 | 1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 26 | 0 | 19 | <1 | 2 | 7 | 8 |
| 04SHT502 | 0 | <1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 26 | 0 | 14 | <1 | 2 | 9 | 7 |
| 04SHT503 | 0 | <1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 30 | 0 | 18 | 1 | 3 | 11 | 8 |
| 04SHT504 | 0 | 2 | 0 | 7 | 0 | 2 | <1 | <1 | 1 | 29 | 0 | 12 | 1 | 2 | 7 | 8 |
| 04SHT505 | 0 | 1 | 0 | 4 | 0 | 3 | <1 | <1 | <1 | 27 | 0 | 12 | <1 | 2 | 6 | 8 |
| 04SHT506 | 0 | 1 | 0 | 7 | 0 | 4 | <1 | <1 | 1 | 30 | 0 | 20 | <1 | 2 | 9 | 11 |
| 04SHT507 | 0 | 1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 31 | 0 | 17 | <1 | 2 | 10 | 9 |
| 04SHT407 | 0 | 2 | 0 | 5 | 0 | 4 | <1 | <1 | <1 | 54 | 0 | 27 | 1 | 2 | 9 | 16 |
| 04SHT522 | 0 | <1 | 0 | 8 | 0 | 5 | <1 | 1 | 1 | 38 | 0 | 21 | <1 | 4 | 12 | 11 |
| 04SHT523 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | <1 | 1 | 28 | 0 | 18 | <1 | 3 | 10 | 9 |
| 04SHT524 | 0 | 1 | 0 | 6 | 0 | 5 | <1 | 1 | 1 | 32 | 0 | 18 | <1 | 4 | 11 | 11 |
| 04SHT525 | 0 | <1 | 0 | 6 | 0 | 5 | <1 | <1 | 2 | 30 | 0 | 19 | <1 | 3 | 11 | 9 |
| 04SHT526 | 0 | 1 | 0 | 7 | 0 | 4 | <1 | 1 | 1 | 32 | 0 | 18 | <1 | 4 | 11 | 11 |
| 04SHT527 | 0 | <1 | 0 | 8 | 0 | 5 | <1 | 1 | 1 | 33 | 0 | 22 | <1 | 4 | 12 | 11 |
| 04SHT528 | 0 | 1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 30 | 0 | 18 | <1 | 3 | 10 | 9 |
| 04SHT529 | 0 | 1 | 0 | 6 | 0 | 4 | <1 | <1 | 2 | 30 | 0 | 21 | 1 | 3 | 11 | 10 |
| 04SHT530 | 0 | <1 | 0 | 7 | 0 | 4 | <1 | 1 | 1 | 30 | 0 | 22 | <1 | 3 | 12 | 9 |
| 04SHT531 | 0 | 1 | 0 | 7 | 0 | 3 | <1 | <1 | 1 | 33 | 0 | 15 | <1 | 3 | 9 | 11 |
| 04SHT532 | 0 | 1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 28 | 0 | 18 | <1 | 3 | 10 | 8 |
| 04SHT533 | 0 | <1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 29 | 0 | 16 | <1 | 3 | 10 | 9 |
| 04SHT534 | 0 | 2 | 0 | 7 | 0 | 4 | <1 | 1 | 1 | 32 | 0 | 20 | 1 | 4 | 11 | 11 |
| 04SHT535 | 0 | 1 | 0 | 6 | 0 | 4 | <1 | 1 | 1 | 29 | 0 | 18 | <1 | 4 | 11 | 10 |
| 04SHT536 | 0 | 1 | 0 | 7 | 0 | 4 | <1 | 1 | 1 | 30 | 0 | 21 | <1 | 3 | 11 | 10 |
| 04SHT537 | 0 | <1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 25 | 0 | 18 | <1 | 3 | 10 | 7 |
| 04SHT538 | 0 | 1 | 0 | 7 | 0 | 3 | <1 | <1 | 1 | 27 | 0 | 20 | 1 | 3 | 15 | 7 |

Baker ICP Results from SRC

| Sample | Easting | Northing | Ag_ppm | Al2O3 wt% | As_ppm | Ba_ppm | Be_ppm | Bi_ppm | CaOwt% | Cd_ppm | Co_ppm | Cr_ppm | Cu_ppm | Fe2O3_wt% | K2O_wt% | MgO wt% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT539 | 395076 | 7023395 | <0.2 | 0 | 2 | 54 | <0.5 | <1 | 0 | <1 | 1 | 126 | 2 | 2 | 0 | 0 |
| 04SHT541 | 390532 | 7024097 | <0.2 | 1 | 1 | 54 | <0.5 | <1 | 0 | <1 | 1 | 249 | 3 | 2 | 0 | 0 |
| 04SHT542 | 389212 | 7028955 | <0.2 | 0 | 1 | 73 | <0.5 | <1 | 0 | <1 | 1 | 121 | 3 | 2 | 0 | 0 |
| 04SHT543 | 392413 | 7027845 | <0.2 | 0 | 1 | 49 | <0.5 | <1 | 0 | <1 | 1 | 132 | 2 | 2 | 0 | 0 |
| 04SHT544 | 399292 | 7027806 | <0.2 | 0 | 1 | 53 | <0.5 | <1 | 0 | <1 | 1 | 156 | 3 | 1 | 0 | 0 |
| 04JST626 | 396568 | 7002664 | <0.2 | 1 | 2 | 47 | <0.5 | <1 | 0 | <1 | 2 | 101 | 5 | 2 | 0 | 0 |
| 04JST629 | 389205 | 7005111 | <0.2 | 1 | 2 | 57 | <0.5 | <1 | 0 | <1 | 3 | 111 | 7 | 2 | 0 | 0 |
| 04JST630 | 391854 | 7006508 | <0.2 | 1 | 1 | 65 | <0.5 | <1 | 0 | <1 | 2 | 108 | 4 | 2 | 0 | 0 |
| 04JST652 | 391279 | 7010625 | <0.2 | 1 | 2 | 76 | <0.5 | <1 | 0 | <1 | 2 | 104 | 5 | 1 | 0 | 0 |
| 04JST653 | 390809 | 7012819 | <0.2 | 1 | 2 | 63 | <0.5 | <1 | 0 | <1 | 2 | 120 | 5 | 1 | 0 | 0 |
| 04JST654 | 394022 | 7013627 | <0.2 | 0 | 1 | 54 | <0.5 | <1 | 0 | <1 | 2 | 105 | 3 | 2 | 0 | 0 |
| 04JST655 | 395261 | 7011015 | <0.2 | 1 | 2 | 88 | <0.5 | <1 | 0 | <1 | 2 | 105 | 6 | 2 | 0 | 0 |
| 04JST656 | 397335 | 7014327 | <0.2 | 0 | 1 | 56 | <0.5 | 2 | 0 | <1 | 2 | 80 | 3 | 1 | 0 | 0 |
| 04JST657 | 397129 | 7006785 | <0.2 | 1 | 2 | 68 | <0.5 | <1 | 1 | <1 | 3 | 102 | 5 | 2 | 0 | 0 |
| 04JST658 | 398463 | 7003983 | <0.2 | 1 | 1 | 34 | <0.5 | <1 | 0 | <1 | 1 | 85 | 3 | 2 | 0 | 0 |
| 04SHT573 | 384507 | 6987002 | <0.2 | 1 | 1 | 55 | <0.5 | <1 | 0 | <1 | 1 | 112 | 4 | 1 | 0 | 0 |
| 04SHT575 | 379335 | 6986573 | 0.3 | 1 | 2 | 49 | 0.5 | <1 | 0 | <1 | 5 | 122 | 6 | 4 | 0 | 1 |
| 04SHT577 | 383999 | 6981321 | <0.2 | 1 | 2 | 77 | <0.5 | <1 | 0 | <1 | 3 | 116 | 6 | 2 | 0 | 0 |
| 04SHT578 | 380763 | 6981061 | 0.2 | 1 | 3 | 57 | 0.5 | <1 | 1 | <1 | 4 | 209 | 4 | 3 | 0 | 1 |
| 04SHT579 | 377223 | 6980373 | <0.2 | 1 | 1 | 56 | <0.5 | <1 | 0 | <1 | 2 | 95 | 4 | 2 | 0 | 0 |
| 04SHT580 | 373789 | 6978453 | <0.2 | 1 | 1 | 51 | <0.5 | <1 | 0 | <1 | 2 | 108 | 4 | 1 | 0 | 0 |
| 04SHT581 | 377609 | 6975641 | <0.2 | 1 | 1 | 50 | <0.5 | <1 | 0 | <1 | 2 | 127 | 4 | 2 | 0 | 0 |
| | | | | | | | | | | | | | | | | |
| Average of all samples | | | <0.2 | 0.4 | 1 | 70 | <0.5 | <1 | 0 | <1 | 2 | 119 | 3 | 2 | 0 | 0 |

Baker ICP Results from SRC

| Sample | MnO_wt% | Mo_ppm | Na2O_wt% | Ni_ppm | P2O5_wt% | Pb_ppm | Sb_ppm | Sc_ppm | Sn_ppm | Sr_ppm | TiO2_wt% | V_ppm | W_ppm | Y_ppm | Zn_ppm | Zr_ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT539 | 0 | 1 | 0 | 4 | 0 | 3 | <1 | <1 | 1 | 27 | 0 | 17 | <1 | 2 | 8 | 8 |
| 04SHT541 | 0 | 2 | 0 | 7 | 0 | 3 | <1 | <1 | 1 | 31 | 0 | 17 | <1 | 2 | 9 | 9 |
| 04SHT542 | 0 | 1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 26 | 0 | 19 | <1 | 2 | 9 | 8 |
| 04SHT543 | 0 | 1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 26 | 0 | 17 | <1 | 3 | 9 | 9 |
| 04SHT544 | 0 | 1 | 0 | 5 | 0 | 3 | <1 | <1 | 1 | 25 | 0 | 13 | <1 | 2 | 8 | 6 |
| 04JST626 | 0 | 1 | 0 | 6 | 0 | 5 | <1 | 1 | 1 | 28 | 0 | 24 | <1 | 4 | 13 | 5 |
| 04JST629 | 0 | <1 | 0 | 10 | 0 | 5 | <1 | 1 | 1 | 32 | 0 | 27 | <1 | 5 | 17 | 9 |
| 04JST630 | 0 | 1 | 0 | 6 | 0 | 4 | <1 | <1 | 1 | 28 | 0 | 20 | <1 | 3 | 11 | 7 |
| 04JST652 | 0 | <1 | 0 | 10 | 0 | 4 | <1 | <1 | 1 | 42 | 0 | 18 | <1 | 3 | 13 | 2 |
| 04JST653 | 0 | 1 | 0 | 8 | 0 | 4 | <1 | 1 | 2 | 30 | 0 | 17 | <1 | 3 | 12 | 8 |
| 04JST654 | 0 | 1 | 0 | 6 | 0 | 4 | <1 | <1 | 1 | 28 | 0 | 20 | <1 | 2 | 10 | 6 |
| 04JST655 | 0 | <1 | 0 | 9 | 0 | 4 | <1 | 1 | 1 | 32 | 0 | 23 | <1 | 4 | 13 | 9 |
| 04JST656 | 0 | <1 | 0 | 6 | 0 | 3 | <1 | <1 | 1 | 28 | 0 | 17 | <1 | 3 | 10 | 8 |
| 04JST657 | 0 | <1 | 0 | 11 | 0 | 3 | <1 | 1 | 2 | 30 | 0 | 22 | <1 | 6 | 17 | 7 |
| 04JST658 | 0 | <1 | 0 | 5 | 0 | 5 | <1 | <1 | <1 | 22 | 0 | 23 | <1 | 4 | 15 | 12 |
| 04SHT573 | 0 | 1 | 0 | 6 | 0 | 4 | <1 | 1 | 1 | 27 | 0 | 16 | <1 | 4 | 12 | 8 |
| 04SHT575 | 0 | <1 | 0 | 14 | 0 | 8 | <1 | 2 | 2 | 30 | 0 | 55 | <1 | 4 | 49 | |
| 04SHT577 | 0 | 1 | 0 | 7 | 0 | 74 | <1 | 1 | 70 | 31 | 0 | 20 | <1 | 4 | 14 | 11 |
| 04SHT578 | 0 | 1 | 0 | 14 | 0 | 6 | <1 | 2 | 1 | 35 | 0 | 45 | <1 | 5 | 39 | |
| 04SHT579 | 0 | <1 | 0 | 6 | 0 | 4 | <1 | 1 | <1 | 28 | 0 | 21 | <1 | 4 | 13 | 6 |
| 04SHT580 | 0 | 1 | 0 | 6 | 0 | 4 | <1 | <1 | 1 | 27 | 0 | 16 | <1 | 4 | 11 | 9 |
| 04SHT581 | 0 | 1 | 0 | 8 | 0 | 4 | <1 | 1 | 1 | 30 | 0 | 28 | <1 | 5 | 16 | 8 |
| | | | | | | | | | | | | | | | | |
| Average of | 0 | <1 | 0 | 6 | 0 | 4 | <1 | <1 | <1 | 28 | 0 | 20 | <1 | 3 | 11 | 8 |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.28 (04-670)
Samples: 84

**SRC Geoanalytical Laboratories**
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 05-115
Date: February 25, 2005

**Multi-Element ICP Analysis**
Aqua Regia Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Arsenic in ppm (As)
Barium in ppm (Ba)
Berylium in ppm (Be)

Bismuth in ppm (Bi)
Calcium in wt % (CaO)
Cadmium in ppm (Cd)
Cobalt in ppm (Co)
Chromium in ppm (Cr)

Copper in ppm (Cu)
Iron in wt % (Fe2O3)
Potassium in wt % (K2O)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)

Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Scandium in ppm (Sc)
Tin in ppm (Sn)
Strontium in ppm (Sr)
Titanium in wt % (TiO2)

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Zinc in ppm (Zn)
Zirconium in ppm (Zr)

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.28 (04-670)
Samples: 84

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Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 05-115
Date: February 25, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ag ppm | Al2O3 wt % | As ppm | Ba ppm | Be ppm | Bi ppm | CaO wt % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe2O3 wt % | K2O wt % | MgO wt % | MnO wt % | Mo ppm | Na2O wt % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | <0.2 | 6.25 | 10 | 302 | 1.9 | <1 | 0.51 | 1 | 38 | 78 | 50 | 11.4 | 0.53 | 1.19 | 0.624 | 16 | 0.02 |
| [redacted] | | | | | | | | | | | | | | | | | |
| 04JST631 | <0.2 | 0.51 | 1 | 48 | <0.5 | <1 | 0.32 | <1 | 2 | 130 | 3 | 1.75 | 0.11 | 0.24 | 0.011 | <1 | 0.05 |
| 04JST645 | <0.2 | 0.59 | 1 | 46 | <0.5 | 1 | 0.35 | <1 | 2 | 137 | 5 | 1.95 | 0.11 | 0.28 | 0.011 | <1 | 0.06 |
| 04JST649 | <0.2 | 0.55 | <1 | 74 | <0.5 | <1 | 0.39 | <1 | 3 | 140 | 4 | 1.95 | 0.11 | 0.26 | 0.011 | 1 | 0.06 |
| 04JST650 | <0.2 | 0.58 | 1 | 44 | <0.5 | <1 | 0.35 | <1 | 2 | 152 | 4 | 1.75 | 0.11 | 0.28 | 0.011 | <1 | 0.06 |
| 04JST659 | <0.2 | 0.47 | 1 | 56 | <0.5 | <1 | 0.33 | <1 | 1 | 143 | 5 | 1.48 | 0.09 | 0.23 | 0.008 | <1 | 0.05 |
| [redacted] | | | | | | | | | | | | | | | | | |
| LS3 | <0.2 | 6.22 | 10 | 306 | 1.9 | <1 | 0.51 | 1 | 38 | 77 | 50 | 11.5 | 0.53 | 1.17 | 0.631 | 16 | 0.02 |
| [redacted] | | | | | | | | | | | | | | | | | |
| 04JST645 R | <0.2 | 0.55 | 1 | 43 | <0.5 | <1 | 0.33 | <1 | 2 | 145 | 4 | 1.87 | 0.09 | 0.27 | 0.011 | <1 | 0.05 |

**Shear Minerals Ltd.**
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PO #/Project: SM04.28 (04-670)
Samples: 84

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Report No: 05-115
Date: February 25, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ag ppm | Al2O3 wt % | As ppm | Ba ppm | Be ppm | Bi ppm | CaO wt % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe2O3 wt % | K2O wt % | MgO wt % | MnO wt % | Mo ppm | Na2O wt % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | <0.2 | 6.32 | 10 | 310 | 2.1 | 1 | 0.51 | 1 | 39 | 80 | 51 | 11.7 | 0.54 | 1.13 | 0.642 | 16 | 0.02 |
| [redacted] | | | | | | | | | | | | | | | | | |
| LS3 | <0.2 | 6.56 | 10 | 318 | 2.1 | 1 | 0.52 | 1 | 39 | 77 | 53 | 12.1 | 0.53 | 1.17 | 0.656 | 17 | 0.02 |
| [redacted] | | | | | | | | | | | | | | | | | |

**Shear Minerals Ltd.**
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PO #/Project: SM04.28 (04-670)
Samples: 84

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Report No: 05-115
Date: February 25, 2005

**Multi-Element ICP Analysis**
Aqua Regia Digestion

| Sample Number | Ag ppm | Al2O3 wt % | As ppm | Ba ppm | Be ppm | Bi ppm | CaO wt % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe2O3 wt % | K2O wt % | MgO wt % | MnO wt % | Mo ppm | Na2O wt % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | <0.2 | 6.41 | 10 | 313 | 2.1 | <1 | 0.51 | 1 | 38 | 78 | 51 | 11.8 | 0.55 | 1.14 | 0.644 | 16 | 0.02 |
| [redacted] | | | | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | | | | |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.28 (04-670)
Samples: 84

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Report No: 05-115
Date: February 25, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ni ppm | P2O5 wt % | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | TiO2 wt % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 53 | 0.565 | 17 | <1 | 6 | <1 | 24 | 0.12 | 107 | <1 | 19 | 206 | 2 |
| [redacted] | | | | | | | | | | | | | |
| 04JST631 | 7 | 0.119 | 4 | <1 | <1 | <1 | 23 | 0.07 | 22 | <1 | 4 | 9 | 8 |
| 04JST645 | 7 | 0.127 | 4 | <1 | 1 | <1 | 25 | 0.07 | 24 | 1 | 4 | 11 | 8 |
| 04JST649 | 7 | 0.144 | 4 | <1 | 1 | <1 | 28 | 0.07 | 25 | 1 | 5 | 13 | 10 |
| 04JST650 | 6 | 0.127 | 4 | <1 | 1 | <1 | 25 | 0.07 | 21 | 1 | 4 | 11 | 9 |
| 04JST659 | 5 | 0.132 | 4 | <1 | <1 | <1 | 24 | 0.06 | 18 | <1 | 4 | 8 | 9 |
| [redacted] | | | | | | | | | | | | | |
| LS3 | 52 | 0.567 | 17 | <1 | 6 | <1 | 24 | 0.13 | 106 | <1 | 19 | 205 | 2 |
| [redacted] | | | | | | | | | | | | | |
| 04JST645 R | 8 | 0.129 | 4 | <1 | 1 | <1 | 24 | 0.07 | 23 | 1 | 4 | 10 | 8 |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.28 (04-670)
Samples: 84

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Report No: 05-115
Date: February 25, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ni ppm | P2O5 wt % | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | TiO2 wt % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 53 | 0.566 | 18 | <1 | 7 | <1 | 24 | 0.13 | 109 | <1 | 19 | 209 | 2 |
| [redacted] | | | | | | | | | | | | | |
| LS3 | 53 | 0.554 | 18 | <1 | 8 | <1 | 25 | 0.14 | 110 | <1 | 20 | 217 | 2 |
| [redacted] | | | | | | | | | | | | | |

**SRC Geoanalytical Laboratories**
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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.28 (04-670)
Samples: 84

Report No: 05-115
Date: February 25, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ni ppm | P2O5 wt % | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | TiO2 wt % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 52 | 0.573 | 18 | <1 | 7 | <1 | 25 | 0.14 | 109 | <1 | 19 | 208 | 2 |
| [redacted] | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | |

Aqua Regia: A 0.5 g pulp is digested with 2.00 ml of 3:1 HCL:HNO3 for 1 hour at 95 C.

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.29 (04-682)
Samples: 75

**SRC Geoanalytical Laboratories**
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 05-116
Date: March 21, 2005

**Multi-Element ICP Analysis**
Aqua Regia Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Arsenic in ppm (As)
Barium in ppm (Ba)
Berylium in ppm (Be)

Bismuth in ppm (Bi)
Calcium in wt % (CaO)
Cadmium in ppm (Cd)
Cobalt in ppm (Co)
Chromium in ppm (Cr)

Copper in ppm (Cu)
Iron in wt % (Fe2O3)
Potassium in wt % (K2O)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)

Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Scandium in ppm (Sc)
Tin in ppm (Sn)
Strontium in ppm (Sr)
Titanium in wt % (TiO2)

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Zinc in ppm (Zn)
Zirconium in ppm (Zr)

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.29 (04-682)
Samples: 75

**SRC Geoanalytical Laboratories**
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 05-116
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ag ppm | Al2O3 wt % | As ppm | Ba ppm | Be ppm | Bi ppm | CaO wt % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe2O3 wt % | K2O wt % | MgO wt % | MnO wt % | Mo ppm | Na2O wt % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | <0.2 | 6.47 | 10 | 314 | 2.1 | <1 | 0.52 | 1 | 39 | 77 | 51 | 11.7 | 0.56 | 1.18 | 0.648 | 17 | 0.02 |
| [redacted] | | | | | | | | | | | | | | | | | |
| LS3 | <0.2 | 6.28 | 9 | 311 | 1.9 | <1 | 0.51 | 1 | 40 | 80 | 51 | 11.3 | 0.55 | 1.19 | 0.641 | 16 | 0.02 |
| [redacted] | | | | | | | | | | | | | | | | | |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.29 (04-682)
Samples: 75

**SRC Geoanalytical Laboratories**
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 05-116
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ag ppm | Al2O3 wt % | As ppm | Ba ppm | Be ppm | Bi ppm | CaO wt % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe2O3 wt % | K2O wt % | MgO wt % | MnO wt % | Mo ppm | Na2O wt % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | <0.2 | 6.47 | 10 | 313 | 2.1 | <1 | 0.51 | 1 | 41 | 77 | 52 | 11.8 | 0.55 | 1.19 | 0.642 | 16 | 0.02 |
| [redacted] | | | | | | | | | | | | | | | | | |
| 04SHT564 | <0.2 | 0.56 | 1 | 50 | <0.5 | 1 | 0.32 | <1 | 2 | 111 | 4 | 1.74 | 0.11 | 0.28 | 0.011 | <1 | 0.05 |
| 04SHT586 | <0.2 | 0.35 | 1 | 37 | <0.5 | <1 | 0.27 | <1 | 2 | 47 | 3 | 1.54 | 0.05 | 0.25 | 0.008 | <1 | 0.01 |
| 04SHT587 | <0.2 | 0.59 | 1 | 55 | <0.5 | <1 | 0.34 | <1 | 3 | 132 | 3 | 1.67 | 0.11 | 0.31 | 0.011 | <1 | 0.05 |
| 04SHT588 | <0.2 | 0.57 | 1 | 66 | <0.5 | <1 | 0.37 | <1 | 2 | 131 | 4 | 1.85 | 0.11 | 0.29 | 0.011 | <1 | 0.05 |
| 04SHT589 | <0.2 | 0.51 | <1 | 48 | <0.5 | <1 | 0.32 | <1 | 2 | 108 | 4 | 1.87 | 0.09 | 0.26 | 0.011 | <1 | 0.05 |
| 04SHT591 | <0.2 | 0.49 | 1 | 56 | <0.5 | <1 | 0.36 | <1 | 2 | 111 | 5 | 1.42 | 0.09 | 0.24 | 0.009 | <1 | 0.04 |
| 04SHT594 | <0.2 | 1.15 | 1 | 51 | <0.5 | <1 | 0.52 | <1 | 6 | 182 | 4 | 3.01 | 0.21 | 0.71 | 0.021 | 1 | 0.07 |
| 04SHT595 | <0.2 | 0.76 | 1 | 45 | <0.5 | <1 | 0.41 | <1 | 3 | 157 | 11 | 1.91 | 0.13 | 0.37 | 0.012 | <1 | 0.04 |
| 04SHT596 | <0.2 | 0.45 | 1 | 54 | <0.5 | <1 | 0.31 | <1 | 4 | 98 | 3 | 1.44 | 0.11 | 0.19 | 0.025 | <1 | 0.04 |
| LS3 | <0.2 | 6.52 | 10 | 315 | 2.1 | <1 | 0.52 | 1 | 39 | 79 | 52 | 11.9 | 0.55 | 1.18 | 0.648 | 16 | 0.02 |
| 04SHT598 | <0.2 | 0.38 | <1 | 42 | <0.5 | <1 | 0.31 | <1 | 2 | 80 | 3 | 1.17 | 0.08 | 0.17 | 0.017 | <1 | 0.02 |
| 04SHT599 | <0.2 | 0.42 | 1 | 54 | <0.5 | <1 | 0.33 | <1 | 1 | 90 | 2 | 1.09 | 0.09 | 0.18 | 0.007 | <1 | 0.04 |
| 04SHT600 | <0.2 | 0.44 | <1 | 56 | <0.5 | <1 | 0.29 | <1 | 2 | 125 | 3 | 1.26 | 0.11 | 0.18 | 0.008 | <1 | 0.04 |
| 04SHT601 | <0.2 | 0.59 | <1 | 40 | <0.5 | <1 | 0.34 | <1 | 2 | 142 | 3 | 1.36 | 0.11 | 0.41 | 0.011 | <1 | 0.04 |
| 04SHT602 | <0.2 | 0.48 | <1 | 57 | <0.5 | <1 | 0.32 | <1 | 2 | 120 | 4 | 1.44 | 0.11 | 0.22 | 0.011 | <1 | 0.04 |
| [redacted] | | | | | | | | | | | | | | | | | |
| 04SHT591 R | <0.2 | 0.52 | <1 | 58 | <0.5 | <1 | 0.37 | <1 | 2 | 114 | 5 | 1.41 | 0.11 | 0.25 | 0.009 | <1 | 0.05 |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.29 (04-682)
Samples: 75

Report No: 05-116
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ni ppm | P2O5 wt % | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | TiO2 wt % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 53 | 0.572 | 19 | <1 | 7 | <1 | 25 | 0.16 | 107 | <1 | 20 | 211 | 2 |
| [redacted] | | | | | | | | | | | | | |
| LS3 | 52 | 0.567 | 18 | <1 | 7 | <1 | 25 | 0.17 | 103 | <1 | 19 | 210 | 2 |
| [redacted] | | | | | | | | | | | | | |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.29 (04-682)
Samples: 75

**SRC Geoanalytical Laboratories**
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Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 05-116
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ni ppm | P2O5 wt % | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | TiO2 wt % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 54 | 0.557 | 18 | <1 | 7 | <1 | 25 | 0.15 | 111 | <1 | 20 | 211 | 2 |
| [redacted] | | | | | | | | | | | | | |
| 04SHT564 | 6 | 0.113 | 4 | <1 | 1 | <1 | 26 | 0.07 | 22 | 1 | 4 | 11 | 8 |
| 04SHT586 | 5 | 0.146 | 3 | <1 | <1 | <1 | 23 | 0.04 | 19 | <1 | 4 | 14 | 7 |
| 04SHT587 | 8 | 0.129 | 4 | <1 | 1 | <1 | 29 | 0.07 | 21 | <1 | 4 | 14 | 10 |
| 04SHT588 | 7 | 0.145 | 5 | <1 | 1 | <1 | 32 | 0.07 | 23 | <1 | 5 | 13 | 11 |
| 04SHT589 | 6 | 0.119 | 4 | <1 | <1 | <1 | 26 | 0.06 | 23 | 1 | 4 | 14 | 9 |
| 04SHT591 | 5 | 0.151 | 4 | <1 | <1 | <1 | 27 | 0.06 | 18 | <1 | 5 | 10 | 9 |
| 04SHT594 | 15 | 0.164 | 5 | <1 | 2 | <1 | 35 | 0.15 | 45 | <1 | 4 | 29 | 3 |
| 04SHT595 | 9 | 0.153 | 6 | <1 | 1 | <1 | 29 | 0.11 | 25 | <1 | 5 | 16 | 8 |
| 04SHT596 | 7 | 0.122 | 6 | <1 | <1 | <1 | 28 | 0.05 | 17 | <1 | 5 | 12 | 11 |
| LS3 | 54 | 0.561 | 18 | <1 | 7 | <1 | 25 | 0.15 | 109 | <1 | 20 | 213 | 2 |
| 04SHT598 | 5 | 0.122 | 5 | <1 | <1 | <1 | 25 | 0.05 | 13 | 1 | 4 | 9 | 10 |
| 04SHT599 | 5 | 0.151 | 3 | <1 | <1 | <1 | 28 | 0.05 | 14 | <1 | 4 | 17 | 10 |
| 04SHT600 | 5 | 0.127 | 3 | <1 | <1 | <1 | 26 | 0.05 | 14 | <1 | 4 | 11 | 10 |
| 04SHT601 | 15 | 0.136 | 4 | <1 | <1 | <1 | 27 | 0.07 | 17 | <1 | 4 | 21 | 9 |
| 04SHT602 | 5 | 0.127 | 3 | <1 | <1 | <1 | 28 | 0.06 | 17 | <1 | 4 | 11 | 10 |
| [redacted] | | | | | | | | | | | | | |
| 04SHT591 R | 6 | 0.147 | 4 | <1 | <1 | <1 | 29 | 0.06 | 17 | 1 | 5 | 12 | 10 |

Aqua Regia: A 0.5 g pulp is digested with 2.00 ml of 3:1 HCL:HNO3 for 1 hour at 95 C.

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project:
Samples: 94

**SRC Geoanalytical Laboratories**
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Report No: 05-117
Date: March 15, 2005

**Multi-Element ICP Analysis**
Aqua Regia Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Arsenic in ppm (As)
Barium in ppm (Ba)
Berylium in ppm (Be)

Bismuth in ppm (Bi)
Calcium in wt % (CaO)
Cadmium in ppm (Cd)
Cobalt in ppm (Co)
Chromium in ppm (Cr)

Copper in ppm (Cu)
Iron in wt % (Fe2O3)
Potassium in wt % (K2O)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)

Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Scandium in ppm (Sc)
Tin in ppm (Sn)
Strontium in ppm (Sr)
Titanium in wt % (TiO2)

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Zinc in ppm (Zn)
Zirconium in ppm (Zr)

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project:
Samples: 94

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## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ag ppm | Al2O3 wt % | As ppm | Ba ppm | Be ppm | Bi ppm | CaO wt % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe2O3 wt % | K2O wt % | MgO wt % | MnO wt % | Mo ppm | Na2O wt % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 0.2 | 6.33 | 11 | 306 | 2.0 | <1 | 0.51 | 1 | 39 | 76 | 52 | 11.7 | 0.52 | 1.16 | 0.629 | 17 | 0.02 |
| 04JST417 | <0.2 | 0.35 | 1 | 44 | <0.5 | <1 | 0.19 | <1 | 2 | 116 | 3 | 1.73 | 0.06 | 0.14 | 0.012 | 1 | 0.03 |
| 04JST420 | <0.2 | 0.34 | 1 | 57 | <0.5 | <1 | 0.21 | <1 | 2 | 114 | 3 | 1.66 | 0.06 | 0.14 | 0.016 | 1 | 0.03 |
| 04JST421 | <0.2 | 0.37 | 1 | 39 | <0.5 | <1 | 0.21 | <1 | 1 | 111 | 3 | 1.57 | 0.06 | 0.17 | 0.009 | <1 | 0.03 |
| 04JST423 | <0.2 | 0.31 | 1 | 52 | <0.5 | <1 | 0.16 | <1 | 2 | 126 | 2 | 2.21 | 0.05 | 0.13 | 0.009 | 1 | 0.02 |
| 04JST424 | <0.2 | 0.31 | 1 | 57 | <0.5 | <1 | 0.16 | <1 | 1 | 109 | 2 | 1.55 | 0.05 | 0.12 | 0.008 | 1 | 0.02 |
| 04JST429 | <0.2 | 0.17 | 1 | 24 | <0.5 | <1 | 0.11 | <1 | 1 | 35 | 1 | 1.24 | 0.01 | 0.11 | 0.004 | <1 | <0.01 |
| 04JST430 | <0.2 | 0.39 | 2 | 55 | <0.5 | <1 | 0.19 | <1 | 2 | 115 | 2 | 3.98 | 0.06 | 0.18 | 0.014 | 1 | 0.02 |
| 04JST431 | <0.2 | 0.39 | 1 | 47 | <0.5 | <1 | 0.21 | <1 | 1 | 107 | 2 | 0.97 | 0.06 | 0.17 | 0.006 | 1 | 0.03 |
| 04JST432 | <0.2 | 0.47 | 1 | 27 | <0.5 | <1 | 0.24 | <1 | 2 | 110 | 4 | 2.05 | 0.06 | 0.22 | 0.011 | <1 | 0.03 |
| 04JST434 | <0.2 | 0.44 | 2 | 51 | <0.5 | <1 | 0.18 | <1 | 1 | 115 | 2 | 0.97 | 0.07 | 0.18 | 0.006 | 1 | 0.03 |
| 04JST435 | <0.2 | 0.37 | 1 | 37 | <0.5 | <1 | 0.21 | <1 | 1 | 123 | 2 | 1.86 | 0.05 | 0.16 | 0.008 | 1 | 0.03 |
| 04JST453 | <0.2 | 0.15 | 2 | 28 | <0.5 | <1 | 0.07 | <1 | 1 | 51 | 1 | 1.16 | 0.01 | 0.08 | 0.008 | <1 | <0.01 |
| 04JST455 | <0.2 | 0.29 | 1 | 47 | <0.5 | <1 | 0.11 | <1 | 1 | 115 | 1 | 1.51 | 0.05 | 0.11 | 0.006 | 1 | 0.01 |
| 04JST484 | <0.2 | 0.42 | 2 | 160 | <0.5 | <1 | 0.21 | <1 | 3 | 94 | 4 | 1.91 | 0.07 | 0.27 | 0.027 | 1 | 0.02 |
| 04JST485 | <0.2 | 0.43 | 2 | 130 | <0.5 | <1 | 0.28 | <1 | 2 | 97 | 3 | 1.77 | 0.07 | 0.31 | 0.014 | <1 | 0.02 |
| 04JST486 | <0.2 | 0.51 | 2 | 57 | <0.5 | <1 | 0.27 | <1 | 2 | 95 | 3 | 1.69 | 0.08 | 0.33 | 0.011 | 1 | 0.03 |
| 04JST487 | <0.2 | 0.43 | 2 | 130 | <0.5 | <1 | 0.23 | <1 | 3 | 104 | 3 | 2.03 | 0.07 | 0.26 | 0.019 | 1 | 0.02 |
| 04JST488 | <0.2 | 0.43 | 3 | 121 | <0.5 | <1 | 0.53 | <1 | 2 | 140 | 4 | 1.76 | 0.08 | 0.35 | 0.015 | <1 | 0.03 |
| 04JST489 | <0.2 | 0.55 | 3 | 110 | <0.5 | <1 | 0.36 | <1 | 3 | 97 | 4 | 1.88 | 0.09 | 0.37 | 0.018 | <1 | 0.03 |
| LS3 | 0.2 | 6.27 | 11 | 316 | 2.1 | <1 | 0.53 | 1 | 40 | 77 | 51 | 11.8 | 0.51 | 1.15 | 0.633 | 18 | 0.02 |
| 04JST490 | <0.2 | 0.56 | 3 | 55 | <0.5 | <1 | 0.29 | <1 | 2 | 96 | 3 | 1.88 | 0.08 | 0.35 | 0.014 | 1 | 0.03 |
| 04JST491 | <0.2 | 0.61 | 3 | 64 | <0.5 | <1 | 0.29 | <1 | 3 | 96 | 4 | 2.42 | 0.09 | 0.41 | 0.017 | <1 | 0.03 |
| 04JST492 | <0.2 | 0.46 | 2 | 70 | <0.5 | <1 | 0.26 | <1 | 2 | 100 | 3 | 2.31 | 0.07 | 0.28 | 0.013 | <1 | 0.02 |
| 04JST493 | <0.2 | 0.34 | 1 | 46 | <0.5 | <1 | 0.17 | <1 | 1 | 106 | 2 | 1.91 | 0.06 | 0.17 | 0.008 | 1 | 0.02 |
| 04JST494 | <0.2 | 0.38 | 1 | 54 | <0.5 | <1 | 0.18 | <1 | 2 | 107 | 4 | 1.94 | 0.06 | 0.21 | 0.011 | 1 | 0.02 |
| 04JST495 | <0.2 | 0.28 | 1 | 43 | <0.5 | <1 | 0.11 | <1 | 1 | 128 | 2 | 1.43 | 0.05 | 0.11 | 0.007 | 1 | 0.01 |
| 04JST496 | <0.2 | 0.69 | 2 | 55 | <0.5 | <1 | 0.33 | <1 | 3 | 104 | 4 | 2.09 | 0.11 | 0.38 | 0.015 | 1 | 0.04 |
| 04JST497 | <0.2 | 0.59 | 2 | 76 | <0.5 | <1 | 0.35 | <1 | 3 | 103 | 4 | 1.89 | 0.11 | 0.34 | 0.021 | 1 | 0.04 |
| 04JST498 | <0.2 | 0.58 | 2 | 52 | <0.5 | <1 | 0.32 | <1 | 4 | 73 | 4 | 1.72 | 0.08 | 0.37 | 0.021 | <1 | 0.02 |
| 04JST499 | <0.2 | 0.58 | 2 | 56 | <0.5 | <1 | 0.31 | <1 | 3 | 155 | 4 | 1.95 | 0.11 | 0.31 | 0.016 | <1 | 0.03 |
| 04JST500 | <0.2 | 0.55 | 2 | 68 | <0.5 | <1 | 0.39 | <1 | 3 | 91 | 4 | 1.61 | 0.11 | 0.32 | 0.023 | <1 | 0.03 |
| 04JST501 | <0.2 | 0.61 | 2 | 96 | <0.5 | <1 | 0.34 | <1 | 5 | 78 | 5 | 1.86 | 0.11 | 0.36 | 0.039 | 1 | 0.03 |
| 04JST502 | <0.2 | 0.52 | 2 | 88 | <0.5 | <1 | 0.41 | <1 | 2 | 88 | 4 | 1.84 | 0.09 | 0.36 | 0.015 | <1 | 0.03 |
| 04JST503 | <0.2 | 0.48 | 2 | 89 | <0.5 | <1 | 0.32 | <1 | 3 | 89 | 4 | 1.84 | 0.08 | 0.33 | 0.018 | <1 | 0.02 |
| 04JST504 | <0.2 | 0.52 | 2 | 72 | <0.5 | <1 | 0.26 | <1 | 3 | 107 | 3 | 2.37 | 0.08 | 0.33 | 0.017 | 1 | 0.03 |
| 04JST505 | <0.2 | 0.45 | 2 | 70 | <0.5 | <1 | 0.26 | <1 | 3 | 99 | 3 | 1.96 | 0.07 | 0.27 | 0.019 | 1 | 0.02 |
| 04JST506 | <0.2 | 0.43 | 2 | 73 | <0.5 | <1 | 0.23 | <1 | 2 | 96 | 3 | 1.78 | 0.06 | 0.29 | 0.013 | <1 | 0.02 |
| 04JST507 | <0.2 | 0.51 | 2 | 56 | <0.5 | <1 | 0.27 | <1 | 2 | 103 | 3 | 1.81 | 0.08 | 0.31 | 0.011 | 1 | 0.03 |
| 04JST502 R | <0.2 | 0.52 | 2 | 82 | <0.5 | <1 | 0.38 | <1 | 2 | 94 | 4 | 1.87 | 0.09 | 0.34 | 0.014 | 1 | 0.03 |

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Report No: 05-117
Date: March 15, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ag ppm | Al2O3 wt % | As ppm | Ba ppm | Be ppm | Bi ppm | CaO wt % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe2O3 wt % | K2O wt % | MgO wt % | MnO wt % | Mo ppm | Na2O wt % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 0.2 | 6.22 | 11 | 327 | 2.0 | <1 | 0.53 | 1 | 40 | 78 | 53 | 11.2 | 0.52 | 1.19 | 0.624 | 18 | 0.02 |
| 04JST508 | <0.2 | 0.48 | 2 | 57 | <0.5 | <1 | 0.26 | <1 | 2 | 112 | 4 | 1.91 | 0.08 | 0.29 | 0.014 | 1 | 0.02 |
| 04JST509 | <0.2 | 0.58 | 3 | 53 | <0.5 | <1 | 0.38 | <1 | 2 | 98 | 4 | 1.61 | 0.09 | 0.34 | 0.013 | 1 | 0.04 |
| 04JST510 | <0.2 | 0.59 | 1 | 41 | <0.5 | <1 | 0.35 | <1 | 3 | 118 | 3 | 2.17 | 0.09 | 0.33 | 0.016 | 1 | 0.04 |
| 04JST511 | <0.2 | 0.55 | 2 | 48 | <0.5 | <1 | 0.34 | <1 | 2 | 104 | 3 | 1.62 | 0.08 | 0.31 | 0.011 | 1 | 0.03 |
| 04JST512 | <0.2 | 0.52 | 2 | 49 | <0.5 | <1 | 0.33 | <1 | 2 | 99 | 4 | 1.66 | 0.08 | 0.31 | 0.011 | 1 | 0.03 |
| 04JST513 | <0.2 | 0.51 | 1 | 40 | <0.5 | <1 | 0.31 | <1 | 2 | 92 | 3 | 1.68 | 0.08 | 0.28 | 0.015 | 1 | 0.03 |
| 04JST514 | <0.2 | 0.48 | 2 | 41 | <0.5 | <1 | 0.32 | <1 | 1 | 84 | 2 | 1.42 | 0.07 | 0.27 | 0.009 | <1 | 0.02 |
| 04JST515 | <0.2 | 0.47 | 1 | 40 | <0.5 | <1 | 0.27 | <1 | 3 | 101 | 3 | 1.46 | 0.08 | 0.25 | 0.015 | 1 | 0.03 |
| 04JST516 | <0.2 | 0.46 | 2 | 56 | <0.5 | <1 | 0.34 | <1 | 4 | 93 | 3 | 1.57 | 0.08 | 0.27 | 0.024 | 1 | 0.03 |
| 04JST517 | <0.2 | 0.55 | 4 | 51 | <0.5 | 5 | 0.32 | <1 | 3 | 142 | 4 | 1.59 | 0.09 | 0.31 | 0.018 | <1 | 0.03 |
| 04JST518 | <0.2 | 0.46 | 2 | 33 | <0.5 | <1 | 0.31 | <1 | 1 | 74 | 3 | 1.04 | 0.06 | 0.28 | 0.008 | <1 | 0.02 |
| 04JST519 | <0.2 | 0.55 | 2 | 38 | <0.5 | <1 | 0.31 | <1 | 2 | 85 | 3 | 1.48 | 0.08 | 0.32 | 0.011 | 1 | 0.03 |
| 04JST520 | <0.2 | 0.57 | 2 | 50 | <0.5 | <1 | 0.36 | <1 | 3 | 79 | 4 | 1.59 | 0.09 | 0.35 | 0.014 | <1 | 0.03 |
| 04JST521 | <0.2 | 0.58 | 4 | 50 | <0.5 | 1 | 0.36 | <1 | 2 | 96 | 4 | 1.78 | 0.09 | 0.36 | 0.012 | 1 | 0.03 |
| 04JST522 | <0.2 | 0.61 | 3 | 74 | <0.5 | <1 | 0.41 | <1 | 4 | 79 | 4 | 1.99 | 0.11 | 0.39 | 0.021 | <1 | 0.03 |
| 04JST523 | <0.2 | 0.61 | 2 | 68 | <0.5 | 1 | 0.41 | <1 | 4 | 101 | 4 | 1.96 | 0.11 | 0.36 | 0.021 | 1 | 0.04 |
| 04JST524 | <0.2 | 0.67 | 2 | 59 | <0.5 | <1 | 0.41 | <1 | 3 | 103 | 4 | 2.06 | 0.11 | 0.41 | 0.016 | 1 | 0.03 |
| 04JST525 | <0.2 | 0.59 | 2 | 54 | <0.5 | <1 | 0.44 | <1 | 2 | 86 | 4 | 1.73 | 0.09 | 0.35 | 0.011 | <1 | 0.04 |
| 04JST526 | <0.2 | 0.51 | 2 | 60 | <0.5 | 1 | 0.36 | <1 | 3 | 102 | 4 | 1.78 | 0.09 | 0.28 | 0.018 | 1 | 0.04 |
| LS3 | 0.3 | 6.13 | 10 | 323 | 2.1 | <1 | 0.52 | 1 | 39 | 78 | 52 | 11.7 | 0.50 | 1.17 | 0.620 | 18 | 0.02 |
| 04JST527 | <0.2 | 0.55 | 2 | 46 | <0.5 | <1 | 0.31 | <1 | 3 | 94 | 3 | 1.68 | 0.08 | 0.33 | 0.015 | 1 | 0.03 |
| 04JST528 | <0.2 | 0.81 | 2 | 51 | <0.5 | <1 | 0.47 | <1 | 3 | 135 | 7 | 2.22 | 0.15 | 0.48 | 0.017 | <1 | 0.05 |
| 04JST529 | <0.2 | 0.63 | 2 | 83 | <0.5 | <1 | 0.38 | <1 | 5 | 88 | 6 | 1.95 | 0.11 | 0.38 | 0.034 | <1 | 0.03 |
| 04JST530 | <0.2 | 0.62 | 2 | 50 | <0.5 | <1 | 0.35 | <1 | 3 | 93 | 3 | 1.97 | 0.11 | 0.36 | 0.015 | 1 | 0.03 |
| 04JST531 | <0.2 | 0.53 | 2 | 62 | <0.5 | <1 | 0.31 | <1 | 2 | 90 | 4 | 2.03 | 0.09 | 0.33 | 0.014 | <1 | 0.03 |
| 04JST532 | <0.2 | 0.51 | 2 | 49 | <0.5 | <1 | 0.27 | <1 | 2 | 109 | 3 | 2.13 | 0.08 | 0.31 | 0.013 | <1 | 0.03 |
| 04JST533 | <0.2 | 0.47 | 3 | 99 | <0.5 | <1 | 0.39 | <1 | 3 | 106 | 3 | 2.05 | 0.09 | 0.33 | 0.017 | 1 | 0.03 |
| 04JST534 | <0.2 | 0.46 | 2 | 94 | <0.5 | <1 | 0.28 | <1 | 4 | 94 | 5 | 1.84 | 0.08 | 0.27 | 0.028 | 1 | 0.03 |
| 04JST535 | <0.2 | 0.52 | 2 | 59 | <0.5 | <1 | 0.29 | <1 | 2 | 108 | 4 | 1.43 | 0.07 | 0.32 | 0.011 | <1 | 0.03 |
| 04JST538 | <0.2 | 0.44 | 2 | 115 | <0.5 | <1 | 0.34 | <1 | 2 | 108 | 4 | 1.85 | 0.08 | 0.31 | 0.017 | <1 | 0.03 |
| 04JST539 | <0.2 | 0.51 | 2 | 84 | <0.5 | <1 | 0.27 | <1 | 2 | 112 | 3 | 1.69 | 0.08 | 0.31 | 0.011 | 1 | 0.03 |
| 04JST540 | <0.2 | 0.36 | 2 | 90 | <0.5 | <1 | 0.22 | <1 | 2 | 67 | 3 | 1.64 | 0.05 | 0.26 | 0.015 | <1 | 0.01 |
| 04JST541 | <0.2 | 0.53 | 2 | 112 | <0.5 | <1 | 0.81 | <1 | 3 | 145 | 5 | 1.96 | 0.11 | 0.38 | 0.023 | 1 | 0.03 |
| 04JST542 | <0.2 | 0.51 | 2 | 78 | <0.5 | <1 | 0.37 | <1 | 3 | 82 | 3 | 1.85 | 0.08 | 0.34 | 0.017 | <1 | 0.02 |
| 04JST543 | <0.2 | 0.49 | 2 | 96 | <0.5 | <1 | 0.28 | <1 | 4 | 79 | 3 | 1.56 | 0.08 | 0.31 | 0.027 | 1 | 0.03 |
| 04JST544 | <0.2 | 0.49 | 2 | 62 | <0.5 | <1 | 0.31 | <1 | 2 | 81 | 3 | 1.53 | 0.07 | 0.31 | 0.012 | <1 | 0.02 |
| 04JST545 | <0.2 | 0.43 | 2 | 106 | <0.5 | <1 | 0.24 | <1 | 3 | 103 | 3 | 1.71 | 0.08 | 0.23 | 0.025 | 1 | 0.03 |
| 04JST546 | <0.2 | 0.36 | 1 | 84 | <0.5 | <1 | 0.22 | <1 | 2 | 102 | 3 | 1.64 | 0.06 | 0.21 | 0.014 | <1 | 0.02 |
| 04JST546 R | <0.2 | 0.37 | 2 | 83 | <0.5 | <1 | 0.23 | <1 | 2 | 109 | 3 | 1.71 | 0.07 | 0.21 | 0.014 | <1 | 0.02 |

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Report No: 05-117
Date: March 15, 2005

## Multi-Element ICP Analysis

Aqua Regia Digestion

| Sample Number | Ag ppm | Al2O3 wt % | As ppm | Ba ppm | Be ppm | Bi ppm | CaO wt % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe2O3 wt % | K2O wt % | MgO wt % | MnO wt % | Mo ppm | Na2O wt % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 0.3 | 6.30 | 11 | 305 | 2.1 | <1 | 0.51 | 1 | 39 | 76 | 52 | 11.6 | 0.51 | 1.15 | 0.640 | 18 | 0.02 |
| 04JST547 | <0.2 | 0.31 | 1 | 52 | <0.5 | <1 | 0.15 | <1 | 2 | 97 | 2 | 1.62 | 0.06 | 0.11 | 0.012 | 1 | 0.02 |
| 04JST548 | <0.2 | 0.27 | 1 | 65 | <0.5 | <1 | 0.13 | <1 | 1 | 93 | 2 | 1.63 | 0.05 | 0.11 | 0.011 | <1 | 0.02 |
| 04JST549 | <0.2 | 0.32 | 1 | 52 | <0.5 | <1 | 0.17 | <1 | 1 | 91 | 2 | 1.81 | 0.05 | 0.13 | 0.008 | 1 | 0.02 |
| 04JST550 | <0.2 | 0.33 | 1 | 56 | <0.5 | <1 | 0.17 | <1 | 1 | 101 | 2 | 1.51 | 0.05 | 0.14 | 0.007 | 1 | 0.02 |
| 04JST551 | <0.2 | 0.67 | 1 | 70 | <0.5 | <1 | 0.32 | <1 | 3 | 161 | 6 | 2.38 | 0.08 | 0.38 | 0.025 | <1 | 0.03 |
| 04JST552 | <0.2 | 0.39 | 1 | 78 | <0.5 | <1 | 0.21 | <1 | 1 | 91 | 2 | 1.26 | 0.07 | 0.16 | 0.009 | <1 | 0.03 |
| 04JST553 | <0.2 | 0.31 | 1 | 54 | <0.5 | <1 | 0.16 | <1 | 1 | 101 | 2 | 1.38 | 0.05 | 0.13 | 0.006 | 1 | 0.02 |
| 04JST554 | <0.2 | 0.34 | 1 | 68 | <0.5 | <1 | 0.17 | <1 | 1 | 78 | 2 | 1.47 | 0.06 | 0.13 | 0.007 | <1 | 0.02 |
| 04JST555 | <0.2 | 0.32 | <1 | 47 | <0.5 | <1 | 0.15 | <1 | 1 | 92 | 2 | 1.23 | 0.06 | 0.11 | 0.008 | <1 | 0.02 |
| 04JST556 | <0.2 | 0.29 | 1 | 43 | <0.5 | <1 | 0.13 | <1 | 1 | 77 | 2 | 1.43 | 0.04 | 0.11 | 0.006 | <1 | 0.02 |
| 04JST557 | <0.2 | 0.31 | 1 | 47 | <0.5 | <1 | 0.15 | <1 | 1 | 105 | 2 | 1.02 | 0.06 | 0.11 | 0.006 | <1 | 0.03 |
| 04JST558 | <0.2 | 0.29 | 1 | 67 | <0.5 | <1 | 0.13 | <1 | 1 | 96 | 2 | 1.81 | 0.05 | 0.11 | 0.011 | 1 | 0.02 |
| 04JST558 R | <0.2 | 0.29 | 1 | 68 | <0.5 | <1 | 0.13 | <1 | 1 | 92 | 2 | 1.82 | 0.05 | 0.11 | 0.011 | <1 | 0.02 |

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Report No: 05-117
Date: March 15, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ni ppm | P2O5 wt % | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | TiO2 wt % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 50 | 0.537 | 19 | <1 | 7 | <1 | 24 | 0.13 | 105 | <1 | 16 | 215 | 1 |
| 04JST417 | 26 | 0.065 | 4 | <1 | <1 | 1 | 22 | 0.03 | 18 | <1 | 2 | 8 | 5 |
| 04JST420 | 9 | 0.073 | 4 | <1 | <1 | 1 | 23 | 0.04 | 17 | <1 | 2 | 11 | 6 |
| 04JST421 | 6 | 0.077 | 4 | <1 | <1 | 1 | 21 | 0.04 | 16 | <1 | 2 | 15 | 4 |
| 04JST423 | 10 | 0.061 | 3 | <1 | <1 | 1 | 22 | 0.03 | 22 | 1 | 2 | 14 | 5 |
| 04JST424 | 6 | 0.067 | 3 | <1 | <1 | 1 | 23 | 0.03 | 15 | <1 | 2 | 9 | 5 |
| 04JST429 | 4 | 0.062 | 2 | <1 | <1 | <1 | 18 | 0.02 | 13 | <1 | 1 | 6 | 3 |
| 04JST430 | 8 | 0.067 | 5 | <1 | <1 | 1 | 28 | 0.05 | 43 | <1 | 2 | 19 | 6 |
| 04JST431 | 8 | 0.088 | 3 | <1 | <1 | 1 | 28 | 0.03 | 11 | <1 | 2 | 12 | 4 |
| 04JST432 | 7 | 0.078 | 3 | <1 | <1 | 1 | 24 | 0.05 | 22 | <1 | 2 | 13 | 3 |
| 04JST434 | 6 | 0.084 | 2 | <1 | <1 | 1 | 23 | 0.03 | 11 | <1 | 2 | 9 | 4 |
| 04JST435 | 7 | 0.074 | 3 | <1 | <1 | 1 | 23 | 0.04 | 19 | <1 | 2 | 10 | 5 |
| 04JST453 | 5 | 0.043 | 2 | <1 | <1 | 1 | 24 | 0.01 | 11 | <1 | 1 | 6 | 4 |
| 04JST455 | 6 | 0.058 | 3 | <1 | <1 | 1 | 29 | 0.02 | 14 | <1 | 1 | 8 | 6 |
| 04JST484 | 10 | 0.096 | 6 | <1 | <1 | 2 | 36 | 0.04 | 20 | <1 | 3 | 14 | 9 |
| 04JST485 | 9 | 0.093 | 5 | <1 | <1 | 2 | 36 | 0.04 | 19 | <1 | 3 | 12 | 9 |
| 04JST486 | 9 | 0.127 | 4 | <1 | <1 | 2 | 32 | 0.05 | 19 | <1 | 3 | 13 | 6 |
| 04JST487 | 9 | 0.101 | 5 | <1 | <1 | 1 | 34 | 0.05 | 22 | <1 | 3 | 12 | 8 |
| 04JST488 | 9 | 0.106 | 4 | <1 | <1 | 2 | 43 | 0.05 | 19 | <1 | 3 | 11 | 9 |
| 04JST489 | 9 | 0.138 | 5 | <1 | 1 | 2 | 38 | 0.06 | 22 | <1 | 4 | 13 | 9 |
| LS3 | 51 | 0.531 | 19 | 1 | 7 | <1 | 25 | 0.15 | 109 | <1 | 17 | 231 | 1 |
| 04JST490 | 10 | 0.126 | 5 | <1 | 1 | 2 | 33 | 0.07 | 21 | <1 | 3 | 13 | 8 |
| 04JST491 | 10 | 0.138 | 6 | <1 | 1 | 2 | 34 | 0.07 | 27 | <1 | 4 | 16 | 8 |
| 04JST492 | 8 | 0.112 | 5 | <1 | <1 | 2 | 33 | 0.06 | 25 | <1 | 3 | 13 | 9 |
| 04JST493 | 6 | 0.076 | 3 | <1 | <1 | 1 | 26 | 0.04 | 20 | <1 | 2 | 12 | 8 |
| 04JST494 | 7 | 0.076 | 4 | <1 | <1 | 1 | 30 | 0.04 | 21 | <1 | 2 | 12 | 8 |
| 04JST495 | 5 | 0.051 | 3 | <1 | <1 | <1 | 29 | 0.02 | 13 | <1 | 2 | 6 | 8 |
| 04JST496 | 10 | 0.129 | 5 | <1 | 1 | 2 | 32 | 0.08 | 24 | <1 | 4 | 18 | 6 |
| 04JST497 | 10 | 0.151 | 5 | <1 | 1 | 2 | 35 | 0.07 | 22 | <1 | 4 | 13 | 9 |
| 04JST498 | 8 | 0.147 | 6 | <1 | 1 | 2 | 30 | 0.07 | 20 | <1 | 4 | 14 | 8 |
| 04JST499 | 9 | 0.128 | 5 | <1 | 1 | 2 | 33 | 0.07 | 21 | <1 | 4 | 12 | 6 |
| 04JST500 | 9 | 0.121 | 5 | <1 | 1 | 1 | 32 | 0.06 | 18 | <1 | 4 | 12 | 10 |
| 04JST501 | 12 | 0.147 | 8 | <1 | 1 | 2 | 36 | 0.06 | 22 | <1 | 5 | 14 | 9 |
| 04JST502 | 8 | 0.128 | 5 | <1 | 1 | 2 | 37 | 0.06 | 21 | <1 | 4 | 12 | 8 |
| 04JST503 | 9 | 0.122 | 5 | <1 | 1 | 2 | 34 | 0.05 | 21 | <1 | 3 | 12 | 9 |
| 04JST504 | 9 | 0.116 | 5 | <1 | 1 | 2 | 33 | 0.06 | 26 | <1 | 4 | 13 | 9 |
| 04JST505 | 9 | 0.121 | 5 | <1 | <1 | 1 | 32 | 0.06 | 22 | <1 | 3 | 11 | 9 |
| 04JST506 | 9 | 0.114 | 4 | <1 | <1 | 2 | 31 | 0.05 | 20 | <1 | 3 | 11 | 9 |
| 04JST507 | 12 | 0.131 | 5 | <1 | 1 | 2 | 31 | 0.06 | 20 | <1 | 4 | 11 | 9 |
| 04JST502 R | 9 | 0.131 | 5 | <1 | 1 | 2 | 33 | 0.06 | 21 | <1 | 4 | 12 | 8 |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project:
Samples: 94

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Report No: 05-117
Date: March 15, 2005

## Multi-Element ICP Analysis

Aqua Regia Digestion

| Sample Number | Ni ppm | P2O5 wt % | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | TiO2 wt % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 52 | 0.536 | 19 | 1 | 7 | 1 | 26 | 0.15 | 107 | <1 | 19 | 224 | 1 |
| 04JST508 | 8 | 0.115 | 4 | <1 | 1 | 2 | 30 | 0.05 | 21 | <1 | 3 | 11 | 9 |
| 04JST509 | 7 | 0.146 | 5 | <1 | 1 | 2 | 29 | 0.08 | 20 | <1 | 4 | 13 | 8 |
| 04JST510 | 8 | 0.141 | 6 | <1 | 1 | 2 | 29 | 0.07 | 25 | 1 | 4 | 14 | 7 |
| 04JST511 | 8 | 0.136 | 5 | <1 | 1 | 2 | 30 | 0.07 | 18 | <1 | 4 | 15 | 8 |
| 04JST512 | 7 | 0.131 | 4 | <1 | 1 | 2 | 28 | 0.07 | 19 | <1 | 4 | 11 | 7 |
| 04JST513 | 7 | 0.127 | 5 | <1 | 1 | 2 | 27 | 0.06 | 19 | <1 | 4 | 11 | 6 |
| 04JST514 | 5 | 0.144 | 4 | <1 | <1 | 1 | 28 | 0.06 | 16 | <1 | 4 | 11 | 5 |
| 04JST515 | 7 | 0.115 | 5 | <1 | <1 | 2 | 26 | 0.05 | 16 | <1 | 4 | 11 | 6 |
| 04JST516 | 8 | 0.147 | 6 | <1 | <1 | 2 | 31 | 0.06 | 18 | <1 | 5 | 11 | 7 |
| 04JST517 | 8 | 0.125 | 20 | 67 | 1 | 2 | 29 | 0.06 | 17 | <1 | 4 | 11 | 9 |
| 04JST518 | 6 | 0.142 | 5 | <1 | <1 | 2 | 26 | 0.06 | 13 | <1 | 4 | 10 | 6 |
| 04JST519 | 7 | 0.132 | 5 | <1 | 1 | 2 | 27 | 0.06 | 17 | <1 | 4 | 12 | 5 |
| 04JST520 | 7 | 0.145 | 5 | <1 | 1 | 2 | 30 | 0.07 | 19 | <1 | 4 | 14 | 7 |
| 04JST521 | 8 | 0.151 | 20 | 105 | 1 | 2 | 31 | 0.07 | 21 | <1 | 4 | 14 | 4 |
| 04JST522 | 9 | 0.175 | 6 | <1 | 1 | 3 | 35 | 0.08 | 24 | <1 | 5 | 14 | 5 |
| 04JST523 | 9 | 0.161 | 6 | <1 | 1 | 2 | 32 | 0.08 | 24 | <1 | 5 | 13 | 6 |
| 04JST524 | 8 | 0.154 | 6 | <1 | 1 | 3 | 32 | 0.09 | 25 | <1 | 5 | 15 | 7 |
| 04JST525 | 7 | 0.192 | 5 | <1 | 1 | 3 | 31 | 0.08 | 21 | <1 | 5 | 15 | 5 |
| 04JST526 | 7 | 0.147 | 6 | <1 | 1 | 2 | 32 | 0.07 | 21 | <1 | 4 | 12 | 6 |
| LS3 | 51 | 0.541 | 19 | 1 | 7 | 1 | 26 | 0.16 | 109 | <1 | 19 | 222 | 2 |
| 04JST527 | 7 | 0.133 | 5 | <1 | 1 | 2 | 30 | 0.07 | 20 | <1 | 4 | 13 | 7 |
| 04JST528 | 11 | 0.196 | 7 | <1 | 1 | 3 | 31 | 0.11 | 27 | <1 | 6 | 18 | 4 |
| 04JST529 | 10 | 0.159 | 7 | <1 | 1 | 2 | 35 | 0.07 | 23 | <1 | 5 | 13 | 5 |
| 04JST530 | 8 | 0.138 | 6 | <1 | 1 | 2 | 32 | 0.07 | 23 | <1 | 4 | 19 | 6 |
| 04JST531 | 7 | 0.135 | 5 | <1 | 1 | 3 | 32 | 0.07 | 24 | <1 | 4 | 12 | 8 |
| 04JST532 | 7 | 0.115 | 5 | <1 | 1 | 2 | 30 | 0.06 | 24 | <1 | 4 | 12 | 7 |
| 04JST533 | 8 | 0.109 | 6 | <1 | 1 | 2 | 35 | 0.06 | 23 | <1 | 4 | 12 | 9 |
| 04JST534 | 8 | 0.123 | 7 | <1 | 1 | 2 | 32 | 0.06 | 22 | <1 | 4 | 10 | 7 |
| 04JST535 | 8 | 0.105 | 4 | <1 | 1 | 2 | 29 | 0.06 | 18 | <1 | 3 | 11 | 8 |
| 04JST538 | 7 | 0.107 | 5 | <1 | 1 | 2 | 35 | 0.05 | 21 | <1 | 3 | 10 | 10 |
| 04JST539 | 8 | 0.118 | 5 | <1 | 1 | 2 | 34 | 0.06 | 19 | <1 | 3 | 10 | 8 |
| 04JST540 | 6 | 0.115 | 5 | <1 | <1 | 3 | 28 | 0.04 | 20 | <1 | 3 | 10 | 7 |
| 04JST541 | 9 | 0.126 | 5 | <1 | 1 | 1 | 45 | 0.06 | 21 | <1 | 4 | 12 | 7 |
| 04JST542 | 7 | 0.121 | 5 | <1 | 1 | 2 | 33 | 0.06 | 21 | <1 | 4 | 11 | 8 |
| 04JST543 | 8 | 0.126 | 6 | <1 | 1 | 3 | 31 | 0.05 | 18 | <1 | 4 | 11 | 5 |
| 04JST544 | 6 | 0.131 | 4 | <1 | 1 | 2 | 31 | 0.06 | 18 | <1 | 3 | 10 | 5 |
| 04JST545 | 8 | 0.098 | 6 | <1 | <1 | 2 | 30 | 0.04 | 19 | <1 | 3 | 10 | 8 |
| 04JST546 | 6 | 0.081 | 4 | <1 | <1 | 3 | 30 | 0.04 | 18 | <1 | 3 | 8 | 6 |
| 04JST546 R | 7 | 0.081 | 4 | <1 | <1 | 3 | 31 | 0.04 | 18 | <1 | 3 | 8 | 8 |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project:
Samples: 94

Report No: 05-117
Date: March 15, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ni ppm | P2O5 wt % | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | TiO2 wt % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 50 | 0.532 | 18 | 1 | 7 | 1 | 24 | 0.13 | 106 | <1 | 16 | 222 | 2 |
| 04JST547 | 4 | 0.067 | 3 | <1 | <1 | 1 | 21 | 0.03 | 15 | <1 | 2 | 7 | 5 |
| 04JST548 | 4 | 0.054 | 3 | <1 | <1 | <1 | 24 | 0.02 | 16 | <1 | 2 | 6 | 5 |
| 04JST549 | 4 | 0.068 | 3 | <1 | <1 | 1 | 23 | 0.03 | 18 | <1 | 2 | 8 | 5 |
| 04JST550 | 4 | 0.064 | 3 | <1 | <1 | 1 | 23 | 0.03 | 15 | 1 | 2 | 7 | 5 |
| 04JST551 | 9 | 0.096 | 4 | <1 | 1 | 2 | 27 | 0.06 | 27 | <1 | 3 | 14 | 5 |
| 04JST552 | 4 | 0.077 | 3 | <1 | <1 | 1 | 26 | 0.03 | 13 | <1 | 3 | 7 | 7 |
| 04JST553 | 6 | 0.066 | 3 | <1 | <1 | 1 | 24 | 0.03 | 14 | 1 | 2 | 6 | 6 |
| 04JST554 | 4 | 0.066 | 3 | <1 | <1 | 1 | 20 | 0.03 | 15 | <1 | 2 | 9 | 6 |
| 04JST555 | 4 | 0.063 | 2 | <1 | <1 | <1 | 20 | 0.03 | 12 | <1 | 2 | 8 | 5 |
| 04JST556 | 3 | 0.053 | 2 | <1 | <1 | 1 | 19 | 0.02 | 14 | <1 | 2 | 7 | 3 |
| 04JST557 | 5 | 0.059 | 2 | <1 | <1 | 1 | 19 | 0.02 | 9 | <1 | 2 | 6 | 5 |
| 04JST558 | 5 | 0.056 | 3 | <1 | <1 | 1 | 24 | 0.02 | 18 | <1 | 2 | 7 | 6 |
| 04JST558 R | 7 | 0.058 | 3 | <1 | <1 | 1 | 25 | 0.02 | 18 | <1 | 2 | 7 | 6 |

Aqua Regia: A 0.5 g pulp is digested with 2.00 ml of 3:1 HCL:HNO3 for 1 hour at 95 C.

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: 99653F
Samples: 68

**SRC Geoanalytical Laboratories**
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Report No: 05-118
Date: March 18, 2005

**Multi-Element ICP Analysis**
Aqua Regia Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Arsenic in ppm (As)
Barium in ppm (Ba)
Berylium in ppm (Be)

Bismuth in ppm (Bi)
Calcium in wt % (CaO)
Cadmium in ppm (Cd)
Cobalt in ppm (Co)
Chromium in ppm (Cr)

Copper in ppm (Cu)
Iron in wt % (Fe2O3)
Potassium in wt % (K2O)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)

Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Scandium in ppm (Sc)
Tin in ppm (Sn)
Strontium in ppm (Sr)
Titanium in wt % (TiO2)

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Zinc in ppm (Zn)
Zirconium in ppm (Zr)

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: 99653F
Samples: 68

**SRC Geoanalytical Laboratories**
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Report No: 05-118
Date: March 18, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ag ppm | Al2O3 wt % | As ppm | Ba ppm | Be ppm | Bi ppm | CaO wt % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe2O3 wt % | K2O wt % | MgO wt % | MnO wt % | Mo ppm | Na2O wt % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 0.2 | 6.48 | 11 | 306 | 2.2 | <1 | 0.51 | 1 | 38 | 74 | 51 | 11.4 | 0.52 | 1.17 | 0.656 | 18 | 0.02 |
| [redacted] | | | | | | | | | | | | | | | | | |
| 04JST672 | <0.2 | 0.47 | 2 | 66 | <0.5 | <1 | 0.28 | <1 | 3 | 91 | 4 | 1.65 | 0.08 | 0.26 | 0.017 | <1 | 0.04 |
| [redacted] | | | | | | | | | | | | | | | | | |
| LS3 | 0.3 | 6.40 | 11 | 304 | 2.3 | <1 | 0.51 | 1 | 38 | 77 | 51 | 11.6 | 0.51 | 1.17 | 0.666 | 18 | 0.02 |
| [redacted] | | | | | | | | | | | | | | | | | |
| 04SHT574 | <0.2 | 0.45 | 1 | 56 | <0.5 | <1 | 0.31 | <1 | 2 | 100 | 3 | 1.76 | 0.09 | 0.24 | 0.012 | <1 | 0.04 |
| 04SHT576 | <0.2 | 0.51 | 3 | 57 | <0.5 | <1 | 0.33 | <1 | 2 | 87 | 3 | 1.44 | 0.09 | 0.28 | 0.016 | <1 | 0.04 |
| 04SHT583 | <0.2 | 0.52 | 1 | 36 | <0.5 | <1 | 0.31 | <1 | 2 | 109 | 2 | 1.72 | 0.09 | 0.27 | 0.011 | 1 | 0.04 |
| 04SHT606 | <0.2 | 0.54 | 2 | 53 | <0.5 | <1 | 0.37 | <1 | 2 | 115 | 3 | 1.66 | 0.11 | 0.29 | 0.011 | <1 | 0.04 |
| 04SHT607 | <0.2 | 0.57 | 2 | 47 | <0.5 | <1 | 0.28 | <1 | 2 | 100 | 3 | 2.02 | 0.09 | 0.33 | 0.012 | 1 | 0.04 |
| 04SHT611 | <0.2 | 0.52 | 2 | 40 | <0.5 | <1 | 0.32 | <1 | 1 | 82 | 3 | 1.55 | 0.09 | 0.27 | 0.009 | <1 | 0.04 |
| 04SHT615 | <0.2 | 0.48 | 2 | 40 | <0.5 | <1 | 0.25 | <1 | 1 | 95 | 2 | 1.21 | 0.09 | 0.24 | 0.008 | 1 | 0.04 |
| [redacted] | | | | | | | | | | | | | | | | | |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: 99653F
Samples: 68

**SRC Geoanalytical Laboratories**
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Report No: 05-118
Date: March 18, 2005

**Multi-Element ICP Analysis**
Aqua Regia Digestion

| Sample Number | Ag ppm | Al2O3 wt % | As ppm | Ba ppm | Be ppm | Bi ppm | CaO wt % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe2O3 wt % | K2O wt % | MgO wt % | MnO wt % | Mo ppm | Na2O wt % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 0.2 | 6.27 | 10 | 316 | 2.2 | <1 | 0.52 | 1 | 39 | 77 | 54 | 11.4 | 0.53 | 1.15 | 0.636 | 17 | 0.02 |
| [redacted] | | | | | | | | | | | | | | | | | |
| LS3 | 0.3 | 6.15 | 11 | 307 | 2.1 | <1 | 0.51 | 1 | 39 | 76 | 53 | 11.6 | 0.52 | 1.16 | 0.625 | 17 | 0.02 |
| [redacted] | | | | | | | | | | | | | | | | | |

**Shear Minerals Ltd.**
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PO #/Project: 99653F
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Report No: 05-118
Date: March 18, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ni ppm | P2O5 wt % | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | TiO2 wt % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 50 | 0.548 | 18 | 1 | 6 | <1 | 24 | 0.13 | 105 | <1 | 17 | 219 | 1 |
| [redacted] | | | | | | | | | | | | | |
| 04JST672 | 7 | 0.115 | 4 | <1 | <1 | 1 | 27 | 0.05 | 19 | <1 | 3 | 11 | 8 |
| [redacted] | | | | | | | | | | | | | |
| LS3 | 50 | 0.561 | 18 | 1 | 6 | 1 | 24 | 0.13 | 109 | <1 | 17 | 224 | 1 |
| [redacted] | | | | | | | | | | | | | |
| 04SHT574 | 6 | 0.119 | 4 | <1 | <1 | 1 | 24 | 0.05 | 20 | <1 | 4 | 10 | 8 |
| 04SHT576 | 6 | 0.137 | 5 | <1 | <1 | 2 | 27 | 0.06 | 17 | <1 | 4 | 11 | 8 |
| 04SHT583 | 6 | 0.127 | 4 | <1 | <1 | 2 | 22 | 0.06 | 20 | <1 | 3 | 11 | 4 |
| 04SHT606 | 8 | 0.161 | 4 | <1 | <1 | 2 | 27 | 0.06 | 18 | 1 | 4 | 12 | 8 |
| 04SHT607 | 7 | 0.099 | 5 | <1 | 1 | 2 | 26 | 0.06 | 23 | 1 | 3 | 15 | 5 |
| 04SHT611 | 6 | 0.144 | 4 | <1 | <1 | 2 | 25 | 0.06 | 18 | <1 | 4 | 12 | 7 |
| 04SHT615 | 5 | 0.106 | 3 | <1 | <1 | 2 | 24 | 0.05 | 13 | <1 | 3 | 10 | 7 |
| [redacted] | | | | | | | | | | | | | |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: 99653F
Samples: 68

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Report No: 05-118
Date: March 18, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ni ppm | P2O5 wt % | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | TiO2 wt % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 50 | 0.541 | 18 | 1 | 7 | 1 | 25 | 0.14 | 107 | <1 | 17 | 223 | 1 |
| [redacted] | | | | | | | | | | | | | |
| LS3 | 49 | 0.534 | 18 | 1 | 7 | 1 | 24 | 0.14 | 106 | <1 | 16 | 220 | 1 |
| [redacted] | | | | | | | | | | | | | |

Aqua Regia: A 0.5 g pulp is digested with 2.00 ml of 3:1 HCL:HNO3 for 1 hour at 95 C.

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: 99653F
Samples: 86

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Report No: 05-119
Date: March 21, 2005

**Multi-Element ICP Analysis**
Aqua Regia Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Arsenic in ppm (As)
Barium in ppm (Ba)
Berylium in ppm (Be)

Bismuth in ppm (Bi)
Calcium in wt % (CaO)
Cadmium in ppm (Cd)
Cobalt in ppm (Co)
Chromium in ppm (Cr)

Copper in ppm (Cu)
Iron in wt % (Fe2O3)
Potassium in wt % (K2O)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)

Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Scandium in ppm (Sc)
Tin in ppm (Sn)
Strontium in ppm (Sr)
Titanium in wt % (TiO2)

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Zinc in ppm (Zn)
Zirconium in ppm (Zr)

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: 99653F
Samples: 86

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Report No: 05-119
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ag ppm | Al2O3 wt % | As ppm | Ba ppm | Be ppm | Bi ppm | CaO wt % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe2O3 wt % | K2O wt % | MgO wt % | MnO wt % | Mo ppm | Na2O wt % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 0.2 | 6.49 | 11 | 309 | 2.3 | <1 | 0.51 | 1 | 38 | 76 | 51 | 11.8 | 0.51 | 1.18 | 0.674 | 18 | 0.01 |
| [redacted] | | | | | | | | | | | | | | | | | |
| 04SHT380 | <0.2 | 0.29 | 1 | 52 | <0.5 | <1 | 0.11 | <1 | 2 | 148 | 1 | 1.62 | 0.06 | 0.11 | 0.016 | 1 | 0.02 |
| 04SHT381 | <0.2 | 0.37 | 1 | 61 | <0.5 | <1 | 0.13 | <1 | 2 | 204 | 3 | 1.83 | 0.07 | 0.16 | 0.014 | <1 | 0.02 |
| 04SHT382 | <0.2 | 0.45 | 2 | 95 | <0.5 | <1 | 0.13 | <1 | 1 | 113 | 1 | 1.44 | 0.12 | 0.12 | 0.009 | <1 | 0.03 |
| 04SHT383 | <0.2 | 0.38 | 1 | 267 | <0.5 | <1 | 0.11 | <1 | 1 | 93 | 2 | 1.56 | 0.11 | 0.11 | 0.007 | 1 | 0.01 |
| 04SHT384 | <0.2 | 0.41 | 1 | 74 | <0.5 | <1 | 0.16 | <1 | 1 | 122 | 2 | 1.11 | 0.09 | 0.18 | 0.006 | <1 | 0.03 |
| 04SHT385 | <0.2 | 0.34 | 1 | 40 | <0.5 | <1 | 0.13 | <1 | 1 | 107 | 2 | 1.01 | 0.06 | 0.15 | 0.005 | <1 | 0.02 |
| 04SHT386 | <0.2 | 0.43 | 1 | 78 | <0.5 | 5 | 0.15 | <1 | 1 | 171 | 2 | 1.84 | 0.09 | 0.17 | 0.008 | 1 | 0.03 |
| 04SHT387 | <0.2 | 0.29 | 1 | 64 | <0.5 | <1 | 0.11 | <1 | <1 | 110 | 1 | 0.67 | 0.05 | 0.11 | 0.003 | <1 | 0.02 |
| 04SHT388 | <0.2 | 0.41 | 1 | 44 | <0.5 | <1 | 0.13 | <1 | 2 | 152 | 2 | 2.11 | 0.07 | 0.18 | 0.011 | <1 | 0.02 |
| 04SHT389 | <0.2 | 0.29 | 1 | 34 | <0.5 | <1 | 0.11 | <1 | 1 | 110 | 1 | 1.07 | 0.05 | 0.11 | 0.005 | 1 | 0.02 |
| LS3 | 0.2 | 6.37 | 11 | 310 | 2.3 | <1 | 0.51 | 1 | 38 | 77 | 51 | 12.1 | 0.51 | 1.19 | 0.684 | 18 | 0.01 |
| 04SHT390 | <0.2 | 0.32 | 1 | 38 | <0.5 | <1 | 0.11 | <1 | 1 | 131 | 1 | 1.24 | 0.06 | 0.11 | 0.006 | 1 | 0.02 |
| 04SHT391 | <0.2 | 0.35 | 2 | 165 | <0.5 | <1 | 0.35 | <1 | 2 | 187 | 3 | 2.01 | 0.07 | 0.15 | 0.016 | 1 | 0.02 |
| 04SHT392 | <0.2 | 0.39 | 1 | 85 | <0.5 | <1 | 0.15 | <1 | 2 | 109 | 2 | 1.45 | 0.08 | 0.17 | 0.011 | <1 | 0.02 |
| 04SHT393 | <0.2 | 0.28 | 1 | 62 | <0.5 | <1 | 0.11 | <1 | 2 | 93 | 1 | 1.71 | 0.06 | 0.09 | 0.013 | <1 | 0.02 |
| 04SHT394 | 0.2 | 0.39 | 1 | 157 | <0.5 | <1 | 0.11 | <1 | 1 | 153 | 2 | 2.74 | 0.11 | 0.11 | 0.011 | 1 | 0.04 |
| 04SHT395 | <0.2 | 0.41 | 1 | 44 | <0.5 | <1 | 0.16 | <1 | 2 | 144 | 1 | 1.56 | 0.09 | 0.14 | 0.011 | 1 | 0.03 |
| 04SHT396 | <0.2 | 0.35 | 1 | 121 | <0.5 | <1 | 0.16 | <1 | 2 | 76 | 1 | 2.04 | 0.06 | 0.13 | 0.018 | <1 | 0.02 |
| 04SHT397 | 0.2 | 0.34 | 1 | 190 | <0.5 | <1 | 0.13 | <1 | 2 | 123 | 2 | 3.25 | 0.07 | 0.12 | 0.015 | 1 | 0.03 |
| 04SHT398 | <0.2 | 0.33 | 1 | 157 | <0.5 | <1 | 0.13 | <1 | 2 | 125 | 2 | 2.33 | 0.07 | 0.12 | 0.015 | <1 | 0.02 |
| 04SHT399 | <0.2 | 0.28 | 1 | 174 | <0.5 | <1 | 0.11 | <1 | 2 | 96 | 1 | 1.84 | 0.06 | 0.11 | 0.012 | 1 | 0.02 |
| 04SHT400 | <0.2 | 0.36 | 1 | 57 | <0.5 | <1 | 0.13 | <1 | 1 | 120 | 1 | 1.45 | 0.08 | 0.11 | 0.008 | 1 | 0.03 |
| 04SHT401 | <0.2 | 0.47 | 1 | 185 | <0.5 | <1 | 0.18 | <1 | 2 | 213 | 3 | 1.51 | 0.12 | 0.12 | 0.014 | <1 | 0.04 |
| 04SHT402 | <0.2 | 0.38 | 1 | 355 | <0.5 | <1 | 0.17 | <1 | 2 | 79 | 2 | 1.79 | 0.11 | 0.12 | 0.015 | <1 | 0.02 |
| 04SHT403 | 0.8 | 0.66 | 2 | 50 | 0.5 | <1 | 0.17 | <1 | 5 | 111 | 3 | 8.45 | 0.11 | 0.26 | 0.031 | 1 | 0.03 |
| 04SHT404 | <0.2 | 0.34 | 1 | 61 | <0.5 | <1 | 0.13 | <1 | 1 | 102 | 1 | 1.28 | 0.07 | 0.11 | 0.008 | <1 | 0.02 |
| 04SHT405 | <0.2 | 0.61 | 2 | 58 | <0.5 | <1 | 0.16 | <1 | 2 | 150 | 2 | 2.29 | 0.11 | 0.28 | 0.012 | 1 | 0.02 |
| 04SHT432 | <0.2 | 0.27 | 1 | 135 | <0.5 | <1 | 0.14 | <1 | 1 | 126 | 2 | 2.17 | 0.06 | 0.11 | 0.014 | <1 | 0.02 |
| 04SHT433 | <0.2 | 0.31 | 1 | 53 | <0.5 | <1 | 0.11 | <1 | 1 | 115 | 1 | 1.55 | 0.06 | 0.11 | 0.009 | 1 | 0.02 |
| 04SHT388 R | <0.2 | 0.38 | 1 | 42 | <0.5 | <1 | 0.14 | <1 | 2 | 143 | 2 | 2.21 | 0.06 | 0.18 | 0.011 | 1 | 0.02 |

**Shear Minerals Ltd.**
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Report No: 05-119
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ag ppm | Al2O3 wt % | As ppm | Ba ppm | Be ppm | Bi ppm | CaO wt % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe2O3 wt % | K2O wt % | MgO wt % | MnO wt % | Mo ppm | Na2O wt % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 0.2 | 6.40 | 11 | 309 | 2.4 | <1 | 0.51 | 1 | 39 | 74 | 52 | 11.6 | 0.51 | 1.17 | 0.661 | 17 | 0.02 |
| 04SHT434 | <0.2 | 0.24 | <1 | 41 | <0.5 | <1 | 0.11 | <1 | 1 | 92 | 1 | 1.61 | 0.05 | 0.09 | 0.007 | <1 | 0.02 |
| 04SHT436 | <0.2 | 0.28 | 1 | 188 | <0.5 | <1 | 0.21 | <1 | 2 | 92 | 2 | 1.69 | 0.06 | 0.12 | 0.014 | 1 | 0.02 |
| 04SHT437 | <0.2 | 0.31 | <1 | 159 | <0.5 | <1 | 0.18 | <1 | 2 | 86 | 2 | 1.61 | 0.06 | 0.12 | 0.016 | <1 | 0.02 |
| 04SHT438 | <0.2 | 0.31 | <1 | 97 | <0.5 | <1 | 0.14 | <1 | 2 | 92 | 2 | 1.49 | 0.06 | 0.12 | 0.017 | <1 | 0.02 |
| 04SHT439 | <0.2 | 0.31 | 1 | 146 | <0.5 | <1 | 0.27 | <1 | 2 | 80 | 2 | 1.87 | 0.05 | 0.14 | 0.016 | <1 | 0.01 |
| 04SHT440 | <0.2 | 0.31 | 1 | 51 | <0.5 | <1 | 0.16 | <1 | 1 | 88 | 2 | 1.09 | 0.06 | 0.11 | 0.006 | <1 | 0.02 |
| 04SHT441 | <0.2 | 0.36 | 1 | 107 | <0.5 | <1 | 0.16 | <1 | 2 | 92 | 2 | 1.41 | 0.07 | 0.14 | 0.016 | <1 | 0.03 |
| 04SHT442 | <0.2 | 0.33 | 1 | 98 | <0.5 | <1 | 0.16 | <1 | 2 | 98 | 2 | 1.15 | 0.07 | 0.12 | 0.016 | <1 | 0.03 |
| 04SHT443 | <0.2 | 0.32 | 1 | 49 | <0.5 | <1 | 0.14 | <1 | 2 | 86 | 2 | 1.31 | 0.06 | 0.11 | 0.013 | <1 | 0.02 |
| 04SHT471 | <0.2 | 0.33 | 1 | 65 | <0.5 | <1 | 0.16 | <1 | 1 | 132 | 2 | 1.86 | 0.07 | 0.12 | 0.008 | 1 | 0.03 |
| 04SHT472 | <0.2 | 0.31 | <1 | 51 | <0.5 | <1 | 0.16 | <1 | 1 | 101 | 2 | 1.81 | 0.05 | 0.13 | 0.009 | <1 | 0.03 |
| 04SHT473 | <0.2 | 0.43 | 1 | 53 | <0.5 | <1 | 0.19 | <1 | 2 | 230 | 3 | 2.76 | 0.09 | 0.16 | 0.013 | 1 | 0.04 |
| 04SHT474 | <0.2 | 0.37 | 1 | 46 | <0.5 | <1 | 0.21 | <1 | 1 | 103 | 2 | 1.78 | 0.06 | 0.16 | 0.009 | <1 | 0.03 |
| 04SHT475 | <0.2 | 0.41 | 1 | 46 | <0.5 | <1 | 0.21 | <1 | 1 | 97 | 2 | 1.54 | 0.06 | 0.17 | 0.009 | <1 | 0.03 |
| 04SHT477 | <0.2 | 0.33 | <1 | 104 | <0.5 | <1 | 0.15 | <1 | 3 | 127 | 3 | 1.88 | 0.07 | 0.12 | 0.021 | <1 | 0.03 |
| 04SHT478 | <0.2 | 0.27 | 1 | 86 | <0.5 | <1 | 0.21 | <1 | 2 | 93 | 2 | 1.86 | 0.05 | 0.13 | 0.015 | <1 | 0.02 |
| 04SHT479 | <0.2 | 0.36 | 1 | 108 | <0.5 | <1 | 0.17 | <1 | 2 | 107 | 2 | 1.19 | 0.07 | 0.13 | 0.013 | <1 | 0.03 |
| 04SHT480 | <0.2 | 0.27 | 1 | 53 | <0.5 | <1 | 0.14 | <1 | 2 | 84 | 2 | 1.54 | 0.05 | 0.12 | 0.012 | <1 | 0.02 |
| 04SHT482 | 0.3 | 0.48 | 1 | 86 | <0.5 | <1 | 0.26 | <1 | 2 | 203 | 3 | 3.07 | 0.09 | 0.21 | 0.014 | 1 | 0.04 |
| LS3 | 0.2 | 6.45 | 11 | 310 | 2.3 | <1 | 0.51 | 1 | 39 | 74 | 51 | 11.7 | 0.51 | 1.17 | 0.669 | 17 | 0.01 |
| 04SHT509 | <0.2 | 0.29 | <1 | 45 | <0.5 | <1 | 0.12 | <1 | 1 | 142 | 2 | 1.46 | 0.06 | 0.11 | 0.011 | 1 | 0.02 |
| 04SHT510 | <0.2 | 0.26 | 1 | 52 | <0.5 | <1 | 0.12 | <1 | 1 | 125 | 2 | 1.32 | 0.05 | 0.11 | 0.009 | <1 | 0.02 |
| 04SHT511 | <0.2 | 0.29 | 1 | 45 | <0.5 | <1 | 0.14 | <1 | 1 | 123 | 2 | 1.81 | 0.05 | 0.13 | 0.007 | 1 | 0.02 |
| 04SHT512 | <0.2 | 0.21 | <1 | 78 | <0.5 | <1 | 0.13 | <1 | 2 | 70 | 1 | 1.76 | 0.03 | 0.11 | 0.011 | <1 | <0.01 |
| 04SHT513 | <0.2 | 0.29 | 1 | 74 | <0.5 | <1 | 0.14 | <1 | 2 | 104 | 2 | 1.74 | 0.05 | 0.12 | 0.014 | <1 | 0.02 |
| 04SHT515 | <0.2 | 0.37 | 1 | 63 | <0.5 | <1 | 0.16 | <1 | 1 | 120 | 2 | 0.84 | 0.06 | 0.24 | 0.005 | 1 | 0.02 |
| 04SHT516 | <0.2 | 0.31 | 1 | 48 | <0.5 | <1 | 0.13 | <1 | 1 | 133 | 2 | 1.78 | 0.06 | 0.12 | 0.009 | 1 | 0.02 |
| 04SHT517 | <0.2 | 0.36 | 1 | 59 | <0.5 | <1 | 0.16 | <1 | 1 | 108 | 2 | 2.28 | 0.06 | 0.16 | 0.008 | 1 | 0.02 |
| 04SHT518 | <0.2 | 0.34 | 1 | 138 | <0.5 | <1 | 0.19 | <1 | 2 | 90 | 2 | 1.76 | 0.06 | 0.17 | 0.012 | <1 | 0.02 |
| 04SHT519 | <0.2 | 0.28 | 1 | 77 | <0.5 | <1 | 0.12 | <1 | 2 | 102 | 1 | 1.64 | 0.05 | 0.11 | 0.013 | <1 | 0.02 |
| 04SHT521 | <0.2 | 0.33 | 1 | 31 | <0.5 | <1 | 0.16 | <1 | 1 | 114 | 2 | 1.76 | 0.05 | 0.15 | 0.007 | <1 | 0.02 |
| 04SHT545 | <0.2 | 0.39 | 1 | 59 | <0.5 | <1 | 0.21 | <1 | 2 | 111 | 2 | 2.11 | 0.06 | 0.18 | 0.014 | 1 | 0.03 |
| 04SHT547 | <0.2 | 0.31 | 1 | 57 | <0.5 | <1 | 0.16 | <1 | 1 | 123 | 2 | 1.53 | 0.06 | 0.13 | 0.007 | 1 | 0.02 |
| 04SHT548 | <0.2 | 0.33 | 1 | 62 | <0.5 | <1 | 0.15 | <1 | 2 | 209 | 3 | 1.81 | 0.06 | 0.13 | 0.012 | <1 | 0.02 |
| 04SHT549 | <0.2 | 0.37 | 1 | 77 | <0.5 | <1 | 0.21 | <1 | 1 | 73 | 2 | 0.85 | 0.07 | 0.16 | 0.006 | <1 | 0.03 |
| 04SHT550 | <0.2 | 0.31 | 1 | 50 | <0.5 | <1 | 0.14 | <1 | 1 | 90 | 1 | 1.49 | 0.05 | 0.13 | 0.009 | <1 | 0.02 |
| 04SHT551 | <0.2 | 0.36 | 1 | 29 | <0.5 | <1 | 0.17 | <1 | 1 | 87 | 2 | 1.07 | 0.05 | 0.18 | 0.006 | <1 | 0.02 |
| 04SHT552 | <0.2 | 0.38 | 1 | 42 | <0.5 | <1 | 0.18 | <1 | 1 | 88 | 2 | 0.92 | 0.06 | 0.16 | 0.006 | <1 | 0.02 |
| 04SHT480 R | <0.2 | 0.28 | 1 | 53 | <0.5 | <1 | 0.14 | <1 | 2 | 88 | 1 | 1.61 | 0.05 | 0.12 | 0.013 | <1 | 0.02 |

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Report No: 05-119
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ag ppm | Al2O3 wt % | As ppm | Ba ppm | Be ppm | Bi ppm | CaO wt % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe2O3 wt % | K2O wt % | MgO wt % | MnO wt % | Mo ppm | Na2O wt % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 0.2 | 6.35 | 11 | 318 | 2.2 | <1 | 0.52 | 1 | 40 | 78 | 54 | 11.9 | 0.52 | 1.17 | 0.640 | 18 | 0.02 |
| 04SHT553 | <0.2 | 0.41 | 1 | 46 | <0.5 | <1 | 0.21 | <1 | 1 | 93 | 2 | 1.45 | 0.07 | 0.18 | 0.009 | <1 | 0.03 |
| 04SHT554 | <0.2 | 0.41 | 1 | 55 | <0.5 | <1 | 0.21 | <1 | 1 | 103 | 2 | 1.79 | 0.07 | 0.18 | 0.009 | 1 | 0.03 |
| 04SHT555 | <0.2 | 0.38 | 1 | 41 | <0.5 | <1 | 0.23 | <1 | 1 | 75 | 2 | 1.22 | 0.07 | 0.17 | 0.009 | <1 | 0.03 |
| 04SHT556 | <0.2 | 0.45 | 2 | 53 | <0.5 | <1 | 0.23 | <1 | 2 | 113 | 2 | 3.71 | 0.07 | 0.23 | 0.014 | 2 | 0.03 |
| 04SHT554 R | <0.2 | 0.41 | 1 | 54 | <0.5 | <1 | 0.19 | <1 | 1 | 105 | 2 | 1.71 | 0.07 | 0.18 | 0.009 | 1 | 0.03 |

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Report No: 05-119
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ni ppm | P2O5 wt % | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | TiO2 wt % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 51 | 0.556 | 18 | 1 | 6 | 1 | 24 | 0.13 | 108 | <1 | 17 | 226 | 1 |
| [redacted] | | | | | | | | | | | | | |
| 04SHT380 | 5 | 0.056 | 3 | <1 | <1 | 1 | 27 | 0.02 | 15 | <1 | 2 | 6 | 7 |
| 04SHT381 | 7 | 0.061 | 4 | <1 | <1 | 1 | 31 | 0.02 | 17 | <1 | 2 | 8 | 9 |
| 04SHT382 | 4 | 0.068 | 3 | <1 | <1 | 1 | 24 | 0.01 | 12 | <1 | 2 | 7 | 6 |
| 04SHT383 | 4 | 0.061 | 3 | <1 | <1 | 1 | 39 | 0.01 | 16 | <1 | 2 | 6 | 7 |
| 04SHT384 | 5 | 0.079 | 3 | <1 | <1 | 2 | 28 | 0.03 | 10 | <1 | 2 | 7 | 8 |
| 04SHT385 | 5 | 0.076 | 3 | <1 | <1 | 1 | 31 | 0.02 | 10 | <1 | 2 | 6 | 7 |
| 04SHT386 | 6 | 0.068 | 4 | <1 | <1 | 1 | 32 | 0.03 | 18 | <1 | 2 | 9 | 9 |
| 04SHT387 | 4 | 0.054 | 2 | <1 | <1 | 1 | 29 | 0.01 | 6 | <1 | 1 | 4 | 4 |
| 04SHT388 | 7 | 0.061 | 4 | <1 | <1 | 2 | 32 | 0.03 | 21 | <1 | 2 | 9 | 7 |
| 04SHT389 | 4 | 0.061 | 3 | <1 | <1 | 1 | 30 | 0.01 | 10 | 1 | 1 | 5 | 6 |
| LS3 | 50 | 0.548 | 18 | 1 | 6 | <1 | 24 | 0.13 | 109 | <1 | 17 | 228 | 1 |
| 04SHT390 | 4 | 0.064 | 3 | <1 | <1 | 1 | 30 | 0.02 | 12 | <1 | 2 | 6 | 6 |
| 04SHT391 | 6 | 0.067 | 4 | <1 | <1 | <1 | 36 | 0.01 | 18 | <1 | 2 | 7 | 8 |
| 04SHT392 | 5 | 0.072 | 3 | <1 | <1 | 2 | 30 | 0.02 | 15 | <1 | 2 | 7 | 7 |
| 04SHT393 | 4 | 0.052 | 3 | <1 | <1 | 1 | 22 | 0.01 | 17 | <1 | 2 | 6 | 5 |
| 04SHT394 | 5 | 0.042 | 4 | <1 | <1 | 1 | 28 | 0.02 | 26 | <1 | 2 | 9 | 9 |
| 04SHT395 | 5 | 0.064 | 3 | <1 | <1 | 1 | 23 | 0.03 | 15 | <1 | 2 | 8 | 7 |
| 04SHT396 | 4 | 0.075 | 4 | <1 | <1 | 1 | 38 | 0.02 | 20 | <1 | 2 | 9 | 6 |
| 04SHT397 | 5 | 0.054 | 4 | <1 | <1 | 1 | 27 | 0.02 | 33 | <1 | 2 | 10 | 8 |
| 04SHT398 | 4 | 0.061 | 4 | <1 | <1 | 1 | 31 | 0.02 | 23 | <1 | 2 | 7 | 8 |
| 04SHT399 | 4 | 0.053 | 3 | <1 | <1 | 1 | 26 | 0.01 | 18 | <1 | 2 | 6 | 6 |
| 04SHT400 | 4 | 0.053 | 2 | <1 | <1 | 1 | 21 | 0.02 | 14 | <1 | 2 | 6 | 6 |
| 04SHT401 | 6 | 0.067 | 3 | <1 | <1 | 1 | 27 | 0.03 | 13 | <1 | 3 | 7 | 9 |
| 04SHT402 | 3 | 0.062 | 3 | <1 | <1 | 1 | 37 | 0.02 | 17 | <1 | 3 | 7 | 7 |
| 04SHT403 | 6 | 0.027 | 10 | 2 | <1 | 1 | 44 | 0.05 | 94 | <1 | 3 | 24 | 11 |
| 04SHT404 | 3 | 0.054 | 3 | <1 | <1 | 1 | 21 | 0.02 | 12 | <1 | 2 | 6 | 7 |
| 04SHT405 | 6 | 0.061 | 4 | <1 | <1 | 2 | 44 | 0.03 | 22 | <1 | 2 | 13 | 5 |
| 04SHT432 | 4 | 0.044 | 3 | <1 | <1 | <1 | 25 | 0.01 | 21 | <1 | 2 | 7 | 6 |
| 04SHT433 | 3 | 0.055 | 3 | <1 | <1 | <1 | 26 | 0.02 | 15 | <1 | 2 | 6 | 7 |
| 04SHT388 R | 6 | 0.066 | 4 | <1 | <1 | 1 | 34 | 0.03 | 22 | 1 | 2 | 10 | 7 |

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Report No: 05-119
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ni ppm | P2O5 wt % | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | TiO2 wt % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 49 | 0.577 | 17 | 1 | 6 | <1 | 24 | 0.17 | 108 | <1 | 19 | 217 | 1 |
| 04SHT434 | 3 | 0.057 | 2 | <1 | <1 | <1 | 24 | 0.02 | 15 | <1 | 2 | 6 | 7 |
| 04SHT436 | 4 | 0.053 | 3 | <1 | <1 | <1 | 23 | 0.02 | 17 | <1 | 2 | 7 | 7 |
| 04SHT437 | 5 | 0.058 | 3 | <1 | <1 | <1 | 22 | 0.02 | 16 | <1 | 2 | 8 | 7 |
| 04SHT438 | 4 | 0.055 | 3 | <1 | <1 | 1 | 20 | 0.02 | 15 | <1 | 2 | 7 | 6 |
| 04SHT439 | 4 | 0.058 | 3 | <1 | <1 | <1 | 22 | 0.02 | 20 | <1 | 3 | 9 | 6 |
| 04SHT440 | 3 | 0.069 | 2 | <1 | <1 | <1 | 20 | 0.03 | 11 | <1 | 2 | 6 | 7 |
| 04SHT441 | 4 | 0.064 | 3 | <1 | <1 | 1 | 21 | 0.03 | 14 | <1 | 3 | 8 | 6 |
| 04SHT442 | 4 | 0.067 | 2 | <1 | <1 | 1 | 21 | 0.02 | 11 | <1 | 2 | 6 | 6 |
| 04SHT443 | 3 | 0.062 | 3 | <1 | <1 | 1 | 20 | 0.02 | 13 | <1 | 2 | 7 | 7 |
| 04SHT471 | 5 | 0.061 | 2 | <1 | <1 | <1 | 20 | 0.03 | 19 | <1 | 2 | 10 | 6 |
| 04SHT472 | 3 | 0.062 | 3 | <1 | <1 | 1 | 20 | 0.03 | 19 | <1 | 2 | 7 | 6 |
| 04SHT473 | 6 | 0.068 | 3 | <1 | <1 | 1 | 23 | 0.04 | 28 | <1 | 3 | 10 | 8 |
| 04SHT474 | 4 | 0.069 | 2 | <1 | <1 | 1 | 21 | 0.03 | 21 | <1 | 2 | 8 | 5 |
| 04SHT475 | 4 | 0.078 | 3 | <1 | <1 | 1 | 22 | 0.04 | 16 | <1 | 3 | 13 | 5 |
| 04SHT477 | 6 | 0.061 | 3 | <1 | <1 | 1 | 25 | 0.03 | 19 | <1 | 2 | 8 | 7 |
| 04SHT478 | 5 | 0.051 | 3 | <1 | <1 | 1 | 25 | 0.02 | 19 | <1 | 2 | 7 | 7 |
| 04SHT479 | 5 | 0.069 | 4 | <1 | <1 | 2 | 25 | 0.02 | 12 | <1 | 2 | 7 | 6 |
| 04SHT480 | 4 | 0.067 | 3 | <1 | <1 | 1 | 25 | 0.02 | 16 | <1 | 2 | 6 | 7 |
| 04SHT482 | 7 | 0.096 | 5 | <1 | <1 | 1 | 37 | 0.06 | 30 | <1 | 4 | 12 | 11 |
| LS3 | 48 | 0.561 | 17 | 1 | 7 | <1 | 24 | 0.14 | 107 | <1 | 18 | 220 | 1 |
| 04SHT509 | 5 | 0.058 | 2 | <1 | <1 | 1 | 25 | 0.02 | 14 | <1 | 2 | 6 | 6 |
| 04SHT510 | 4 | 0.057 | 2 | <1 | <1 | 1 | 25 | 0.02 | 13 | <1 | 2 | 6 | 7 |
| 04SHT511 | 5 | 0.065 | 3 | <1 | <1 | 1 | 26 | 0.03 | 18 | <1 | 2 | 9 | 7 |
| 04SHT512 | 4 | 0.058 | 3 | <1 | <1 | 1 | 25 | 0.02 | 18 | <1 | 2 | 6 | 6 |
| 04SHT513 | 5 | 0.055 | 3 | <1 | <1 | 1 | 24 | 0.02 | 18 | <1 | 2 | 7 | 7 |
| 04SHT515 | 6 | 0.084 | 2 | <1 | <1 | 2 | 28 | 0.02 | 10 | <1 | 2 | 6 | 7 |
| 04SHT516 | 4 | 0.064 | 3 | <1 | <1 | 1 | 29 | 0.02 | 17 | <1 | 2 | 6 | 8 |
| 04SHT517 | 5 | 0.081 | 3 | <1 | <1 | 1 | 28 | 0.03 | 24 | <1 | 2 | 8 | 7 |
| 04SHT518 | 5 | 0.098 | 3 | <1 | <1 | 1 | 30 | 0.03 | 18 | <1 | 3 | 9 | 8 |
| 04SHT519 | 4 | 0.057 | 3 | <1 | <1 | 1 | 25 | 0.02 | 16 | <1 | 2 | 6 | 7 |
| 04SHT521 | 4 | 0.074 | 3 | <1 | <1 | 1 | 29 | 0.03 | 17 | <1 | 2 | 8 | 6 |
| 04SHT545 | 5 | 0.086 | 4 | <1 | <1 | 1 | 28 | 0.04 | 22 | <1 | 3 | 9 | 7 |
| 04SHT547 | 4 | 0.071 | 2 | <1 | <1 | 1 | 26 | 0.03 | 15 | <1 | 2 | 8 | 7 |
| 04SHT548 | 6 | 0.063 | 3 | <1 | <1 | 1 | 27 | 0.03 | 17 | <1 | 2 | 7 | 8 |
| 04SHT549 | 4 | 0.087 | 2 | <1 | <1 | 1 | 22 | 0.03 | 9 | <1 | 3 | 7 | 6 |
| 04SHT550 | 4 | 0.063 | 2 | <1 | <1 | 1 | 26 | 0.02 | 15 | <1 | 2 | 7 | 6 |
| 04SHT551 | 5 | 0.073 | 2 | <1 | <1 | 2 | 25 | 0.03 | 11 | <1 | 2 | 8 | 4 |
| 04SHT552 | 4 | 0.081 | 2 | <1 | <1 | 1 | 24 | 0.03 | 9 | <1 | 3 | 8 | 6 |
| 04SHT480 R | 5 | 0.066 | 3 | <1 | <1 | 1 | 25 | 0.02 | 17 | <1 | 2 | 6 | 7 |

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Report No: 05-119
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ni ppm | P2O5 wt % | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | TiO2 wt % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 52 | 0.537 | 19 | 1 | 7 | 1 | 25 | 0.14 | 108 | <1 | 17 | 227 | 1 |
| 04SHT553 | 4 | 0.079 | 2 | <1 | <1 | 1 | 25 | 0.04 | 15 | <1 | 2 | 9 | 4 |
| 04SHT554 | 4 | 0.075 | 3 | <1 | <1 | 1 | 26 | 0.04 | 18 | <1 | 2 | 8 | 7 |
| 04SHT555 | 4 | 0.104 | 3 | <1 | <1 | 1 | 26 | 0.04 | 13 | <1 | 3 | 8 | 6 |
| 04SHT556 | 7 | 0.082 | 6 | <1 | <1 | 2 | 33 | 0.06 | 40 | <1 | 3 | 17 | 8 |
| 04SHT554 R | 4 | 0.073 | 3 | <1 | <1 | 1 | 26 | 0.03 | 18 | <1 | 2 | 8 | 7 |

Aqua Regia: A 0.5 g pulp is digested with 2.00 ml of 3:1 HCL:HNO3 for 1 hour at 95 C.

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Report No: 05-122
Date: March 21, 2005

**Multi-Element ICP Analysis**
Aqua Regia Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Arsenic in ppm (As)
Barium in ppm (Ba)
Berylium in ppm (Be)

Bismuth in ppm (Bi)
Calcium in wt % (CaO)
Cadmium in ppm (Cd)
Cobalt in ppm (Co)
Chromium in ppm (Cr)

Copper in ppm (Cu)
Iron in wt % (Fe2O3)
Potassium in wt % (K2O)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)

Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Scandium in ppm (Sc)
Tin in ppm (Sn)
Strontium in ppm (Sr)
Titanium in wt % (TiO2)

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Zinc in ppm (Zn)
Zirconium in ppm (Zr)

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: 99653F
Samples: 76

Report No: 05-122
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ag ppm | Al2O3 wt % | As ppm | Ba ppm | Be ppm | Bi ppm | CaO wt % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe2O3 wt % | K2O wt % | MgO wt % | MnO wt % | Mo ppm | Na2O wt % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 0.2 | 6.45 | 11 | 319 | 2.4 | <1 | 0.52 | 1 | 37 | 78 | 52 | 12.1 | 0.52 | 1.21 | 0.664 | 18 | 0.02 |
| 04SHT407 | 0.2 | 0.36 | 1 | 54 | <0.5 | <1 | 0.06 | <1 | 2 | 260 | 2 | 3.03 | 0.07 | 0.04 | 0.011 | 2 | 0.02 |
| 04SHT408 | 0.2 | 0.51 | 2 | 500 | <0.5 | <1 | 0.13 | <1 | 3 | 179 | 3 | 2.93 | 0.13 | 0.11 | 0.022 | 1 | 0.04 |
| 04SHT411 | <0.2 | 0.35 | 1 | 152 | <0.5 | <1 | 0.15 | <1 | 1 | 125 | 2 | 2.19 | 0.06 | 0.11 | 0.009 | <1 | 0.02 |
| 04SHT413 | <0.2 | 0.41 | 1 | 68 | <0.5 | <1 | 0.13 | <1 | 1 | 190 | 2 | 1.17 | 0.09 | 0.11 | 0.006 | 2 | 0.04 |
| 04SHT418 | <0.2 | 0.41 | 1 | 89 | <0.5 | <1 | 0.16 | <1 | 1 | 199 | 2 | 2.17 | 0.11 | 0.12 | 0.009 | 2 | 0.03 |
| 04SHT420 | <0.2 | 0.41 | 1 | 179 | <0.5 | <1 | 0.28 | <1 | 2 | 246 | 4 | 2.58 | 0.11 | 0.15 | 0.013 | 1 | 0.04 |
| 04SHT422 | <0.2 | 0.34 | 1 | 52 | <0.5 | <1 | 0.13 | <1 | 2 | 164 | 2 | 2.47 | 0.08 | 0.11 | 0.011 | 1 | 0.03 |
| 04SHT424 | <0.2 | 0.34 | 1 | 139 | <0.5 | <1 | 0.13 | <1 | 3 | 128 | 2 | 2.23 | 0.07 | 0.11 | 0.018 | 1 | 0.03 |
| 04SHT431 | <0.2 | 0.26 | 1 | 47 | <0.5 | <1 | 0.11 | <1 | 1 | 100 | 2 | 1.65 | 0.04 | 0.09 | 0.007 | <1 | 0.02 |
| 04SHT444 | <0.2 | 0.42 | 1 | 97 | <0.5 | <1 | 0.17 | <1 | 2 | 139 | 3 | 1.55 | 0.11 | 0.13 | 0.016 | 1 | 0.05 |
| 04SHT446 | <0.2 | 0.42 | 1 | 84 | <0.5 | <1 | 0.15 | <1 | 2 | 152 | 2 | 1.69 | 0.11 | 0.12 | 0.014 | 1 | 0.05 |
| 04SHT449 | <0.2 | 0.49 | 1 | 62 | <0.5 | <1 | 0.22 | <1 | 1 | 117 | 3 | 1.41 | 0.11 | 0.15 | 0.008 | 1 | 0.05 |
| 04SHT451 | <0.2 | 0.29 | 1 | 46 | <0.5 | <1 | 0.15 | <1 | 1 | 61 | 2 | 1.53 | 0.04 | 0.12 | 0.009 | <1 | 0.02 |
| 04SHT455 | <0.2 | 0.47 | 1 | 105 | <0.5 | <1 | 0.23 | <1 | 2 | 112 | 3 | 1.45 | 0.11 | 0.14 | 0.015 | <1 | 0.05 |
| 04SHT456 | <0.2 | 0.53 | 1 | 115 | <0.5 | <1 | 0.21 | <1 | 2 | 123 | 3 | 1.53 | 0.12 | 0.17 | 0.018 | 1 | 0.05 |
| 04SHT458 | <0.2 | 0.39 | 1 | 67 | <0.5 | <1 | 0.16 | <1 | 1 | 134 | 2 | 1.66 | 0.09 | 0.11 | 0.008 | 1 | 0.04 |
| 04SHT459 | <0.2 | 0.43 | 1 | 84 | <0.5 | <1 | 0.16 | <1 | 2 | 219 | 3 | 2.37 | 0.11 | 0.12 | 0.013 | 1 | 0.05 |
| 04SHT461 | <0.2 | 0.39 | 1 | 92 | <0.5 | <1 | 0.15 | <1 | 2 | 91 | 2 | 1.47 | 0.08 | 0.12 | 0.012 | <1 | 0.04 |
| 04SHT462 | <0.2 | 0.47 | 1 | 58 | <0.5 | <1 | 0.17 | <1 | 1 | 162 | 2 | 1.42 | 0.11 | 0.12 | 0.007 | 1 | 0.05 |
| LS3 | 0.2 | 6.33 | 10 | 320 | 2.4 | <1 | 0.53 | 1 | 38 | 77 | 53 | 12.1 | 0.53 | 1.21 | 0.667 | 18 | 0.02 |
| 04SHT465 | <0.2 | 0.41 | 1 | 49 | <0.5 | <1 | 0.16 | <1 | 1 | 116 | 2 | 1.37 | 0.09 | 0.11 | 0.008 | <1 | 0.04 |
| 04SHT466 | <0.2 | 0.37 | 1 | 43 | <0.5 | <1 | 0.16 | <1 | 1 | 66 | 1 | 1.39 | 0.06 | 0.14 | 0.007 | <1 | 0.02 |
| 04SHT467 | <0.2 | 0.53 | 2 | 63 | <0.5 | <1 | 0.21 | <1 | 2 | 132 | 2 | 1.42 | 0.11 | 0.16 | 0.013 | 1 | 0.05 |
| 04SHT468 | <0.2 | 0.45 | 1 | 82 | <0.5 | <1 | 0.18 | <1 | 1 | 124 | 3 | 1.28 | 0.11 | 0.12 | 0.008 | <1 | 0.05 |
| 04SHT469 | <0.2 | 0.42 | 1 | 55 | <0.5 | <1 | 0.17 | <1 | 1 | 96 | 2 | 1.26 | 0.09 | 0.13 | 0.007 | <1 | 0.04 |
| 04SHT470 | <0.2 | 0.38 | 1 | 76 | <0.5 | <1 | 0.14 | <1 | 1 | 104 | 2 | 1.39 | 0.08 | 0.11 | 0.011 | 1 | 0.03 |
| 04SHT483 | <0.2 | 0.47 | 1 | 67 | <0.5 | <1 | 0.25 | <1 | 2 | 115 | 4 | 1.96 | 0.09 | 0.22 | 0.009 | <1 | 0.04 |
| 04SHT484 | <0.2 | 0.31 | 1 | 47 | <0.5 | <1 | 0.16 | <1 | 1 | 109 | 3 | 1.47 | 0.05 | 0.14 | 0.006 | 1 | 0.02 |
| 04SHT485 | <0.2 | 0.43 | 1 | 57 | <0.5 | <1 | 0.17 | <1 | 2 | 172 | 3 | 1.74 | 0.09 | 0.15 | 0.014 | 1 | 0.03 |
| 04SHT486 | <0.2 | 0.41 | 1 | 53 | <0.5 | <1 | 0.18 | <1 | 1 | 135 | 3 | 1.71 | 0.08 | 0.16 | 0.011 | 1 | 0.03 |
| 04SHT487 | <0.2 | 0.39 | 1 | 71 | <0.5 | <1 | 0.15 | <1 | 1 | 200 | 2 | 1.47 | 0.08 | 0.14 | 0.011 | 1 | 0.03 |
| 04SHT488 | <0.2 | 0.35 | 1 | 71 | <0.5 | <1 | 0.14 | <1 | 1 | 168 | 2 | 1.62 | 0.07 | 0.13 | 0.011 | 1 | 0.02 |
| 04SHT489 | <0.2 | 0.34 | 1 | 97 | <0.5 | <1 | 0.14 | <1 | 3 | 127 | 3 | 1.58 | 0.06 | 0.13 | 0.026 | <1 | 0.02 |
| 04SHT490 | <0.2 | 0.41 | 1 | 87 | <0.5 | <1 | 0.27 | <1 | 2 | 149 | 3 | 1.56 | 0.08 | 0.19 | 0.011 | 2 | 0.03 |
| 04SHT492 | <0.2 | 0.48 | 2 | 60 | <0.5 | <1 | 0.22 | <1 | 2 | 179 | 3 | 1.71 | 0.09 | 0.21 | 0.013 | 1 | 0.04 |
| 04SHT494 | <0.2 | 0.48 | 1 | 68 | <0.5 | <1 | 0.21 | <1 | 2 | 218 | 3 | 1.28 | 0.09 | 0.17 | 0.008 | <1 | 0.04 |
| 04SHT495 | <0.2 | 0.41 | 1 | 41 | <0.5 | <1 | 0.18 | <1 | 1 | 133 | 2 | 1.58 | 0.07 | 0.16 | 0.008 | <1 | 0.03 |
| 04SHT496 | <0.2 | 0.45 | 2 | 79 | <0.5 | <1 | 0.22 | <1 | 2 | 115 | 3 | 1.65 | 0.08 | 0.22 | 0.013 | 1 | 0.03 |
| 04SHT496 R | <0.2 | 0.45 | 2 | 81 | <0.5 | <1 | 0.23 | <1 | 2 | 112 | 3 | 1.71 | 0.08 | 0.23 | 0.015 | <1 | 0.03 |

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Attention: Jennifer Burgess
PO #/Project: 99653F
Samples: 76

Report No: 05-122
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ag ppm | Al2O3 wt % | As ppm | Ba ppm | Be ppm | Bi ppm | CaO wt % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe2O3 wt % | K2O wt % | MgO wt % | MnO wt % | Mo ppm | Na2O wt % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 0.2 | 6.40 | 10 | 326 | 2.4 | <1 | 0.52 | 1 | 38 | 79 | 53 | 12.3 | 0.53 | 1.21 | 0.654 | 18 | 0.02 |
| 04SHT497 | <0.2 | 0.52 | 1 | 58 | <0.5 | <1 | 0.27 | <1 | 2 | 146 | 3 | 1.55 | 0.08 | 0.22 | 0.011 | 1 | 0.04 |
| 04SHT498 | <0.2 | 0.41 | 2 | 55 | <0.5 | <1 | 0.18 | <1 | 1 | 200 | 3 | 1.71 | 0.08 | 0.14 | 0.008 | 1 | 0.03 |
| 04SHT499 | <0.2 | 0.31 | 1 | 61 | <0.5 | <1 | 0.13 | <1 | 1 | 127 | 2 | 1.31 | 0.06 | 0.11 | 0.006 | 1 | 0.02 |
| 04SHT500 | <0.2 | 0.31 | 1 | 52 | <0.5 | <1 | 0.14 | <1 | 1 | 125 | 2 | 1.87 | 0.05 | 0.13 | 0.007 | 1 | 0.02 |
| 04SHT502 | <0.2 | 0.36 | 1 | 67 | <0.5 | <1 | 0.16 | <1 | 2 | 97 | 3 | 1.41 | 0.05 | 0.15 | 0.015 | <1 | 0.02 |
| 04SHT503 | <0.2 | 0.47 | 2 | 59 | <0.5 | <1 | 0.22 | <1 | 2 | 135 | 3 | 1.68 | 0.07 | 0.21 | 0.009 | <1 | 0.03 |
| 04SHT504 | <0.2 | 0.47 | 1 | 56 | <0.5 | <1 | 0.21 | <1 | 1 | 204 | 3 | 1.16 | 0.08 | 0.16 | 0.008 | 2 | 0.04 |
| 04SHT505 | <0.2 | 0.29 | 1 | 73 | <0.5 | <1 | 0.13 | <1 | 1 | 131 | 2 | 1.26 | 0.06 | 0.11 | 0.009 | 1 | 0.02 |
| 04SHT506 | <0.2 | 0.37 | 2 | 86 | <0.5 | <1 | 0.12 | <1 | 2 | 271 | 4 | 2.18 | 0.08 | 0.12 | 0.016 | 1 | 0.02 |
| 04SHT507 | <0.2 | 0.44 | 1 | 79 | <0.5 | <1 | 0.15 | <1 | 1 | 167 | 3 | 1.74 | 0.09 | 0.18 | 0.008 | 1 | 0.03 |
| 04SHT508 | 0.6 | 2.02 | 7 | 226 | 0.9 | 1 | 0.27 | <1 | 6 | 124 | 8 | 5.73 | 0.23 | 0.54 | 0.105 | 2 | 0.03 |
| 04SHT522 | <0.2 | 0.59 | 2 | 105 | <0.5 | <1 | 0.51 | <1 | 3 | 126 | 5 | 1.84 | 0.12 | 0.33 | 0.017 | <1 | 0.05 |
| 04SHT523 | <0.2 | 0.45 | 1 | 69 | <0.5 | <1 | 0.25 | <1 | 2 | 100 | 4 | 1.62 | 0.08 | 0.23 | 0.011 | <1 | 0.03 |
| 04SHT524 | <0.2 | 0.51 | 2 | 92 | <0.5 | <1 | 0.28 | <1 | 2 | 100 | 3 | 1.49 | 0.11 | 0.25 | 0.011 | 1 | 0.04 |
| 04SHT525 | <0.2 | 0.43 | 2 | 66 | <0.5 | <1 | 0.29 | <1 | 2 | 87 | 3 | 1.77 | 0.07 | 0.28 | 0.011 | <1 | 0.02 |
| 04SHT526 | <0.2 | 0.53 | 2 | 82 | <0.5 | <1 | 0.32 | <1 | 2 | 107 | 4 | 1.53 | 0.11 | 0.31 | 0.008 | 1 | 0.04 |
| 04SHT527 | <0.2 | 0.57 | 2 | 90 | <0.5 | <1 | 0.31 | <1 | 3 | 142 | 4 | 2.01 | 0.11 | 0.28 | 0.021 | <1 | 0.05 |
| 04SHT528 | <0.2 | 0.48 | 2 | 66 | <0.5 | <1 | 0.26 | <1 | 2 | 132 | 3 | 1.66 | 0.09 | 0.22 | 0.009 | 1 | 0.04 |
| 04SHT529 | <0.2 | 0.51 | 2 | 66 | <0.5 | <1 | 0.25 | <1 | 2 | 144 | 3 | 1.91 | 0.09 | 0.23 | 0.011 | 1 | 0.04 |
| LS3 | 0.3 | 6.35 | 11 | 331 | 2.4 | <1 | 0.52 | 1 | 38 | 79 | 52 | 12.3 | 0.54 | 1.23 | 0.661 | 19 | 0.02 |
| 04SHT530 | <0.2 | 0.56 | 2 | 61 | <0.5 | <1 | 0.27 | <1 | 2 | 191 | 4 | 2.04 | 0.09 | 0.27 | 0.013 | <1 | 0.04 |
| 04SHT531 | <0.2 | 0.57 | 2 | 79 | <0.5 | <1 | 0.25 | <1 | 2 | 215 | 3 | 1.47 | 0.12 | 0.21 | 0.009 | 1 | 0.06 |
| 04SHT532 | <0.2 | 0.41 | 1 | 72 | <0.5 | <1 | 0.19 | <1 | 2 | 118 | 2 | 1.62 | 0.07 | 0.18 | 0.014 | 1 | 0.03 |
| 04SHT533 | <0.2 | 0.42 | 1 | 62 | <0.5 | <1 | 0.19 | <1 | 1 | 161 | 3 | 1.54 | 0.08 | 0.16 | 0.007 | <1 | 0.04 |
| 04SHT534 | <0.2 | 0.56 | 2 | 70 | <0.5 | <1 | 0.29 | <1 | 2 | 146 | 4 | 1.81 | 0.11 | 0.25 | 0.012 | 2 | 0.05 |
| 04SHT535 | <0.2 | 0.58 | 2 | 61 | <0.5 | <1 | 0.34 | <1 | 3 | 105 | 4 | 1.53 | 0.11 | 0.26 | 0.014 | 1 | 0.05 |
| 04SHT536 | <0.2 | 0.51 | 2 | 70 | <0.5 | <1 | 0.26 | <1 | 2 | 220 | 4 | 2.04 | 0.11 | 0.22 | 0.011 | 1 | 0.05 |
| 04SHT537 | <0.2 | 0.44 | 1 | 50 | <0.5 | <1 | 0.25 | <1 | 2 | 129 | 3 | 1.68 | 0.08 | 0.19 | 0.011 | <1 | 0.04 |
| 04SHT538 | <0.2 | 0.51 | 1 | 54 | <0.5 | <1 | 0.23 | <1 | 2 | 188 | 3 | 1.95 | 0.09 | 0.21 | 0.011 | 1 | 0.04 |
| 04SHT539 | <0.2 | 0.38 | 2 | 54 | <0.5 | <1 | 0.19 | <1 | 1 | 126 | 2 | 1.59 | 0.07 | 0.15 | 0.008 | 1 | 0.03 |
| 04SHT541 | <0.2 | 0.51 | 1 | 54 | <0.5 | <1 | 0.21 | <1 | 1 | 249 | 3 | 1.72 | 0.11 | 0.18 | 0.009 | 2 | 0.05 |
| 04SHT542 | <0.2 | 0.32 | 1 | 73 | <0.5 | <1 | 0.16 | <1 | 1 | 121 | 3 | 1.78 | 0.06 | 0.14 | 0.007 | 1 | 0.02 |
| 04SHT543 | <0.2 | 0.37 | 1 | 49 | <0.5 | <1 | 0.19 | <1 | 1 | 132 | 2 | 1.64 | 0.07 | 0.15 | 0.008 | 1 | 0.03 |
| 04SHT544 | <0.2 | 0.46 | 1 | 53 | <0.5 | <1 | 0.22 | <1 | 1 | 156 | 3 | 1.31 | 0.08 | 0.17 | 0.007 | 1 | 0.04 |
| 04SHT544 R | <0.2 | 0.43 | 1 | 50 | <0.5 | <1 | 0.21 | <1 | 1 | 150 | 3 | 1.29 | 0.07 | 0.17 | 0.007 | <1 | 0.04 |

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Attention: Jennifer Burgess
PO #/Project: 99653F
Samples: 76

Report No: 05-122
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ni ppm | P2O5 wt % | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | TiO2 wt % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 48 | 0.554 | 19 | <1 | 7 | <1 | 26 | 0.14 | 109 | <1 | 18 | 221 | 2 |
| 04SHT407 | 5 | 0.029 | 4 | <1 | <1 | <1 | 54 | 0.02 | 27 | 1 | 2 | 9 | 16 |
| 04SHT408 | 6 | 0.061 | 6 | <1 | <1 | <1 | 42 | 0.02 | 30 | <1 | 3 | 10 | 13 |
| 04SHT411 | 3 | 0.072 | 4 | <1 | <1 | <1 | 39 | 0.02 | 22 | <1 | 2 | 9 | 11 |
| 04SHT413 | 5 | 0.057 | 3 | <1 | <1 | 1 | 31 | 0.02 | 10 | 1 | 2 | 6 | 8 |
| 04SHT418 | 5 | 0.075 | 4 | <1 | <1 | <1 | 39 | 0.02 | 21 | <1 | 2 | 8 | 12 |
| 04SHT420 | 6 | 0.059 | 4 | <1 | <1 | <1 | 35 | 0.02 | 24 | <1 | 2 | 9 | 11 |
| 04SHT422 | 4 | 0.062 | 4 | <1 | <1 | 1 | 33 | 0.02 | 24 | <1 | 2 | 8 | 11 |
| 04SHT424 | 5 | 0.064 | 5 | <1 | <1 | <1 | 34 | 0.02 | 22 | <1 | 2 | 8 | 11 |
| 04SHT431 | 3 | 0.058 | 3 | <1 | <1 | <1 | 25 | 0.02 | 16 | <1 | 2 | 7 | 6 |
| 04SHT444 | 5 | 0.059 | 3 | <1 | <1 | 1 | 23 | 0.03 | 15 | <1 | 2 | 8 | 8 |
| 04SHT446 | 5 | 0.057 | 3 | <1 | <1 | <1 | 22 | 0.03 | 17 | <1 | 2 | 8 | 8 |
| 04SHT449 | 4 | 0.073 | 3 | <1 | <1 | <1 | 21 | 0.04 | 14 | <1 | 3 | 9 | 8 |
| 04SHT451 | 3 | 0.068 | 3 | <1 | <1 | 1 | 16 | 0.03 | 16 | <1 | 2 | 9 | 6 |
| 04SHT455 | 4 | 0.065 | 3 | <1 | <1 | <1 | 22 | 0.03 | 14 | <1 | 3 | 8 | 7 |
| 04SHT456 | 6 | 0.065 | 3 | <1 | <1 | <1 | 24 | 0.03 | 15 | <1 | 3 | 9 | 8 |
| 04SHT458 | 3 | 0.057 | 3 | <1 | <1 | <1 | 22 | 0.03 | 16 | <1 | 2 | 8 | 7 |
| 04SHT459 | 5 | 0.048 | 3 | <1 | <1 | <1 | 24 | 0.03 | 23 | <1 | 2 | 9 | 9 |
| 04SHT461 | 4 | 0.061 | 3 | <1 | <1 | 1 | 23 | 0.03 | 14 | <1 | 2 | 8 | 8 |
| 04SHT462 | 4 | 0.062 | 3 | <1 | <1 | 1 | 25 | 0.03 | 13 | <1 | 3 | 8 | 9 |
| LS3 | 48 | 0.556 | 18 | <1 | 7 | <1 | 25 | 0.14 | 108 | <1 | 18 | 221 | 1 |
| 04SHT465 | 3 | 0.064 | 3 | <1 | <1 | 1 | 21 | 0.03 | 13 | <1 | 2 | 7 | 6 |
| 04SHT466 | 3 | 0.062 | 3 | <1 | <1 | <1 | 16 | 0.03 | 14 | <1 | 2 | 8 | 5 |
| 04SHT467 | 4 | 0.067 | 3 | <1 | <1 | 1 | 21 | 0.04 | 14 | <1 | 3 | 9 | 7 |
| 04SHT468 | 4 | 0.066 | 3 | <1 | <1 | <1 | 22 | 0.03 | 12 | <1 | 3 | 7 | 8 |
| 04SHT469 | 3 | 0.065 | 2 | <1 | <1 | 1 | 21 | 0.03 | 12 | <1 | 2 | 8 | 5 |
| 04SHT470 | 4 | 0.056 | 3 | <1 | <1 | <1 | 22 | 0.02 | 13 | <1 | 2 | 7 | 8 |
| 04SHT483 | 6 | 0.094 | 4 | <1 | <1 | 1 | 30 | 0.05 | 22 | <1 | 3 | 12 | 10 |
| 04SHT484 | 4 | 0.072 | 2 | <1 | <1 | 1 | 26 | 0.03 | 15 | <1 | 2 | 8 | 7 |
| 04SHT485 | 7 | 0.065 | 3 | <1 | <1 | 1 | 30 | 0.03 | 18 | <1 | 2 | 9 | 10 |
| 04SHT486 | 5 | 0.069 | 3 | <1 | <1 | 1 | 29 | 0.03 | 18 | <1 | 2 | 8 | 9 |
| 04SHT487 | 6 | 0.061 | 3 | <1 | <1 | <1 | 29 | 0.03 | 14 | <1 | 2 | 8 | 9 |
| 04SHT488 | 6 | 0.056 | 3 | <1 | <1 | 1 | 28 | 0.02 | 15 | <1 | 2 | 7 | 9 |
| 04SHT489 | 7 | 0.057 | 4 | <1 | <1 | 1 | 28 | 0.03 | 16 | <1 | 2 | 8 | 9 |
| 04SHT490 | 6 | 0.083 | 3 | <1 | <1 | 1 | 31 | 0.04 | 16 | 1 | 3 | 8 | 9 |
| 04SHT492 | 6 | 0.091 | 4 | <1 | <1 | 1 | 33 | 0.04 | 18 | <1 | 3 | 9 | 10 |
| 04SHT494 | 6 | 0.073 | 3 | <1 | <1 | 1 | 29 | 0.03 | 13 | <1 | 2 | 9 | 9 |
| 04SHT495 | 4 | 0.066 | 3 | <1 | <1 | 1 | 27 | 0.03 | 16 | <1 | 2 | 10 | 7 |
| 04SHT496 | 7 | 0.088 | 4 | <1 | <1 | 2 | 30 | 0.04 | 19 | 1 | 3 | 10 | 9 |
| 04SHT496 R | 7 | 0.094 | 4 | <1 | <1 | 1 | 31 | 0.05 | 19 | <1 | 3 | 11 | 9 |

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Attention: Jennifer Burgess
PO #/Project: 99653F
Samples: 76

Report No: 05-122
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ni ppm | P2O5 wt % | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | TiO2 wt % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 49 | 0.568 | 18 | <1 | 7 | <1 | 26 | 0.14 | 110 | <1 | 18 | 225 | 1 |
| 04SHT497 | 6 | 0.081 | 3 | <1 | 1 | 2 | 30 | 0.05 | 17 | <1 | 3 | 10 | 8 |
| 04SHT498 | 6 | 0.071 | 3 | <1 | <1 | 1 | 30 | 0.04 | 17 | <1 | 3 | 8 | 10 |
| 04SHT499 | 5 | 0.063 | 2 | <1 | <1 | <1 | 28 | 0.02 | 12 | <1 | 2 | 6 | 8 |
| 04SHT500 | 5 | 0.059 | 3 | <1 | <1 | 1 | 26 | 0.03 | 19 | <1 | 2 | 7 | 8 |
| 04SHT502 | 5 | 0.065 | 3 | <1 | <1 | 1 | 26 | 0.03 | 14 | <1 | 2 | 9 | 7 |
| 04SHT503 | 6 | 0.082 | 3 | <1 | <1 | 1 | 30 | 0.05 | 18 | 1 | 3 | 11 | 8 |
| 04SHT504 | 7 | 0.065 | 2 | <1 | <1 | 1 | 29 | 0.04 | 12 | 1 | 2 | 7 | 8 |
| 04SHT505 | 4 | 0.055 | 3 | <1 | <1 | <1 | 27 | 0.02 | 12 | <1 | 2 | 6 | 8 |
| 04SHT506 | 7 | 0.051 | 4 | <1 | <1 | 1 | 30 | 0.02 | 20 | <1 | 2 | 9 | 11 |
| 04SHT507 | 6 | 0.064 | 3 | <1 | <1 | 1 | 31 | 0.03 | 17 | <1 | 2 | 10 | 9 |
| 04SHT508 | 13 | 0.128 | 11 | <1 | 1 | 2 | 57 | 0.03 | 42 | <1 | 6 | 40 | 1 |
| 04SHT522 | 8 | 0.118 | 5 | <1 | 1 | 1 | 38 | 0.06 | 21 | <1 | 4 | 12 | 11 |
| 04SHT523 | 6 | 0.103 | 4 | <1 | <1 | 1 | 28 | 0.05 | 18 | <1 | 3 | 10 | 9 |
| 04SHT524 | 6 | 0.129 | 5 | <1 | 1 | 1 | 32 | 0.05 | 18 | <1 | 4 | 11 | 11 |
| 04SHT525 | 6 | 0.121 | 5 | <1 | <1 | 2 | 30 | 0.05 | 19 | <1 | 3 | 11 | 9 |
| 04SHT526 | 7 | 0.141 | 4 | <1 | 1 | 1 | 32 | 0.06 | 18 | <1 | 4 | 11 | 11 |
| 04SHT527 | 8 | 0.117 | 5 | <1 | 1 | 1 | 33 | 0.06 | 22 | <1 | 4 | 12 | 11 |
| 04SHT528 | 6 | 0.101 | 3 | <1 | <1 | 1 | 30 | 0.05 | 18 | <1 | 3 | 10 | 9 |
| 04SHT529 | 6 | 0.095 | 4 | <1 | <1 | 2 | 30 | 0.05 | 21 | 1 | 3 | 11 | 10 |
| LS3 | 49 | 0.550 | 19 | <1 | 7 | <1 | 26 | 0.15 | 109 | <1 | 19 | 226 | 1 |
| 04SHT530 | 7 | 0.098 | 4 | <1 | 1 | 1 | 30 | 0.05 | 22 | <1 | 3 | 12 | 9 |
| 04SHT531 | 7 | 0.093 | 3 | <1 | <1 | 1 | 33 | 0.04 | 15 | <1 | 3 | 9 | 11 |
| 04SHT532 | 6 | 0.079 | 3 | <1 | <1 | 1 | 28 | 0.04 | 18 | <1 | 3 | 10 | 8 |
| 04SHT533 | 5 | 0.075 | 3 | <1 | <1 | 1 | 29 | 0.03 | 16 | <1 | 3 | 10 | 9 |
| 04SHT534 | 7 | 0.106 | 4 | <1 | 1 | 1 | 32 | 0.06 | 20 | 1 | 4 | 11 | 11 |
| 04SHT535 | 6 | 0.123 | 4 | <1 | 1 | 1 | 29 | 0.06 | 18 | <1 | 4 | 11 | 10 |
| 04SHT536 | 7 | 0.093 | 4 | <1 | 1 | 1 | 30 | 0.05 | 21 | <1 | 3 | 11 | 10 |
| 04SHT537 | 5 | 0.085 | 3 | <1 | <1 | 1 | 25 | 0.05 | 18 | <1 | 3 | 10 | 7 |
| 04SHT538 | 7 | 0.075 | 3 | <1 | <1 | 1 | 27 | 0.04 | 20 | 1 | 3 | 15 | 7 |
| 04SHT539 | 4 | 0.074 | 3 | <1 | <1 | 1 | 27 | 0.03 | 17 | <1 | 2 | 8 | 8 |
| 04SHT541 | 7 | 0.071 | 3 | <1 | <1 | 1 | 31 | 0.04 | 17 | <1 | 2 | 9 | 9 |
| 04SHT542 | 5 | 0.067 | 3 | <1 | <1 | 1 | 26 | 0.03 | 19 | <1 | 2 | 9 | 8 |
| 04SHT543 | 5 | 0.074 | 3 | <1 | <1 | 1 | 26 | 0.03 | 17 | <1 | 3 | 9 | 9 |
| 04SHT544 | 5 | 0.073 | 3 | <1 | <1 | 1 | 25 | 0.04 | 13 | <1 | 2 | 8 | 6 |
| 04SHT544 R | 4 | 0.074 | 3 | <1 | <1 | 1 | 24 | 0.04 | 14 | <1 | 2 | 8 | 6 |

Aqua Regia: A 0.5 g pulp is digested with 2.00 ml of 3:1 HCL:HNO3 for 1 hour at 95 C.

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: 99653F
Samples: 78

**SRC Geoanalytical Laboratories**
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 05-125
Date: March 21, 2005

**Multi-Element ICP Analysis**
Aqua Regia Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Arsenic in ppm (As)
Barium in ppm (Ba)
Berylium in ppm (Be)

Bismuth in ppm (Bi)
Calcium in wt % (CaO)
Cadmium in ppm (Cd)
Cobalt in ppm (Co)
Chromium in ppm (Cr)

Copper in ppm (Cu)
Iron in wt % (Fe2O3)
Potassium in wt % (K2O)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)

Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Scandium in ppm (Sc)
Tin in ppm (Sn)
Strontium in ppm (Sr)
Titanium in wt % (TiO2)

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Zinc in ppm (Zn)
Zirconium in ppm (Zr)

**Shear Minerals Ltd.**
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PO #/Project: 99653F
Samples: 78

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Report No: 05-125
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ag ppm | Al2O3 wt % | As ppm | Ba ppm | Be ppm | Bi ppm | CaO wt % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe2O3 wt % | K2O wt % | MgO wt % | MnO wt % | Mo ppm | Na2O wt % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 0.2 | 6.53 | 11 | 332 | 2.4 | <1 | 0.53 | 1 | 37 | 76 | 55 | 11.9 | 0.53 | 1.18 | 0.642 | 18 | 0.02 |
| [redacted] | | | | | | | | | | | | | | | | | |
| 04JST626 | <0.2 | 0.54 | 2 | 47 | <0.5 | <1 | 0.34 | <1 | 2 | 101 | 5 | 2.02 | 0.09 | 0.26 | 0.011 | 1 | 0.05 |
| 04JST629 | <0.2 | 0.81 | 2 | 57 | <0.5 | <1 | 0.44 | <1 | 3 | 111 | 7 | 2.18 | 0.15 | 0.46 | 0.015 | <1 | 0.06 |
| 04JST630 | <0.2 | 0.51 | 1 | 65 | <0.5 | <1 | 0.29 | <1 | 2 | 108 | 4 | 1.69 | 0.11 | 0.24 | 0.009 | 1 | 0.05 |
| 04JST632 | <0.2 | 0.69 | 2 | 47 | <0.5 | <1 | 0.48 | <1 | 2 | 115 | 6 | 2.15 | 0.13 | 0.35 | 0.013 | 1 | 0.07 |
| 04JST633 | <0.2 | 0.57 | 1 | 48 | <0.5 | <1 | 0.35 | <1 | 2 | 151 | 6 | 3.05 | 0.11 | 0.28 | 0.014 | 1 | 0.06 |
| 04JST634 | <0.2 | 0.58 | 1 | 45 | <0.5 | <1 | 0.34 | <1 | 2 | 149 | 4 | 2.14 | 0.11 | 0.29 | 0.012 | 1 | 0.06 |
| 04JST635 | <0.2 | 0.48 | 1 | 44 | <0.5 | <1 | 0.29 | <1 | 1 | 115 | 4 | 1.81 | 0.09 | 0.21 | 0.009 | <1 | 0.05 |
| 04JST636 | <0.2 | 0.47 | 2 | 52 | <0.5 | <1 | 0.31 | <1 | 2 | 107 | 4 | 1.67 | 0.08 | 0.22 | 0.011 | 1 | 0.05 |
| 04JST637 | <0.2 | 0.46 | 1 | 41 | <0.5 | <1 | 0.27 | <1 | 2 | 123 | 3 | 1.68 | 0.09 | 0.21 | 0.009 | 1 | 0.04 |
| 04JST638 | <0.2 | 0.54 | 2 | 45 | <0.5 | <1 | 0.34 | <1 | 2 | 174 | 5 | 1.95 | 0.09 | 0.25 | 0.012 | <1 | 0.05 |
| 04JST639 | <0.2 | 0.51 | 2 | 52 | <0.5 | <1 | 0.32 | <1 | 2 | 107 | 4 | 1.71 | 0.08 | 0.23 | 0.011 | <1 | 0.05 |
| 04JST640 | <0.2 | 0.61 | 1 | 45 | <0.5 | <1 | 0.32 | <1 | 2 | 133 | 4 | 1.91 | 0.11 | 0.26 | 0.011 | 1 | 0.06 |
| LS3 | 0.2 | 6.41 | 11 | 333 | 2.5 | <1 | 0.53 | 1 | 38 | 78 | 52 | 12.1 | 0.53 | 1.21 | 0.651 | 18 | 0.02 |
| 04JST652 | <0.2 | 0.68 | 2 | 76 | <0.5 | <1 | 0.43 | <1 | 2 | 104 | 5 | 1.41 | 0.17 | 0.46 | 0.011 | <1 | 0.03 |
| 04JST653 | <0.2 | 0.61 | 2 | 63 | <0.5 | <1 | 0.29 | <1 | 2 | 120 | 5 | 1.46 | 0.11 | 0.31 | 0.011 | 1 | 0.05 |
| 04JST654 | <0.2 | 0.47 | 1 | 54 | <0.5 | <1 | 0.22 | <1 | 2 | 105 | 3 | 1.71 | 0.08 | 0.22 | 0.013 | 1 | 0.03 |
| 04JST655 | <0.2 | 0.65 | 2 | 88 | <0.5 | <1 | 0.41 | <1 | 2 | 105 | 6 | 1.88 | 0.11 | 0.36 | 0.012 | <1 | 0.05 |
| 04JST656 | <0.2 | 0.41 | 1 | 56 | <0.5 | 2 | 0.23 | <1 | 2 | 80 | 3 | 1.46 | 0.07 | 0.22 | 0.008 | <1 | 0.03 |
| 04JST657 | <0.2 | 0.74 | 2 | 68 | <0.5 | <1 | 0.55 | <1 | 3 | 102 | 5 | 1.62 | 0.17 | 0.44 | 0.014 | <1 | 0.06 |
| 04JST658 | <0.2 | 0.51 | 1 | 34 | <0.5 | <1 | 0.31 | <1 | 1 | 85 | 3 | 2.11 | 0.11 | 0.23 | 0.011 | <1 | 0.04 |
| 04JST661 | <0.2 | 0.75 | 2 | 50 | <0.5 | <1 | 0.57 | <1 | 2 | 111 | 6 | 1.99 | 0.18 | 0.43 | 0.014 | 1 | 0.06 |
| 04JST662 | <0.2 | 0.54 | 1 | 42 | <0.5 | <1 | 0.37 | <1 | 2 | 96 | 3 | 1.65 | 0.09 | 0.25 | 0.011 | 1 | 0.05 |
| 04JST663 | <0.2 | 0.54 | 2 | 53 | <0.5 | <1 | 0.32 | <1 | 2 | 162 | 4 | 1.91 | 0.09 | 0.26 | 0.011 | <1 | 0.05 |
| 04JST664 | <0.2 | 0.51 | 1 | 52 | <0.5 | <1 | 0.28 | <1 | 2 | 117 | 4 | 1.54 | 0.09 | 0.22 | 0.009 | 1 | 0.05 |
| 04SHT573 | <0.2 | 0.57 | 1 | 55 | <0.5 | <1 | 0.33 | <1 | 1 | 112 | 4 | 1.28 | 0.11 | 0.28 | 0.009 | 1 | 0.05 |
| 04SHT575 | 0.3 | 1.29 | 2 | 49 | 0.5 | <1 | 0.41 | <1 | 5 | 122 | 6 | 4.13 | 0.17 | 0.73 | 0.032 | <1 | 0.06 |
| 04SHT577 | <0.2 | 0.61 | 2 | 77 | <0.5 | <1 | 0.33 | <1 | 3 | 116 | 6 | 1.72 | 0.13 | 0.31 | 0.018 | 1 | 0.05 |
| 04SHT578 | 0.2 | 1.48 | 3 | 57 | 0.5 | <1 | 0.53 | <1 | 4 | 209 | 4 | 3.46 | 0.18 | 0.77 | 0.026 | 1 | 0.11 |
| 04SHT579 | <0.2 | 0.56 | 1 | 56 | <0.5 | <1 | 0.35 | <1 | 2 | 95 | 4 | 1.73 | 0.11 | 0.28 | 0.011 | <1 | 0.05 |
| 04SHT580 | <0.2 | 0.52 | 1 | 51 | <0.5 | <1 | 0.33 | <1 | 2 | 108 | 4 | 1.42 | 0.11 | 0.26 | 0.011 | 1 | 0.04 |
| 04SHT581 | <0.2 | 0.66 | 1 | 50 | <0.5 | <1 | 0.46 | <1 | 2 | 127 | 4 | 2.27 | 0.12 | 0.36 | 0.014 | 1 | 0.06 |
| 04SHT581 R | <0.2 | 0.65 | 1 | 49 | <0.5 | <1 | 0.45 | <1 | 2 | 122 | 4 | 2.28 | 0.11 | 0.36 | 0.014 | <1 | 0.06 |

**Shear Minerals Ltd.**
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PO #/Project: 99653F
Samples: 78

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Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 05-125
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ag ppm | Al2O3 wt % | As ppm | Ba ppm | Be ppm | Bi ppm | CaO wt % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe2O3 wt % | K2O wt % | MgO wt % | MnO wt % | Mo ppm | Na2O wt % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 0.2 | 6.11 | 11 | 306 | 2.3 | <1 | 0.50 | 1 | 37 | 70 | 50 | 11.3 | 0.50 | 1.17 | 0.622 | 17 | 0.02 |
| [redacted] | | | | | | | | | | | | | | | | | |
| LS3 | 0.3 | 6.27 | 11 | 339 | 2.6 | <1 | 0.52 | 1 | 37 | 80 | 52 | 11.9 | 0.54 | 1.21 | 0.651 | 19 | 0.02 |
| [redacted] | | | | | | | | | | | | | | | | | |

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Samples: 78

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Report No: 05-125
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ni ppm | P2O5 wt % | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | TiO2 wt % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 48 | 0.551 | 18 | <1 | 7 | <1 | 26 | 0.14 | 110 | <1 | 18 | 219 | 2 |
| [redacted] | | | | | | | | | | | | | |
| 04JST626 | 6 | 0.131 | 5 | <1 | 1 | 1 | 28 | 0.07 | 24 | <1 | 4 | 13 | 5 |
| 04JST629 | 10 | 0.168 | 5 | <1 | 1 | 1 | 32 | 0.09 | 27 | <1 | 5 | 17 | 9 |
| 04JST630 | 6 | 0.106 | 4 | <1 | <1 | 1 | 28 | 0.06 | 20 | <1 | 3 | 11 | 7 |
| 04JST632 | 8 | 0.203 | 6 | <1 | 1 | 1 | 28 | 0.09 | 26 | <1 | 6 | 28 | 9 |
| 04JST633 | 8 | 0.112 | 5 | <1 | 1 | 1 | 25 | 0.08 | 36 | <1 | 4 | 15 | 7 |
| 04JST634 | 8 | 0.125 | 5 | <1 | 1 | 1 | 26 | 0.07 | 25 | <1 | 4 | 14 | 9 |
| 04JST635 | 5 | 0.105 | 5 | <1 | <1 | <1 | 21 | 0.06 | 20 | <1 | 4 | 11 | 7 |
| 04JST636 | 6 | 0.114 | 4 | <1 | <1 | <1 | 23 | 0.06 | 19 | <1 | 4 | 11 | 8 |
| 04JST637 | 5 | 0.102 | 4 | <1 | <1 | 1 | 21 | 0.06 | 19 | <1 | 3 | 11 | 7 |
| 04JST638 | 7 | 0.122 | 5 | <1 | 1 | 1 | 26 | 0.07 | 22 | <1 | 4 | 12 | 5 |
| 04JST639 | 6 | 0.121 | 4 | <1 | <1 | 1 | 26 | 0.06 | 20 | <1 | 4 | 12 | 5 |
| 04JST640 | 6 | 0.115 | 4 | <1 | 1 | 1 | 26 | 0.06 | 22 | <1 | 4 | 13 | 8 |
| LS3 | 47 | 0.551 | 18 | <1 | 7 | <1 | 27 | 0.14 | 109 | <1 | 18 | 222 | 1 |
| 04JST652 | 10 | 0.227 | 4 | <1 | <1 | 1 | 42 | 0.09 | 18 | <1 | 3 | 13 | 2 |
| 04JST653 | 8 | 0.103 | 4 | <1 | 1 | 2 | 30 | 0.06 | 17 | <1 | 3 | 12 | 8 |
| 04JST654 | 6 | 0.075 | 4 | <1 | <1 | 1 | 28 | 0.05 | 20 | <1 | 2 | 10 | 6 |
| 04JST655 | 9 | 0.142 | 4 | <1 | 1 | 1 | 32 | 0.07 | 23 | <1 | 4 | 13 | 9 |
| 04JST656 | 6 | 0.095 | 3 | <1 | <1 | 1 | 28 | 0.04 | 17 | <1 | 3 | 10 | 8 |
| 04JST657 | 11 | 0.241 | 3 | <1 | 1 | 2 | 30 | 0.09 | 22 | <1 | 6 | 17 | 7 |
| 04JST658 | 5 | 0.127 | 5 | <1 | <1 | <1 | 22 | 0.07 | 23 | <1 | 4 | 15 | 12 |
| 04JST661 | 9 | 0.247 | 4 | <1 | 1 | 1 | 28 | 0.11 | 27 | <1 | 5 | 18 | 8 |
| 04JST662 | 6 | 0.148 | 4 | <1 | 1 | 1 | 25 | 0.08 | 20 | <1 | 4 | 12 | 7 |
| 04JST663 | 7 | 0.115 | 4 | <1 | 1 | 1 | 25 | 0.07 | 22 | <1 | 4 | 13 | 7 |
| 04JST664 | 5 | 0.097 | 4 | <1 | <1 | 1 | 23 | 0.06 | 18 | <1 | 3 | 10 | 6 |
| 04SHT573 | 6 | 0.121 | 4 | <1 | 1 | 1 | 27 | 0.07 | 16 | <1 | 4 | 12 | 8 |
| 04SHT575 | 14 | 0.115 | 8 | <1 | 2 | 2 | 30 | 0.15 | 55 | <1 | 4 | 49 | <1 |
| 04SHT577 | 7 | 0.125 | 74 | <1 | 1 | 70 | 31 | 0.06 | 20 | <1 | 4 | 14 | 11 |
| 04SHT578 | 14 | 0.142 | 6 | <1 | 2 | 1 | 35 | 0.16 | 45 | <1 | 5 | 39 | <1 |
| 04SHT579 | 6 | 0.134 | 4 | <1 | 1 | <1 | 28 | 0.07 | 21 | <1 | 4 | 13 | 6 |
| 04SHT580 | 6 | 0.133 | 4 | <1 | <1 | 1 | 27 | 0.06 | 16 | <1 | 4 | 11 | 9 |
| 04SHT581 | 8 | 0.167 | 4 | <1 | 1 | 1 | 30 | 0.09 | 28 | <1 | 5 | 16 | 8 |
| 04SHT581 R | 7 | 0.163 | 4 | <1 | 1 | 2 | 29 | 0.08 | 28 | <1 | 5 | 19 | 8 |

**Shear Minerals Ltd.**
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Samples: 78

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Report No: 05-125
Date: March 21, 2005

## Multi-Element ICP Analysis
Aqua Regia Digestion

| Sample Number | Ni ppm | P2O5 wt % | Pb ppm | Sb ppm | Sc ppm | Sn ppm | Sr ppm | TiO2 wt % | V ppm | W ppm | Y ppm | Zn ppm | Zr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LS3 | 47 | 0.531 | 17 | <1 | 5 | <1 | 24 | 0.16 | 103 | <1 | 17 | 201 | 3 |
| [redacted] | | | | | | | | | | | | | |
| LS3 | 48 | 0.554 | 18 | <1 | 6 | <1 | 27 | 0.18 | 110 | <1 | 19 | 220 | 1 |
| [redacted] | | | | | | | | | | | | | |

Aqua Regia: A 0.5 g pulp is digested with 2.00 ml of 3:1 HCL:HNO3 for 1 hour at 95 C.

# APPENDIX 4a

# 2004 Till Sampling Expenses

**Churchill Project - Baker Lake**
**2004 Till Sampling Expenditures**
**Shear Minerals Ltd.**

| | | | |
|---|---|---|---|
| **2004 Till Sampling** | | | |
| | | | |
| **Salary/Wages** | | | |
| Field personnel | Apex Personnel (656 hours) | $ | 25,450.00 |
| | Rankin Local Personnel (264 hours) | $ | 8,250.00 |
| | Burgess Diamonds - J. Burgess (128 hours) | $ | 8,800.00 |
| | **Salary/Wages subtotal** | **$** | **42,500.00** |
| | | | |
| **Field Related Costs** | | | |
| Helicopter | Flight Charges (Hughes 500, $815/hr x 90.28 hours) | $ | 73,578.20 |
| | Flight Charges (EC120B, $1025/hr x 24.96 hours) | $ | 25,584.00 |
| | Fuel Charges (Churchill Marine Tank Farm Jet-A $270.56 / drum) 99.93 drums | $ | 27,037.06 |
| Fixed Wing | Flight charges (Arctic Sunwest - $8.45/stat. mile) | $ | 5,614.40 |
| | fuel charges (Artic Sunwest Jet-A - $0.9639 / Litre) | $ | 1,120.76 |
| Accomodation | *Portion of accomodation split with other projects:* Carmen Ikuutaq and Johnny Qaqimat (Baker Lake House rental) / Richard Shushack (cook and first aid - Baker) / Aurora Northern Contractors (Rankin House Rental, cooking, cleaning) / Chateau Nova (Yellowknife hotel to Rankin for all staff) / Sitittco Energy Ltd., Petroleum Products Division (fuel for house) / Nunavut Power Corporation (power bill for house) / 4053010 Manitoba Inc. (rental of Warehouse, utilities) | $ | 14,229.80 |
| Food | *Portion of food split with other projects:* Rankin Inlet Northern | $ | 3,499.35 |
| | *Portion of food split with other projects:* Sysco | $ | 579.48 |
| Travel and related costs | *Portion of airfare split with other projects:* D. Besserer-Canadian North (June 23/04 Calgary-Rankin); J. Armstrong-Can Nor (June 21/04 Ed-Rank, July 21/04 return); J. Burgess-Can Nor (June 21/04 Ed-Rank); J. Tuck-Can Nor (June21/04 Ed-Rank)/First Air (June 23/04 Rank-Ed)/Can. Nor. (June 28/04, Ed-Rank,return July7/04)/Can. Nor. (Aug 25/04 Rank.-Ed)/Can. Nor. (Sept 8/04 Ed-Rank)/First Air (Oct 19/04 Rank-Ed); P. Whyte-Can Nor (June 14/04 Ed-Rank)/First Air (July 8/04 Rank-Ed)/Can Nor (July 19/04 Ed-Rank, return Sept 8/04)/Can Nor (Sept 20/04 Ed-Rank)/First Air (Oct 15/04 Rank-Ed); J. Kidston-Jetsgo (June 23/04 Halifax-Winnepeg)/Calm Air (June 23/04 Winn-Rank)/Calm Air (July23/04 Rank-Winn)/West Jet (July 23/04 Winn-Hal); K. Belshaw-Can Nor (June 16/04 Rank-Ed)/Can Nor (June 21/04 Ed-Rank)/First Air (July 28/04 Rank-Ed, return Aug 9/04)/Can Nor (Aug 30/04 Rank-Ed); S. McCraken-Can Nor (July 5/04 Ed-Rank, Aug 30/04 return); Kivalliq Air - June 4/04 charter-transport till crew Rank,YK-RI-Baker | $ | 8,838.00 |
| Freight (samples) | Kivalliq Air (Baker Lake-Rankin) - July 11,26,28,30/04, Aug 3,26/04, Sept 6/04 | $ | 3,779.00 |
| | Skyward Aviation Ltd. (Rankin-Churchill) - July 6,31/04, Aug. 01/04 | $ | 6,988.66 |
| | Gardewin Transport (Churchill to SK/ON) - Aug. 4/04, Sept. 04/04, Dec. 31/04 | $ | 1,476.11 |
| | First Air (NU-SK) - Aug. 31/04 | $ | 238.97 |
| | Canadian North (NU-SK) - Nov. 11/04 | $ | 955.90 |
| | NU Sealink & Supply Inc. (NU to QC) - Nov. 12/04 | $ | 82.18 |
| | NU Eastern (NU to QC) -Dec. 31/04 | $ | 257.38 |
| | Manitoulin Transport (QC to SK) - Dec. 31/04 | $ | 254.42 |
| | M & T Enterprises Ltd. - Aug 18/04, loading samples for shipmetn | $ | 579.90 |
| | Peter's Expediting Ltd. - loading samples for shipment | $ | 750.00 |
| Freight (field supplies) | *Portion of frieght cost split with other projects:* Canadian North / First Air / Kivalliq Air / M & T Enterprises / Moosonee Transportation / Keewatin Air Limited / Discovery Mining Sevices / Gardewine North Services | $ | 2,657.61 |

**Churchill Project - Baker Lake**
**2004 Till Sampling Expenditures**
**Shear Minerals Ltd.**

| | | |
|---|---|---|
| Freight (fuel) | *Portion of frieght cost split with other projects:* Kowmuk Freighting / Joe Kaludjak / Moosonee Transportation / Gardewine North Services / Kivalliq Air / Peter's Expediting Ltd. / M & T Enterprises Ltd. | $ 7,613.84 |
| Fuel storage | *Portion of invoices split with other projects:* Government of Nunavut - Leasing of space for fuel storage | $ 177.83 |
| Vehicle rentals and operating expenses | *Portion of vehicle rentals split with other projects:* Aurora Northern Contractors (truck rental, truck repair, fuel) / Nickel City Motors (ATV) / Nunavut Insurance (truck and ATV insurance) / Shell (fuel) | $ 1,628.76 |
| Equipment rentals | *Portion of radios split with other projects:* Glentel: rent of radios, ant., chargers, June 15-Oct 15/04 | $ 156.35 |
| | *Portion of radios split with other projects:* Northern Communication & Navigation Systems - Kenwood TK-760G Base Radio & accessories (Sept. 29/04) | $ 55.69 |
| | *Portion of sat phones split with other projects:* Northern Communication & Navigation Systems - Globalstar sat phone (May 21-July 20/04, Aug 13-Oct14/04) | $ 172.11 |
| Field supplies | *Portion of invoices split with other projects*: Super Poly (sample bags), Umingmak Supply (lumber, plywood, wood lathe, nails, screws, drill bits, gas cans, spray paint, marking paint, tarps, shovels, cable ties, extension cords, electrical tape, oil, surge protector, chain, anitfreeze), Northern (flashlights, ammunition, zip ties, batteries, medical supplies, insect repellant, oil filters, spark plugs, oil, bug jackets, rope), Commercial Solutions (aluminum tags, air photo overlays, geotechnical sand guage, cable ties, hammers, heat stabilizer, signal mirrors, thermal blankets), Services Exploration (field books,markers,flagging), Canadian Containment (8 emergency spill kits), Northern Metalic ( oxygen, 7 cylinders with oxygen, hydraulic fitting, adapter flare and hose), Aurora Northern (100 - 205L fuel drums), Bassett Aviation (100 empty lined drums) | $ 4,145.43 |
| | **Field Related Costs Subtotal** | **$ 192,051.19** |
| **Non Field Related Costs** | | |
| Analytical | SRC 2004 Processing costs = $260/sample x 494 samples | $ 128,440.00 |
| | Microlithics 2004 Processing costs = $260/sample x 24 samples | $ 6,240.00 |
| | SRC 2004 ICP costs = $20/sample x 334 samples | $ 6,680.00 |
| | GDES 2004 Picking Costs = $145/sample x 31 samples | $ 4,495.00 |
| | ODM 2004 Picking Costs = $113/sample x 56 samples | $ 6,328.00 |
| | Samsul Mineacao Ltda 2004 picking costs = $ 125/sample x 333 samples | $ 41,625.00 |
| | KIM Dynamics 2004 picking costs = $105/sample x 9 samples | $ 945.00 |
| | 2004 R.L. Barnett Probe = $13.70/grain x 48 grains | $ 657.60 |
| Office Costs, Data, Maps, Publications | *Portion of invoices split with other projects:* Allstream / Telus (Edmonton long distance and local charges), computer rental, computer program useage, office costs, plotting, office supplies, digitizing/GIS,accounting, management of project (P. Strand, N. Eaton, D. Willy, A. Armstrong), NRCAN, Maptown, GSC Bookstore (topos and publications), warehouse rental for sample storage, construction of sample shipping crates | $ 34,384.95 |
| Communications | *Portion of invoices split with other projects:* Allstream / Telus / Aurora Telenet (Rankin long distance charges), Globalstar (satellite phone charges), Northwestel (Rankin local charges), Aurora Telenet (Satellite earth station-internet) | $ 2,696.14 |
| Report prep / results compilation | Shear Minerals (J. Burgess, S.Yaqzan), APEX Geoscience (J.Tuck, B. Wallis, J. Armstrong, B. Kupsch, R. Mann, J. Kidston, N. van Steenis, P. Whyte, K. Raffle, T. Matveeve, D. Besserer, M. Dufresne, M. Dang) | $ 27,100.00 |
| | **Non-field Related Costs Subtotal** | **$ 259,591.69** |
| | **TOTAL (not incl. GST)** | **$ 494,142.88** |

**Churchill Project - Baker Lake**
**2004 Till Sampling Expenditures**
**Shear Minerals Ltd.**

| | | | |
|---|---|---|---|
| **Cost per sample:** | | | |
| | | Field related costs / Number of samples = Cost per sample | |
| # of till samples = | 518 | | $ 370.76 |
| **Other expenses per permit:** | | | |
| Non field related costs | $ 42,500.00 | | |
| | $ 259,591.69 | | |
| | $ 302,091.69 | | |
| | | Total (other expenses) / # of samples = Cost of other expenses per sample | |
| | | | $ 583.19 |
| | | Total cost per sample | **$ 953.94** |

**Cost per Permit:**

| Permit Number | # of samples | Cost per Permit |
|---|---|---|
| 3653 | 13 | $ 12,401.22 |
| 3654 | 13 | $ 12,401.22 |
| 3655 | 14 | $ 13,355.16 |
| 3656 | 14 | $ 13,355.16 |
| 3657 | 13 | $ 12,401.22 |
| 3658 | 11 | $ 10,493.34 |
| 3659 | 15 | $ 14,309.10 |
| 3660 | 14 | $ 13,355.16 |
| 3661 | 14 | $ 13,355.16 |
| 4824 | 4 | $ 3,815.76 |
| 4825 | 7 | $ 6,677.58 |
| 4826 | 9 | $ 8,585.46 |
| 4827 | 12 | $ 11,447.28 |
| 4836 | 14 | $ 13,355.16 |
| 4837 | 14 | $ 13,355.16 |
| 4838 | 12 | $ 11,447.28 |
| 4839 | 14 | $ 13,355.16 |
| 4840 | 13 | $ 12,401.22 |
| 4841 | 13 | $ 12,401.22 |
| 4842 | 12 | $ 11,447.28 |
| 4843 | 12 | $ 11,447.28 |
| 4844 | 12 | $ 11,447.28 |
| 4845 | 12 | $ 11,447.28 |
| 4846 | 14 | $ 13,355.16 |
| 4847 | 12 | $ 11,447.28 |
| 4848 | 14 | $ 13,355.16 |
| 4849 | 14 | $ 13,355.16 |
| 4850 | 12 | $ 11,447.28 |
| 4851 | 15 | $ 14,309.10 |
| 4852 | 14 | $ 13,355.16 |
| 4853 | 12 | $ 11,447.28 |
| 4854 | 12 | $ 11,447.28 |
| 4855 | 14 | $ 13,355.16 |
| 4856 | 12 | $ 11,447.28 |
| 4857 | 14 | $ 13,355.16 |
| 4858 | 13 | $ 12,401.22 |
| 4859 | 13 | $ 12,401.22 |
| 4860 | 14 | $ 13,355.16 |
| 4861 | 12 | $ 11,447.28 |
| 4862 | 13 | $ 12,401.22 |
| 4863 | 13 | $ 12,401.22 |
| | **518** | **$ 494,142.88** |

**Churchill Project - Baker Lake**
**2004 Till Sampling Expenditures**
**Shear Minerals Ltd.**

| | | | |
|---|---|---|---|
| **2004 Till Sampling** | | | |
| | | | |
| **Salary/Wages** | | | |
| Field personnel | Apex Personnel (656 hours) | | $ 25,450.00 |
| | Rankin Local Personnel (264 hours) | | $ 8,250.00 |
| | Burgess Diamonds - J. Burgess (128 hours) | | $ 8,800.00 |
| | | **Salary/Wages subtotal** | **$ 42,500.00** |
| | | | |
| **Field Related Costs** | | | |
| Helicopter | Flight Charges (Hughes 500, $815/hr x 90.28 hours) | | $ 73,578.20 |
| | Flight Charges (EC120B, $1025/hr x 24.96 hours) | | $ 25,584.00 |
| | Fuel Charges (Churchill Marine Tank Farm Jet-A $270.56 / drum) 99.93 drums | | $ 27,037.06 |
| Fixed Wing | Flight charges (Arctic Sunwest - $8.45/stat. mile) | | $ 5,614.40 |
| | fuel charges (Artic Sunwest Jet-A - $0.9639 / Litre) | | $ 1,120.76 |
| Accomodation | *Portion of accomodation split with other projects:* Carmen Ikuutaq and Johnny Qaqimat (Baker Lake House rental) / Richard Shushack (cook and first aid - Baker) / Aurora Northern Contractors (Rankin House Rental, cooking, cleaning) / Chateau Nova (Yellowknife hotel to Rankin for all staff) / Sitittco Energy Ltd., Petroleum Products Division (fuel for house) / Nunavut Power Corporation (power bill for house) / 4053010 Manitoba Inc. (rental of Warehouse, utilities) | | $ 14,229.80 |
| Food | *Portion of food split with other projects:* Rankin Inlet Northern | | $ 3,499.35 |
| | *Portion of food split with other projects:* Sysco | | $ 579.48 |
| Travel and related costs | *Portion of airfare split with other projects:* D. Besserer-Canadian North (June 23/04 Calgary-Rankin); J. Armstrong-Can Nor (June 21/04 Ed-Rank, July 21/04 return); J. Burgess-Can Nor (June 21/04 Ed-Rank); J. Tuck-Can Nor (June21/04 Ed-Rank)/First Air (June 23/04 Rank-Ed)/Can. Nor. (June 28/04, Ed-Rank,return July7/04)/Can. Nor. (Aug 25/04 Rank.-Ed)/Can. Nor. (Sept 8/04 Ed-Rank)/First Air (Oct 19/04 Rank-Ed); P. Whyte-Can Nor (June 14/04 Ed-Rank)/First Air (July 8/04 Rank-Ed)/Can Nor (July 19/04 Ed-Rank, return Sept 8/04)/Can Nor (Sept 20/04 Ed-Rank)/First Air (Oct 15/04 Rank-Ed); J. Kidston-Jetsgo (June 23/04 Halifax-Winnepeg)/Calm Air (June 23/04 Winn-Rank)/Calm Air (July23/04 Rank-Winn)/West Jet (July 23/04 Winn-Hal); K. Belshaw-Can Nor (June 16/04 Rank-Ed)/Can Nor (June 21/04 Ed-Rank)/First Air (July 28/04 Rank-Ed, return Aug 9/04)/Can Nor (Aug 30/04 Rank-Ed); S. McCraken-Can Nor (July 5/04 Ed-Rank, Aug 30/04 return); Kivalliq Air - June 4/04 charter-transport till crew Rank,YK-RI-Baker | | $ 8,838.00 |
| Freight (samples) | Kivalliq Air (Baker Lake-Rankin) - July 11,26,28,30/04, Aug 3,26/04, Sept 6/04 | | $ 3,779.00 |
| | Skyward Aviation Ltd. (Rankin-Churchill) - July 6,31/04, Aug. 01/04 | | $ 6,988.66 |
| | Gardewin Transport (Churchill to SK/ON) - Aug. 4/04, Sept. 04/04, Dec. 31/04 | | $ 1,476.11 |
| | First Air (NU-SK) - Aug. 31/04 | | $ 238.97 |
| | Canadian North (NU-SK) - Nov. 11/04 | | $ 955.90 |
| | NU Sealink & Supply Inc. (NU to QC) - Nov. 12/04 | | $ 82.18 |
| | NU Eastern (NU to QC) -Dec. 31/04 | | $ 257.38 |
| | Manitoulin Transport (QC to SK) - Dec. 31/04 | | $ 254.42 |
| | M & T Enterprises Ltd. - Aug 18/04, loading samples for shipmetn | | $ 579.90 |
| | Peter's Expediting Ltd. - loading samples for shipment | | $ 750.00 |
| Freight (field supplies) | *Portion of frieght cost split with other projects:* Canadian North / First Air / Kivalliq Air / M & T Enterprises / Moosonee Transportation / Keewatin Air Limited / Discovery Mining Sevices / Gardewine North Services | | $ 2,657.61 |

**Churchill Project - Baker Lake**
**2004 Till Sampling Expenditures**
**Shear Minerals Ltd.**

| | | |
|---|---|---|
| Freight (fuel) | *Portion of frieght cost split with other projects:* Kowmuk Freighting / Joe Kaludjak / Moosonee Transportation / Gardewine North Services / Kivalliq Air / Peter's Expediting Ltd. / M & T Enterprises Ltd. | $ 7,613.84 |
| Fuel storage | *Portion of invoices split with other projects:* Government of Nunavut - Leasing of space for fuel storage | $ 177.83 |
| Vehicle rentals and operating expenses | *Portion of vehicle rentals split with other projects:* Aurora Northern Contractors (truck rental, truck repair, fuel) / Nickel City Motors (ATV) / Nunavut Insurance (truck and ATV insurance) / Shell (fuel) | $ 1,628.76 |
| Equipment rentals | *Portion of radios split with other projects:* Glentel: rent of radios, ant., chargers, June 15-Oct 15/04 | $ 156.35 |
| | *Portion of radios split with other projects:* Northern Communication & Navigation Systems - Kenwood TK-760G Base Radio & accessories (Sept. 29/04) | $ 55.69 |
| | *Portion of sat phones split with other projects:* Northern Communication & Navigation Systems - Globalstar sat phone (May 21-July 20/04, Aug 13-Oct14/04) | $ 172.11 |
| Field supplies | *Portion of invoices split with other projects*: Super Poly (sample bags), Umingmak Supply (lumber, plywood, wood lathe, nails, screws, drill bits, gas cans, spray paint, marking paint, tarps, shovels, cable ties, extension cords, electrical tape, oil, surge protector, chain, anitfreeze), Northern (flashlights, ammunition, zip ties, batteries, medical supplies, insect repellant, oil filters, spark plugs, oil, bug jackets, rope), Commercial Solutions (aluminum tags, air photo overlays, geotechnical sand guage, cable ties, hammers, heat stabilizer, signal mirrors, thermal blankets), Services Exploration (field books,markers,flagging), Canadian Containment (8 emergency spill kits), Northern Metalic ( oxygen, 7 cylinders with oxygen, hydraulic fitting, adapter flare and hose), Aurora Northern (100 - 205L fuel drums), Bassett Aviation (100 empty lined drums) | $ 4,145.43 |
| | **Field Related Costs Subtotal** | **$ 192,051.19** |
| **Non Field Related Costs** | | |
| Analytical | SRC 2004 Processing costs = $260/sample x 494 samples | $ 128,440.00 |
| | Microlithics 2004 Processing costs = $260/sample x 24 samples | $ 6,240.00 |
| | SRC 2004 ICP costs = $20/sample x 334 samples | $ 6,680.00 |
| | GDES 2004 Picking Costs = $145/sample x 31 samples | $ 4,495.00 |
| | ODM 2004 Picking Costs = $113/sample x 56 samples | $ 6,328.00 |
| | Samsul Mineacao Ltda 2004 picking costs = $ 125/sample x 333 samples | $ 41,625.00 |
| | KIM Dynamics 2004 picking costs = $105/sample x 9 samples | $ 945.00 |
| | 2004 R.L. Barnett Probe = $13.70/grain x 48 grains | $ 657.60 |
| Office Costs, Data, Maps, Publications | *Portion of invoices split with other projects:* Allstream / Telus (Edmonton long distance and local charges), computer rental, computer program useage, office costs, plotting, office supplies, digitizing/GIS,accounting, management of project (P. Strand, N. Eaton, D. Willy, A. Armstrong), NRCAN, Maptown, GSC Bookstore (topos and publications), warehouse rental for sample storage, construction of sample shipping crates | $ 34,384.95 |
| Communications | *Portion of invoices split with other projects:* Allstream / Telus / Aurora Telenet (Rankin long distance charges), Globalstar (satellite phone charges), Northwestel (Rankin local charges), Aurora Telenet (Satellite earth station-internet) | $ 2,696.14 |
| Report prep / results compilation | Shear Minerals (J. Burgess, S.Yaqzan), APEX Geoscience (J.Tuck, B. Wallis, J. Armstrong, B. Kupsch, R. Mann, J. Kidston, N. van Steenis, P. Whyte, K. Raffle, T. Matveeve, D. Besserer, M. Dufresne, M. Dang) | $ 27,100.00 |
| | **Non-field Related Costs Subtotal** | **$ 259,591.69** |
| | **TOTAL (not incl. GST)** | **$ 494,142.88** |

**Churchill Project - Baker Lake**
**2004 Till Sampling Expenditures**
**Shear Minerals Ltd.**

| | | | |
|---|---|---|---|
| **Cost per sample:** | | | |
| | | Field related costs / Number of samples = Cost per sample | |
| # of till samples = | 518 | | $ 370.76 |
| **Other expenses per permit:** | | | |
| Non field related costs | $ 42,500.00 | | |
| | $ 259,591.69 | | |
| | $ 302,091.69 | | |
| | | Total (other expenses) / # of samples = Cost of other expenses per sample | |
| | | | $ 583.19 |
| | | Total cost per sample | **$ 953.94** |

**Cost per Permit:**

| Permit Number | # of samples | Cost per Permit |
|---|---|---|
| 3653 | 13 | $ 12,401.22 |
| 3654 | 13 | $ 12,401.22 |
| 3655 | 14 | $ 13,355.16 |
| 3656 | 14 | $ 13,355.16 |
| 3657 | 13 | $ 12,401.22 |
| 3658 | 11 | $ 10,493.34 |
| 3659 | 15 | $ 14,309.10 |
| 3660 | 14 | $ 13,355.16 |
| 3661 | 14 | $ 13,355.16 |
| 4824 | 4 | $ 3,815.76 |
| 4825 | 7 | $ 6,677.58 |
| 4826 | 9 | $ 8,585.46 |
| 4827 | 12 | $ 11,447.28 |
| 4836 | 14 | $ 13,355.16 |
| 4837 | 14 | $ 13,355.16 |
| 4838 | 12 | $ 11,447.28 |
| 4839 | 14 | $ 13,355.16 |
| 4840 | 13 | $ 12,401.22 |
| 4841 | 13 | $ 12,401.22 |
| 4842 | 12 | $ 11,447.28 |
| 4843 | 12 | $ 11,447.28 |
| 4844 | 12 | $ 11,447.28 |
| 4845 | 12 | $ 11,447.28 |
| 4846 | 14 | $ 13,355.16 |
| 4847 | 12 | $ 11,447.28 |
| 4848 | 14 | $ 13,355.16 |
| 4849 | 14 | $ 13,355.16 |
| 4850 | 12 | $ 11,447.28 |
| 4851 | 15 | $ 14,309.10 |
| 4852 | 14 | $ 13,355.16 |
| 4853 | 12 | $ 11,447.28 |
| 4854 | 12 | $ 11,447.28 |
| 4855 | 14 | $ 13,355.16 |
| 4856 | 12 | $ 11,447.28 |
| 4857 | 14 | $ 13,355.16 |
| 4858 | 13 | $ 12,401.22 |
| 4859 | 13 | $ 12,401.22 |
| 4860 | 14 | $ 13,355.16 |
| 4861 | 12 | $ 11,447.28 |
| 4862 | 13 | $ 12,401.22 |
| 4863 | 13 | $ 12,401.22 |
| | **518** | **$ 494,142.88** |

# APPENDIX 4b

# 2004 BHPB Charges

**Churchill Project**
**2003 Probe Expenditures**
**Shear Minerals Ltd.**

**2000-2001 BHP Till Samples**

| Costs | | | |
|---|---|---|---|
| Field and analytical | BHP charge for till sample data | $ | 9,648.39 |
| | **TOTAL (not incl. GST)** | $ | 9,648.39 |

**# of samples = 19**

**Cost per sample = $ 507.81**

**cost per permit:**

| permit number | number of samples | cost per permit |
|---|---|---|
| 3653 | 0 | $ - |
| 3654 | 0 | $ - |
| 3655 | 0 | $ - |
| 3656 | 0 | $ - |
| 3657 | 1 | $ 507.81 |
| 3658 | 3 | $ 1,523.43 |
| 3659 | 0 | $ - |
| 3660 | 0 | $ - |
| 3661 | 0 | $ - |
| 4824 | 0 | $ - |
| 4825 | 0 | $ - |
| 4826 | 1 | $ 507.81 |
| 4827 | 1 | $ 507.81 |
| 4836 | 0 | $ - |
| 4837 | 0 | $ - |
| 4838 | 1 | $ 507.81 |
| 4839 | 0 | $ - |
| 4840 | 0 | $ - |
| 4841 | 0 | $ - |
| 4842 | 2 | $ 1,015.62 |
| 4843 | 1 | $ 507.81 |
| 4844 | 2 | $ 1,015.62 |
| 4845 | 1 | $ 507.81 |
| 4846 | 0 | $ - |
| 4847 | 1 | $ 507.81 |
| 4848 | 0 | $ - |
| 4849 | 0 | $ - |
| 4850 | 1 | $ 507.81 |
| 4851 | 0 | $ - |
| 4852 | 0 | $ - |
| 4853 | 2 | $ 1,015.62 |
| 4854 | 1 | $ 507.81 |
| 4855 | 0 | $ - |
| 4856 | 1 | $ 507.81 |
| 4857 | 0 | $ - |
| 4858 | 0 | $ - |
| 4859 | 0 | $ - |
| 4860 | 0 | $ - |
| 4861 | 0 | $ - |
| 4862 | 0 | $ - |
| 4863 | 0 | $ - |
| | **19** | **$ 9,648.39** |

# APPENDIX 4c

## Baker Expenditures per permit

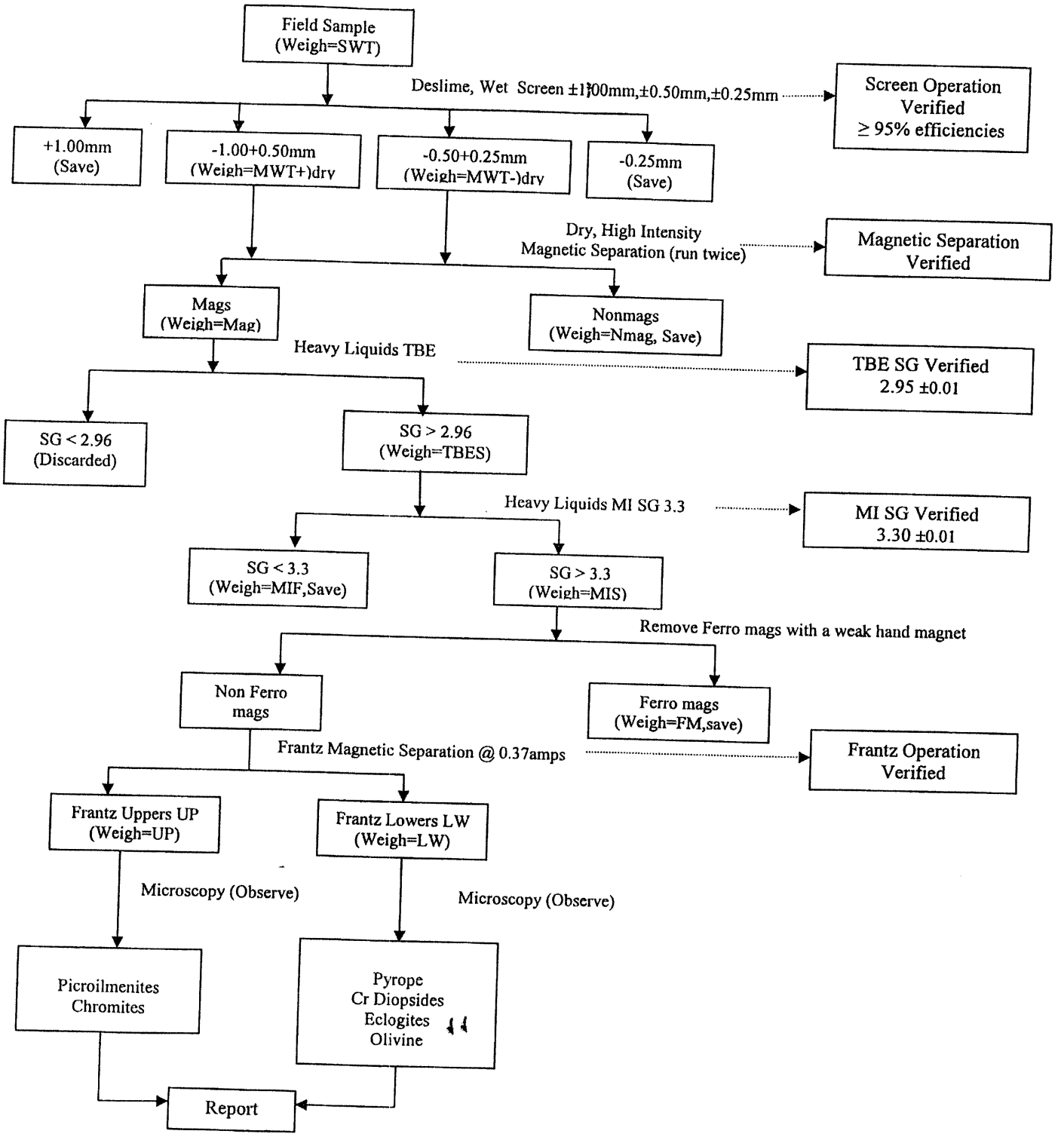
**Cost per Permit:**

| Permit Number | BHP Collected | | Shear Collected | | Total |
|---|---|---|---|---|---|
| | Till Samples | Cost per Permit | Till Samples | Cost per Permit | Cost Per Permit |
| **3653** | 0 | $ - | 13 | $ 12,401.22 | $ 12,401.22 |
| **3654** | 0 | $ - | 13 | $ 12,401.22 | $ 12,401.22 |
| **3655** | 0 | $ - | 14 | $ 13,355.16 | $ 13,355.16 |
| **3656** | 0 | $ - | 14 | $ 13,355.16 | $ 13,355.16 |
| **3657** | 1 | $ 507.81 | 13 | $ 12,401.22 | $ 12,909.03 |
| **3658** | 3 | $ 1,523.43 | 11 | $ 10,493.34 | $ 12,016.77 |
| **3659** | 0 | $ - | 15 | $ 14,309.10 | $ 14,309.10 |
| **3660** | 0 | $ - | 14 | $ 13,355.16 | $ 13,355.16 |
| **3661** | 0 | $ - | 14 | $ 13,355.16 | $ 13,355.16 |
| **4824** | 0 | $ - | 4 | $ 3,815.76 | $ 3,815.76 |
| **4825** | 0 | $ - | 7 | $ 6,677.58 | $ 6,677.58 |
| **4826** | 1 | $ 507.81 | 9 | $ 8,585.46 | $ 9,093.27 |
| **4827** | 1 | $ 507.81 | 12 | $ 11,447.28 | $ 11,955.09 |
| **4836** | 0 | $ - | 14 | $ 13,355.16 | $ 13,355.16 |
| **4837** | 0 | $ - | 14 | $ 13,355.16 | $ 13,355.16 |
| **4838** | 1 | $ 507.81 | 12 | $ 11,447.28 | $ 11,955.09 |
| **4839** | 0 | $ - | 14 | $ 13,355.16 | $ 13,355.16 |
| **4840** | 0 | $ - | 13 | $ 12,401.22 | $ 12,401.22 |
| **4841** | 0 | $ - | 13 | $ 12,401.22 | $ 12,401.22 |
| **4842** | 2 | $ 1,015.62 | 12 | $ 11,447.28 | $ 12,462.90 |
| **4843** | 1 | $ 507.81 | 12 | $ 11,447.28 | $ 11,955.09 |
| **4844** | 2 | $ 1,015.62 | 12 | $ 11,447.28 | $ 12,462.90 |
| **4845** | 1 | $ 507.81 | 12 | $ 11,447.28 | $ 11,955.09 |
| **4846** | 0 | $ - | 14 | $ 13,355.16 | $ 13,355.16 |
| **4847** | 1 | $ 507.81 | 12 | $ 11,447.28 | $ 11,955.09 |
| **4848** | 0 | $ - | 14 | $ 13,355.16 | $ 13,355.16 |
| **4849** | 0 | $ - | 14 | $ 13,355.16 | $ 13,355.16 |
| **4850** | 1 | $ 507.81 | 12 | $ 11,447.28 | $ 11,955.09 |
| **4851** | 0 | $ - | 15 | $ 14,309.10 | $ 14,309.10 |
| **4852** | 0 | $ - | 14 | $ 13,355.16 | $ 13,355.16 |
| **4853** | 2 | $ 1,015.62 | 12 | $ 11,447.28 | $ 12,462.90 |
| **4854** | 1 | $ 507.81 | 12 | $ 11,447.28 | $ 11,955.09 |
| **4855** | 0 | $ - | 14 | $ 13,355.16 | $ 13,355.16 |
| **4856** | 1 | $ 507.81 | 12 | $ 11,447.28 | $ 11,955.09 |
| **4857** | 0 | $ - | 14 | $ 13,355.16 | $ 13,355.16 |
| **4858** | 0 | $ - | 13 | $ 12,401.22 | $ 12,401.22 |
| **4859** | 0 | $ - | 13 | $ 12,401.22 | $ 12,401.22 |
| **4860** | 0 | $ - | 14 | $ 13,355.16 | $ 13,355.16 |
| **4861** | 0 | $ - | 12 | $ 11,447.28 | $ 11,447.28 |
| **4862** | 0 | $ - | 13 | $ 12,401.22 | $ 12,401.22 |
| **4863** | 0 | $ - | 13 | $ 12,401.22 | $ 12,401.22 |
| | **19** | **$ 9,648.39** | **518** | **$ 494,142.88** | **$ 503,789.31** |

# APPENDIX 5

## SRC Processing Flowsheet

# Kimberlite Indicators- Apex-Tills - 2004



# APPENDIX 6

## Picked Results

# APPENDIX 6a
# SRC Picked Samples

Summary Picked Results SRC

| Sample | EASTING | NORTHING | ECL_ Total | CPX_Total | OLV_ Total | ILM_ Total | CHR_ Total | Total_ KIMS | Total_ Kims_ noOl | Pyr_05_ 1mm | Ecl_05_1mm | Cpx_05_1mm | Ilm_05_1mm | Chr_05_1mm | Olv_05_1mm | Pyr_025_05mm | Ecl_025_05mm | Cpx_025_05mm | Ilm_025_05mm | Chr_025_05mm | Olv_025_05mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST437 | 416406 | 7041424 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | | | | | | | | | | | | |
| 04JST468 | 386862 | 7062345 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST444 | 362494 | 7070878 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST436 | 402926 | 7020116 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST443 | 356617 | 7071805 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | | | | | | | | | | | | |
| 04JST451 | 356640 | 7059077 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | | | | | | | | | | | | |
| 04JST449 | 353940 | 7066033 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST447 | 358947 | 7068450 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST438 | 418257 | 7040020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST414 | 418322 | 7022905 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST428 | 412326 | 7027812 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | | | | | | | | | | | | |
| 04JST426 | 403403 | 7025808 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST427 | 406632 | 7026557 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST425 | 401346 | 7024404 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST418 | 419812 | 7019074 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | | | | | | | | | | | | |
| 04JST474 | 379649 | 7064020 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | | | | | | | | | | | | |
| 04JST412 | 413888 | 7026021 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | | | | | | | | | | | | |
| 04JST476 | 380328 | 7067142 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST445 | 362511 | 7065876 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | | | | | | | | | | | | |
| 04JST419 | 422301 | 7019281 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST473 | 382718 | 7062730 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST439 | 422242 | 7039048 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST446 | 361412 | 7067174 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST440 | 424139 | 7037548 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST448 | 358882 | 7065983 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | | | | | | | | | | | | |
| 04JST441 | 420387 | 7035246 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST464 | 375353 | 7059964 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | | | | | | | | | | | | |
| 04JST413 | 415038 | 7022174 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST480 | 398232 | 7052980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST401 | 382238 | 7098228 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST387 | 391919 | 7096706 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST400 | 389329 | 7086683 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST378 | 412343 | 7092715 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST402 | 385456 | 7096003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |

Summary Picked Results SRC

| Sample | EASTING | NORTHING | ECL_ Total | CPX_Total | OLV_ Total | ILM_ Total | CHR_ Total | Total_ KIMS | Total_ Kims_ noOl | Pyr_05_ 1mm | Ecl_05_1mm | Cpx_05_1mm | Ilm_05_1mm | Chr_05_1mm | Olv_05_1mm | Pyr_025_05mm | Ecl_025_05mm | Cpx_025_05mm | Ilm_025_05mm | Chr_025_05mm | Olv_025_05mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST408 | 378790 | 7090310 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST391 | 400934 | 7095286 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST477 | 389877 | 7054786 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST483 | 390966 | 7050060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST481 | 398385 | 7050376 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST403 | 389082 | 7097427 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST383 | 407148 | 7086110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST406 | 384778 | 7087871 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST393 | 397966 | 7092641 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST409 | 380073 | 7091893 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST377 | 413929 | 7096998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST482 | 393796 | 7050539 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST389 | 401248 | 7097400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST536 | 371926 | 7042504 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST407 | 380989 | 7087865 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST405 | 388192 | 7089894 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST537 | 367899 | 7040682 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST411 | 379693 | 7094328 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST394 | 394959 | 7092909 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST404 | 389320 | 7095426 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST397 | 400236 | 7087311 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST479 | 394605 | 7054007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST399 | 394220 | 7088380 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST376 | 409856 | 7095225 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST478 | 395259 | 7056637 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST385 | 412540 | 7085124 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST382 | 405835 | 7088238 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST398 | 397646 | 7086418 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | |
| 04JST631 | 398151 | 6988951 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST645 | 393564 | 6997943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST649 | 392887 | 6993366 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST650 | 393432 | 6990060 | 0 | 1 | 3 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| 04JST659 | 388999 | 6987779 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Summary Picked Results SRC

| Sample | EASTING | NORTHING | ECL_ Total | CPX_Total | OLV_ Total | ILM_ Total | CHR_ Total | Total_ KIMS | Total_ Kims_ noOl | Pyr_05_ 1mm | Ecl_05_1mm | Cpx_05_1mm | Ilm_05_1mm | Chr_05_1mm | Olv_05_1mm | Pyr_025_05mm | Ecl_025_05mm | Cpx_025_05mm | Ilm_025_05mm | Chr_025_05mm | Olv_025_05mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT584 | 383412 | 6999084 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04SHT585 | 379596 | 6998833 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 04SHT590 | 383507 | 6996715 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT592 | 372725 | 6983484 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT593 | 369467 | 6977937 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04SHT597 | 349438 | 6980105 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.32/99653F
Samples: 73

**SRC Geoanalytical Laboratories**
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Report No: 04-729
Date: February 02, 2005

## Kimberlite Indicator Minerals

Column Header Details

Original Sample Weight in kilograms (SWT)
Mid Fraction -1.00+0.50MM Dry Weight in grams (MWT+)
Mid Fraction -0.50+0.25MM Dry Weight in grams (MWT-)
Permroll Mag -1.00+0.50MM Weight in grams (MAG+)
Permroll Mag -0.50+0.25MM Weight in grams (MAG-)

Permroll Non Mag -1.00+0.50MM Weight in grams (NMAG+)
Permroll Non Mag -0.50+0.25MM Weight in grams (NMAG-)
TBE Sinks SG>2.96 -1.00+0.50MM Weight in grams (TBES+)
TBE Sinks SG>2.96 -0.50+0.25MM Weight in grams (TBES-)
MI Floats SG<3.3 -1.00+0.50MM Weight in grams (MIF+)

MI Floats SG<3.3 -0.50+0.25MM Weight in grams (MIF-)
MI Sinks SG>3.3 -1.00+0.50MM Weight in grams (MIS+)
MI Sinks SG>3.3 -0.50+0.25MM Weight in grams (MIS-)
Ferro Mags -1.00+0.50mm Weight in grams (FM+)
Ferro Mags -0.50+0.25mm Weight in grams (FM-)

Frantz Upper -1.00+0.50mm Weight in grams (UP+)
Frantz Upper -0.50+0.25mm Weight in grams (UP-)
Frantz Lowers -1.00+0.50mm Weight in grams (LW+)
Frantz Lowers -0.50+0.25mm Weight in grams (LW-)

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.32/99653F
Samples: 73

Report No: 04-729
Date: February 02, 2005

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04CLT146 | 19.75 | 1312 | 2557 | 354 | 507 | 959 | 2048 | 24.06 | 48.81 | 21.44 | 36.33 | 2.61 | 12.35 | 0.48 |
| 04CLT147 | 20.95 | 1396 | 2824 | 390 | 666 | 1008 | 2161 | 25.41 | 58.41 | 22.56 | 41.43 | 2.83 | 16.85 | 0.56 |
| 04CLT148 | 19.20 | 976 | 1995 | 252 | 400 | 725 | 1596 | 18.96 | 39.78 | 17.04 | 29.49 | 1.87 | 10.18 | 0.42 |
| 04CLT149 | 21.55 | 1903 | 3181 | 463 | 659 | 1443 | 2518 | 35.48 | 80.75 | 28.92 | 43.63 | 6.51 | 36.97 | 1.16 |
| 04CLT150 | 23.25 | 1294 | 2633 | 348 | 507 | 948 | 2124 | 21.02 | 46.76 | 18.79 | 33.87 | 2.20 | 12.75 | 0.39 |
| 04CLT152 | 19.05 | 843 | 1853 | 225 | 397 | 619 | 1458 | 14.79 | 38.14 | 13.20 | 26.80 | 1.57 | 11.24 | 0.30 |
| 04CLT153 | 19.15 | 341 | 1120 | 79 | 188 | 264 | 934 | 4.13 | 9.58 | 3.91 | 8.01 | 0.22 | 1.49 | ~ |
| 04CLT154 | 17.45 | 1131 | 1933 | 293 | 403 | 841 | 1533 | 23.11 | 44.36 | 20.93 | 33.34 | 2.16 | 10.89 | 0.63 |
| 04JST665 | 19.50 | 1378 | 2664 | 392 | 654 | 987 | 2010 | 24.17 | 54.23 | 21.70 | 39.53 | 2.44 | 14.55 | 0.66 |
| 04JST673 | 20.00 | 1255 | 2471 | 328 | 527 | 929 | 1947 | 33.14 | 65.20 | 30.54 | 49.44 | 2.55 | 15.65 | 0.57 |
| 04JST675 | 20.20 | 1123 | 2121 | 302 | 450 | 824 | 1675 | 28.67 | 56.32 | 26.27 | 44.73 | 2.39 | 11.43 | 0.58 |
| 04JST678 | 17.25 | 923 | 1774 | 238 | 375 | 688 | 1401 | 15.70 | 32.83 | 14.23 | 23.87 | 1.46 | 8.84 | 0.28 |
| 04JST679 | 19.00 | 1222 | 2312 | 343 | 493 | 880 | 1810 | 31.60 | 72.19 | 29.35 | 61.16 | 2.22 | 10.86 | 0.46 |
| 04JST680 | 21.05 | 1063 | 2056 | 257 | 403 | 803 | 1652 | 17.60 | 38.92 | 15.66 | 27.94 | 1.93 | 10.89 | 0.50 |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| 04SHT622 | 15.20 | 1030 | 1781 | 264 | 354 | 763 | 1427 | 22.40 | 44.07 | 18.60 | 28.52 | 3.77 | 15.38 | 0.62 |
| 04SHT623 | 16.45 | 1028 | 1996 | 237 | 362 | 781 | 1631 | 14.02 | 31.38 | 12.20 | 21.77 | 1.81 | 9.49 | 0.24 |
| 04SHT624 | 11.80 | 2714 | 2269 | 618 | 453 | 2100 | 1813 | 50.38 | 68.37 | 44.65 | 52.25 | 5.66 | 15.91 | 0.82 |
| 04SHT628 | 16.20 | 1022 | 1906 | 281 | 390 | 737 | 1512 | 19.99 | 37.96 | 18.07 | 29.01 | 1.90 | 8.82 | 0.41 |
| 04SHT629 | 15.70 | 956 | 1812 | 257 | 432 | 695 | 1376 | 22.84 | 44.61 | 20.82 | 34.81 | 2.00 | 9.66 | 0.42 |
| 04SHT630 | 14.95 | 995 | 1940 | 234 | 360 | 757 | 1576 | 20.48 | 43.72 | 18.27 | 33.11 | 2.13 | 10.46 | 0.34 |
| 04SHT632 | 15.65 | 1245 | 2393 | 303 | 445 | 933 | 1943 | 20.90 | 40.12 | 18.37 | 29.13 | 2.50 | 10.85 | 0.32 |
| 04SHT633 | 13.75 | 1078 | 2237 | 246 | 339 | 831 | 1893 | 12.69 | 29.93 | 11.64 | 24.38 | 1.04 | 5.46 | 0.17 |
| 04SHT635 | 17.90 | 916 | 2031 | 222 | 343 | 690 | 1671 | 17.80 | 35.20 | 16.17 | 26.75 | 1.61 | 8.23 | 0.31 |
| 04SHT636 | 15.70 | 779 | 1787 | 195 | 329 | 581 | 1454 | 11.41 | 27.51 | 9.94 | 19.22 | 1.45 | 8.16 | 0.29 |
| 04SHT637 | 16.10 | 1258 | 2105 | 320 | 357 | 931 | 1745 | 26.57 | 42.46 | 24.09 | 34.04 | 2.47 | 7.85 | 0.38 |
| 04SHT638 | 16.50 | 962 | 2257 | 239 | 373 | 719 | 1880 | 17.22 | 39.86 | 15.56 | 29.80 | 1.61 | 10.26 | 0.32 |
| 04SHT639 | 14.60 | 1047 | 2143 | 271 | 475 | 773 | 1664 | 21.94 | 45.73 | 19.98 | 33.85 | 1.97 | 11.79 | 0.45 |
| 04SHT640 | 15.15 | 3607 | 3145 | 858 | 645 | 2742 | 2497 | 63.85 | 85.79 | 58.89 | 72.48 | 4.97 | 13.16 | 0.94 |
| 04SHT641 | 14.65 | 3004 | 2902 | 709 | 551 | 2291 | 2348 | 26.10 | 61.02 | 23.84 | 36.73 | 2.25 | 24.16 | 0.43 |
| 04SHT642 | 17.95 | 1130 | 2619 | 278 | 450 | 848 | 2162 | 16.54 | 34.62 | 14.57 | 23.46 | 1.97 | 11.03 | 0.36 |
| 04SHT643 | 18.35 | 1262 | 2657 | 303 | 458 | 955 | 2194 | 19.44 | 38.39 | 17.08 | 25.32 | 2.36 | 12.86 | 0.42 |
| 04SHT644 | 20.35 | 2350 | 4534 | 506 | 820 | 1833 | 3708 | 35.41 | 70.38 | 31.55 | 50.10 | 3.89 | 20.15 | 0.73 |
| 04SHT645 | 14.25 | 884 | 1843 | 236 | 322 | 645 | 1517 | 19.91 | 37.86 | 18.33 | 29.29 | 1.55 | 8.41 | 0.29 |
| [redacted] | | | | | | | | | | | | | | 0.74 |

**Shear Minerals Ltd.**
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Samples: 73

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Report No: 04-729
Date: February 02, 2005

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | 20.25 | 1390 | 2054 | 208 | 340 | 1170 | 2631 | 22.01 | 58.02 | 19.41 | 39.42 | 2.57 | 19.22 | [redacted] |
| [redacted] | 19.20 | 1861 | 2442 | 228 | 345 | 1520 | 2097 | 53.29 | 92.74 | 47.24 | 60.54 | 5.00 | 22.04 | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | 18.90 | 529 | 1315 | 176 | 290 | 347 | 1021 | 19.80 | 34.35 | 17.91 | 29.11 | 0.91 | 5.15 | [redacted] |
| [redacted] | 17.20 | 992 | 1546 | 209 | 490 | 491 | 1053 | 26.10 | 49.62 | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
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| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
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| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
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| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
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| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
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| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |

**SRC Geoanalytical Laboratories**
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.32/99653F
Samples: 73

Report No: 04-729
Date: February 02, 2005

## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g |
|---|---|---|---|---|---|
| 04CLT146 | 2.15 | ~ | 9.18 | 2.12 | 1.00 |
| 04CLT147 | 2.95 | ~ | 10.32 | 2.26 | 3.56 |
| 04CLT148 | 2.01 | ~ | 6.29 | 1.43 | 1.83 |
| 04CLT149 | 5.72 | 4.73 | 24.44 | 0.59 | 6.77 |
| 04CLT150 | 2.93 | ~ | 7.69 | 1.80 | 2.10 |
| 04CLT152 | 1.95 | ~ | 7.23 | 1.26 | 2.03 |
| 04CLT153 | 0.20 | ~ | ~ | 0.21 | 1.27 |
| 04CLT154 | 2.24 | ~ | 6.70 | 1.52 | 1.91 |
| 04JST665 | 2.84 | ~ | 9.32 | 1.78 | 2.35 |
| 04JST673 | 2.44 | ~ | 11.46 | 1.98 | 1.70 |
| 04JST675 | 2.22 | ~ | 7.23 | 1.80 | 1.95 |
| 04JST678 | 1.62 | ~ | 5.30 | 1.18 | 1.90 |
| 04JST679 | 1.98 | ~ | 7.04 | 1.76 | 1.82 |
| 04JST680 | 2.40 | ~ | 6.90 | 1.42 | 1.56 |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted]HT622 | 2.66 | ~ | 10.37 | 3.15 | 2.361 |
| 04SHT623 | 1.30 | ~ | 6.51 | 1.57 | 1.66 |
| 04SHT624 | 2.53 | 4.02 | 9.84 | 0.82 | 3.49 |
| 04SHT628 | 1.60 | ~ | 5.60 | 1.50 | 1.60 |
| 04SHT629 | 1.98 | ~ | 6.17 | 1.58 | 1.46 |
| 04SHT630 | 1.32 | ~ | 8.22 | 1.79 | 0.87 |
| 04SHT632 | 1.75 | ~ | 8.50 | 2.17 | 0.58 |
| 04SHT633 | 0.94 | ~ | 3.41 | 0.87 | 1.07 |
| 04SHT635 | 1.48 | ~ | 5.33 | 1.30 | 1.37 |
| 04SHT636 | 1.51 | ~ | 6.11 | 1.16 | 0.56 |
| 04SHT637 | 1.17 | ~ | 5.32 | 2.08 | 1.33 |
| 04SHT638 | 1.70 | ~ | 7.54 | 1.27 | 1.01 |
| 04SHT639 | 1.75 | ~ | 9.03 | 1.55 | 1.01 |
| 04SHT640 | 2.22 | 3.35 | 7.96 | 0.67 | 2.98 |
| 04SHT641 | 3.83 | ~ | 18.94 | 1.73 | 1.36 |
| 04SHT642 | 1.35 | ~ | 8.33 | 1.63 | 1.37 |
| 04SHT643 | 2.07 | ~ | 8.63 | 1.94 | 2.13 |
| 04SHT644 | 3.04 | ~ | 15.12 | 3.15 | 1.94 |
| 04SHT645 | 1.49 | ~ | 6.20 | 1.27 | 0.74 |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.25/99653F
Samples: 89

Report No: 04-644
Date: March 14, 2005

## Kimberlite Indicator Minerals

Column Header Details

Original Sample Weight in kilograms (SWT)
Mid Fraction -1.00+0.50MM Dry Weight in grams (MWT+)
Mid Fraction -0.50+0.25MM Dry Weight in grams (MWT-)
Permroll Mag -1.00+0.50MM Weight in grams (MAG+)
Permroll Mag -0.50+0.25MM Weight in grams (MAG-)

Permroll Non Mag -1.00+0.50MM Weight in grams (NMAG+)
Permroll Non Mag -0.50+0.25MM Weight in grams (NMAG-)
TBE Sinks SG>2.96 -1.00+0.50MM Weight in grams (TBES+)
TBE Sinks SG>2.96 -0.50+0.25MM Weight in grams (TBES-)
MI Floats SG<3.3 -1.00+0.50MM Weight in grams (MIF+)

MI Floats SG<3.3 -0.50+0.25MM Weight in grams (MIF-)
MI Sinks SG>3.3 -1.00+0.50MM Weight in grams (MIS+)
MI Sinks SG>3.3 -0.50+0.25MM Weight in grams (MIS-)
Ferro Mags -1.00+0.50mm Weight in grams (FM+)
Ferro Mags -0.50+0.25mm Weight in grams (FM-)

Frantz Upper -1.00+0.50mm Weight in grams (UP+)
Frantz Upper -0.50+0.25mm Weight in grams (UP-)
Frantz Lowers -1.00+0.50mm Weight in grams (LW+)
Frantz Lowers -0.50+0.25mm Weight in grams (LW-)
Pyrope Peridotitic Grains +0.5mm in Counts (Pyr-p +)

Pyrope Peridotitic Grains -0.5mm in Counts (Pyr-p -)
Pyrope Eclogitic Grains +0.5mm in Counts (Pyr-e +)
Pyrope Eclogitic Grains -0.5mm in Counts (Pyr-e -)
Chrome-Diopside Grains +0.5mm in Counts (Chr D +)
Chrome-Diopside Grains -0.5mm in Counts (Chr D -)

Olivine Grains +0.5mm in Counts (Olv +)
Olivine Grains -0.5mm in Counts (Olv -)
Lower Fraction +0.5 Observed Weight in grams (LW+Obs)
Lower Fraction +0.5 Observed Weight in % (LW+)
Lower Fraction -0.5 Observed Weight in grams (LW-Obs)

Lower Fraction -0.5 Observed Weight in % (LW-)
Lower Fraction Total Observed Weight in grams (LWT Obs)
Lower Fraction Total Observed Weight in % (LWT)
Picroilmenite Grains +0.5mm in Counts (Picroilm+)
Picroilmenite Grains -0.5mm in Counts (Picroilm-)

Chromite Grains +0.5mm in Counts (Chr +)
Chromite Grains -0.5mm in Counts (Chr -)
Upper Fraction +0.5 Observed Weight in grams (UP+Obs)
Upper Fraction +0.5 Observed Weight in % (UP+)
Upper Fraction -0.5 Observed Weight in grams (UP-Obs)

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.25/99653F
Samples: 89

**SRC Geoanalytical Laboratories**
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Report No: 04-644
Date: March 14, 2005

## Kimberlite Indicator Minerals

Column Header Details

Upper Fraction -0.5 Observed Weight in % (UP-)
Upper Fraction Total Observed Weight in grams (UPT Obs)
Upper Fraction Total Observed Weight in % (UPT)
Other Indicator Grains in Counts (Others)
LW/UP Fraction -0.250MM Not Observed Weight in grams (-0.250)

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.25/99653F
Samples: 89

Report No: 04-644
Date: March 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST441 | 15.05 | 1000 | 1617 | 121 | 174 | 882 | 1447 | 20.95 | 39.59 | 12.90 | 13.32 | 8.05 | 26.26 |
| 04JST464 | 15.20 | 1555 | 2628 | 110 | 190 | 1449 | 2438 | 13.57 | 36.47 | 11.66 | 18.32 | 1.90 | 18.11 |
| 04JST413 | 15.05 | 1294 | 2244 | 100 | 154 | 1197 | 2093 | 8.13 | 26.80 | 6.57 | 11.30 | 1.55 | 15.46 |
| 04JST437 | 15.40 | 1453 | 2356 | 125 | 218 | 1330 | 2142 | 8.25 | 33.49 | 5.95 | 11.28 | 2.29 | 22.21 |
| 04JST468 | 14.45 | 1444 | 2245 | 77 | 138 | 1366 | 2106 | 76.86 | 27.23 | 74.55 | 5.15 | 2.33 | 22.13 |
| 04JST444 | 13.90 | 1030 | 2297 | 69 | 149 | 959 | 2148 | 68.85 | 19.24 | 67.37 | 5.99 | 1.43 | 13.24 |
| 04JST436 | 13.05 | 866 | 1891 | 93 | 164 | 772 | 1727 | 8.04 | 23.63 | 6.27 | 13.03 | 1.77 | 10.57 |
| 04JST443 | 13.70 | 1597 | 2544 | 81 | 127 | 1515 | 2416 | 4.15 | 18.31 | 2.37 | 4.62 | 1.78 | 13.63 |
| 04JST451 | 17.50 | 1435 | 2485 | 102 | 151 | 1331 | 2334 | 6.92 | 17.94 | 4.64 | 6.70 | 2.27 | 11.24 |
| 04JST449 | 16.45 | 1911 | 2841 | 113 | 155 | 1790 | 2685 | 7.59 | 22.01 | 4.22 | 6.45 | 3.37 | 15.62 |
| 04JST443 R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST447 | 13.25 | 798 | 1944 | 50 | 124 | 747 | 1817 | 50.14 | 16.72 | 48.57 | 5.03 | 1.41 | 11.67 |
| 04JST438 | 12.55 | 996 | 1728 | 97 | 157 | 900 | 1573 | 6.55 | 25.41 | 4.72 | 8.86 | 1.81 | 16.51 |
| 04JST414 | 18.55 | 1250 | 2528 | 131 | 212 | 1120 | 2317 | 10.80 | 33.54 | 8.94 | 16.01 | 1.86 | 17.46 |
| 04JST428 | 16.65 | 1238 | 2036 | 100 | 162 | 1137 | 1875 | 6.09 | 22.34 | 4.07 | 7.46 | 2.02 | 14.83 |
| 04JST426 | 14.25 | 256 | 1641 | 21 | 93 | 235 | 1549 | 21.00 | 7.97 | 20.82 | 4.80 | 0.14 | 3.07 |
| 04JST427 | 12.85 | 1018 | 2033 | 75 | 136 | 943 | 1898 | 74.54 | 20.03 | 73.52 | 8.13 | 1.24 | 11.88 |
| 04JST425 | 13.40 | 1329 | 2223 | 118 | 170 | 1210 | 2054 | 9.45 | 27.50 | 7.68 | 13.90 | 1.77 | 13.57 |
| 04JST418 | 14.55 | 930 | 1976 | 97 | 168 | 832 | 1807 | 7.92 | 23.38 | 6.19 | 13.33 | 1.73 | 10.00 |
| 04JST474 | 15.15 | 1355 | 2755 | 94 | 199 | 1261 | 2559 | 8.51 | 39.46 | 5.00 | 11.00 | 3.47 | 28.42 |
| 04JST412 | 17.50 | 1224 | 2326 | 109 | 180 | 1114 | 2148 | 8.25 | 28.54 | 6.30 | 12.31 | 1.93 | 16.19 |
| 04JST418 R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST476 | 13.15 | 190 | 323 | 10 | 25 | 181 | 299 | 9.68 | 23.63 | 9.42 | 19.10 | 0.22 | 4.52 |
| 04JST445 | 15.25 | 1490 | 2405 | 81 | 133 | 1408 | 2273 | 4.19 | 17.76 | 2.35 | 4.55 | 1.81 | 13.23 |
| 04JST419 | 11.80 | 934 | 1808 | 95 | 163 | 838 | 1646 | 7.71 | 25.19 | 6.09 | 11.97 | 1.61 | 13.19 |
| 04JST473 | 13.75 | 1147 | 1693 | 103 | 199 | 1044 | 1495 | 16.61 | 78.85 | 10.72 | 16.98 | 5.88 | 61.77 |
| 04JST439 | 15.30 | 1632 | 2721 | 119 | 189 | 1513 | 2533 | 7.58 | 27.26 | 5.93 | 13.72 | 1.64 | 13.49 |
| 04JST446 | 15.60 | 1450 | 2325 | 77 | 128 | 1373 | 2197 | 76.67 | 17.01 | 74.99 | 4.39 | 1.64 | 12.57 |
| 04JST440 | 13.00 | 1188 | 1811 | 100 | 150 | 1091 | 1666 | 9.34 | 28.64 | 7.02 | 10.51 | 2.31 | 18.10 |
| 04JST448 | 16.40 | 1649 | 2753 | 68 | 114 | 1583 | 2642 | 70.04 | 14.16 | 68.18 | 4.00 | 1.40 | 10.14 |
| [redacted] | | | | | | | | | | | | | |
| 04JST446 R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | | | | | | | | | | | | | |

**SRC Geoanalytical Laboratories**
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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.25/99653F
Samples: 89

Report No: 04-644
Date: March 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~04KBT627~~ | ~~15.55~~ | ~~878~~ | ~~1788~~ | ~~208~~ | ~~378~~ | ~~748~~ | ~~1669~~ | ~~18.33~~ | ~~35.90~~ | ~~13.41~~ | ~~26.10~~ | ~~1.57~~ | ~~8.68~~ |
| ~~04KBT631~~ | ~~15.55~~ | ~~881~~ | ~~1882~~ | ~~241~~ | ~~588~~ | ~~588~~ | ~~1878~~ | ~~18.38~~ | ~~18.18~~ | ~~17.78~~ | ~~36.37~~ | ~~1.21~~ | ~~8.92~~ |
| 04JST480 | 15.35 | 878 | 1446 | 46 | 85 | 835 | 1364 | 46.51 | 86.66 | 44.92 | 71.54 | 1.60 | 13.90 |
| ~~04KBT621 R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| 04JST401 | 16.75 | 1418 | 2137 | 105 | 194 | 1313 | 1943 | 6.97 | 30.05 | 3.97 | 7.01 | 2.99 | 22.95 |
| 04JST387 | 17.50 | 865 | 1887 | 84 | 188 | 780 | 1693 | 4.66 | 18.38 | 2.95 | 6.13 | 1.71 | 12.21 |
| ~~04MT242~~ | ~~20.88~~ | ~~1881~~ | ~~2542~~ | ~~321~~ | ~~488~~ | ~~1874~~ | ~~2074~~ | ~~43.48~~ | ~~138.12~~ | ~~43.23~~ | ~~124.38~~ | ~~2.12~~ | ~~12.92~~ |
| ~~04KBT618~~ | ~~18.23~~ | ~~1862~~ | ~~2331~~ | ~~203~~ | ~~388~~ | ~~788~~ | ~~1362~~ | ~~14.78~~ | ~~48.37~~ | ~~13.42~~ | ~~38.02~~ | ~~1.33~~ | ~~10.90~~ |
| ~~04KBT620~~ | ~~13.40~~ | ~~1340~~ | ~~2638~~ | ~~341~~ | ~~658~~ | ~~999~~ | ~~2176~~ | ~~20.47~~ | ~~49.73~~ | ~~18.00~~ | ~~38.02~~ | ~~1.87~~ | ~~13.38~~ |
| ~~04KBT613~~ | ~~18.40~~ | ~~2438~~ | ~~1784~~ | ~~492~~ | ~~323~~ | ~~1938~~ | ~~1438~~ | ~~37.72~~ | ~~73.00~~ | ~~33.34~~ | ~~83.34~~ | ~~2.17~~ | ~~9.38~~ |
| 04JST400 | 15.00 | 1484 | 2118 | 127 | 196 | 1353 | 1921 | 7.24 | 24.38 | 4.67 | 8.66 | 2.56 | 15.67 |
| ~~04KBT624~~ | ~~18.03~~ | ~~1163~~ | ~~2318~~ | ~~283~~ | ~~327~~ | ~~877~~ | ~~1738~~ | ~~18.42~~ | ~~43.37~~ | ~~18.32~~ | ~~38.31~~ | ~~2.18~~ | ~~13.39~~ |
| 04JST378 | 16.30 | 1042 | 1742 | 151 | 223 | 888 | 1517 | 8.70 | 26.56 | 6.00 | 10.14 | 2.69 | 16.39 |
| 04JST402 | 16.30 | 993 | 1959 | 90 | 206 | 900 | 1752 | 5.04 | 21.45 | 3.37 | 6.47 | 1.65 | 14.96 |
| ~~04KBT618 R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| 04JST408 | 14.90 | 1178 | 1784 | 91 | 153 | 1083 | 1627 | 5.18 | 19.37 | 3.52 | 4.90 | 1.65 | 14.45 |
| 04JST391 | 15.90 | 1362 | 1774 | 139 | 202 | 1220 | 1565 | 12.15 | 49.04 | 5.70 | 7.91 | 6.43 | 41.05 |
| 04JST477 | 14.65 | 1373 | 2136 | 83 | 142 | 1286 | 1990 | 6.06 | 23.97 | 4.03 | 5.59 | 2.02 | 18.35 |
| 04JST483 | 19.70 | 1783 | 2901 | 101 | 184 | 1680 | 2714 | 7.21 | 31.44 | 4.54 | 6.41 | 2.65 | 25.02 |
| 04JST481 | 24.65 | 2480 | 3286 | 191 | 257 | 2288 | 3028 | 15.61 | 44.04 | 8.33 | 9.81 | 7.28 | 34.20 |
| 04JST403 | 21.00 | 1088 | 1871 | 115 | 199 | 971 | 1671 | 6.05 | 19.78 | 4.29 | 7.08 | 1.76 | 12.66 |
| 04JST383 | 11.80 | 871 | 1465 | 87 | 149 | 781 | 1311 | 5.74 | 21.47 | 3.77 | 6.78 | 1.96 | 14.64 |
| 04JST406 | 15.20 | 1263 | 2247 | 106 | 261 | 1151 | 1984 | 6.33 | 23.85 | 4.31 | 7.43 | 2.01 | 16.40 |
| 04JST393 | 15.60 | 1132 | 2171 | 109 | 222 | 1019 | 1943 | 6.37 | 25.85 | 3.84 | 8.50 | 2.45 | 17.32 |
| 04JST409 | 12.40 | 1179 | 1636 | 87 | 140 | 1090 | 1493 | 5.53 | 25.64 | 3.61 | 7.31 | 1.90 | 18.28 |
| 04JST383 R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST377 | 15.90 | 541 | 879 | 93 | 119 | 446 | 754 | 5.30 | 15.33 | 4.41 | 9.12 | 0.88 | 6.10 |
| 04JST482 | 20.85 | 1896 | 2985 | 120 | 195 | 1774 | 2789 | 8.07 | 34.93 | 5.27 | 9.19 | 2.78 | 25.65 |
| 04JST389 | 15.70 | 1555 | 1844 | 164 | 233 | 1387 | 1609 | 14.99 | 53.62 | 8.50 | 16.99 | 6.48 | 36.58 |
| 04JST536 | 14.90 | 1195 | 2207 | 150 | 242 | 1043 | 1964 | 9.55 | 24.51 | 7.73 | 13.42 | 1.79 | 11.05 |
| 04JST407 | 15.25 | 1318 | 2088 | 101 | 166 | 1212 | 1920 | 5.96 | 25.28 | 3.90 | 7.88 | 2.02 | 17.34 |
| ~~04KBT620~~ | ~~17.50~~ | ~~1012~~ | ~~[illegible]~~ | ~~291~~ | ~~117~~ | ~~1321~~ | ~~[illegible]~~ | ~~16.70~~ | ~~27.01~~ | ~~16.33~~ | ~~23.20~~ | ~~0.30~~ | ~~1.70~~ |
| ~~04KBT628~~ | ~~15.88~~ | ~~1882~~ | ~~1828~~ | ~~252~~ | ~~144~~ | ~~848~~ | ~~1548~~ | ~~28.28~~ | ~~58.87~~ | ~~18.18~~ | ~~38.58~~ | ~~1.82~~ | ~~13.81~~ |
| 04JST405 | 15.55 | 1744 | 2294 | 110 | 179 | 1635 | 2118 | 7.27 | 32.66 | 4.76 | 10.65 | 2.46 | 21.98 |
| 04JST537 | 14.75 | 1127 | 2487 | 175 | 302 | 956 | 2187 | 12.41 | 35.39 | 10.26 | 20.89 | 2.13 | 14.36 |
| 04JST411 | 15.65 | 1573 | 2218 | 98 | 165 | 1476 | 2055 | 7.99 | 31.77 | 4.76 | 8.76 | 3.21 | 22.98 |
| 04JST389R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST394 | 16.20 | 927 | 1604 | 93 | 178 | 833 | 1428 | 5.23 | 21.27 | 3.31 | 7.60 | 1.90 | 13.64 |
| 04JST404 | 13.85 | 743 | 1446 | 76 | 152 | 670 | 1294 | 76.61 | 17.50 | 75.29 | 7.67 | 1.13 | 9.73 |
| 04JST397 | 19.65 | 1218 | 2044 | 131 | 214 | 1091 | 1828 | 7.80 | 29.66 | 5.00 | 10.42 | 2.80 | 19.22 |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.25/99653F
Samples: 89

Report No: 04-644
Date: March 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST479 | 16.40 | 361 | 820 | 22 | 49 | 343 | 771 | 21.31 | 51.29 | 20.80 | 48.68 | 0.31 | 2.58 |
| 04JST399 | 14.90 | 1089 | 1880 | 87 | 160 | 1005 | 1725 | 5.72 | 23.26 | 3.70 | 8.16 | 2.01 | 15.10 |
| 04JST376 | 14.55 | 1132 | 1828 | 159 | 234 | 975 | 1597 | 9.62 | 30.93 | 6.76 | 12.97 | 2.84 | 17.89 |
| 04JST478 | 16.65 | 1496 | 2415 | 94 | 160 | 1404 | 2259 | 5.51 | 20.74 | 3.84 | 8.17 | 1.66 | 12.52 |
| 04JST385 | 18.20 | 1323 | 2164 | 190 | 295 | 1137 | 1871 | 12.82 | 41.24 | 8.07 | 13.60 | 4.75 | 27.60 |
| 04JST382 | 16.20 | 1194 | 1848 | 132 | 206 | 1065 | 1646 | 8.23 | 28.29 | 5.37 | 9.53 | 2.84 | 18.71 |
| ~~04JST398~~ | ~~22.20~~ | ~~10125~~ | ~~3138~~ | ~~2239~~ | ~~393~~ | ~~7841~~ | ~~2323~~ | ~~130.22~~ | ~~33.21~~ | ~~127.32~~ | ~~37.47~~ | ~~2.33~~ | ~~1.72~~ |
| 04JST385 R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST398 | 16.50 | 1368 | 2379 | 137 | 249 | 1233 | 2129 | 7.41 | 28.40 | 4.90 | 10.54 | 2.49 | 17.84 |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.25/99653F
Samples: 89

Report No: 04-644
Date: March 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | FM+ g | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST441 | 0.36 | 1.26 | 7.46 | 23.12 | 0.21 | 1.81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST464 | 0.13 | 0.48 | ~ | 16.97 | 1.77 | 0.64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST413 | 0.16 | 1.02 | ~ | 13.79 | 1.38 | 0.60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST437 | 0.18 | 0.98 | ~ | 20.47 | 2.11 | 0.70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST468 | 0.07 | 0.66 | ~ | 19.12 | 2.27 | 2.26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST444 | 0.07 | 0.59 | ~ | 12.15 | 1.36 | 0.44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST436 | 0.76 | 2.74 | ~ | 6.81 | 1.00 | 1.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST443 | 0.08 | 0.47 | ~ | 12.64 | 1.69 | 0.51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST451 | 0.44 | 0.97 | ~ | 8.56 | 1.83 | 1.67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST449 | 0.15 | 0.64 | ~ | 13.19 | 3.20 | 1.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST443 R | N/R | N/R | N/R | N/R | N/R | N/R | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST447 | 0.08 | 0.55 | ~ | 9.68 | 1.33 | 1.41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST438 | 0.09 | 0.74 | ~ | 15.18 | 1.72 | 0.55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST414 | 0.25 | 1.37 | ~ | 15.48 | 1.59 | 0.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST428 | 0.10 | 0.68 | ~ | 12.52 | 1.91 | 1.60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST426 | ~ | 0.21 | ~ | 2.71 | 0.14 | 0.12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST427 | 0.09 | 0.49 | ~ | 11.02 | 1.15 | 0.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST425 | 0.19 | 0.82 | ~ | 10.97 | 1.56 | 1.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST418 | 0.13 | 0.56 | ~ | 8.94 | 1.59 | 0.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST474 | 0.16 | 0.88 | ~ | 24.57 | 3.30 | 2.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST412 | 0.15 | 0.85 | ~ | 14.82 | 1.78 | 0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST418 R | N/R | N/R | N/R | N/R | N/R | N/R | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST476 | ~ | 0.15 | ~ | 4.09 | 0.22 | 0.27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST445 | 0.11 | 0.55 | ~ | 12.12 | 1.69 | 0.54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST419 | 0.22 | 1.05 | ~ | 11.63 | 1.38 | 0.49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST473 | 0.37 | 1.88 | 5.23 | 54.20 | 0.25 | 5.66 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST439 | 0.04 | 0.29 | ~ | 11.98 | 1.59 | 1.21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST446 | 0.07 | 0.47 | ~ | 11.68 | 1.57 | 0.40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST440 | 0.14 | 0.90 | ~ | 16.71 | 2.16 | 0.45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST448 | 0.04 | 0.41 | ~ | 8.44 | 1.35 | 1.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04KBT684~~ | ~~0.18~~ | ~~3.53~~ | | ~~3.38~~ | ~~0.74~~ | ~~0.38~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT620~~ | ~~0.80~~ | ~~23.62~~ | | ~~60.36~~ | ~~3.67~~ | ~~11.69~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST446 R | N/R | N/R | N/R | N/R | N/R | N/R | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04KBT668~~ | ~~0.41~~ | ~~2.84~~ | | ~~8.31~~ | ~~1.38~~ | ~~1.12~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT613~~ | ~~1.31~~ | ~~24.01~~ | ~~3.12~~ | ~~94.93~~ | ~~0.84~~ | ~~35.43~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT612~~ | ~~0.37~~ | ~~3.81~~ | | ~~16.24~~ | ~~1.43~~ | ~~3.73~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04SMT198~~ | ~~0.33~~ | ~~2.43~~ | | ~~3.84~~ | ~~2.23~~ | ~~0.38~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT621~~ | ~~0.47~~ | ~~2.27~~ | | ~~3.88~~ | ~~1.14~~ | ~~1.33~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04SMT199~~ | ~~0.43~~ | ~~3.37~~ | | ~~7.76~~ | ~~1.22~~ | ~~1.33~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT622~~ | ~~0.47~~ | ~~3.17~~ | | ~~8.38~~ | ~~1.42~~ | ~~0.38~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |

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Samples: 89

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Report No: 04-644
Date: March 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | FM+ g | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~04KBT621~~ | ~~0.47~~ | ~~2.32~~ | | ~~3.32~~ | ~~1.67~~ | ~~0.61~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT681~~ | ~~0.84~~ | ~~2.88~~ | | ~~4.74~~ | ~~0.85~~ | ~~1.88~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST480 | 0.06 | 0.31 | ~ | 13.28 | 1.52 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04KBT621 R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST401 | 0.12 | 0.75 | ~ | 20.36 | 2.84 | 1.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST387 | 0.14 | 0.74 | ~ | 11.05 | 1.55 | 0.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04SMT212~~ | ~~0.78~~ | ~~4.16~~ | | ~~6.66~~ | ~~1.32~~ | ~~1.65~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT618~~ | ~~0.25~~ | ~~1.77~~ | | ~~7.61~~ | ~~1.66~~ | ~~1.55~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT626~~ | ~~0.34~~ | ~~3.26~~ | | ~~5.45~~ | ~~1.32~~ | ~~0.88~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT619~~ | ~~0.89~~ | ~~4.04~~ | | ~~2.90~~ | ~~1.26~~ | ~~1.66~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST400 | 0.13 | 0.45 | ~ | 13.96 | 2.40 | 1.23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04KBT624~~ | ~~0.62~~ | ~~3.66~~ | | ~~7.45~~ | ~~1.46~~ | ~~2.27~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST378 | 0.25 | 1.44 | ~ | 13.13 | 2.43 | 1.77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST402 | 0.12 | 0.71 | ~ | 11.77 | 1.51 | 2.45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04KBT618 R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST408 | 0.12 | 0.57 | ~ | 12.30 | 1.52 | 1.54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST391 | 0.32 | 1.31 | 5.85 | 38.63 | 0.25 | 1.08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST477 | 0.16 | 0.71 | ~ | 15.51 | 1.85 | 2.08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST483 | 0.19 | 0.77 | ~ | 21.52 | 2.44 | 2.69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST481 | 0.43 | 1.48 | 6.53 | 28.90 | 0.29 | 3.78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST403 | 0.17 | 0.84 | ~ | 11.00 | 1.58 | 0.81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST383 | 0.16 | 0.89 | ~ | 13.42 | 1.79 | 0.32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST406 | 0.13 | 0.72 | ~ | 13.89 | 1.88 | 1.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST393 | 0.11 | 0.58 | ~ | 14.98 | 2.33 | 1.73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST409 | 0.10 | 0.65 | ~ | 15.97 | 1.78 | 1.62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST383 R | N/R | N/R | N/R | N/R | N/R | N/R | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST377 | 0.14 | 1.13 | ~ | 4.67 | 0.73 | 0.27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST482 | 0.14 | 0.95 | ~ | 22.25 | 2.62 | 2.44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST389 | 0.41 | 1.57 | 5.70 | 30.47 | 0.35 | 4.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST536 | 0.20 | 0.95 | ~ | 9.47 | 1.58 | 0.62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST407 | 0.12 | 0.66 | ~ | 16.16 | 1.89 | 0.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04KBT620~~ | ~~0.22~~ | ~~1.27~~ | | ~~[illegible]~~ | ~~0.13~~ | ~~0.41~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT628~~ | ~~0.58~~ | ~~0.88~~ | | ~~8.44~~ | ~~1.84~~ | ~~0.78~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST405 | 0.14 | 0.67 | ~ | 19.18 | 2.33 | 2.12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST537 | 0.38 | 1.53 | ~ | 11.84 | 1.74 | 0.98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST411 | 0.24 | 0.91 | ~ | 19.93 | 2.96 | 2.12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST389R | N/R | N/R | N/R | N/R | N/R | N/R | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST394 | 0.17 | 0.62 | ~ | 12.63 | 1.72 | 0.38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST404 | 0.13 | 0.67 | ~ | 8.03 | 0.99 | 1.02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST397 | 0.22 | 1.12 | ~ | 17.35 | 2.57 | 0.73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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PO #/Project: SM04.25/99653F
Samples: 89

Report No: 04-644
Date: March 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | FM+ g | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST479 | ~ | 0.10 | ~ | 2.31 | 0.32 | 0.16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST399 | 0.18 | 0.70 | ~ | 13.13 | 1.84 | 1.26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST376 | 0.29 | 1.30 | ~ | 15.63 | 2.56 | 0.94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST478 | 0.13 | 0.53 | ~ | 10.47 | 1.54 | 1.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST385 | 0.46 | 2.27 | ~ | 23.99 | 4.29 | 1.32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST382 | 0.28 | 0.78 | ~ | 15.53 | 2.57 | 2.38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04JST398~~ | ~~0.86~~ | ~~0.91~~ | | | ~~2.00~~ | ~~0.00~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST385 R | N/R | N/R | N/R | N/R | N/R | N/R | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST398 | 0.24 | 0.86 | ~ | 14.88 | 2.24 | 2.08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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Date: March 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | Olv - Counts | LW+Obs g | LW+ % | LW-Obs g | LW- % | LWT Obs g | LWT % | Picroilm+ Counts | Picroilm- Counts | Chr + Counts | Chr - Counts | UP+Obs g | UP+ % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST441 | 0 | 0.25 | 100 | 1.58 | 100 | 1.83 | 100 | 0 | 0 | 0 | 0 | 7.44 | 100 |
| 04JST464 | 0 | 1.70 | 100 | 0.50 | 100 | 2.20 | 100 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04JST413 | 0 | 1.40 | 100 | 0.52 | 100 | 1.92 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST437 | 0 | 2.10 | 100 | 0.63 | 100 | 2.73 | 100 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04JST468 | 0 | 2.24 | 100 | 2.21 | 100 | 4.45 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST444 | 0 | 1.33 | 100 | 0.41 | 100 | 1.74 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST436 | 0 | 1.05 | 100 | 0.78 | 100 | 1.83 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST443 | 0 | 1.73 | 100 | 0.53 | 100 | 2.26 | 100 | 0 | 0 | 1 | 0 | 0 | 0 |
| 04JST451 | 0 | 1.79 | 100 | 1.30 | 100 | 3.09 | 100 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04JST449 | 0 | 3.19 | 100 | 1.72 | 100 | 4.91 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST443 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST447 | 0 | 1.30 | 100 | 1.38 | 100 | 2.68 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST438 | 0 | 1.74 | 100 | 0.45 | 100 | 2.19 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST414 | 0 | 1.63 | 100 | 0.52 | 100 | 2.15 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST428 | 0 | 1.90 | 100 | 1.30 | 100 | 3.20 | 100 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04JST426 | 0 | 0.12 | 100 | 0.10 | 100 | 0.22 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST427 | 0 | 1.16 | 100 | 0.39 | 100 | 1.55 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST425 | 0 | 1.58 | 100 | 1.42 | 100 | 3.00 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST418 | 0 | 1.50 | 100 | 0.48 | 100 | 1.98 | 100 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04JST474 | 0 | 3.20 | 100 | 2.17 | 100 | 5.37 | 100 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04JST412 | 0 | 1.80 | 100 | 0.51 | 100 | 2.31 | 100 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04JST418 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST476 | 0 | 0.20 | 100 | 0.16 | 100 | 0.36 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST445 | 1 | 1.67 | 100 | 0.43 | 100 | 2.10 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST419 | 0 | 1.40 | 100 | 0.52 | 100 | 1.92 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST473 | 0 | 0.23 | 100 | 4.80 | 100 | 5.03 | 100 | 0 | 0 | 0 | 0 | 5.21 | 100 |
| 04JST439 | 0 | 1.60 | 100 | 1.22 | 100 | 2.82 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST446 | 0 | 1.56 | 100 | 0.33 | 100 | 1.89 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST440 | 0 | 2.21 | 100 | 0.49 | 100 | 2.70 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST448 | 0 | 1.30 | 100 | 1.20 | 100 | 2.50 | 100 | 0 | 0 | 0 | 1 | 0 | 0 |
| ~~04KBT624~~ | ~~0~~ | ~~0.74~~ | ~~100~~ | ~~0.00~~ | ~~100~~ | ~~0.74~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT623~~ | ~~0~~ | ~~0.00~~ | ~~100~~ | ~~0.00~~ | ~~100~~ | ~~0.74~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST446 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04KBT605~~ | ~~0~~ | ~~1.00~~ | ~~100~~ | ~~1.00~~ | ~~100~~ | ~~2.00~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT615~~ | ~~0~~ | ~~0.00~~ | ~~100~~ | ~~0.00~~ | ~~100~~ | ~~10.11~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~5.10~~ | ~~100~~ |
| ~~04KBT612~~ | ~~0~~ | ~~1.10~~ | ~~100~~ | ~~0.10~~ | ~~100~~ | ~~1.10~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04SMT130~~ | ~~0~~ | ~~2.30~~ | ~~100~~ | ~~0.40~~ | ~~100~~ | ~~2.70~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT621~~ | ~~0~~ | ~~1.08~~ | ~~100~~ | ~~1.17~~ | ~~100~~ | ~~2.25~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04SMT133~~ | ~~0~~ | ~~1.20~~ | ~~100~~ | ~~1.50~~ | ~~100~~ | ~~2.70~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT622~~ | ~~0~~ | ~~1.45~~ | ~~100~~ | ~~0.87~~ | ~~100~~ | ~~2.32~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.25/99653F
Samples: 89

Report No: 04-644
Date: March 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | Olv - Counts | LW+Obs g | LW+ % | LW-Obs g | LW- % | LWT Obs g | LWT % | Picroilm+ Counts | Picroilm- Counts | Chr + Counts | Chr - Counts | UP+Obs g | UP+ % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~04KBT027~~ | ~~0~~ | ~~1.00~~ | ~~100~~ | ~~0.04~~ | ~~100~~ | ~~1.04~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT031~~ | ~~0~~ | ~~0.88~~ | ~~100~~ | ~~1.11~~ | ~~100~~ | ~~1.88~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST480 | 0 | 1.50 | 100 | 0.22 | 100 | 1.72 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04KBT021 R~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST401 | 0 | 2.85 | 100 | 1.43 | 100 | 4.28 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST387 | 0 | 1.56 | 100 | 0.40 | 100 | 1.96 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04SMT212~~ | ~~0~~ | ~~1.20~~ | ~~100~~ | ~~1.70~~ | ~~100~~ | ~~2.90~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT010~~ | ~~0~~ | ~~1.02~~ | ~~100~~ | ~~1.12~~ | ~~100~~ | ~~2.14~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT020~~ | ~~0~~ | ~~1.30~~ | ~~100~~ | ~~0.87~~ | ~~100~~ | ~~2.17~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT019~~ | ~~0~~ | ~~1.31~~ | ~~100~~ | ~~1.67~~ | ~~100~~ | ~~2.98~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST400 | 0 | 2.40 | 100 | 1.20 | 100 | 3.60 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04KBT024~~ | ~~0~~ | ~~1.49~~ | ~~100~~ | ~~1.89~~ | ~~100~~ | ~~3.38~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST378 | 0 | 2.42 | 100 | 1.77 | 100 | 4.19 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST402 | 0 | 1.50 | 100 | 2.40 | 100 | 3.90 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04KBT018 R~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST408 | 0 | 1.55 | 100 | 1.31 | 100 | 2.86 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST391 | 0 | 0.27 | 100 | 1.10 | 100 | 1.37 | 100 | 0 | 0 | 0 | 0 | 5.83 | 100 |
| 04JST477 | 0 | 1.74 | 100 | 1.63 | 100 | 3.37 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST483 | 0 | 2.43 | 100 | 2.29 | 100 | 4.72 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST481 | 0 | 0.27 | 100 | 3.76 | 100 | 4.03 | 100 | 0 | 0 | 0 | 0 | 6.51 | 100 |
| 04JST403 | 0 | 1.58 | 100 | 0.69 | 100 | 2.27 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST383 | 0 | 1.70 | 100 | 0.33 | 100 | 2.03 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST406 | 0 | 1.80 | 100 | 1.70 | 100 | 3.50 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST393 | 0 | 2.33 | 100 | 1.73 | 100 | 4.06 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST409 | 0 | 1.81 | 100 | 1.41 | 100 | 3.22 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST383 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST377 | 0 | 0.74 | 100 | 0.28 | 100 | 1.02 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST482 | 0 | 2.50 | 100 | 2.30 | 100 | 4.80 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST389 | 0 | 0.26 | 100 | 3.64 | 100 | 3.90 | 100 | 0 | 0 | 0 | 0 | 5.58 | 100 |
| 04JST536 | 0 | 1.56 | 100 | 0.59 | 100 | 2.15 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST407 | 0 | 1.91 | 100 | 0.42 | 100 | 2.33 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04KBT028~~ | ~~0~~ | ~~0.11~~ | ~~100~~ | ~~0.43~~ | ~~100~~ | ~~0.54~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT029~~ | ~~0~~ | ~~1.30~~ | ~~100~~ | ~~0.81~~ | ~~100~~ | ~~2.11~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST405 | 0 | 2.30 | 100 | 2.08 | 100 | 4.38 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST537 | 0 | 1.70 | 100 | 1.00 | 100 | 2.70 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST411 | 0 | 2.99 | 100 | 1.88 | 100 | 4.87 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST389R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST394 | 0 | 1.64 | 100 | 0.30 | 100 | 1.94 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST404 | 0 | 0.96 | 100 | 0.99 | 100 | 1.95 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST397 | 0 | 2.50 | 100 | 0.69 | 100 | 3.19 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.25/99653F
Samples: 89

Report No: 04-644
Date: March 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | Olv - Counts | LW+Obs g | LW+ % | LW-Obs g | LW- % | LWT Obs g | LWT % | Picroilm+ Counts | Picroilm- Counts | Chr + Counts | Chr - Counts | UP+Obs g | UP+ % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST479 | 0 | 0.26 | 100 | 0.11 | 100 | 0.37 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST399 | 0 | 1.79 | 100 | 1.03 | 100 | 2.82 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST376 | 0 | 2.55 | 100 | 0.80 | 100 | 3.35 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST478 | 0 | 1.50 | 100 | 1.40 | 100 | 2.90 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST385 | 0 | 4.20 | 100 | 1.23 | 100 | 5.43 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST382 | 0 | 2.49 | 100 | 1.96 | 100 | 4.45 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04KBT398~~ | ~~0~~ | ~~1.96~~ | ~~100~~ | ~~0.78~~ | ~~100~~ | ~~2.74~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST385 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST398 | 0 | 2.19 | 100 | 1.73 | 100 | 3.92 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |

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Samples: 89

Report No: 04-644
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## Kimberlite Indicator Minerals

| Sample Number | UP-Obs g | UP- % | UPT Obs g | UPT % | Others Counts | -0.250 g |
|---|---|---|---|---|---|---|
| 04JST441 | 5.29 | 38 | 12.73 | 46 | 0 | 2.92 |
| 04JST464 | 14.30 | 100 | 14.30 | 100 | 0 | 2.73 |
| 04JST413 | 12.10 | 100 | 12.10 | 100 | 0 | 1.83 |
| 04JST437 | 17.50 | 100 | 17.50 | 100 | 0 | 3.16 |
| 04JST468 | 9.34 | 49 | 9.34 | 49 | 0 | 0 |
| 04JST444 | 7.35 | 73 | 7.35 | 73 | 0 | 2.08 |
| 04JST436 | 5.15 | 100 | 5.15 | 100 | 0 | 1.93 |
| 04JST443 | 6.97 | 65 | 6.97 | 65 | 0 | 1.91 |
| 04JST451 | 7.09 | 100 | 7.09 | 100 | 0 | 1.52 |
| 04JST449 | 7.45 | 65 | 7.45 | 65 | 0 | 1.74 |
| 04JST443 R | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST447 | 7.57 | 100 | 7.57 | 100 | 0 | 2.04 |
| 04JST438 | 6.35 | 49 | 6.35 | 49 | 0 | 2.42 |
| 04JST414 | 6.71 | 50 | 6.71 | 50 | 0 | 2.18 |
| 04JST428 | 10.40 | 100 | 10.40 | 100 | 0 | 2.33 |
| 04JST426 | 2.70 | 100 | 2.70 | 100 | 0 | 0 |
| 04JST427 | 6.26 | 73 | 6.26 | 73 | 0 | 2.44 |
| 04JST425 | 4.72 | 52 | 4.72 | 52 | 0 | 2.38 |
| 04JST418 | 8.90 | 100 | 8.90 | 100 | 0 | 0 |
| 04JST474 | 20.30 | 100 | 20.30 | 100 | 0 | 4.84 |
| 04JST412 | 9.10 | 78 | 9.10 | 78 | 0 | 3.20 |
| 04JST418 R | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST476 | 2.87 | 100 | 2.87 | 100 | 0 | 1.29 |
| 04JST445 | 4.69 | 45 | 4.69 | 45 | 0 | 1.75 |
| 04JST419 | 10.00 | 100 | 10.00 | 100 | 0 | 1.68 |
| 04JST473 | 3.34 | 6 | 8.55 | 17 | 0 | 4.01 |
| 04JST439 | 6.48 | 62 | 6.48 | 62 | 0 | 1.62 |
| 04JST446 | 6.11 | 63 | 6.11 | 63 | 0 | 2.15 |
| 04JST440 | 8.18 | 59 | 8.18 | 59 | 0 | 2.83 |
| 04JST448 | 8.40 | 100 | 8.40 | 100 | 0 | 0 |
| ~~04KBT004~~ | ~~3.40~~ | ~~100~~ | ~~3.40~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KBT020~~ | ~~2.43~~ | ~~3~~ | ~~2.43~~ | ~~3~~ | ~~0~~ | ~~1.72~~ |
| 04JST446 R | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04KBT006~~ | ~~6.36~~ | ~~100~~ | ~~6.36~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KBT013~~ | ~~4.11~~ | ~~5~~ | ~~8.21~~ | ~~10~~ | ~~0~~ | ~~0.004~~ |
| ~~04KBT012~~ | ~~6.38~~ | ~~38~~ | ~~6.38~~ | ~~38~~ | ~~0~~ | ~~2.81~~ |
| ~~04SMT156~~ | ~~6.00~~ | ~~100~~ | ~~6.00~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KBT021~~ | ~~4.00~~ | ~~100~~ | ~~4.00~~ | ~~100~~ | ~~0~~ | ~~0.78~~ |
| ~~04SMT159~~ | ~~7.70~~ | ~~100~~ | ~~7.70~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KBT022~~ | ~~3.87~~ | ~~31~~ | ~~3.87~~ | ~~31~~ | ~~0~~ | ~~1.16~~ |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.25/99653F
Samples: 89

Report No: 04-644
Date: March 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | UP-Obs g | UP- % | UPT Obs g | UPT % | Others Counts | -0.250 g |
|---|---|---|---|---|---|---|
| ~~04KBT627~~ | ~~5.90~~ | ~~100~~ | ~~5.90~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KBT601~~ | ~~8.00~~ | ~~100~~ | ~~8.00~~ | ~~100~~ | ~~0~~ | ~~0.00~~ |
| 04JST480 | 13.20 | 100 | 13.20 | 100 | 0 | 0 |
| ~~04KBT621 R~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST401 | 5.39 | 31 | 5.39 | 31 | 0 | 3.33 |
| 04JST387 | 9.64 | 100 | 9.64 | 100 | 0 | 1.41 |
| ~~04SMT212~~ | ~~6.80~~ | ~~100~~ | ~~6.80~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KBT618~~ | ~~3.74~~ | ~~94~~ | ~~3.74~~ | ~~94~~ | ~~0~~ | ~~1.00~~ |
| ~~04KBT620~~ | ~~8.10~~ | ~~100~~ | ~~8.10~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KBT619~~ | ~~2.65~~ | ~~100~~ | ~~2.65~~ | ~~100~~ | ~~0~~ | ~~0.45~~ |
| 04JST400 | 13.90 | 100 | 13.90 | 100 | 0 | 0 |
| ~~04KBT624~~ | ~~8.00~~ | ~~100~~ | ~~8.00~~ | ~~100~~ | ~~0~~ | ~~1.54~~ |
| 04JST378 | 7.17 | 61 | 7.17 | 61 | 0 | 1.43 |
| 04JST402 | 11.70 | 100 | 11.70 | 100 | 0 | 0 |
| ~~04KBT618 R~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST408 | 7.22 | 71 | 7.22 | 71 | 0 | 1.74 |
| 04JST391 | 6.76 | 19 | 12.59 | 26 | 0 | 2.68 |
| 04JST477 | 3.72 | 28 | 3.72 | 28 | 0 | 2.15 |
| 04JST483 | 6.14 | 31 | 6.14 | 31 | 0 | 2.72 |
| 04JST481 | 3.81 | 15 | 10.32 | 29 | 0 | 3.74 |
| 04JST403 | 9.00 | 93 | 9.00 | 93 | 0 | 1.44 |
| 04JST383 | 4.30 | 40 | 4.30 | 40 | 0 | 2.48 |
| 04JST406 | 13.90 | 100 | 13.90 | 100 | 0 | 0 |
| 04JST393 | 0.50 | 8 | 0.50 | 8 | 0 | 0 |
| 04JST409 | 8.41 | 59 | 8.41 | 59 | 0 | 2.12 |
| 04JST383 R | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST377 | 4.60 | 100 | 4.60 | 100 | 0 | 0 |
| 04JST482 | 22.20 | 100 | 22.20 | 100 | 0 | 0 |
| 04JST389 | 4.29 | 16 | 9.87 | 31 | 0 | 4.57 |
| 04JST536 | 8.45 | 100 | 8.45 | 100 | 0 | 0.99 |
| 04JST407 | 8.50 | 62 | 8.50 | 62 | 0 | 2.68 |
| ~~04KBT620~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT623~~ | ~~8.00~~ | ~~100~~ | ~~8.00~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| 04JST405 | 8.04 | 46 | 8.04 | 46 | 0 | 1.81 |
| 04JST537 | 11.70 | 100 | 11.70 | 100 | 0 | 0 |
| 04JST411 | 7.87 | 42 | 7.87 | 42 | 0 | 2.13 |
| 04JST389R | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST394 | 3.87 | 35 | 3.87 | 35 | 0 | 1.47 |
| 04JST404 | 6.45 | 100 | 6.45 | 100 | 0 | 1.48 |
| 04JST397 | 17.30 | 100 | 17.30 | 100 | 0 | 0 |

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Attention: Jennifer Burgess
PO #/Project: SM04.25/99653F
Samples: 89

Report No: 04-644
Date: March 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | UP-Obs g | UP- % | UPT Obs g | UPT % | Others Counts | -0.250 g |
|---|---|---|---|---|---|---|
| 04JST479 | 1.92 | 100 | 1.92 | 100 | 0 | 0.36 |
| 04JST399 | 8.74 | 77 | 8.74 | 77 | 0 | 3.23 |
| 04JST376 | 9.11 | 68 | 9.11 | 68 | 0 | 1.89 |
| 04JST478 | 10.40 | 100 | 10.40 | 100 | 0 | 0 |
| 04JST385 | 2.03 | 11 | 2.03 | 11 | 0 | 3.23 |
| 04JST382 | 3.82 | 28 | 3.82 | 28 | 0 | 2.08 |
| ~~04KBT586~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST385 R | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST398 | 8.26 | 63 | 8.26 | 63 | 0 | 1.99 |

0's (zeroes) in the UP+ or UP- weight columns indicate that the sample was too small to be frantzed. The total weight of that fraction is recorded in the LW+ or LW- columns.
All samples were observed for 2.5 hours only (1.5hrs-silicates; 1hr-oxides).

**Shear Minerals Ltd.**
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Samples: 84

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Report No: 04-670
Date: April 14, 2005

## Kimberlite Indicator Minerals

Column Header Details

Original Sample Weight in kilograms (SWT)
Mid Fraction -1.00+0.50MM Dry Weight in grams (MWT+)
Mid Fraction -0.50+0.25MM Dry Weight in grams (MWT-)
Permroll Mag -1.00+0.50MM Weight in grams (MAG+)
Permroll Mag -0.50+0.25MM Weight in grams (MAG-)

Permroll Non Mag -1.00+0.50MM Weight in grams (NMAG+)
Permroll Non Mag -0.50+0.25MM Weight in grams (NMAG-)
TBE Sinks SG>2.96 -1.00+0.50MM Weight in grams (TBES+)
TBE Sinks SG>2.96 -0.50+0.25MM Weight in grams (TBES-)
MI Floats SG<3.3 -1.00+0.50MM Weight in grams (MIF+)

MI Floats SG<3.3 -0.50+0.25MM Weight in grams (MIF-)
MI Sinks SG>3.3 -1.00+0.50MM Weight in grams (MIS+)
MI Sinks SG>3.3 -0.50+0.25MM Weight in grams (MIS-)
Ferro Mags -1.00+0.50mm Weight in grams (FM+)
Ferro Mags -0.50+0.25mm Weight in grams (FM-)

Frantz Upper -1.00+0.50mm Weight in grams (UP+)
Frantz Upper -0.50+0.25mm Weight in grams (UP-)
Frantz Lowers -1.00+0.50mm Weight in grams (LW+)
Frantz Lowers -0.50+0.25mm Weight in grams (LW-)
Pyrope Peridotitic Grains +0.5mm in Counts (Pyr-p +)

Pyrope Peridotitic Grains -0.5mm in Counts (Pyr-p -)
Pyrope Eclogitic Grains +0.5mm in Counts (Pyr-e +)
Pyrope Eclogitic Grains -0.5mm in Counts (Pyr-e -)
Chrome-Diopside Grains +0.5mm in Counts (Chr D +)
Chrome-Diopside Grains -0.5mm in Counts (Chr D -)

Olivine Grains +0.5mm in Counts (Olv +)
Olivine Grains -0.5mm in Counts (Olv -)
Lower Fraction +0.5 Observed Weight in grams (LW+Obs)
Lower Fraction +0.5 Observed Weight in % (LW+)
Lower Fraction -0.5 Observed Weight in grams (LW-Obs)

Lower Fraction -0.5 Observed Weight in % (LW-)
Lower Fraction Total Observed Weight in grams (LWT Obs)
Lower Fraction Total Observed Weight in % (LWT)
Picroilmenite Grains +0.5mm in Counts (Picroilm+)
Picroilmenite Grains -0.5mm in Counts (Picroilm-)

Chromite Grains +0.5mm in Counts (Chr +)
Chromite Grains -0.5mm in Counts (Chr -)
Upper Fraction +0.5 Observed Weight in grams (UP+Obs)
Upper Fraction +0.5 Observed Weight in % (UP+)
Upper Fraction -0.5 Observed Weight in grams (UP-Obs)

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Report No: 04-670
Date: April 14, 2005

## Kimberlite Indicator Minerals

Column Header Details

Upper Fraction -0.5 Observed Weight in % (UP-)
Upper Fraction Total Observed Weight in grams (UPT Obs)
Upper Fraction Total Observed Weight in % (UPT)
Other Indicator Grains in Counts (Others)
LW/UP Fraction -0.250MM Not Observed Weight in grams (-0.250)

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Report No: 04-670
Date: April 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~04JST572~~ | ~~21.15~~ | ~~1488~~ | ~~2625~~ | ~~182~~ | ~~284~~ | ~~1288~~ | ~~2888~~ | ~~20.88~~ | ~~88.88~~ | ~~18.51~~ | ~~18.71~~ | ~~2.12~~ | ~~18.51~~ |
| ~~04JST573~~ | ~~18.45~~ | ~~1888~~ | ~~2884~~ | ~~184~~ | ~~248~~ | ~~588~~ | ~~2181~~ | ~~18.88~~ | ~~12.81~~ | ~~11.15~~ | ~~24.51~~ | ~~1.55~~ | ~~18.87~~ |
| ~~04JST574~~ | ~~17.85~~ | ~~1218~~ | ~~2888~~ | ~~148~~ | ~~284~~ | ~~1187~~ | ~~2888~~ | ~~15.51~~ | ~~18.75~~ | ~~12.18~~ | ~~28.57~~ | ~~0.84~~ | ~~21.87~~ |
| ~~04JST575~~ | ~~19.55~~ | ~~1454~~ | ~~2814~~ | ~~188~~ | ~~288~~ | ~~1285~~ | ~~2828~~ | ~~20.28~~ | ~~82.88~~ | ~~20.81~~ | ~~11.28~~ | ~~2.71~~ | ~~28.74~~ |
| ~~04JST576~~ | ~~18.88~~ | ~~1224~~ | ~~2288~~ | ~~148~~ | ~~218~~ | ~~1878~~ | ~~2888~~ | ~~18.58~~ | ~~12.18~~ | ~~18.78~~ | ~~24.88~~ | ~~2.74~~ | ~~18.88~~ |
| ~~04JST577~~ | ~~18.55~~ | ~~1884~~ | ~~2578~~ | ~~151~~ | ~~288~~ | ~~1148~~ | ~~2821~~ | ~~17.18~~ | ~~17.78~~ | ~~14.88~~ | ~~28.85~~ | ~~2.47~~ | ~~18.18~~ |
| ~~04JST578~~ | ~~17.88~~ | ~~1115~~ | ~~2188~~ | ~~218~~ | ~~878~~ | ~~1188~~ | ~~2112~~ | ~~82.87~~ | ~~188.78~~ | ~~11.88~~ | ~~88.87~~ | ~~28.74~~ | ~~78.21~~ |
| ~~04JST579~~ | ~~18.58~~ | ~~1888~~ | ~~2782~~ | ~~188~~ | ~~818~~ | ~~1111~~ | ~~2878~~ | ~~45.88~~ | ~~82.88~~ | ~~42.81~~ | ~~78.18~~ | ~~2.88~~ | ~~18.51~~ |
| ~~04JST580~~ | ~~19.45~~ | ~~1527~~ | ~~2785~~ | ~~182~~ | ~~215~~ | ~~1182~~ | ~~2482~~ | ~~17.14~~ | ~~18.88~~ | ~~14.88~~ | ~~28.72~~ | ~~2.28~~ | ~~18.87~~ |
| ~~04JST581~~ | ~~18.55~~ | ~~1228~~ | ~~2841~~ | ~~141~~ | ~~218~~ | ~~1888~~ | ~~2284~~ | ~~28.88~~ | ~~88.88~~ | ~~18.18~~ | ~~88.27~~ | ~~2.22~~ | ~~28.87~~ |
| ~~04JST577 R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST582~~ | ~~17.18~~ | ~~1278~~ | ~~2888~~ | ~~187~~ | ~~387~~ | ~~1888~~ | ~~2288~~ | ~~28.21~~ | ~~78.81~~ | ~~28.88~~ | ~~18.88~~ | ~~2.31~~ | ~~21.74~~ |
| ~~04JST583~~ | ~~18.78~~ | ~~1588~~ | ~~2828~~ | ~~181~~ | ~~258~~ | ~~1181~~ | ~~2882~~ | ~~28.88~~ | ~~58.87~~ | ~~18.88~~ | ~~87.85~~ | ~~2.81~~ | ~~28.88~~ |
| ~~04JST584~~ | ~~18.88~~ | ~~1855~~ | ~~2822~~ | ~~181~~ | ~~285~~ | ~~882~~ | ~~1882~~ | ~~22.88~~ | ~~58.88~~ | ~~18.81~~ | ~~88.78~~ | ~~2.58~~ | ~~18.72~~ |
| ~~04JST625~~ | ~~18.18~~ | ~~1182~~ | ~~2787~~ | ~~282~~ | ~~151~~ | ~~1288~~ | ~~2287~~ | ~~28.72~~ | ~~87.11~~ | ~~28.88~~ | ~~18.81~~ | ~~2.87~~ | ~~17.17~~ |
| 04JST631 | 18.35 | 1305 | 2428 | 296 | 488 | 1009 | 1937 | 21.33 | 53.48 | 19.20 | 41.33 | 2.09 | 12.00 |
| 04JST645 | 17.65 | 1379 | 2218 | 341 | 515 | 1035 | 1701 | 24.98 | 53.03 | 22.46 | 41.66 | 2.47 | 11.27 |
| 04JST649 | 19.65 | 1249 | 2582 | 290 | 516 | 956 | 2060 | 23.27 | 61.24 | 20.71 | 47.16 | 2.49 | 13.75 |
| 04JST650 | 20.35 | 1124 | 2040 | 281 | 503 | 840 | 1521 | 20.31 | 47.84 | 18.50 | 36.44 | 1.77 | 11.36 |
| 04JST659 | 16.90 | 1075 | 2267 | 234 | 398 | 839 | 1867 | 19.14 | 50.74 | 16.90 | 38.63 | 2.14 | 11.95 |
| ~~04KDT640~~ | ~~28.85~~ | ~~5287~~ | ~~1888~~ | ~~848~~ | ~~188~~ | ~~1817~~ | ~~8888~~ | ~~47.28~~ | ~~88.88~~ | ~~15.81~~ | ~~88.88~~ | ~~1.81~~ | ~~8.22~~ |
| 04JST650 R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| ~~04KDT642~~ | ~~18.18~~ | ~~888~~ | ~~1882~~ | ~~188~~ | ~~281~~ | ~~828~~ | ~~1888~~ | ~~21.58~~ | ~~88.82~~ | ~~22.57~~ | ~~58.18~~ | ~~1.88~~ | ~~12.71~~ |
| ~~04KDT644~~ | ~~18.85~~ | ~~848~~ | ~~1888~~ | ~~188~~ | ~~281~~ | ~~777~~ | ~~1888~~ | ~~28.88~~ | ~~77.88~~ | ~~28.88~~ | ~~88.81~~ | ~~2.21~~ | ~~11.11~~ |
| ~~04KDT646~~ | ~~14.85~~ | ~~882~~ | ~~1812~~ | ~~118~~ | ~~218~~ | ~~572~~ | ~~1882~~ | ~~18.88~~ | ~~55.88~~ | ~~15.81~~ | ~~18.17~~ | ~~1.58~~ | ~~11.88~~ |
| ~~04KDT661~~ | ~~11.88~~ | ~~1884~~ | ~~1882~~ | ~~188~~ | ~~884~~ | ~~887~~ | ~~1715~~ | ~~15.25~~ | ~~11.47~~ | ~~18.85~~ | ~~82.88~~ | ~~1.28~~ | ~~8.82~~ |
| ~~04KDT662~~ | ~~12.88~~ | ~~705~~ | ~~1375~~ | ~~158~~ | ~~258~~ | ~~382~~ | ~~1815~~ | ~~11.28~~ | ~~88.88~~ | ~~18.88~~ | ~~28.57~~ | ~~1.28~~ | ~~8.71~~ |
| ~~04KDT663~~ | ~~11.05~~ | ~~387~~ | ~~1235~~ | ~~100~~ | ~~178~~ | ~~465~~ | ~~1055~~ | ~~7.70~~ | ~~29.68~~ | ~~7.11~~ | ~~23.73~~ | ~~0.58~~ | ~~5.88~~ |
| ~~04KDT664~~ | ~~14.55~~ | ~~828~~ | ~~1884~~ | ~~188~~ | ~~288~~ | ~~784~~ | ~~1888~~ | ~~18.72~~ | ~~18.88~~ | ~~14.85~~ | ~~88.58~~ | ~~1.75~~ | ~~15.28~~ |
| ~~04KDT665~~ | ~~13.28~~ | ~~385~~ | ~~1275~~ | ~~105~~ | ~~222~~ | ~~481~~ | ~~1058~~ | ~~18.74~~ | ~~38.92~~ | ~~9.85~~ | ~~21.58~~ | ~~1.09~~ | ~~8.88~~ |
| ~~04KDT666~~ | ~~18.58~~ | ~~588~~ | ~~1325~~ | ~~182~~ | ~~287~~ | ~~888~~ | ~~1114~~ | ~~18.88~~ | ~~28.87~~ | ~~8.71~~ | ~~28.27~~ | ~~1.14~~ | ~~8.88~~ |
| ~~04KDT667~~ | ~~14.85~~ | ~~874~~ | ~~1885~~ | ~~142~~ | ~~248~~ | ~~528~~ | ~~1142~~ | ~~21.25~~ | ~~74.88~~ | ~~18.88~~ | ~~85.84~~ | ~~1.18~~ | ~~88.82~~ |
| ~~04KDT662 R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KDT668~~ | ~~12.18~~ | ~~1188~~ | ~~1841~~ | ~~288~~ | ~~884~~ | ~~888~~ | ~~1848~~ | ~~11.85~~ | ~~52.48~~ | ~~8.84~~ | ~~87.85~~ | ~~1.28~~ | ~~4.22~~ |
| ~~04KDT669~~ | ~~12.88~~ | ~~481~~ | ~~881~~ | ~~35~~ | ~~32~~ | ~~888~~ | ~~189~~ | ~~88.21~~ | ~~32.88~~ | ~~38.58~~ | ~~23.88~~ | ~~0.42~~ | ~~3.45~~ |
| ~~04KDT670~~ | ~~11.55~~ | ~~845~~ | ~~1524~~ | ~~184~~ | ~~172~~ | ~~555~~ | ~~1551~~ | ~~25.02~~ | ~~55.10~~ | ~~22.20~~ | ~~55.73~~ | ~~2.88~~ | ~~18.24~~ |
| ~~04KDT671~~ | ~~12.85~~ | ~~818~~ | ~~1788~~ | ~~182~~ | ~~288~~ | ~~588~~ | ~~1888~~ | ~~18.88~~ | ~~88.74~~ | ~~3.42~~ | ~~28.48~~ | ~~1.25~~ | ~~12.27~~ |
| ~~04KDT672~~ | ~~12.28~~ | ~~777~~ | ~~1881~~ | ~~188~~ | ~~281~~ | ~~885~~ | ~~1888~~ | ~~11.18~~ | ~~18.78~~ | ~~18.88~~ | ~~28.88~~ | ~~1.28~~ | ~~18.81~~ |
| ~~04KDT673~~ | ~~11.55~~ | ~~828~~ | ~~1528~~ | ~~118~~ | ~~285~~ | ~~488~~ | ~~1881~~ | ~~18.78~~ | ~~18.18~~ | ~~12.88~~ | ~~28.88~~ | ~~1.88~~ | ~~18.15~~ |
| ~~04KDT674~~ | ~~17.78~~ | ~~1882~~ | ~~2841~~ | ~~228~~ | ~~188~~ | ~~851~~ | ~~1881~~ | ~~21.85~~ | ~~88.88~~ | ~~21.11~~ | ~~18.28~~ | ~~2.88~~ | ~~28.85~~ |

**Shear Minerals Ltd.**
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Report No: 04-670
Date: April 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~04KBT675~~ | ~~18.00~~ | ~~1220~~ | ~~2842~~ | ~~248~~ | ~~484~~ | ~~874~~ | ~~2058~~ | ~~27.02~~ | ~~77.84~~ | ~~25.18~~ | ~~57.52~~ | ~~2.78~~ | ~~20.20~~ |
| ~~04KBT676~~ | ~~20.05~~ | ~~1088~~ | ~~3209~~ | ~~248~~ | ~~488~~ | ~~1087~~ | ~~2708~~ | ~~27.78~~ | ~~87.84~~ | ~~24.84~~ | ~~18.88~~ | ~~2.95~~ | ~~18.18~~ |
| ~~04KBT677~~ | ~~16.45~~ | ~~1384~~ | ~~2316~~ | ~~258~~ | ~~413~~ | ~~1120~~ | ~~2034~~ | ~~25.02~~ | ~~87.88~~ | ~~22.15~~ | ~~47.28~~ | ~~2.84~~ | ~~18.88~~ |
| ~~04KBT678 R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KBT679~~ | ~~18.00~~ | ~~1088~~ | ~~2884~~ | ~~258~~ | ~~485~~ | ~~1077~~ | ~~2272~~ | ~~25.84~~ | ~~85.84~~ | ~~22.77~~ | ~~47.88~~ | ~~2.88~~ | ~~18.58~~ |
| ~~04KBT680~~ | ~~18.30~~ | ~~1488~~ | ~~2881~~ | ~~254~~ | ~~458~~ | ~~1178~~ | ~~2187~~ | ~~24.87~~ | ~~87.87~~ | ~~21.88~~ | ~~47.41~~ | ~~2.82~~ | ~~20.41~~ |
| ~~04KBT681~~ | ~~18.25~~ | ~~1088~~ | ~~2855~~ | ~~182~~ | ~~885~~ | ~~1188~~ | ~~2848~~ | ~~24.85~~ | ~~74.58~~ | ~~22.21~~ | ~~58.28~~ | ~~1.85~~ | ~~18.47~~ |
| ~~04KBT682~~ | ~~18.75~~ | ~~1852~~ | ~~2882~~ | ~~215~~ | ~~558~~ | ~~882~~ | ~~2278~~ | ~~88.28~~ | ~~84.88~~ | ~~28.28~~ | ~~75.81~~ | ~~2.81~~ | ~~18.41~~ |
| ~~04KBT683~~ | ~~18.85~~ | ~~1188~~ | ~~2758~~ | ~~215~~ | ~~425~~ | ~~882~~ | ~~2828~~ | ~~88.87~~ | ~~85.78~~ | ~~81.87~~ | ~~78.88~~ | ~~2.88~~ | ~~18.81~~ |
| ~~04KBT684~~ | ~~18.30~~ | ~~1171~~ | ~~2888~~ | ~~188~~ | ~~841~~ | ~~878~~ | ~~2847~~ | ~~25.88~~ | ~~75.12~~ | ~~28.88~~ | ~~57.58~~ | ~~2.81~~ | ~~17.58~~ |
| ~~04KBT685~~ | ~~14.55~~ | ~~837~~ | ~~1779~~ | ~~158~~ | ~~248~~ | ~~785~~ | ~~1525~~ | ~~11.71~~ | ~~41.18~~ | ~~18.81~~ | ~~82.78~~ | ~~1.72~~ | ~~14.88~~ |
| ~~04KBT686~~ | ~~16.15~~ | ~~1047~~ | ~~2185~~ | ~~182~~ | ~~888~~ | ~~885~~ | ~~1858~~ | ~~22.81~~ | ~~81.18~~ | ~~18.78~~ | ~~18.72~~ | ~~2.28~~ | ~~18.12~~ |
| ~~04KBT687~~ | ~~17.00~~ | ~~1042~~ | ~~2482~~ | ~~158~~ | ~~218~~ | ~~588~~ | ~~2258~~ | ~~17.47~~ | ~~88.87~~ | ~~15.54~~ | ~~48.84~~ | ~~1.58~~ | ~~18.84~~ |
| ~~04KBT688 R~~ | ~~14.55~~ | ~~1075~~ | ~~2278~~ | ~~182~~ | ~~581~~ | ~~858~~ | ~~1587~~ | ~~21.78~~ | ~~52.82~~ | ~~18.24~~ | ~~88.87~~ | ~~2.81~~ | ~~18.12~~ |
| ~~04KBT689~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KBT690~~ | ~~15.45~~ | ~~988~~ | ~~2484~~ | ~~184~~ | ~~288~~ | ~~755~~ | ~~1888~~ | ~~17.88~~ | ~~48.84~~ | ~~15.74~~ | ~~88.88~~ | ~~2.84~~ | ~~15.87~~ |
| ~~04KBT691~~ | ~~15.55~~ | ~~1158~~ | ~~2851~~ | ~~178~~ | ~~288~~ | ~~888~~ | ~~2884~~ | ~~17.88~~ | ~~44.47~~ | ~~14.78~~ | ~~28.85~~ | ~~2.27~~ | ~~15.88~~ |
| ~~04KBT692~~ | ~~18.28~~ | ~~1272~~ | ~~2884~~ | ~~188~~ | ~~278~~ | ~~1888~~ | ~~2488~~ | ~~28.84~~ | ~~58.88~~ | ~~18.84~~ | ~~84.88~~ | ~~2.78~~ | ~~24.88~~ |
| ~~04KBT693~~ | ~~16.18~~ | ~~1882~~ | ~~2858~~ | ~~187~~ | ~~274~~ | ~~824~~ | ~~2872~~ | ~~18.18~~ | ~~18.18~~ | ~~18.28~~ | ~~88.28~~ | ~~2.28~~ | ~~18.87~~ |
| ~~04KBT694~~ | ~~17.85~~ | ~~1185~~ | ~~2411~~ | ~~175~~ | ~~322~~ | ~~824~~ | ~~2115~~ | ~~25.82~~ | ~~84.28~~ | ~~22.88~~ | ~~18.84~~ | ~~2.88~~ | ~~17.82~~ |
| ~~04KBT695~~ | ~~17.00~~ | ~~975~~ | ~~2107~~ | ~~144~~ | ~~243~~ | ~~828~~ | ~~1858~~ | ~~17.22~~ | ~~48.18~~ | ~~15.15~~ | ~~81.25~~ | ~~2.88~~ | ~~14.78~~ |
| ~~04KBT696~~ | ~~15.18~~ | ~~708~~ | ~~1818~~ | ~~188~~ | ~~188~~ | ~~888~~ | ~~1128~~ | ~~18.84~~ | ~~52.28~~ | ~~18.88~~ | ~~88.58~~ | ~~2.82~~ | ~~18.84~~ |
| ~~04KBT697~~ | ~~15.05~~ | ~~887~~ | ~~2884~~ | ~~148~~ | ~~288~~ | ~~818~~ | ~~1822~~ | ~~18.78~~ | ~~12.85~~ | ~~17.12~~ | ~~28.21~~ | ~~2.82~~ | ~~14.87~~ |
| ~~04KBT698~~ | ~~15.70~~ | ~~666~~ | ~~1446~~ | ~~99~~ | ~~472~~ | ~~564~~ | ~~1248~~ | ~~14.87~~ | ~~28.54~~ | ~~12.70~~ | ~~28.88~~ | ~~1.47~~ | ~~9.55~~ |
| ~~04KBT699~~ | ~~18.15~~ | ~~858~~ | ~~2245~~ | ~~182~~ | ~~277~~ | ~~884~~ | ~~1888~~ | ~~18.87~~ | ~~18.11~~ | ~~18.82~~ | ~~28.88~~ | ~~2.11~~ | ~~18.85~~ |
| ~~04KBT700 R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KBT583~~ | ~~18.85~~ | ~~1851~~ | ~~2715~~ | ~~218~~ | ~~187~~ | ~~1185~~ | ~~2885~~ | ~~28.84~~ | ~~51.88~~ | ~~18.85~~ | ~~82.18~~ | ~~2.78~~ | ~~18.28~~ |
| ~~04KBT600~~ | ~~16.50~~ | ~~700~~ | ~~2566~~ | ~~144~~ | ~~282~~ | ~~588~~ | ~~2888~~ | ~~25.88~~ | ~~85.58~~ | ~~22.85~~ | ~~68.48~~ | ~~2.24~~ | ~~17.48~~ |
| 04SHT584 | 14.15 | 819 | 1494 | 218 | 318 | 598 | 1173 | 14.85 | 31.18 | 13.36 | 22.74 | 1.49 | 8.32 |
| 04SHT585 | 15.45 | 1120 | 1973 | 295 | 443 | 822 | 1526 | 22.23 | 44.13 | 20.06 | 34.15 | 2.16 | 9.84 |
| 04SHT590 | 20.30 | 1261 | 2631 | 328 | 585 | 930 | 2035 | 22.75 | 54.53 | 20.65 | 41.53 | 2.07 | 12.84 |
| 04SHT592 | 13.80 | 861 | 1774 | 248 | 471 | 611 | 1301 | 20.10 | 41.70 | 18.45 | 31.65 | 1.63 | 9.96 |
| 04SHT593 | 16.05 | 777 | 1832 | 204 | 401 | 570 | 1428 | 14.02 | 34.01 | 12.68 | 25.41 | 1.30 | 8.45 |
| 04SHT597 | 15.15 | 714 | 1687 | 185 | 284 | 526 | 1398 | 10.48 | 26.11 | 9.36 | 19.45 | 1.10 | 6.56 |
| ~~04SHT183~~ | ~~18.50~~ | ~~1038~~ | ~~2481~~ | ~~237~~ | ~~538~~ | ~~888~~ | ~~1888~~ | ~~22.28~~ | ~~82.07~~ | ~~28.22~~ | ~~47.12~~ | ~~2.88~~ | ~~15.44~~ |
| ~~04SHT187~~ | ~~20.00~~ | ~~1608~~ | ~~4668~~ | ~~574~~ | ~~184~~ | ~~1886~~ | ~~1478~~ | ~~47.00~~ | ~~38.84~~ | ~~[illegible]~~ | ~~[illegible]~~ | ~~1.90~~ | ~~8.69~~ |
| 04SHT592 R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| ~~04SHT215~~ | ~~18.85~~ | ~~1281~~ | ~~2888~~ | ~~248~~ | ~~511~~ | ~~851~~ | ~~2151~~ | ~~81.58~~ | ~~88.78~~ | ~~81.88~~ | ~~78.88~~ | ~~2.78~~ | ~~18.88~~ |
| ~~04SHT216~~ | ~~18.88~~ | ~~2111~~ | ~~8588~~ | ~~181~~ | ~~588~~ | ~~1878~~ | ~~2885~~ | ~~88.85~~ | ~~182.88~~ | ~~85.85~~ | ~~158.12~~ | ~~1.88~~ | ~~28.20~~ |
| ~~04SHT217~~ | ~~18.88~~ | ~~2188~~ | ~~5732~~ | ~~288~~ | ~~687~~ | ~~1312~~ | ~~5122~~ | ~~30.18~~ | ~~119.38~~ | ~~28.15~~ | ~~105.99~~ | ~~2.01~~ | ~~15.29~~ |

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Report No: 04-670
Date: April 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~04SMT220~~ | ~~20.05~~ | ~~1087~~ | ~~3288~~ | ~~258~~ | ~~438~~ | ~~1627~~ | ~~2729~~ | ~~33.38~~ | ~~91.08~~ | ~~30.63~~ | ~~68.80~~ | ~~2.94~~ | ~~22.14~~ |
| ~~04SMT221~~ | ~~18.85~~ | ~~1247~~ | ~~2814~~ | ~~266~~ | ~~343~~ | ~~1041~~ | ~~2488~~ | ~~23.43~~ | ~~66.65~~ | ~~20.77~~ | ~~47.31~~ | ~~2.70~~ | ~~18.30~~ |
| ~~04SMT222~~ | ~~17.55~~ | ~~822~~ | ~~2281~~ | ~~172~~ | ~~848~~ | ~~747~~ | ~~1812~~ | ~~17.84~~ | ~~54.88~~ | ~~18.87~~ | ~~38.77~~ | ~~1.88~~ | ~~15.82~~ |
| ~~04SMT224~~ | ~~20.65~~ | ~~1284~~ | ~~3124~~ | ~~250~~ | ~~457~~ | ~~1651~~ | ~~2884~~ | ~~28.88~~ | ~~84.87~~ | ~~24.38~~ | ~~61.17~~ | ~~3.38~~ | ~~22.74~~ |

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## Kimberlite Indicator Minerals

| Sample Number | FM+ g | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~04JST572~~ | ~~0.25~~ | ~~1.18~~ | | ~~17.18~~ | ~~2.18~~ | ~~1.18~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST573~~ | ~~0.81~~ | ~~1.58~~ | | ~~18.58~~ | ~~1.87~~ | ~~2.58~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST574~~ | ~~0.81~~ | ~~1.87~~ | | ~~18.81~~ | ~~2.88~~ | ~~0.88~~ | ~~0~~ | ~~1~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST575~~ | ~~0.88~~ | ~~1.11~~ | | ~~17.11~~ | ~~2.82~~ | ~~2.11~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST576~~ | ~~0.58~~ | ~~1.18~~ | | ~~18.28~~ | ~~2.85~~ | ~~0.81~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST577~~ | ~~0.81~~ | ~~1.85~~ | | ~~15.17~~ | ~~2.15~~ | ~~1.82~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST578~~ | ~~0.88~~ | ~~1.88~~ | ~~17.88~~ | ~~88.81~~ | ~~2.88~~ | ~~0.88~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST579~~ | ~~0.87~~ | ~~1.11~~ | | ~~16.88~~ | ~~1.88~~ | ~~2.19~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST580~~ | ~~0.88~~ | ~~1.81~~ | | ~~16.88~~ | ~~1.81~~ | ~~2.82~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST581~~ | ~~0.48~~ | ~~2.88~~ | | ~~18.88~~ | ~~1.79~~ | ~~2.28~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST577 R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST582~~ | ~~0.18~~ | ~~1.78~~ | | ~~18.88~~ | ~~2.12~~ | ~~0.18~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST583~~ | ~~0.58~~ | ~~1.57~~ | | ~~18.88~~ | ~~2.85~~ | ~~2.58~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST584~~ | ~~0.54~~ | ~~2.54~~ | | ~~12.88~~ | ~~1.88~~ | ~~2.28~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST625~~ | ~~0.88~~ | ~~2.88~~ | | ~~11.81~~ | ~~2.84~~ | ~~2.11~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST631 | 0.66 | 3.11 | ~ | 7.17 | 1.40 | 1.68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST645 | 0.80 | 2.63 | ~ | 7.13 | 1.64 | 1.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST649 | 0.78 | 3.12 | ~ | 8.76 | 1.69 | 1.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST650 | 0.48 | 2.71 | ~ | 6.73 | 1.26 | 1.88 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04JST659 | 0.52 | 2.16 | ~ | 8.66 | 1.60 | 1.11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04KBT640~~ | ~~0.58~~ | ~~1.84~~ | | ~~8.88~~ | ~~1.88~~ | ~~1.57~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST650 R | N/R | N/R | N/R | N/R | N/R | N/R | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04KBT642~~ | ~~0.82~~ | ~~2.88~~ | | ~~8.78~~ | ~~1.85~~ | ~~1.88~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT644~~ | ~~0.77~~ | ~~8.58~~ | | ~~8.52~~ | ~~1.41~~ | ~~2.84~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT648~~ | ~~0.53~~ | ~~2.21~~ | | ~~6.82~~ | ~~1.84~~ | ~~1.47~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT661~~ | ~~0.42~~ | ~~2.24~~ | | ~~8.84~~ | ~~0.82~~ | ~~0.72~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT662~~ | ~~0.37~~ | ~~2.34~~ | | ~~8.68~~ | ~~0.81~~ | ~~1.27~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT663~~ | ~~0.45~~ | ~~1.18~~ | | ~~8.88~~ | ~~0.88~~ | ~~0.58~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT664~~ | ~~0.58~~ | ~~0.48~~ | | ~~18.75~~ | ~~1.17~~ | ~~0.88~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT665~~ | ~~0.84~~ | ~~2.84~~ | | ~~8.48~~ | ~~0.75~~ | ~~0.51~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT666~~ | ~~0.34~~ | ~~2.84~~ | | ~~5.73~~ | ~~0.77~~ | ~~1.28~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT667~~ | ~~0.25~~ | ~~7.84~~ | | ~~88.58~~ | ~~2.48~~ | ~~0.88~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT668 R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT669~~ | ~~0.88~~ | ~~0.88~~ | | ~~2.75~~ | ~~0.88~~ | ~~0.58~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT670~~ | | ~~1.58~~ | | ~~8.84~~ | ~~0.42~~ | ~~1.28~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT670~~ | ~~1.17~~ | ~~1.58~~ | | ~~8.78~~ | ~~1.88~~ | ~~0.84~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT671~~ | ~~0.32~~ | ~~2.03~~ | | ~~8.74~~ | ~~0.33~~ | ~~1.48~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT672~~ | ~~0.37~~ | ~~2.19~~ | ~~~~ | ~~8.07~~ | ~~0.90~~ | ~~0.00~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT673~~ | ~~0.39~~ | ~~2.16~~ | | ~~8.88~~ | ~~0.94~~ | ~~1.44~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT674~~ | ~~0.81~~ | ~~4.32~~ | | ~~15.15~~ | ~~2.03~~ | ~~0.88~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |

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Samples: 84

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Report No: 04-670
Date: April 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | FM+ g | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04KBT675 | 0.78 | 1.82 | | 10.58 | 1.91 | 2.71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT676 | 0.88 | 1.47 | | 12.08 | 1.87 | 2.18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT677 | 1.28 | 3.88 | | 18.12 | 2.08 | 1.18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT678 R | N/R | N/R | N/R | N/R | N/R | N/R | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT678 | 0.78 | 3.88 | | 13.58 | 2.04 | 1.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT679 | 0.88 | 3.84 | | 15.08 | 2.11 | 1.21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT680 | 0.88 | 3.88 | | 7.77 | 1.18 | 1.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT681 | 0.77 | 5.88 | | 12.18 | 1.25 | 1.82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT682 | 0.93 | 5.18 | | 11.28 | 1.88 | 2.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT683 | 0.58 | 3.88 | | 12.88 | 1.75 | 1.82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT684 | 0.88 | 4.55 | | 8.81 | 1.81 | 3.05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT685 | 0.88 | 1.78 | | 8.88 | 1.11 | 2.87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT686 | 0.88 | 1.18 | | 7.78 | 1.05 | 1.87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT687 | 0.88 | 2.01 | | 10.68 | 1.88 | 1.12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT688 R | N/R | N/R | N/R | N/R | N/R | N/R | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT688 | 0.81 | 2.55 | | 11.47 | 1.88 | 1.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT689 | 0.18 | 1.88 | | 11.80 | 1.78 | 1.24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT690 | 0.77 | 2.78 | | 15.81 | 2.88 | 2.88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT691 | 0.47 | 2.28 | | 8.71 | 1.71 | 3.88 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 04KBT692 | 0.88 | 2.31 | | 13.33 | 2.03 | 1.28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT693 | 0.53 | 2.88 | | 10.24 | 1.47 | 1.82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT694 | 0.87 | 1.81 | | 7.18 | 1.05 | 1.81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT695 | 0.78 | 2.18 | | 10.78 | 1.88 | 0.88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT696 | 0.18 | 0.45 | | 8.75 | 1.88 | 0.81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT697 | 0.79 | 2.71 | | 11.88 | 1.78 | 2.11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT698 R | N/R | N/R | N/R | N/R | N/R | N/R | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT698 | 1.47 | 1.45 | | 12.18 | 2.28 | 2.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04KBT699 | 1.88 | 3.88 | | 10.28 | 1.33 | 2.38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT584 | 0.37 | 1.40 | ~ | 5.34 | 1.12 | 1.55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT585 | 0.58 | 1.81 | ~ | 6.22 | 1.57 | 1.77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT590 | 0.50 | 2.44 | ~ | 9.18 | 1.57 | 1.21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT592 | 0.41 | 2.02 | ~ | 5.90 | 1.21 | 2.02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT593 | 0.31 | 1.50 | ~ | 6.16 | 0.99 | 0.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT597 | 0.23 | 1.18 | ~ | 4.14 | 0.87 | 1.22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT163 | 0.69 | 4.10 | ~ | 10.00 | 1.34 | 1.03 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04SHT197 | 0.48 | 1.84 | | 5.08 | 1.43 | 1.87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT592 R | N/R | N/R | N/R | N/R | N/R | N/R | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT245 | 1.02 | 5.42 | | 11.58 | 1.78 | 2.07 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT246 | 0.94 | 7.05 | | 15.87 | 2.05 | 1.47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT247 | 0.84 | 3.75 | | 8.81 | 1.17 | 0.74 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

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Report No: 04-670
Date: April 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | FM+ g | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~04SMT220~~ | ~~0.93~~ | ~~4.17~~ | | ~~14.95~~ | ~~1.99~~ | ~~3.18~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04SMT221~~ | ~~0.63~~ | ~~3.10~~ | | ~~14.17~~ | ~~2.06~~ | ~~4.09~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04SMT222~~ | ~~1.95~~ | ~~2.70~~ | | ~~10.21~~ | ~~0.51~~ | ~~2.07~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04SMT224~~ | ~~1.84~~ | ~~5.94~~ | | ~~15.87~~ | ~~2.88~~ | ~~1.88~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |

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Report No: 04-670
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## Kimberlite Indicator Minerals

| Sample Number | Olv - Counts | LW+Obs g | LW+ % | LW-Obs g | LW- % | LWT Obs g | LWT % | Picroilm+ Counts | Picroilm- Counts | Chr + Counts | Chr - Counts | UP+Obs g | UP+ % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~04JST573~~ | ~~0~~ | ~~2.20~~ | ~~100~~ | ~~1.00~~ | ~~100~~ | ~~3.20~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST575~~ | ~~0~~ | ~~1.50~~ | ~~100~~ | ~~2.20~~ | ~~100~~ | ~~3.70~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST574~~ | ~~0~~ | ~~3.00~~ | ~~100~~ | ~~0.00~~ | ~~100~~ | ~~3.00~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST575~~ | ~~0~~ | ~~2.20~~ | ~~100~~ | ~~2.40~~ | ~~100~~ | ~~4.40~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST576~~ | ~~0~~ | ~~2.20~~ | ~~100~~ | ~~0.70~~ | ~~100~~ | ~~2.90~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST577~~ | ~~0~~ | ~~2.10~~ | ~~100~~ | ~~1.00~~ | ~~100~~ | ~~3.10~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST578~~ | ~~0~~ | ~~2.00~~ | ~~100~~ | ~~1.00~~ | ~~100~~ | ~~3.00~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~17.00~~ | ~~100~~ |
| ~~04JST579~~ | ~~0~~ | ~~1.90~~ | ~~100~~ | ~~1.80~~ | ~~100~~ | ~~3.70~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST580~~ | ~~0~~ | ~~1.00~~ | ~~100~~ | ~~2.00~~ | ~~100~~ | ~~3.00~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST581~~ | ~~0~~ | ~~1.71~~ | ~~100~~ | ~~2.20~~ | ~~100~~ | ~~3.91~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~1~~ | ~~0~~ | ~~0~~ |
| ~~04JST577 R~~ | ~~0~~ | ~~2.10~~ | ~~100~~ | ~~1.00~~ | ~~100~~ | ~~3.10~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST582~~ | ~~0~~ | ~~2.10~~ | ~~100~~ | ~~2.00~~ | ~~100~~ | ~~4.00~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST583~~ | ~~0~~ | ~~2.00~~ | ~~100~~ | ~~2.00~~ | ~~100~~ | ~~4.00~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST584~~ | ~~0~~ | ~~1.90~~ | ~~100~~ | ~~2.10~~ | ~~100~~ | ~~4.00~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04JST625~~ | ~~0~~ | ~~2.00~~ | ~~100~~ | ~~1.70~~ | ~~100~~ | ~~3.70~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST631 | 0 | 1.40 | 100 | 1.30 | 100 | 2.70 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST645 | 0 | 1.54 | 100 | 1.05 | 100 | 2.59 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST649 | 0 | 1.60 | 100 | 1.30 | 100 | 2.90 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST650 | 3 | 1.20 | 100 | 1.20 | 100 | 2.40 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST659 | 0 | 1.50 | 100 | 0.69 | 100 | 2.19 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04KBT640~~ | ~~0~~ | ~~0.07~~ | ~~100~~ | ~~1.01~~ | ~~100~~ | ~~2.10~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04JST650 R | 0 | 1.20 | 100 | 1.20 | 100 | 2.40 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04KBT642~~ | ~~0~~ | ~~1.20~~ | ~~100~~ | ~~1.00~~ | ~~100~~ | ~~2.20~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT644~~ | ~~0~~ | ~~1.00~~ | ~~100~~ | ~~1.01~~ | ~~100~~ | ~~2.01~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT648~~ | ~~0~~ | ~~0.00~~ | ~~100~~ | ~~1.10~~ | ~~100~~ | ~~2.00~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT661~~ | ~~0~~ | ~~0.72~~ | ~~100~~ | ~~0.61~~ | ~~100~~ | ~~1.33~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT662~~ | ~~0~~ | ~~0.69~~ | ~~100~~ | ~~0.81~~ | ~~100~~ | ~~1.50~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT663~~ | ~~0~~ | ~~0.29~~ | ~~100~~ | ~~0.48~~ | ~~100~~ | ~~0.77~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT664~~ | ~~0~~ | ~~1.17~~ | ~~100~~ | ~~0.97~~ | ~~100~~ | ~~2.14~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT665~~ | ~~0~~ | ~~0.70~~ | ~~100~~ | ~~0.00~~ | ~~100~~ | ~~1.00~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT666~~ | ~~0~~ | ~~0.70~~ | ~~100~~ | ~~0.00~~ | ~~100~~ | ~~1.00~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT667~~ | ~~0~~ | ~~2.00~~ | ~~100~~ | ~~0.70~~ | ~~100~~ | ~~2.70~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT668 R~~ | ~~0~~ | ~~0.29~~ | ~~100~~ | ~~0.48~~ | ~~100~~ | ~~0.77~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT669~~ | ~~0~~ | ~~0.00~~ | ~~100~~ | ~~0.07~~ | ~~100~~ | ~~1.17~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT670~~ | ~~0~~ | ~~0.00~~ | ~~100~~ | ~~0.00~~ | ~~100~~ | ~~1.20~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT670~~ | ~~1~~ | ~~1.50~~ | ~~100~~ | ~~0.40~~ | ~~100~~ | ~~1.90~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT671~~ | ~~0~~ | ~~0.90~~ | ~~100~~ | ~~1.40~~ | ~~100~~ | ~~2.30~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT672~~ | ~~0~~ | ~~0.00~~ | ~~100~~ | ~~0.40~~ | ~~100~~ | ~~1.00~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT673~~ | ~~0~~ | ~~0.92~~ | ~~100~~ | ~~1.41~~ | ~~100~~ | ~~2.33~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT674~~ | ~~0~~ | ~~2.00~~ | ~~100~~ | ~~0.50~~ | ~~100~~ | ~~2.50~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |

**Shear Minerals Ltd.**
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Samples: 84

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Report No: 04-670
Date: April 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | Olv - Counts | LW+Obs g | LW+ % | LW-Obs g | LW- % | LWT Obs g | LWT % | Picroilm+ Counts | Picroilm- Counts | Chr + Counts | Chr - Counts | UP+Obs g | UP+ % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~04KBT675~~ | ~~0~~ | ~~1.85~~ | ~~100~~ | ~~2.67~~ | ~~100~~ | ~~4.52~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT676~~ | ~~0~~ | ~~1.00~~ | ~~100~~ | ~~1.00~~ | ~~100~~ | ~~2.70~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT677~~ | ~~0~~ | ~~1.00~~ | ~~100~~ | ~~0.00~~ | ~~100~~ | ~~2.70~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT669 R~~ | ~~0~~ | ~~0.00~~ | ~~100~~ | ~~0.00~~ | ~~100~~ | ~~1.20~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT678~~ | ~~0~~ | ~~1.00~~ | ~~100~~ | ~~0.70~~ | ~~100~~ | ~~2.00~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT679~~ | ~~0~~ | ~~2.10~~ | ~~100~~ | ~~0.00~~ | ~~100~~ | ~~0.00~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT680~~ | ~~0~~ | ~~1.10~~ | ~~100~~ | ~~1.00~~ | ~~100~~ | ~~2.10~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT681~~ | ~~0~~ | ~~1.20~~ | ~~100~~ | ~~0.70~~ | ~~100~~ | ~~1.90~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT682~~ | ~~0~~ | ~~1.50~~ | ~~100~~ | ~~1.00~~ | ~~100~~ | ~~2.10~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT683~~ | ~~0~~ | ~~1.00~~ | ~~100~~ | ~~1.51~~ | ~~100~~ | ~~2.17~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT684~~ | ~~0~~ | ~~0.91~~ | ~~100~~ | ~~0.70~~ | ~~100~~ | ~~1.70~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT685~~ | ~~0~~ | ~~1.30~~ | ~~100~~ | ~~1.50~~ | ~~100~~ | ~~2.80~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT686~~ | ~~0~~ | ~~1.20~~ | ~~100~~ | ~~1.10~~ | ~~100~~ | ~~2.30~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT687~~ | ~~0~~ | ~~1.70~~ | ~~100~~ | ~~1.01~~ | ~~100~~ | ~~2.70~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT688 R~~ | ~~0~~ | ~~1.10~~ | ~~100~~ | ~~1.00~~ | ~~100~~ | ~~2.10~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT688~~ | ~~0~~ | ~~1.60~~ | ~~100~~ | ~~1.60~~ | ~~100~~ | ~~3.20~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT689~~ | ~~0~~ | ~~1.68~~ | ~~100~~ | ~~1.14~~ | ~~100~~ | ~~2.82~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT690~~ | ~~0~~ | ~~2.00~~ | ~~100~~ | ~~2.00~~ | ~~100~~ | ~~4.00~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT691~~ | ~~0~~ | ~~1.70~~ | ~~100~~ | ~~1.10~~ | ~~100~~ | ~~2.80~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT692~~ | ~~0~~ | ~~1.98~~ | ~~100~~ | ~~1.22~~ | ~~100~~ | ~~3.20~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT693~~ | ~~0~~ | ~~1.40~~ | ~~100~~ | ~~1.40~~ | ~~100~~ | ~~2.80~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT694~~ | ~~0~~ | ~~0.90~~ | ~~100~~ | ~~0.90~~ | ~~100~~ | ~~1.80~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT695~~ | ~~0~~ | ~~1.70~~ | ~~100~~ | ~~0.82~~ | ~~100~~ | ~~2.61~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT696~~ | ~~0~~ | ~~1.28~~ | ~~100~~ | ~~0.27~~ | ~~100~~ | ~~1.55~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT697~~ | ~~0~~ | ~~1.10~~ | ~~100~~ | ~~1.50~~ | ~~100~~ | ~~2.90~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT696 R~~ | ~~0~~ | ~~1.28~~ | ~~100~~ | ~~0.27~~ | ~~100~~ | ~~1.55~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT698~~ | ~~0~~ | ~~2.20~~ | ~~100~~ | ~~0.50~~ | ~~100~~ | ~~1.70~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04KBT699~~ | ~~0~~ | ~~2.80~~ | ~~100~~ | ~~0.00~~ | ~~100~~ | ~~0.70~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~10.20~~ | ~~100~~ |
| 04SHT584 | 0 | 1.14 | 100 | 1.57 | 100 | 2.71 | 100 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04SHT585 | 2 | 1.20 | 100 | 1.40 | 100 | 2.60 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT590 | 0 | 1.58 | 100 | 1.24 | 100 | 2.82 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT592 | 0 | 1.20 | 100 | 1.70 | 100 | 2.90 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT593 | 1 | 1.00 | 100 | 0.70 | 100 | 1.70 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT597 | 0 | 0.70 | 100 | 0.90 | 100 | 1.60 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04SHT163~~ | ~~2~~ | ~~1.10~~ | ~~100~~ | ~~0.70~~ | ~~100~~ | ~~2.10~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04SHT197~~ | ~~0~~ | ~~1.40~~ | ~~100~~ | ~~0.80~~ | ~~100~~ | ~~2.20~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| 04SHT592 R | 0 | 1.20 | 100 | 1.70 | 100 | 2.90 | 100 | 0 | 0 | 0 | 0 | 0 | 0 |
| ~~04SHT215~~ | ~~0~~ | ~~1.80~~ | ~~100~~ | ~~2.50~~ | ~~100~~ | ~~4.30~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04SHT216~~ | ~~0~~ | ~~2.10~~ | ~~100~~ | ~~1.80~~ | ~~100~~ | ~~3.10~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04SHT217~~ | ~~1~~ | ~~1.20~~ | ~~100~~ | ~~0.50~~ | ~~100~~ | ~~1.70~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |

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Report No: 04-670
Date: April 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | Olv - Counts | LW+Obs g | LW+ % | LW-Obs g | LW- % | LWT Obs g | LWT % | Picroilm+ Counts | Picroilm- Counts | Chr + Counts | Chr - Counts | UP+Obs g | UP+ % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~04SMT220~~ | ~~0~~ | ~~1.80~~ | ~~100~~ | ~~2.10~~ | ~~100~~ | ~~3.80~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04SMT221~~ | ~~1~~ | ~~2.00~~ | ~~100~~ | ~~3.00~~ | ~~100~~ | ~~2.00~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04SMT222~~ | ~~0~~ | ~~0.35~~ | ~~100~~ | ~~2.04~~ | ~~100~~ | ~~2.50~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04SMT224~~ | ~~0~~ | ~~1.70~~ | ~~100~~ | ~~1.60~~ | ~~100~~ | ~~2.70~~ | ~~100~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |

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Report No: 04-670
Date: April 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | UP-Obs g | UP- % | UPT Obs g | UPT % | Others Counts | -0.250 g |
|---|---|---|---|---|---|---|
| ~~04JST572~~ | ~~8.80~~ | ~~57~~ | ~~8.80~~ | ~~57~~ | ~~0~~ | ~~8.80~~ |
| ~~04JST573~~ | ~~2.80~~ | ~~24~~ | ~~2.80~~ | ~~24~~ | ~~0~~ | ~~5.20~~ |
| ~~04JST574~~ | ~~6.60~~ | ~~42~~ | ~~6.60~~ | ~~42~~ | ~~0~~ | ~~5.50~~ |
| ~~04JST575~~ | ~~3.80~~ | ~~24~~ | ~~3.80~~ | ~~24~~ | ~~0~~ | ~~0~~ |
| ~~04JST576~~ | ~~8.70~~ | ~~28~~ | ~~8.70~~ | ~~28~~ | ~~0~~ | ~~5.10~~ |
| ~~04JST577~~ | ~~3.90~~ | ~~30~~ | ~~3.90~~ | ~~30~~ | ~~0~~ | ~~0~~ |
| ~~04JST578~~ | ~~11.10~~ | ~~17~~ | ~~28.80~~ | ~~45~~ | ~~0~~ | ~~0~~ |
| ~~04JST579~~ | ~~13.10~~ | ~~100~~ | ~~13.10~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04JST580~~ | ~~12.20~~ | ~~100~~ | ~~12.20~~ | ~~100~~ | ~~0~~ | ~~1.20~~ |
| ~~04JST581~~ | ~~10.81~~ | ~~100~~ | ~~10.81~~ | ~~100~~ | ~~0~~ | ~~2.10~~ |
| ~~04JST577 R~~ | ~~3.90~~ | ~~30~~ | ~~3.90~~ | ~~30~~ | ~~0~~ | ~~0~~ |
| ~~04JST582~~ | ~~8.80~~ | ~~24~~ | ~~8.80~~ | ~~24~~ | ~~0~~ | ~~8.10~~ |
| ~~04JST583~~ | ~~15.10~~ | ~~100~~ | ~~15.10~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04JST584~~ | ~~1.80~~ | ~~51~~ | ~~1.80~~ | ~~51~~ | ~~0~~ | ~~0~~ |
| ~~04JST625~~ | ~~3.30~~ | ~~33~~ | ~~3.30~~ | ~~33~~ | ~~0~~ | ~~2.80~~ |
| 04JST631 | 5.60 | 100 | 5.60 | 100 | 0 | 2.10 |
| 04JST645 | 5.01 | 100 | 5.01 | 100 | 0 | 0 |
| 04JST649 | 6.20 | 100 | 6.20 | 100 | 0 | 2.90 |
| 04JST650 | 4.70 | 100 | 4.70 | 100 | 0 | 2.50 |
| 04JST659 | 5.92 | 100 | 5.92 | 100 | 0 | 0 |
| ~~04KDT640~~ | ~~8.01~~ | ~~100~~ | ~~8.01~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| 04JST650 R | 4.70 | 100 | 4.70 | 100 | 0 | 2.50 |
| ~~04KDT642~~ | ~~8.70~~ | ~~100~~ | ~~8.70~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KDT644~~ | ~~5.01~~ | ~~100~~ | ~~5.01~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KDT648~~ | ~~5.10~~ | ~~100~~ | ~~5.10~~ | ~~100~~ | ~~0~~ | ~~1.70~~ |
| ~~04KDT661~~ | ~~5.30~~ | ~~100~~ | ~~5.30~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KDT662~~ | ~~1.50~~ | ~~100~~ | ~~1.50~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KDT663~~ | ~~8.70~~ | ~~100~~ | ~~8.70~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KDT664~~ | ~~8.87~~ | ~~100~~ | ~~8.87~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KDT665~~ | ~~1.50~~ | ~~100~~ | ~~1.50~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KDT666~~ | ~~4.20~~ | ~~100~~ | ~~4.20~~ | ~~100~~ | ~~0~~ | ~~1.70~~ |
| ~~04KDT667~~ | ~~10.80~~ | ~~70~~ | ~~10.80~~ | ~~70~~ | ~~0~~ | ~~3.80~~ |
| ~~04KDT663 R~~ | ~~3.72~~ | ~~100~~ | ~~3.72~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KDT668~~ | ~~2.63~~ | ~~100~~ | ~~2.63~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KDT669~~ | ~~5.20~~ | ~~100~~ | ~~5.20~~ | ~~100~~ | ~~0~~ | ~~1.45~~ |
| ~~04KDT670~~ | ~~3.20~~ | ~~51~~ | ~~3.20~~ | ~~51~~ | ~~0~~ | ~~3.50~~ |
| ~~04KDT671~~ | ~~8.70~~ | ~~100~~ | ~~8.70~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KDT672~~ | ~~8.80~~ | ~~100~~ | ~~8.80~~ | ~~100~~ | ~~0~~ | ~~1.50~~ |
| ~~04KDT673~~ | ~~8.70~~ | ~~100~~ | ~~8.70~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KDT674~~ | ~~4.10~~ | ~~38~~ | ~~4.10~~ | ~~38~~ | ~~0~~ | ~~4.50~~ |

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Report No: 04-670
Date: April 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | UP-Obs g | UP- % | UPT Obs g | UPT % | Others Counts | -0.250 g |
|---|---|---|---|---|---|---|
| ~~04KBT675~~ | ~~10.00~~ | ~~100~~ | ~~10.00~~ | ~~100~~ | ~~0~~ | ~~2.86~~ |
| ~~04KBT676~~ | ~~2.50~~ | ~~22~~ | ~~2.50~~ | ~~22~~ | ~~0~~ | ~~2.50~~ |
| ~~04KBT677~~ | ~~2.70~~ | ~~25~~ | ~~2.70~~ | ~~25~~ | ~~0~~ | ~~2.70~~ |
| ~~04KBT660 R~~ | ~~5.00~~ | ~~100~~ | ~~5.30~~ | ~~100~~ | ~~0~~ | ~~1.45~~ |
| ~~04KBT678~~ | ~~3.00~~ | ~~33~~ | ~~3.00~~ | ~~33~~ | ~~0~~ | ~~4.20~~ |
| ~~04KBT679~~ | ~~4.30~~ | ~~34~~ | ~~4.30~~ | ~~34~~ | ~~0~~ | ~~2.00~~ |
| ~~04KBT680~~ | ~~6.40~~ | ~~100~~ | ~~6.40~~ | ~~100~~ | ~~0~~ | ~~1.00~~ |
| ~~04KBT681~~ | ~~2.40~~ | ~~22~~ | ~~2.40~~ | ~~22~~ | ~~0~~ | ~~2.20~~ |
| ~~04KBT682~~ | ~~2.20~~ | ~~20~~ | ~~2.20~~ | ~~20~~ | ~~0~~ | ~~0.40~~ |
| ~~04KBT683~~ | ~~8.16~~ | ~~100~~ | ~~8.16~~ | ~~100~~ | ~~0~~ | ~~4.34~~ |
| ~~04KBT684~~ | ~~6.22~~ | ~~100~~ | ~~6.22~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KBT685~~ | ~~2.00~~ | ~~40~~ | ~~2.00~~ | ~~40~~ | ~~0~~ | ~~0.00~~ |
| ~~04KBT686~~ | ~~5.10~~ | ~~100~~ | ~~5.10~~ | ~~100~~ | ~~0~~ | ~~1.00~~ |
| ~~04KBT687~~ | ~~10.17~~ | ~~100~~ | ~~10.17~~ | ~~100~~ | ~~0~~ | ~~2.30~~ |
| ~~04KBT686 R~~ | ~~5.10~~ | ~~100~~ | ~~5.10~~ | ~~100~~ | ~~0~~ | ~~1.00~~ |
| ~~04KBT688~~ | ~~3.70~~ | ~~28~~ | ~~3.70~~ | ~~28~~ | ~~0~~ | ~~0.00~~ |
| ~~04KBT689~~ | ~~8.06~~ | ~~100~~ | ~~8.06~~ | ~~100~~ | ~~0~~ | ~~0.01~~ |
| ~~04KBT690~~ | ~~2.60~~ | ~~22~~ | ~~2.60~~ | ~~22~~ | ~~0~~ | ~~2.10~~ |
| ~~04KBT691~~ | ~~5.10~~ | ~~40~~ | ~~5.10~~ | ~~40~~ | ~~0~~ | ~~0.00~~ |
| ~~04KBT692~~ | ~~10.00~~ | ~~100~~ | ~~10.00~~ | ~~100~~ | ~~0~~ | ~~2.57~~ |
| ~~04KBT693~~ | ~~0.20~~ | ~~00~~ | ~~0.20~~ | ~~00~~ | ~~0~~ | ~~0.00~~ |
| ~~04KBT694~~ | ~~5.00~~ | ~~100~~ | ~~5.00~~ | ~~100~~ | ~~0~~ | ~~1.00~~ |
| ~~04KBT695~~ | ~~10.31~~ | ~~100~~ | ~~10.31~~ | ~~100~~ | ~~0~~ | ~~0.00~~ |
| ~~04KBT696~~ | ~~8.72~~ | ~~100~~ | ~~8.72~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KBT697~~ | ~~5.00~~ | ~~100~~ | ~~5.00~~ | ~~100~~ | ~~0~~ | ~~1.00~~ |
| ~~04KBT698 R~~ | ~~8.72~~ | ~~100~~ | ~~8.72~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KBT699~~ | ~~12.10~~ | ~~100~~ | ~~12.10~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| ~~04KBT700~~ | ~~11.20~~ | ~~100~~ | ~~11.10~~ | ~~100~~ | ~~0~~ | ~~0~~ |
| 04SHT584 | 5.35 | 100 | 5.35 | 100 | 0 | 0 |
| 04SHT585 | 4.40 | 100 | 4.40 | 100 | 0 | 2.30 |
| 04SHT590 | 7.45 | 100 | 7.45 | 100 | 0 | 1.78 |
| 04SHT592 | 4.80 | 100 | 4.80 | 100 | 0 | 1.30 |
| 04SHT593 | 2.50 | 50 | 2.50 | 50 | 0 | 1.30 |
| 04SHT597 | 3.30 | 100 | 3.30 | 100 | 0 | 1.10 |
| ~~04SHT162~~ | ~~0.00~~ | ~~50~~ | ~~0.00~~ | ~~00~~ | ~~0~~ | ~~3.50~~ |
| ~~04SHT167~~ | ~~5.00~~ | ~~100~~ | ~~5.00~~ | ~~100~~ | ~~0~~ | ~~1.00~~ |
| 04SHT592 R | 4.80 | 100 | 4.80 | 100 | 0 | 130 |
| ~~04SHT215~~ | ~~5.00~~ | ~~100~~ | ~~5.00~~ | ~~100~~ | ~~0~~ | ~~2.00~~ |
| ~~04SHT216~~ | ~~1.00~~ | ~~33~~ | ~~1.00~~ | ~~33~~ | ~~0~~ | ~~0.00~~ |
| ~~04SHT217~~ | ~~0.00~~ | ~~00~~ | ~~0.00~~ | ~~00~~ | ~~0~~ | ~~0.50~~ |

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Report No: 04-670
Date: April 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | UP-Obs g | UP- % | UPT Obs g | UPT % | Others Counts | -0.250 g |
|---|---|---|---|---|---|---|
| [redacted] | | | | | | |

0's (zeroes) in the UP+ or UP- weight columns indicate that the sample was too small to be frantzed. The total weight of that fraction is recorded in the LW+ or LW- columns.
All samples were observed for 2.5 hours only (1.5hrs-silicates; 1hr-oxides).
Every indicator is recovered up to a maximum of 50 grains, except for the olivines which are picked to a maximum of 20.

# APPENDIX 6b

## Samsul Picked Results

Summary Picked Results Samsul

| Sample | EASTING | NORTHING | ECL_ Total | CPX_ Total | OLV_T otal | ILM_T otal | CHR_T otal | Total_K IMS | Total_ Kims_ noOl | Pyr_ 05_1 mm | Ecl_ 05_1 mm | Cpx_0 5_1m m | Ilm_ 05_1 mm | Chr_0 5_1m m | Olv_ 05_1 mm | Pyr_ 025_ 05m | Ecl_0 25_05 mm | Cpx_ 025_ 05m | Ilm_02 5_05m m | Chr_02 5_05m m | Olv_0 25_05 mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST375 | 405253 | 7097172 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST379 | 409905 | 7091336 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST380 | 406547 | 7091269 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST381 | 403704 | 7090720 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST384 | 411098 | 7087432 | 2 | 0 | 2 | 0 | 0 | 10 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 2 |
| 04JST386 | 402885 | 7084826 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST388 | 396038 | 7096734 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 04JST390 | 406268 | 7095121 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST396 | 396780 | 7090683 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST410 | 383414 | 7092188 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT380 | 352929 | 7075350 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT381 | 358998 | 7073327 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 04SHT382 | 361724 | 7074298 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 04SHT383 | 364125 | 7075454 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT384 | 358728 | 7076035 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 04SHT385 | 353777 | 7078412 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT386 | 362217 | 7079644 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 04SHT387 | 357828 | 7081882 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 04SHT388 | 353840 | 7082917 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04SHT389 | 356289 | 7085034 | 0 | 0 | 0 | 2 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 |
| 04SHT390 | 359417 | 7082762 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT391 | 363871 | 7082452 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT392 | 363958 | 7084542 | 1 | 0 | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 04SHT393 | 367618 | 7089210 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT394 | 370128 | 7089174 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT395 | 374156 | 7087104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT396 | 376401 | 7089324 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 04SHT397 | 371842 | 7090799 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT398 | 369233 | 7090977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT399 | 367419 | 7094182 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 04SHT400 | 372141 | 7094557 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT401 | 376439 | 7094049 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT402 | 377358 | 7098220 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04SHT403 | 375189 | 7096559 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT404 | 370736 | 7096793 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

Summary Picked Results Samsul

| Sample | EASTING | NORTHING | ECL_ Total | CPX_ Total | OLV_T otal | ILM_T otal | CHR_T otal | Total_K IMS | Total_ Kims_ noOl | Pyr_ 05_1 mm | Ecl_ 05_1 mm | Cpx_0 5_1m m | Ilm_ 05_1 mm | Chr_0 5_1m m | Olv_ 05_1 mm | Pyr_ 025_ 05m | Ecl_0 25_05 mm | Cpx_ 025_ 05m | Ilm_02 5_05m m | Chr_02 5_05m m | Olv_0 25_05 mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT405 | 368702 | 7097543 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT432 | 380093 | 7072251 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT433 | 379615 | 7073922 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT434 | 377381 | 7076806 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT436 | 381101 | 7077970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT437 | 382496 | 7079998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT438 | 387170 | 7076889 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04SHT439 | 386870 | 7080782 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT440 | 388634 | 7083689 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04SHT441 | 385344 | 7083564 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04SHT442 | 385008 | 7082084 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04SHT443 | 380115 | 7084082 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT471 | 424725 | 7031805 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT472 | 422237 | 7029935 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04SHT473 | 418283 | 7033735 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT474 | 416865 | 7030889 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT475 | 413592 | 7030559 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT477 | 397950 | 7045088 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04SHT478 | 396374 | 7047704 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04SHT479 | 394427 | 7047196 | 1 | 0 | 1 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 |
| 04SHT480 | 392962 | 7043686 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04SHT482 | 388349 | 7048468 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04SHT509 | 381846 | 7045327 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT510 | 376744 | 7044676 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 04SHT511 | 377245 | 7048442 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT512 | 379619 | 7048522 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT513 | 377876 | 7051703 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 04SHT515 | 379697 | 7054231 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT516 | 376904 | 7057041 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 04SHT517 | 383814 | 7056124 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 04SHT518 | 385251 | 7055513 | 1 | 0 | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 04SHT519 | 388425 | 7052832 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04SHT521 | 385444 | 7047497 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT545 | 399688 | 7031205 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 04SHT547 | 390718 | 7031495 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Summary Picked Results Samsul

| Sample | EASTING | NORTHING | ECL_ Total | CPX_ Total | OLV_T otal | ILM_T otal | CHR_T otal | Total_K IMS | Total_ Kims_ noOl | Pyr_ 05_1 mm | Ecl_ 05_1 mm | Cpx_0 5_1m m | Ilm_ 05_1 mm | Chr_0 5_1m m | Olv_ 05_1 mm | Pyr_ 025_ 05m | Ecl_0 25_05 mm | Cpx_ 025_ 05m | Ilm_02 5_05m m | Chr_02 5_05m m | Olv_0 25_05 mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT548 | 388189 | 7032683 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 04SHT549 | 391232 | 7034333 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04SHT550 | 389058 | 7035766 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT551 | 390077 | 7037426 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04SHT552 | 394999 | 7035901 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT553 | 398302 | 7033992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT554 | 399843 | 7036154 | 0 | 0 | 2 | 0 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| 04SHT555 | 397706 | 7038249 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT556 | 391450 | 7040813 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST417 | 419993 | 7015290 | 2 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 04JST420 | 423604 | 7016891 | 2 | 0 | 1 | 1 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 |
| 04JST421 | 423783 | 7020081 | 2 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 04JST422 | 422382 | 7023352 | 0 | 0 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 04JST423 | 422468 | 7027257 | 0 | 0 | 1 | 3 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 |
| 04JST424 | 420121 | 7026562 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04JST429 | 410706 | 7025290 | 0 | 0 | 1 | 5 | 0 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 1 |
| 04JST430 | 407911 | 7022976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST431 | 410461 | 7020669 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04JST432 | 408324 | 7017997 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04JST434 | 406033 | 7016656 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04JST435 | 400766 | 7017254 | 1 | 0 | 4 | 2 | 0 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 4 |
| 04JST453 | 360081 | 7061451 | 0 | 0 | 0 | 4 | 2 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 |
| 04JST455 | 369282 | 7058999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST484 | 352306 | 7056629 | 0 | 0 | 0 | 4 | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 |
| 04JST485 | 355304 | 7053230 | 0 | 0 | 0 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| 04JST486 | 352929 | 7052236 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04JST487 | 356883 | 7051765 | 0 | 0 | 0 | 4 | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 |
| 04JST488 | 357922 | 7049595 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST489 | 358286 | 7046938 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04JST490 | 354914 | 7046000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST491 | 351741 | 7045796 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST492 | 360858 | 7045259 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 04JST493 | 362112 | 7050204 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST494 | 361227 | 7052832 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST495 | 361636 | 7057518 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Summary Picked Results Samsul

| Sample | EASTING | NORTHING | ECL_ Total | CPX_ Total | OLV_T otal | ILM_T otal | CHR_T otal | Total_K IMS | Total_ Kims_ noOl | Pyr_ 05_1 mm | Ecl_ 05_1 mm | Cpx_0 5_1m m | Ilm_ 05_1 mm | Chr_0 5_1m m | Olv_ 05_1 mm | Pyr_ 025_ 05m | Ecl_0 25_05 mm | Cpx_ 025_ 05m | Ilm_02 5_05m m | Chr_02 5_05m m | Olv_0 25_05 mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST496 | 360842 | 7031515 | 0 | 0 | 0 | 3 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| 04JST497 | 358540 | 7034152 | 0 | 0 | 0 | 6 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 |
| 04JST498 | 356301 | 7030828 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 04JST499 | 354366 | 7035197 | 0 | 0 | 2 | 6 | 0 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 2 |
| 04JST500 | 350699 | 7033287 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 04JST501 | 351260 | 7036155 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST502 | 354685 | 7038573 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST503 | 355814 | 7040615 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04JST504 | 355019 | 7042910 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 04JST505 | 358894 | 7042945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST506 | 361853 | 7042368 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST507 | 361709 | 7038431 | 0 | 0 | 2 | 3 | 1 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 2 |
| 04JST508 | 359741 | 7037203 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST509 | 360512 | 7024549 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST510 | 357387 | 7025169 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST511 | 355455 | 7025044 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST512 | 356866 | 7022542 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST513 | 358476 | 7019698 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST514 | 354362 | 7018717 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04JST515 | 350572 | 7020607 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST516 | 350616 | 7023532 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST517 | 353198 | 7026732 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST518 | 352828 | 7029436 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST519 | 355490 | 7028355 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04JST520 | 357013 | 7029278 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST521 | 358671 | 7027532 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04JST522 | 363397 | 7027527 | 0 | 0 | 0 | 4 | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 |
| 04JST523 | 362649 | 7024937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST524 | 363979 | 7019628 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST525 | 367429 | 7017677 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST526 | 370872 | 7016576 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST527 | 370992 | 7020765 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST528 | 367165 | 7021740 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST529 | 365637 | 7024355 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST530 | 366788 | 7026146 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Summary Picked Results Samsul

| Sample | EASTING | NORTHING | ECL_ Total | CPX_ Total | OLV_T otal | ILM_T otal | CHR_T otal | Total_K IMS | Total_ Kims_ noOl | Pyr_ 05_1 mm | Ecl_ 05_1 mm | Cpx_0 5_1m m | Ilm_ 05_1 mm | Chr_0 5_1m m | Olv_ 05_1 mm | Pyr_ 025_ 05m | Ecl_0 25_05 mm | Cpx_ 025_ 05m | Ilm_02 5_05m m | Chr_02 5_05m m | Olv_0 25_05 mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST531 | 368747 | 7027298 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04JST532 | 372037 | 7025391 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST533 | 373357 | 7028852 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST534 | 371061 | 7031355 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST535 | 373880 | 7032675 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST538 | 364208 | 7043528 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04JST539 | 363622 | 7039952 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST540 | 366470 | 7036590 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04JST541 | 363776 | 7035964 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04JST542 | 364673 | 7031246 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04JST543 | 368056 | 7030444 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST544 | 369117 | 7035180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST545 | 372874 | 7036397 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST546 | 374285 | 7039331 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04JST547 | 403044 | 7040596 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST548 | 401138 | 7036785 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST549 | 404840 | 7036309 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04JST550 | 407323 | 7036198 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST551 | 405002 | 7032388 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST552 | 400734 | 7031418 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST553 | 405983 | 7029685 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST554 | 411076 | 7034592 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST555 | 411216 | 7031640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST556 | 411173 | 7039094 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST557 | 411462 | 7041840 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST558 | 406552 | 7042234 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT456 | 420899 | 7053983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT458 | 412360 | 7045301 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT459 | 411661 | 7043918 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT461 | 405197 | 7044305 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT462 | 401557 | 7043411 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT465 | 410603 | 7048736 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT466 | 412672 | 7050497 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT467 | 411123 | 7053409 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04SHT468 | 412421 | 7055948 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

Summary Picked Results Samsul

| Sample | EASTING | NORTHING | ECL_ Total | CPX_ Total | OLV_T otal | ILM_T otal | CHR_T otal | Total_K IMS | Total_ Kims_ noOl | Pyr_ 05_1 mm | Ecl_ 05_1 mm | Cpx_0 5_1m m | Ilm_ 05_1 mm | Chr_0 5_1m m | Olv_ 05_1 mm | Pyr_ 025_ 05m | Ecl_0 25_05 mm | Cpx_ 025_ 05m | Ilm_02 5_05m m | Chr_02 5_05m m | Olv_0 25_05 mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT469 | 408282 | 7053400 | 3 | 1 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 |
| 04SHT470 | 401512 | 7054678 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT483 | 377258 | 7031032 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| 04SHT484 | 385586 | 7029697 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT485 | 383667 | 7033076 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT486 | 386599 | 7033121 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT487 | 387369 | 7034704 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 04SHT488 | 384945 | 7036306 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT489 | 381406 | 7036955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT490 | 380872 | 7032981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT492 | 377757 | 7036978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT494 | 383060 | 7040905 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 04SHT495 | 384987 | 7041346 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT496 | 365943 | 7045215 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT497 | 368852 | 7046925 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT498 | 372961 | 7045074 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT499 | 374869 | 7047302 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT500 | 373797 | 7052017 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT502 | 366480 | 7050692 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04SHT503 | 363605 | 7050593 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT504 | 365288 | 7052758 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT505 | 365731 | 7056781 | 0 | 0 | 1 | 2 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 |
| 04SHT506 | 370463 | 7054738 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT507 | 374179 | 7054433 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 04SHT508 | 371321 | 7056918 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT522 | 382956 | 7017460 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT523 | 385258 | 7020080 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT524 | 376822 | 7018770 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| 04SHT525 | 376015 | 7022926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT526 | 379587 | 7022886 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT527 | 383241 | 7022042 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| 04SHT528 | 384587 | 7023264 | 1 | 0 | 1 | 0 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| 04SHT529 | 380512 | 7025765 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04SHT530 | 375941 | 7026418 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT531 | 377083 | 7028668 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Summary Picked Results Samsul

| Sample | EASTING | NORTHING | ECL_ Total | CPX_ Total | OLV_T otal | ILM_T otal | CHR_T otal | Total_K IMS | Total_ Kims_ noOl | Pyr_ 05_1 mm | Ecl_ 05_1 mm | Cpx_0 5_1m m | Ilm_ 05_1 mm | Chr_0 5_1m m | Olv_ 05_1 mm | Pyr_ 025_ 05m | Ecl_0 25_05 mm | Cpx_ 025_ 05m | Ilm_02 5_05m m | Chr_02 5_05m m | Olv_0 25_05 mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT532 | 382532 | 7027305 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 04SHT533 | 386673 | 7026155 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT534 | 387856 | 7017467 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT535 | 391821 | 7016212 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT536 | 393730 | 7018557 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 04SHT537 | 397981 | 7015934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT538 | 399525 | 7019267 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04SHT539 | 395076 | 7023395 | 0 | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 04SHT541 | 390532 | 7024097 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT542 | 389212 | 7028955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT407 | 360428 | 7099208 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 04SHT408 | 364752 | 7096814 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04SHT411 | 358545 | 7095875 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT413 | 356038 | 7093405 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 04SHT418 | 360257 | 7087428 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT420 | 367739 | 7084844 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 04SHT422 | 366712 | 7078047 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT424 | 371430 | 7071659 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT431 | 375520 | 7077943 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT444 | 421494 | 7043335 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT446 | 416511 | 7044571 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT449 | 423109 | 7052102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT451 | 419801 | 7049454 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT455 | 416846 | 7054266 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT543 | 392413 | 7027845 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT544 | 399292 | 7027806 | 0 | 0 | 6 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 04JST642 | 390284 | 6995993 | 1 | 0 | 7 | 0 | 0 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 |
| 04JST643 | 388659 | 6998287 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 04JST644 | 393721 | 7000673 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 04JST646 | 396595 | 6999055 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST626 | 396568 | 7002664 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 04JST629 | 389205 | 7005111 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04JST630 | 391854 | 7006508 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST648 | 395723 | 6994275 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST651 | 387728 | 7009664 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

Summary Picked Results Samsul

| Sample | EASTING | NORTHING | ECL_ Total | CPX_ Total | OLV_T otal | ILM_T otal | CHR_T otal | Total_K IMS | Total_ Kims_ noOl | Pyr_ 05_1 mm | Ecl_ 05_1 mm | Cpx_0 5_1m m | Ilm_ 05_1 mm | Chr_0 5_1m m | Olv_ 05_1 mm | Pyr_ 025_ 05m | Ecl_0 25_05 mm | Cpx_ 025_ 05m | Ilm_02 5_05m m | Chr_02 5_05m m | Olv_0 25_05 mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST660 | 389267 | 6992031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT564 | 388495 | 6985772 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT586 | 380492 | 7000556 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 04SHT587 | 375925 | 6999488 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT588 | 375257 | 6997369 | 0 | 0 | 2 | 1 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| 04SHT589 | 378382 | 6996270 | 1 | 0 | 2 | 1 | 1 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 2 |
| 04SHT591 | 372382 | 6986654 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT594 | 363785 | 6978204 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT595 | 363765 | 6978246 | 2 | 0 | 1 | 1 | 1 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 1 |
| 04SHT596 | 356956 | 6978981 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 04SHT598 | 349709 | 6986634 | 2 | 2 | 2 | 0 | 1 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 1 | 2 |
| 04SHT599 | 355244 | 6986502 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT600 | 359468 | 6984353 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 04SHT601 | 362502 | 6987804 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT602 | 364055 | 6984247 | 1 | 0 | 3 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| 04JST672 | 385198 | 7012906 | 1 | 1 | 2 | 0 | 0 | 7 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 2 |
| 04SHT574 | 382097 | 6986175 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT576 | 381404 | 6983639 | 0 | 1 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04SHT583 | 384689 | 6974198 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT606 | 366249 | 6999332 | 0 | 0 | 1 | 2 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 |
| 04SHT607 | 367175 | 7000750 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT611 | 362671 | 6994122 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 04SHT615 | 372324 | 6990561 | 1 | 0 | 1 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 |
| 04JST652 | 391279 | 7010625 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST653 | 390809 | 7012819 | 0 | 0 | 1 | 0 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 |
| 04JST654 | 394022 | 7013627 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST655 | 395261 | 7011015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST656 | 397335 | 7014327 | 0 | 0 | 1 | 2 | 2 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 |
| 04JST657 | 397129 | 7006785 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 04JST658 | 398463 | 7003983 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 04SHT573 | 384507 | 6987002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT575 | 379335 | 6986573 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04SHT577 | 383999 | 6981321 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT578 | 380763 | 6981061 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT579 | 377223 | 6980373 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 04SHT580 | 373789 | 6978453 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT581 | 377609 | 6975641 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Group_no | SRC_Report_no | Sample_Num | Sample_Type | Sample_weight_g | Pyr-p +_Counts | Pyr-p -_Counts | Pyr-e +_Counts | Pyr-e -_Counts | Olv +_Counts | Olv -_Counts | Cpx+_ Counts | Cpx-_ Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| # 3 | 04SHT 420 D | 04SHT 420 D | solid | 21.93 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| # 3 | 04SHT 440 D | 04SHT 440 D | solid | 13.81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # 3 | 04SHT 460 D | 04SHT 460 D | solid | 16.84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # 3 | 04SHT 480 D | 04SHT 480 D | solid | 12.69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # 3 | 04SHT 540 D | 04SHT 540 D | solid | 7.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| [redacted] | | | | | | | | | | | | |

| Picroilm+_Counts | Picroilm-_Counts | Chr +_Counts | Chr -_Counts | Weight total_OBS_g | Weight total_OBS_wt% |
|---|---|---|---|---|---|
| 0 | 0 | 0 | 2 | 21.93 | 100 |
| 0 | 0 | 0 | 0 | 13.81 | 100 |
| 0 | 0 | 0 | 0 | 16.84 | 100 |
| 0 | 0 | 0 | 0 | 12.69 | 100 |
| 0 | 0 | 0 | 0 | 7.2 | 100 |
| [redacted] | | | | | |
| | | | | | 100 |

| Group_no | Sample_Num | Sample_Type | Sample_weight_g | Pyr-p +_Counts | Pyr-p -_Counts | Pyr-e +_Counts | Pyr-e -_Counts | Olv +_Counts | Olv -_Counts | Cpx+_ Counts | Cpx-_ Counts | Picroilm+_Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| # 1 | 04JST 380 D | Solid | 31.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # 1 | 04JST 460 D | Solid | 14.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| # 1 | 04JST 520 D | Solid | 7.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Picroilm-_Counts | Chr +_Counts | Chr -_Counts | Total weight_OBS_g | Total weight _OBS_wt% |
|---|---|---|---|---|
| [redacted] | | | | |
| 0 | 0 | 0 | 31.5 | 100 |
| 0 | 0 | 0 | 14.3 | 100 |
| 0 | 0 | 0 | 7.6 | 100 |
| [redacted] | | | | |

| Sample_Num | SAMPLE_NUM_Dupli | Pyr_05_1n | Pyr_025_0 | PYR_TOT/ | Ecl_05_1n | Ecl_025_0 | ECL_Total | Cpx_05_1r | Cpx_025_( | CPX_TOT/ | Ilm_05_1n | Ilm_025_0 | ILM_TOTA | Chr_05_1n | Chr_025_0 | CHR_TOT. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST380 | 04JST380D | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST460 | 04JST460D | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST520 | 04JST520D | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| 04SHT420 | 04SHT420D | 0 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT440 | 04SHT440D | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| 04SHT460 | 04SHT460D | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT480 | 04SHT480D | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT540 | 04SHT540D | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
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| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
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| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
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| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
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| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |

| Olv_05_1n | Olv_025_0 | OLV_Total | TOTAL_Kl | Total_Kims | Lab |
|---|---|---|---|---|---|
| [redacted] | | | | | |
| 0 | 0 | 0 | 0 | 0 | Samsul |
| 0 | 0 | 0 | 0 | 0 | Samsul |
| 0 | 0 | 0 | 0 | 0 | Samsul |
| [redacted] | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| [redacted] | | | | | |
| 0 | 0 | 0 | 10 | 10 | Samsul |
| 0 | 0 | 0 | 0 | 0 | Samsul |
| 0 | 0 | 0 | 0 | 0 | Samsul |
| 0 | 0 | 0 | 0 | 0 | Samsul |
| 0 | 0 | 0 | 0 | 0 | Samsul |
| [redacted] | | | | | |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.29/99653F
Samples: 75

**SRC Geoanalytical Laboratories**
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
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Report No: 04-682
Date: October 21, 2004

## Kimberlite Indicator Minerals

Column Header Details

Sample Weight in kilograms (SWT)
Mid Fraction -1.00+0.50MM Dry Weight in grams (MWT+)
Mid Fraction -0.50+0.25MM Dry Weight in grams (MWT-)
Permroll Mag -1.00+0.50MM Weight in grams (MAG+)
Permroll Mag -0.50+0.25MM Weight in grams (MAG-)

Permroll Non Mag -1.00+0.50MM Weight in grams (NMAG+)
Permroll Non Mag -0.50+0.25MM Weight in grams (NMAG-)
TBE Sinks SG>2.96 -1.00+0.50MM Weight in grams (TBES+)
TBE Sinks SG>2.96 -0.50+0.25MM Weight in grams (TBES-)
MI Floats SG<3.3 -1.00+0.50MM Weight in grams (MIF+)

MI Floats SG<3.3 -0.50+0.25MM Weight in grams (MIF-)
MI Sinks SG>3.3 -1.00+0.50MM Weight in grams (MIS+)
MI Sinks SG>3.3 -0.50+0.25MM Weight in grams (MIS-)
Ferro Mags -1.00+0.50mm Weight in grams (FM+)
Ferro Mags -0.50+0.25mm Weight in grams (FM-)

Frantz Upper -1.00+0.50mm Weight in grams (UP+)
Frantz Upper -0.50+0.25mm Weight in grams (UP-)
Frantz Lowers -1.00+0.50mm Weight in grams (LW+)
Frantz Lowers -0.50+0.25mm Weight in grams (LW-)
Pyrope Peridotitic Grains +0.5mm in Counts (Pyr-p +)

Pyrope Peridotitic Grains -0.5mm in Counts (Pyr-p -)
Pyrope Eclogitic Grains +0.5mm in Counts (Pyr-e +)
Pyrope Eclogitic Grains -0.5mm in Counts (Pyr-e -)
Chrome-Diopside Grains +0.5mm in Counts (Chr D +)
Chrome-Diopside Grains -0.5mm in Counts (Chr D -)

Olivine Grains +0.5mm in Counts (Olv +)
Olivine Grains -0.5mm in Counts (Olv -)
Picroilmenite Grains +0.5mm in Counts (Picroilm+)
Picroilmenite Grains -0.5mm in Counts (Picroilm-)
Chromite Grains +0.5mm in Counts (Chr +)

Chromite Grains -0.5mm in Counts (Chr -)
Lower Fraction Observed Weight in grams (LW Obs)
Upper Fraction Observed Weight in grams (UP Obs)
Other Indicator Grains in Counts (Others)

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## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST585 | 20.80 | 1828 | 2768 | 288 | 818 | 1118 | 2884 | 28.45 | 83.91 | 19.55 | 42.55 | 3.92 | 22.30 | 1.20 |
| 04JST586 | 18.50 | 1211 | 2888 | 188 | 282 | 1041 | 2882 | 18.47 | 84.88 | 18.97 | 87.18 | 2.88 | 18.78 | 1.04 |
| 04JST587 | 18.88 | 1238 | 2878 | 188 | 818 | 1047 | 2888 | 19.55 | 88.22 | 18.85 | 87.25 | 2.79 | 18.85 | 1.18 |
| 04JST590 | 21.20 | 1888 | 2888 | 288 | 847 | 1118 | 2888 | 28.28 | 88.88 | 28.87 | 88.87 | 3.17 | 22.88 | 1.81 |
| 04JST684 | 17.85 | 887 | 1742 | 188 | 228 | 748 | 1511 | 25.81 | 88.84 | 28.55 | 43.25 | 2.48 | 13.25 | 1.28 |
| 04JST592 | 17.45 | 1171 | 2150 | 174 | 269 | 894 | 1888 | 30.44 | 75.58 | 27.88 | 58.88 | 3.88 | 15.88 | 1.88 |
| 04JST681 | 18.15 | 1188 | 2182 | 288 | 888 | 848 | 2882 | 28.88 | 77.88 | 28.45 | 38.58 | 2.88 | 18.72 | 1.81 |
| 04JST683 | 18.88 | 1047 | 2888 | 188 | 288 | 888 | 2127 | 28.48 | 82.88 | 28.81 | 84.84 | 2.88 | 17.88 | 0.88 |
| 04JST686 | 18.88 | 888 | 2888 | 188 | 248 | 788 | 2287 | 18.21 | 87.18 | 18.82 | 18.12 | 1.88 | 17.15 | 0.88 |
| 04JST613 | 18.45 | 428 | 878 | 88 | 182 | 881 | 818 | 88.78 | 18.18 | 88.82 | 84.82 | 1.88 | 18.78 | 0.18 |
| SRC # 04-403167 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST641 | 18.55 | 588 | 884 | 84 | 148 | 178 | 888 | 88.88 | 45.82 | 88.28 | 44.18 | 3.87 | 1.88 | 0 |
| 04JST648 | 18.88 | 1888 | 1878 | 188 | 281 | 888 | 1121 | 18.82 | 87.88 | 17.87 | 78.88 | 2.27 | 17.82 | 1.38 |
| 04JST647 | 18.88 | 1881 | 2217 | 178 | 285 | 889 | 1931 | 22.78 | 88.81 | 28.38 | 44.55 | 2.21 | 11.92 | 0.82 |
| 04JST619 | 18.85 | 1234 | 2225 | 154 | 241 | 1071 | 1888 | 14.88 | 88.74 | 12.88 | 28.28 | 2.82 | 18.85 | 0.88 |
| 04JST621 | 18.85 | 847 | 1181 | 82 | 158 | 781 | 1888 | 88.18 | 88.58 | 88.88 | 85.88 | 3.48 | 8.51 | |
| 04JST623 | 17.05 | 838 | 1128 | 188 | 214 | 349 | 988 | 28.94 | 84.15 | 28.84 | 74.44 | 0.38 | 3.38 | |
| 04JST624 | 17.75 | 1185 | 2181 | 158 | 215 | 878 | 1842 | 26.74 | 51.52 | 28.71 | 41.11 | 1.88 | 12.88 | 0.88 |
| 04JST642 | 18.10 | 1156 | 2210 | 276 | 451 | 876 | 1756 | 27.66 | 77.81 | 25.53 | 64.82 | 2.11 | 12.85 | 0.69 |
| 04JST643 | 17.90 | 1350 | 2282 | 326 | 466 | 1022 | 1813 | 32.69 | 84.95 | 30.39 | 72.53 | 2.25 | 12.27 | 0.58 |
| 04JST644 | 19.65 | 815 | 1623 | 156 | 256 | 657 | 1365 | 14.90 | 41.59 | 12.97 | 30.98 | 1.92 | 10.52 | 0.67 |
| SRC # 04-403167 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST646 | 16.90 | 1030 | 1702 | 185 | 293 | 841 | 1409 | 11.38 | 30.16 | 10.05 | 21.83 | 1.32 | 8.27 | 0.42 |
| 04JST648 | 16.15 | 655 | 1022 | 115 | 100 | 538 | 919 | 1.16 | 100.64 | ~ | 97.23 | ~ | 3.13 | 0.34 |
| 04JST651 | 17.30 | 1521 | 2556 | 295 | 482 | 1221 | 2071 | 23.53 | 49.81 | 20.40 | 33.51 | 3.08 | 16.20 | 0.75 |
| 04JST660 | 22.40 | 1688 | 2892 | 335 | 449 | 1349 | 2435 | 24.53 | 52.55 | 22.68 | 41.52 | 1.83 | 10.97 | 0.46 |
| 04KBT530 | 18.40 | 1077 | 2372 | 295 | 438 | 779 | 1952 | 23.05 | 44.71 | 21.20 | 34.87 | 1.81 | 9.70 | 0.51 |
| 04KBT536 | 17.88 | 1043 | 2884 | 313 | 881 | 727 | 1702 | 28.38 | 88.81 | 28.37 | 41.88 | 1.88 | 12.18 | 0.88 |
| 04KBT537 | 18.15 | 1081 | 2423 | 314 | 888 | 744 | 1813 | 25.79 | 88.88 | 28.18 | 88.87 | 2.58 | 14.88 | 0.74 |
| 04KBT538 | 17.95 | 1399 | 2329 | 318 | 418 | 1078 | 1888 | 28.15 | 82.58 | 28.85 | 44.48 | 2.58 | 14.88 | 0.74 |
| 04KBT539 | 18.00 | 1315 | 1858 | 344 | 432 | 887 | 1402 | 30.00 | 32.88 | 28.89 | 43.87 | 1.89 | 9.15 | 0.58 |
| 04KBT540 | 28.85 | 1488 | 2888 | 215 | 858 | 884 | 2828 | 18.81 | 47.51 | 17.78 | 35.88 | 1.97 | 12.38 | 0.45 |
| SRC # 04-403167 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04KBT551 | 18.30 | 1388 | 3047 | 312 | 311 | 1271 | 2833 | 32.02 | 78.88 | 28.27 | 58.14 | 3.88 | 28.45 | 1.18 |
| 04KBT566 | 17.88 | 1028 | 2158 | 218 | 858 | 818 | 2835 | 18.24 | 81.17 | 14.71 | 33.35 | 1.58 | 11.71 | 0.88 |
| 04KBT567 | 23.85 | 1400 | 3313 | 308 | 483 | 1130 | 2829 | 23.28 | 64.85 | 22.87 | 47.14 | 2.58 | 18.82 | 0.74 |
| 04KBT568 | 18.70 | 1128 | 2297 | 312 | 358 | 807 | 1740 | 34.74 | 39.99 | 33.07 | 47.37 | 1.88 | 12.29 | 0.38 |
| 04KBT575 | 28.88 | 1458 | 2518 | 178 | 884 | 878 | 2182 | 28.88 | 78.88 | 18.88 | 32.88 | 3.85 | 28.88 | 0.51 |
| 04KBT577 | 21.85 | 1082 | 3038 | 408 | 733 | 1235 | 2280 | 48.38 | 134.43 | 43.79 | 109.33 | 2.74 | 24.87 | 0.88 |
| 04KBT638 | 19.88 | 1239 | 2713 | 217 | 378 | 1038 | 2838 | 38.38 | 87.88 | 38.31 | 73.77 | 3.84 | 28.88 | 1.88 |

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Date: October 21, 2004

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04KBT637 | 16.20 | 1857 | 2147 | 220 | 438 | 828 | 1881 | 55.57 | 188.87 | 52.82 | 181.17 | 2.82 | 21.87 | 1.81 |
| 04KBT639 | 15.70 | 868 | 1805 | 182 | 381 | 791 | 1888 | 28.12 | 88.44 | 25.75 | 78.18 | 2.31 | 10.14 | 1.00 |
| 04KBT639 | 15.00 | 850 | 1640 | 156 | 209 | 692 | 1450 | 16.11 | 46.28 | 15.08 | 39.72 | 1.38 | 12.35 | 0.31 |
| SRC # 04-403167 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04KBT644 | 16.85 | 870 | 1881 | 88 | 281 | 574 | 1888 | 11.88 | 19.85 | 10.68 | 28.68 | 1.87 | 8.88 | 0.88 |
| 04KBT642 | 17.05 | 1095 | 2885 | 188 | 828 | 888 | 2854 | 21.88 | 78.52 | 20.21 | 68.15 | 2.87 | 15.28 | 0.82 |
| 04KBT645 | 16.15 | 872 | 2218 | 187 | 388 | 788 | 1887 | 28.28 | 88.88 | 18.87 | 75.52 | 2.18 | 17.88 | 0.74 |
| 04KBT646 | 16.18 | 888 | 2028 | 178 | 288 | 781 | 2887 | 18.81 | 58.88 | 18.88 | 88.51 | 2.18 | 18.15 | 0.38 |
| 04KBT647 | 16.28 | 1881 | 2281 | 178 | 282 | 858 | 1888 | 18.87 | 18.88 | 18.58 | 88.81 | 2.25 | 15.88 | 0.58 |
| 04KBT648 | 16.88 | 881 | 1887 | 187 | 218 | 721 | 1722 | 11.88 | 12.88 | 12.78 | 28.82 | 2.82 | 12.88 | 0.88 |
| 04KBT657 | 16.88 | 1187 | 3517 | 328 | 128 | 8881 | 8115 | 18.88 | 75.88 | 18.88 | 88.85 | 1.88 | 8.58 | 0.71 |
| 04SHT564 | 17.45 | 1170 | 2287 | 284 | 475 | 885 | 1810 | 17.97 | 43.41 | 16.11 | 33.83 | 1.77 | 9.48 | 0.53 |
| 04SHT586 | 21.45 | 881 | 1554 | 235 | 317 | 642 | 1234 | 15.58 | 34.25 | 14.16 | 26.22 | 1.37 | 7.94 | 0.35 |
| 04SHT587 | 15.85 | 633 | 1471 | 149 | 265 | 483 | 1201 | 11.65 | 31.91 | 10.67 | 25.62 | 0.94 | 6.19 | ~ |
| SRC # 04-403167 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT588 | 15.95 | 1307 | 2106 | 306 | 435 | 997 | 1668 | 19.96 | 49.82 | 17.13 | 32.90 | 2.76 | 16.84 | 0.41 |
| 04SHT589 | 17.15 | 1002 | 2244 | 267 | 541 | 732 | 1699 | 16.76 | 42.43 | 14.99 | 31.73 | 1.74 | 10.60 | 0.38 |
| 04SHT591 | 11.55 | 685 | 1422 | 177 | 299 | 505 | 1123 | 14.33 | 30.56 | 13.09 | 23.97 | 1.21 | 6.58 | 0.27 |
| 04SHT594 | 14.10 | 3294 | 3292 | 685 | 667 | 2609 | 2624 | 23.96 | 33.56 | 22.61 | 30.97 | 1.27 | 2.55 | 0.36 |
| 04SHT595 | 12.70 | 733 | 1611 | 195 | 348 | 535 | 1259 | 17.01 | 39.45 | 15.38 | 31.04 | 1.59 | 8.38 | 0.26 |
| 04SHT596 | 16.85 | 636 | 1441 | 164 | 273 | 470 | 1164 | 9.33 | 22.76 | 8.38 | 16.26 | 0.92 | 6.49 | ~ |
| 04SHT598 | 18.55 | 776 | 1711 | 193 | 319 | 581 | 1389 | 10.35 | 23.87 | 9.17 | 16.82 | 1.16 | 7.02 | 0.23 |
| 04SHT599 | 12.35 | 202 | 693 | 44 | 123 | 154 | 567 | 43.77 | 7.59 | 43.46 | 5.59 | 0.28 | 2.00 | ~ |
| 04SHT600 | 13.70 | 766 | 1630 | 204 | 368 | 559 | 1258 | 11.76 | 24.82 | 10.41 | 17.75 | 1.33 | 7.04 | 0.26 |
| 04SHT601 | 14.80 | 1324 | 2385 | 379 | 601 | 939 | 1781 | 70.08 | 116.59 | 67.75 | 109.91 | 1.54 | 6.60 | 0.22 |
| SRC # 04-403167 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT602 | 14.05 | 1038 | 1706 | 266 | 386 | 769 | 1317 | 20.71 | 34.87 | 19.01 | 26.94 | 1.68 | 7.95 | 0.29 |
| 04SMT110 | 16.50 | 1625 | 2352 | 425 | 735 | 551 | 1558 | 18.88 | 88.55 | 38.58 | 38.28 | 2.88 | 18.78 | 0.18 |
| 04SMT282 | 18.75 | 478 | 1818 | 81 | 1881 | 112 | 8888 | 81.85 | 88.18 | 88.78 | 88.21 | 8.18 | 5.11 | |
| 04SMT284 | 18.58 | 1588 | 2181 | 888 | 188 | 1188 | 1881 | 21.58 | 18.88 | 18.88 | 88.81 | 2.25 | 18.85 | 0.18 |
| 04SMT302 | 16.15 | 1285 | 2745 | 285 | 474 | 340 | 2271 | 15.58 | 41.55 | 18.38 | 31.88 | 1.58 | 8.88 | 0.27 |
| 04SMT303 | 16.85 | 1155 | 2257 | 221 | 365 | 330 | 1888 | 14.48 | 41.29 | 13.04 | 31.15 | 1.41 | 10.12 | 0.19 |
| 04SMT304 | 11.85 | 721 | 1738 | 151 | 278 | 588 | 1188 | 18.28 | 82.11 | 8.25 | 21.88 | 8.81 | 7.18 | |
| 04SMT305 | 16.38 | 518 | 2114 | 188 | 388 | 558 | 1781 | 11.47 | 35.15 | 18.18 | 25.82 | 8.85 | 8.81 | |
| 04SMT306 | 14.65 | 1018 | 1981 | 255 | 385 | 778 | 1581 | 15.05 | 38.54 | 14.88 | 27.72 | 1.82 | 11.15 | 0.38 |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.29/99653F
Samples: 75

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Report No: 04-682
Date: October 21, 2004

## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | Picroilm+ Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST585 | 3.72 | ~ | 16.27 | 2.64 | 2.24 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST586 | 4.45 | ~ | 7.84 | 1.59 | 1.38 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST587 | 4.09 | ~ | 12.57 | 1.88 | 1.28 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST588 | 3.55 | ~ | 18.88 | 1.58 | 2.70 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST589 | 1.82 | ~ | 8.84 | 1.17 | 0.53 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST590 | 1.95 | ~ | 10.74 | 1.78 | 0.87 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST591 | 1.84 | ~ | 10.87 | 1.55 | 1.02 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST593 | 4.28 | ~ | 11.23 | 1.41 | 2.50 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST596 | 3.40 | ~ | 12.05 | 1.00 | 0.97 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST610 | 0.58 | ~ | 7.88 | 1.70 | 2.02 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| SRC # 04-403167 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST611 | 2.38 | ~ | 2.85 | 0.88 | 0.21 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST613 | 10.20 | ~ | 0.00 | 0.58 | 1.10 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST617 | 2.27 | ~ | 8.91 | 1.57 | 0.64 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST618 | 1.42 | ~ | 10.17 | 1.01 | 1.74 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST621 | 0.87 | ~ | 1.17 | 0.10 | 0.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST623 | 5.08 | ~ | 2.81 | 0.88 | 1.88 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST624 | 1.88 | ~ | 10.77 | 1.59 | 0.79 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST642 | 3.29 | ~ | 7.38 | 1.41 | 2.14 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST643 | 2.30 | ~ | 7.45 | 1.64 | 2.48 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST644 | 2.72 | ~ | 7.18 | 1.21 | 0.59 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| SRC # 04-403167 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST646 | 2.36 | ~ | 5.56 | 0.87 | 0.34 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST648 | 1.86 | ~ | ~ | 0.80 | 1.25 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST651 | 2.19 | ~ | 11.57 | 2.30 | 2.39 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST660 | 2.02 | ~ | 8.19 | 1.33 | 0.75 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04KDT580 | 4.09 | ~ | 9.88 | 1.49 | 0.84 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04KDT586 | 3.84 | ~ | 7.28 | 1.27 | 0.51 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04KDT587 | 3.48 | ~ | 7.28 | 1.86 | 1.88 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04KDT588 | 3.28 | ~ | 5.84 | 1.82 | 2.57 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04KDT589 | 2.84 | ~ | 5.58 | 1.88 | 0.78 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04KDT540 | 3.11 | ~ | 6.38 | 1.50 | 0.88 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| SRC # 04-403167 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04KDT651 | 1.88 | ~ | 12.18 | 2.18 | 0.28 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04KDT588 | 2.50 | ~ | 6.39 | 1.13 | 0.81 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04KDT587 | 1.84 | ~ | 8.58 | 1.88 | 0.68 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04KDT588 | 3.40 | ~ | 7.89 | 1.28 | 0.98 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04KDT573 | 4.08 | ~ | 21.28 | 2.38 | 1.40 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04KDT577 | 7.17 | ~ | 13.88 | 1.88 | 0.78 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04KDT588 | 5.82 | ~ | 18.88 | 1.81 | 1.81 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |

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Report No: 04-682
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## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | Picroilm+ Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~04KBT637~~ | ~~0.85~~ | | ~~8.40~~ | ~~1.29~~ | ~~0.88~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KBT638~~ | ~~4.47~~ | | ~~8.57~~ | ~~1.26~~ | ~~2.55~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KBT639~~ | ~~0.72~~ | | ~~8.21~~ | ~~1.88~~ | ~~0.51~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~SRC # 04-403167~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KBT641~~ | ~~1.05~~ | | ~~5.25~~ | ~~0.88~~ | ~~1.07~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KBT642~~ | ~~1.18~~ | | ~~6.55~~ | ~~1.28~~ | ~~0.58~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KBT645~~ | ~~1.11~~ | | ~~12.88~~ | ~~1.17~~ | ~~1.85~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KBT646~~ | ~~0.58~~ | | ~~12.15~~ | ~~1.17~~ | ~~2.07~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KBT647~~ | ~~2.55~~ | | ~~11.88~~ | ~~1.85~~ | ~~0.81~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KBT648~~ | ~~0.74~~ | | ~~0.58~~ | ~~1.88~~ | ~~0.79~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KBT657~~ | ~~2.18~~ | | ~~5.58~~ | ~~0.88~~ | ~~0.58~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| 04SHT564 | 1.88 | ~ | 6.05 | 1.24 | 1.53 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT586 | 1.60 | ~ | 5.85 | 1.01 | 0.48 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT587 | 0.99 | ~ | 4.70 | 0.93 | 0.47 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| SRC # 04-403167 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT588 | 1.90 | ~ | 13.83 | 2.33 | 1.02 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT589 | 1.92 | ~ | 6.87 | 1.35 | 1.73 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT591 | 1.12 | ~ | 4.85 | 0.92 | 0.57 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT594 | 0.94 | ~ | 1.21 | 0.90 | 0.39 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT595 | 1.21 | ~ | 6.71 | 1.33 | 0.41 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT596 | 1.13 | ~ | 4.07 | 0.91 | 1.26 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT598 | 1.25 | ~ | 5.15 | 0.92 | 0.59 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT599 | 0.30 | ~ | ~ | 0.28 | 1.73 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT600 | 1.32 | ~ | 5.26 | 1.04 | 0.47 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT601 | 0.89 | ~ | 4.78 | 1.30 | 0.93 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| SRC # 04-403167 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT602 | 1.55 | ~ | 3.77 | 1.36 | 2.58 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| ~~04SHT148~~ | ~~2.55~~ | | ~~6.82~~ | ~~1.58~~ | ~~2.51~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SHT282~~ | ~~0.93~~ | | ~~5.98~~ | ~~0.47~~ | ~~1.58~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SHT294~~ | ~~1.88~~ | | ~~7.18~~ | ~~1.75~~ | ~~1.25~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SHT299~~ | ~~1.44~~ | | ~~7.55~~ | ~~1.20~~ | ~~0.67~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SHT303~~ | ~~0.88~~ | | ~~7.01~~ | ~~1.28~~ | ~~1.58~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SHT304~~ | ~~0.87~~ | | ~~6.18~~ | ~~0.81~~ | ~~0.51~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SHT305~~ | ~~1.78~~ | | ~~8.88~~ | ~~0.88~~ | ~~0.87~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SHT306~~ | ~~1.79~~ | | ~~7.11~~ | ~~1.88~~ | ~~1.85~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |

**Shear Minerals Ltd.**
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Samples: 75

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Report No: 04-682
Date: October 21, 2004

## Kimberlite Indicator Minerals

| Sample Number | Picroilm-Counts | Chr + Counts | Chr - Counts | LW Obs g | UP Obs g | Others Counts |
|---|---|---|---|---|---|---|
| [redacted] | | | | | | |
| [redacted] | | | | | | |
| [redacted] | | | | | | |
| [redacted] | | | | | | |
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| [redacted] | | | | | | |
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| 04JST642 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST643 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST644 | N/R | N/R | N/R | N/R | N/R | N/R |
| SRC # 04-403167 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST646 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST648 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST651 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST660 | N/R | N/R | N/R | N/R | N/R | N/R |
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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.29/99653F
Samples: 75

**SRC Geoanalytical Laboratories**
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 04-682
Date: October 21, 2004

## Kimberlite Indicator Minerals

| Sample Number | Picroilm-Counts | Chr + Counts | Chr - Counts | LW Obs g | UP Obs g | Others Counts |
|---|---|---|---|---|---|---|
| ~~04KDT637~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KDT638~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KDT639~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~SRC # 04-403167~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KDT641~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KDT642~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KDT645~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KDT646~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KDT647~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KDT648~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04KDT657~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| 04SHT564 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT586 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT587 | N/R | N/R | N/R | N/R | N/R | N/R |
| SRC # 04-403167 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT588 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT589 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT591 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT594 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT595 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT596 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT598 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT599 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT600 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT601 | N/R | N/R | N/R | N/R | N/R | N/R |
| SRC # 04-403167 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT602 | N/R | N/R | N/R | N/R | N/R | N/R |
| ~~04SMT416~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SMT800~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SMT801~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SMT802~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SMT803~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SMT804~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SMT805~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SMT806~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |

| SAMPLE_NUM | Pyr_05_1mm | Pyr_025_05mm | PYR_TOTAL | Ecl_05_1mm | Ecl_025_05 |
|---|---|---|---|---|---|
| 04JST417 | 0 | 0 | 0 | 1 | [illegible] |
| 04JST420 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST421 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST422 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST423 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST424 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST429 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST430 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST431 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST432 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST434 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST435 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST453 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST455 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST484 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST485 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST486 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST487 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST488 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST489 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST490 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST491 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST492 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST493 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST494 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST495 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST496 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST497 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST498 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST499 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST500 | 0 | 1 | 1 | 0 | [illegible] |
| 04JST501 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST502 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST503 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST504 | 0 | 1 | 1 | 0 | [illegible] |
| 04JST505 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST506 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST507 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST508 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST509 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST510 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST511 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST512 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST513 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST514 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST515 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST516 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST517 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST518 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST519 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST520 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST521 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST522 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST523 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST524 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST525 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST526 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST527 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST528 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST529 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST530 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST531 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST532 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST533 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST534 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST535 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST538 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST539 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST540 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST541 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST542 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST543 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST544 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST545 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST546 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST547 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST548 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST549 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST550 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST551 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST552 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST553 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST554 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST555 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST556 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST557 | 0 | 0 | 0 | 0 | [illegible] |
| 04JST558 | 0 | 0 | 0 | 0 | [illegible] |

| Group_no | SRC_Report_no | Sample_Num | Date | Sample_Type | SWT_kg | MWT+_g | MWT-_g | MAG+_g | MAG-_g | NMAG+_g | NMAG-_g | TBES+_g | TBES-_g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SM04.43 | 2004-874 | 04CLT151 | 11-09-2004 | Solid | 20.1 | 1252 | 2168 | 362 | 457 | 889 | 1714 | 21.44 | 41.08 |
| SM04.43 | 2004-874 | 04JST627 | 11-09-2004 | Solid | 21.45 | 1858 | 3090 | 462 | 663 | 1396 | 2427 | 30.18 | 58.14 |
| SM04.43 | 2004-874 | 04JST628 | 11-09-2004 | Solid | 21.55 | 1249 | 2492 | 324 | 604 | 924 | 1889 | 27.3 | 70.47 |
| SM04.43 | 2004-874 | 04JST641 | 11-09-2004 | Solid | 18.6 | 1493 | 2458 | 367 | 416 | 1126 | 2039 | 28.83 | 65.81 |
| SM04.43 | 2004-874 | 04JST647 | 11-09-2004 | Solid | 18.15 | 1548 | 1871 | 350 | 429 | 1198 | 1442 | 24.33 | 42.45 |
| SM04.43 | 2004-874 | 04JST666 | 11-09-2004 | Solid | 18.9 | 1351 | 2308 | 345 | 423 | 1003 | 1885 | 22.53 | 43.88 |
| SM04.43 | 2004-874 | 04JST667 | 11-09-2004 | Solid | 19.4 | 1409 | 2276 | 389 | 533 | 1021 | 1743 | 26.12 | 47.64 |
| SM04.43 | 2004-874 | 04JST668 | 11-09-2004 | Solid | 21.45 | 1874 | 2333 | 469 | 530 | 1405 | 1803 | 24.13 | 47.59 |
| SM04.43 | 2004-874 | 04JST669 | 11-09-2004 | Solid | 27 | 1299 | 2466 | 273 | 431 | 1024 | 2034 | 18.53 | 42.21 |
| SM04.43 | 2004-874 | 04JST670 | 11-09-2004 | Solid | 18.75 | 1343 | 2317 | 319 | 492 | 1024 | 1826 | 21.67 | 37.06 |
| SM04.43 | 2004-874 | 04JST671 | 11-09-2004 | Solid | 21.4 | 1401 | 2409 | 375 | 446 | 1025 | 1964 | 29.49 | 51.5 |
| SM04.43 | 2004-874 | 04JST674 | 11-09-2004 | Solid | 20.45 | 1692 | 2739 | 443 | 711 | 1249 | 2027 | 33.91 | 58.69 |
| SM04.43 | 2004-874 | 04JST676 | 11-09-2004 | Solid | 19.4 | 1639 | 1984 | 463 | 573 | 1176 | 1411 | 42.47 | 79.73 |
| SM04.43 | 2004-874 | 04JST677 | 11-09-2004 | Solid | 19.35 | 1178 | 2271 | 329 | 473 | 849 | 1798 | 23.93 | 72.51 |
| SM04.43 | 2004-874 | 04SHT565 | 11-09-2004 | Solid | 13.45 | 1099 | 1530 | 270 | 285 | 829 | 1245 | 21.31 | 36.55 |
| SM04.43 | 2004-874 | 04SHT566 | 11-09-2004 | Solid | 13.95 | 1240 | 2030 | 286 | 438 | 954 | 1591 | 21.76 | 40.89 |
| SM04.43 | 2004-874 | 04SHT567 | 11-09-2004 | Solid | 14.5 | 4907 | 4322 | 1017 | 717 | 3889 | 3607 | 57.67 | 78.34 |
| SM04.43 | 2004-874 | 04SHT568 | 11-09-2004 | Solid | 21.8 | 8104 | 2348 | 1778 | 511 | 6329 | 1838 | 135.07 | 79.57 |
| SM04.43 | 2004-874 | 04SHT569 | 11-09-2004 | Solid | 13 | 959 | 1427 | 192 | 223 | 767 | 1204 | 16.26 | 30.07 |
| SM04.43 | 2004-874 | 04SHT570 | 11-09-2004 | Solid | 14 | 953 | 1660 | 297 | 478 | 656 | 1182 | 59.04 | 106.08 |
| SM04.43 | 2004-874 | 04SHT571 | 11-09-2004 | Solid | 16.75 | 836 | 1776 | 173 | 232 | 663 | 1543 | 9.57 | 25.69 |
| SM04.43 | 2004-874 | 04SHT572 | 11-09-2004 | Solid | 14.2 | 4018 | 4439 | 1082 | 752 | 2936 | 3687 | 86.98 | 108.74 |
| SM04.43 | 2004-874 | 04SHT582 | 11-09-2004 | Solid | 14.85 | 1148 | 2029 | 306 | 384 | 843 | 1645 | 20.41 | 38.2 |
| SM04.43 | 2004-874 | 04SHT603 | 11-09-2004 | Solid | 12.6 | 830 | 1409 | 245 | 286 | 585 | 1122 | 18.1 | 35.78 |
| SM04.43 | 2004-874 | 04SHT604 | 11-09-2004 | Solid | 14.95 | 1224 | 1842 | 235 | 345 | 989 | 1497 | 15.13 | 31.09 |
| SM04.43 | 2004-874 | 04SHT605 | 11-09-2004 | Solid | 14.25 | 899 | 1289 | 247 | 237 | 653 | 1051 | 19.99 | 30.34 |
| SM04.43 | 2004-874 | 04SHT608 | 11-09-2004 | Solid | 10.35 | 742 | 1338 | 172 | 303 | 569 | 1035 | 11.54 | 25.72 |
| SM04.43 | 2004-874 | 04SHT609 | 11-09-2004 | Solid | 13.1 | 1153 | 1720 | 311 | 320 | 842 | 1401 | 21.62 | 39.13 |
| SM04.43 | 2004-874 | 04SHT610 | 11-09-2004 | Solid | 10.9 | 378 | 663 | 82 | 165 | 296 | 497 | 81.77 | 17.9 |
| SM04.43 | 2004-874 | 04SHT612 | 11-09-2004 | Solid | 13.85 | 1073 | 1858 | 278 | 366 | 795 | 1492 | 21.77 | 47.02 |
| SM04.43 | 2004-874 | 04SHT613 | 11-09-2004 | Solid | 11.6 | 3660 | 2022 | 882 | 472 | 2794 | 1565 | 54.61 | 61.02 |
| SM04.43 | 2004-874 | 04SHT614 | 11-09-2004 | Solid | 14.85 | 987 | 2093 | 218 | 358 | 784 | 1737 | 15.74 | 38.29 |
| SM04.43 | 2004-874 | 04SHT616 | 11-09-2004 | Solid | 12 | 3295 | 556 | 743 | 163 | 2551 | 393 | 23.2 | 17.69 |
| SM04.43 | 2004-874 | 04SHT617 | 11-09-2004 | Solid | 8.25 | 417 | 932 | 109 | 225 | 308 | 707 | 7.74 | 20.65 |
| SM04.43 | 2004-874 | 04SHT618 | 11-09-2004 | Solid | 13.25 | 1147 | 1730 | 268 | 338 | 879 | 1393 | 17.66 | 36.33 |
| SM04.43 | 2004-874 | 04SHT619 | 11-09-2004 | Solid | 12.15 | 927 | 2000 | 214 | 360 | 713 | 1639 | 11.59 | 32 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SM04.43 | 2004-874 | 04SHT620 | 11-09-2004 | Solid | 11.55 | 761 | 1539 | 177 | 298 | 583 | 1241 | 12.45 | 29.43 |
| SM04.43 | 2004-874 | 04SHT621 | 11-09-2004 | Solid | 14.65 | 1240 | 2340 | 280 | 486 | 960 | 1854 | 20.16 | 44.64 |
| SM04.43 | 2004-874 | 04SHT625 | 11-09-2004 | Solid | 15.25 | 834 | 1841 | 212 | 342 | 622 | 1499 | 15.27 | 34.9 |
| SM04.43 | 2004-874 | 04SHT626 | 11-09-2004 | Solid | 13.2 | 706 | 1467 | 194 | 353 | 511 | 1114 | 19.26 | 40.61 |
| SM04.43 | 2004-874 | 04SHT627 | 11-09-2004 | Solid | 16.45 | 1058 | 2135 | 305 | 538 | 753 | 1597 | 32.59 | 63.81 |
| SM04.43 | 2004-874 | 04SHT631 | 11-09-2004 | Solid | 14 | 1014 | 2070 | 219 | 307 | 794 | 1763 | 12.66 | 32.14 |
| SM04.43 | 2004-874 | 04SHT634 | 11-09-2004 | Solid | 13.9 | 1084 | 2983 | 264 | 527 | 820 | 2455 | 17.47 | 47.09 |

| MIF+_g | MIF-_g | MIS+_g | MIS-_g | FM+_g | FM-_g | UP+_g | UP-_g | LW+_g | LW-_g | Pyr-p +_Counts | Pyr-p -_Counts | Pyr-e +_Counts | Pyr-e -_Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19.17 | 29.87 | 2.26 | 11.05 | 0.32 | 1.9 | 0 | 6.89 | 1.9 | 2.23 | 0 | 0 | 0 | 2 |
| [redacted] | | | | | | | | | | | | | |
| 26.66 | 41.26 | 3.52 | 16.79 | 0.66 | 2.66 | 2.42 | 12.67 | 0.4 | 1.38 | 1 | 1 | 0 | 0 |
| 24.51 | 55.64 | 2.79 | 14.79 | 0.9 | 3.81 | 0 | 8.45 | 1.87 | 2.46 | 0 | 0 | 0 | 0 |
| 26.6 | 55.37 | 2.23 | 10.22 | 0.47 | 1.17 | 0 | 8.16 | 1.73 | 0.85 | 0 | 0 | 0 | 0 |
| 21.57 | 31.06 | 2.76 | 11.33 | 0.67 | 2.53 | 0 | 8.07 | 2.05 | 0.7 | 0 | 0 | 0 | 0 |
| 20.24 | 31.29 | 2.27 | 12.5 | 0.55 | 2.58 | 0 | 7.79 | 1.68 | 2.11 | 0 | 0 | 0 | 0 |
| 23.65 | 34.34 | 2.47 | 13.19 | 0.65 | 2.45 | 0 | 9.27 | 1.78 | 1.46 | 0 | 0 | 0 | 0 |
| 20.66 | 33.21 | 3.48 | 14.27 | 0.67 | 2.21 | 0 | 9.58 | 2.75 | 2.45 | 0 | 0 | 0 | 0 |
| 16.29 | 27.46 | 2.25 | 14.66 | 0.45 | 2.1 | 0 | 11.01 | 1.75 | 1.5 | 0 | 0 | 0 | 0 |
| 19.35 | 24.93 | 2.32 | 12.02 | 0.43 | 1.64 | 0 | 8.11 | 1.84 | 2.25 | 0 | 0 | 0 | 0 |
| 26.25 | 36.28 | 3.23 | 15.07 | 0.81 | 2.74 | 0 | 9.56 | 2.37 | 2.73 | 0 | 0 | 0 | 0 |
| 30.9 | 43.56 | 2.96 | 15.01 | 0.7 | 3.06 | 0 | 10.27 | 2.21 | 1.63 | 0 | 0 | 0 | 0 |
| 38.58 | 65.52 | 3.81 | 14.09 | 0.76 | 2.66 | 2.28 | 10.18 | 0.7 | 1.21 | 0 | 0 | 0 | 0 |
| 21.9 | 59.46 | 2.04 | 12.9 | 0.55 | 3.36 | 0 | 7.39 | 1.44 | 2.13 | 0 | 0 | 0 | 0 |
| [redacted] | | | | | | | | | | | | | |
| 19.42 | 29.18 | 1.87 | 7.18 | 0.46 | 1.39 | 0 | 4.47 | 1.4 | 1.29 | 1 | 0 | 0 | 2 |
| 19.81 | 31.42 | 1.89 | 9.38 | 0.52 | 1.84 | 0 | 5.09 | 1.36 | 2.41 | 0 | 0 | 0 | 0 |
| 55.14 | 72.42 | 2.52 | 5.74 | 0.56 | 1.5 | 0 | 2.68 | 1.94 | 1.52 | 0 | 1 | 0 | 0 |
| 124.48 | 65.95 | 10.49 | 13.41 | 2.07 | 2.81 | 6.73 | 9.09 | 1.65 | 1.48 | 0 | 0 | 0 | 0 |
| 14.46 | 22.52 | 1.76 | 7.43 | 0.36 | 1.11 | 0 | 4.69 | 1.39 | 1.6 | 0 | 0 | 0 | 0 |
| 57.24 | 95.75 | 1.82 | 10.09 | 0.18 | 0.84 | 0 | 5.96 | 1.62 | 3.27 | 1 | 0 | 0 | 0 |
| 8.72 | 20.75 | 0.81 | 4.86 | 0.05 | 0.23 | 0 | 4.16 | 0.76 | 0.45 | 0 | 0 | 0 | 0 |
| 77.71 | 83.97 | 9.06 | 24.68 | 1.84 | 4.83 | 5.88 | 14.91 | 1.31 | 4.91 | 0 | 0 | 0 | 0 |
| 18.67 | 32.11 | 1.69 | 5.98 | 0.68 | 1.48 | 0 | 3.82 | 1.01 | 0.66 | 0 | 0 | 0 | 0 |
| 16.02 | 25.53 | 2.06 | 10.15 | 0.49 | 1.79 | 0 | 7.34 | 1.56 | 1 | 0 | 0 | 0 | 0 |
| 13.86 | 24.84 | 1.25 | 6.17 | 0.15 | 0.48 | 0 | 4.52 | 1.09 | 1.16 | 0 | 0 | 0 | 0 |
| 18.26 | 23.52 | 1.71 | 6.73 | 0.3 | 1.23 | 0 | 4.7 | 1.4 | 0.77 | 0 | 1 | 0 | 0 |
| 10.59 | 19.59 | 0.94 | 6.06 | 0.16 | 0.99 | 0 | 4.34 | 0.78 | 0.71 | 0 | 0 | 0 | 0 |
| 19.81 | 28.25 | 1.79 | 10.85 | 0.33 | 1.59 | 0 | 6.97 | 1.45 | 2.24 | 0 | 0 | 0 | 0 |
| 81.21 | 10.41 | 0.77 | 7.43 | 0.12 | 0.83 | 0 | 5.4 | 0.65 | 1.16 | 0 | 0 | 0 | 0 |
| 19.79 | 37.06 | 1.98 | 9.82 | 0.32 | 1.26 | 0 | 7.55 | 1.65 | 0.97 | 0 | 0 | 0 | 1 |
| 51.59 | 54.53 | 3.3 | 6.29 | 0.53 | 1.12 | 0 | 3.71 | 2.74 | 1.41 | 0 | 0 | 0 | 0 |
| 14.19 | 28.94 | 1.54 | 9.23 | 0.26 | 1.19 | 0 | 7.15 | 1.26 | 0.83 | 0 | 0 | 0 | 0 |
| 22.09 | 16.11 | 1.12 | 1.5 | 0.3 | 0.85 | 0 | 0 | 0.81 | 0.63 | 0 | 0 | 0 | 0 |
| 7.06 | 16.15 | 0.67 | 4.43 | 0.14 | 0.75 | 0 | 2.74 | 0.51 | 0.89 | 0 | 0 | 0 | 0 |
| 16.3 | 30.13 | 1.38 | 6.09 | 0.25 | 0.8 | 0 | 4.71 | 1.11 | 0.52 | 0 | 0 | 0 | 0 |
| 10.48 | 24.58 | 1.09 | 7.36 | 0.21 | 1.04 | 0 | 4.74 | 0.87 | 1.48 | 0 | 0 | 0 | 0 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11.35 | 22.76 | 1.09 | 6.6 | 0.23 | 0.94 | 0 | 4.31 | 0.85 | 1.28 | 0 | 0 | 0 | 0 |
| 18.43 | 35.29 | 1.73 | 9.16 | 0.57 | 2.09 | 0 | 6.18 | 1.14 | 0.84 | 0 | 1 | 0 | 1 |
| 13.68 | 25.8 | 1.58 | 8.97 | 0.24 | 1.11 | 0 | 6.01 | 1.34 | 1.76 | 0 | 1 | 0 | 0 |
| 17.48 | 32.85 | 1.76 | 7.64 | 0.33 | 1.08 | 0 | 5.63 | 1.42 | 0.88 | 1 | 0 | 0 | 0 |
| 30.5 | 53.21 | 2.04 | 10.48 | 0.44 | 1.85 | 0 | 7.44 | 1.59 | 1.13 | 0 | 0 | 0 | 0 |
| 11.3 | 25.44 | 1.34 | 6.59 | 0.08 | 0.36 | 0 | 5.09 | 1.25 | 1.07 | 0 | 0 | 0 | 1 |
| 16.06 | 39.84 | 1.39 | 7.11 | 0.2 | 0.76 | 0 | 5.64 | 1.17 | 0.65 | 0 | 0 | 0 | 0 |

| Olv +_Counts | Olv -_Counts | Cpx+_ Counts | Cpx-_ Counts | icroilm+_Count | Picroilm-_Counts | Chr +_Counts | Chr -_Counts | LW+_g | LW+_OBS_wt% | LW-_g | LW-_OBS_wt% | LW_total_OBS_g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1.9 | 100 | 2.23 | 100 | 4.13 |
| [redacted] | | | | | | | | | | | | |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 100 | 1.38 | 100 | 1.78 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1.87 | 100 | 2.46 | 100 | 4.33 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.73 | 100 | 0.85 | 100 | 2.58 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.05 | 100 | 0.7 | 100 | 2.75 |
| 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 1.68 | 100 | 2.11 | 100 | 3.79 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.78 | 100 | 1.46 | 100 | 3.24 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.75 | 100 | 2.45 | 100 | 5.2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.75 | 100 | 1.5 | 100 | 3.25 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1.84 | 100 | 2.25 | 100 | 4.09 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2.37 | 100 | 2.73 | 100 | 5.1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2.21 | 100 | 1.63 | 100 | 3.84 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 | 100 | 1.21 | 100 | 1.91 |
| [redacted] | | | | | | | | | | | | |
| 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1.4 | 100 | 1.29 | 100 | 2.69 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.36 | 100 | 2.41 | 100 | 3.77 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.94 | 100 | 1.52 | 100 | 3.46 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1.65 | 100 | 1.48 | 100 | 3.13 |
| 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1.39 | 100 | 1.6 | 100 | 2.99 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1.62 | 100 | 3.27 | 100 | 4.89 |
| 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0.76 | 100 | 0.45 | 100 | 1.21 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.31 | 100 | 4.91 | 100 | 6.22 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1.01 | 100 | 0.66 | 100 | 1.67 |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1.56 | 100 | 1 | 100 | 2.56 |
| 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1.09 | 100 | 1.16 | 100 | 2.25 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 100 | 0.77 | 100 | 2.17 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.78 | 100 | 0.71 | 100 | 1.49 |
| 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1.45 | 100 | 2.24 | 100 | 3.69 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0.65 | 100 | 1.16 | 100 | 1.81 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.65 | 100 | 0.97 | 100 | 2.62 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.74 | 100 | 1.41 | 100 | 4.15 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.26 | 100 | 0.83 | 100 | 2.09 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.81 | 100 | 0.63 | 100 | 1.44 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.51 | 100 | 0.89 | 100 | 1.4 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.11 | 100 | 0.52 | 100 | 1.63 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.87 | 100 | 1.48 | 100 | 2.35 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.85 | 100 | 1.28 | 100 | 2.13 |
| 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.14 | 100 | 0.84 | 100 | 1.98 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.34 | 100 | 1.76 | 100 | 3.1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1.42 | 100 | 0.88 | 100 | 2.3 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.59 | 100 | 1.13 | 100 | 2.72 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1.25 | 100 | 1.07 | 100 | 2.32 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.17 | 100 | 0.65 | 100 | 1.82 |

| LW_total_OBS_wt% | UP+_g | UP+_OBS_wt% | UP-_OBS_g | UP-_OBS_wt% | UP_total_OBS_g | UP_total_OBS_wt% | -025_g | Other | FM+_g | FM-_g |
|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 0 | 100 | 6.89 | 100.0 | 6.89 | 100 | | | | |
| [redacted] | | | | | | | | | | |
| 100 | 2.42 | 100 | 12.67 | 100.0 | 15.09 | 100 | | | | |
| 100 | 0 | 100 | 8.45 | 100.0 | 8.45 | 100 | | | | |
| 100 | 0 | 100 | 8.16 | 100.0 | 8.16 | 100 | | | | |
| 100 | 0 | 100 | 8.07 | 100.0 | 8.07 | 100 | | | | |
| 100 | 0 | 100 | 7.79 | 100.0 | 7.79 | 100 | | | | |
| 100 | 0 | 100 | 9.27 | 100.0 | 9.27 | 100 | | | | |
| 100 | 0 | 100 | 9.58 | 100.0 | 9.58 | 100 | | | | |
| 100 | 0 | 100 | 11.01 | 100.0 | 11.01 | 100 | | | | |
| 100 | 0 | 100 | 8.11 | 100.0 | 8.11 | 100 | | | | |
| 100 | 0 | 100 | 9.56 | 100.0 | 9.56 | 100 | | | | |
| 100 | 0 | 100 | 10.27 | 100.0 | 10.27 | 100 | | | | |
| 100 | 2.28 | 100 | 10.18 | 100.0 | 12.46 | 100 | | | | |
| 100 | 0 | 100 | 7.39 | 100.0 | 7.39 | 100 | | | | |
| [redacted] | | | | | | | | | | |
| 100 | 0 | 100 | 4.47 | 100.0 | 4.47 | 100 | | | | |
| 100 | 0 | 100 | 5.09 | 100.0 | 5.09 | 100 | | | | |
| 100 | 0 | 100 | 2.68 | 100.0 | 2.68 | 100 | | | | |
| 100 | 6.73 | 100 | 5.2 | 57.2 | 11.93 | 100 | | | | |
| 100 | 0 | 100 | 4.69 | 100.0 | 4.69 | 100 | | | | |
| 100 | 0 | 100 | 5.96 | 100.0 | 5.96 | 100 | | | | |
| 100 | 0 | 100 | 4.16 | 100.0 | 4.16 | 100 | | | | |
| 100 | 5.88 | 100 | 8 | 53.7 | 13.88 | 100 | | | | |
| 100 | 0 | 100 | 3.82 | 100.0 | 3.82 | 100 | | | | |
| 100 | 0 | 100 | 7.34 | 100.0 | 7.34 | 100 | | | | |
| 100 | 0 | 100 | 4.52 | 100.0 | 4.52 | 100 | | | | |
| 100 | 0 | 100 | 4.7 | 100.0 | 4.7 | 100 | | | | |
| 100 | 0 | 100 | 4.34 | 100.0 | 4.34 | 100 | | | | |
| 100 | 0 | 100 | 6.97 | 100.0 | 6.97 | 100 | | | | |
| 100 | 0 | 100 | 5.4 | 100.0 | 5.4 | 100 | | | | |
| 100 | 0 | 100 | 7.55 | 100.0 | 7.55 | 100 | | | | |
| 100 | 0 | 100 | 3.71 | 100.0 | 3.71 | 100 | | | | |
| 100 | 0 | 100 | 7.15 | 100.0 | 7.15 | 100 | | | | |
| 100 | 0 | 100 | 0 | 0.0 | 0 | 100 | | | | |
| 100 | 0 | 100 | 2.74 | 100.0 | 2.74 | 100 | | | | |
| 100 | 0 | 100 | 4.71 | 100.0 | 4.71 | 100 | | | | |
| 100 | 0 | 100 | 4.74 | 100.0 | 4.74 | 100 | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 100 | 0 | 100 | 4.31 | 100.0 | 4.31 | 100 |
| 100 | 0 | 100 | 6.18 | 100.0 | 6.18 | 100 |
| 100 | 0 | 100 | 6.01 | 100.0 | 6.01 | 100 |
| 100 | 0 | 100 | 5.63 | 100.0 | 5.63 | 100 |
| 100 | 0 | 100 | 7.44 | 100.0 | 7.44 | 100 |
| 100 | 0 | 100 | 5.09 | 100.0 | 5.09 | 100 |
| 100 | 0 | 100 | 5.64 | 100.0 | 5.64 | 100 |

# APPENDIX 6c

# GDES Picked Results

Summary GDES Picked Results

| Sample | EASTING | NORTHING | ECL_ Total | CPX_ Total | OLV_ Total | ILM_ Total | CHR_ Total | Total_ KIMS | Total_ Kims_noOl | Pyr_05 _1mm | Ecl_05_ 1mm | Cpx_05_ 1mm | Ilm_05_1mm | Chr_05_1mm | Olv_05 _1mm | Pyr_025_05mm | Ecl_025_05mm | Cpx_025_05mm | Ilm_025_05mm | Chr_025_05mm | Olv_025_05mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT425 | 374490 | 7073485 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT426 | 372046 | 7076597 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT427 | 369344 | 7081808 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT428 | 371982 | 7084942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT429 | 374394 | 7083884 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT430 | 375982 | 7081016 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT445 | 418729 | 7044672 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT447 | 422725 | 7047725 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT448 | 424701 | 7048470 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT450 | 420644 | 7049842 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT452 | 418848 | 7051364 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT453 | 415903 | 7049556 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT454 | 415161 | 7052126 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT457 | 424113 | 7055613 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT460 | 408274 | 7044248 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT463 | 401652 | 7046520 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT464 | 405837 | 7048865 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT491 | 376452 | 7033738 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT493 | 377594 | 7042151 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04SHT501 | 371398 | 7050572 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT540 | 392495 | 7023005 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT406 | 355260 | 7097567 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04SHT409 | 361365 | 7095393 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT412 | 354062 | 7096697 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT414 | 358102 | 7090557 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04SHT415 | 361316 | 7091047 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT416 | 364967 | 7092622 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT417 | 363891 | 7088772 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT419 | 355963 | 7087359 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 04SHT421 | 366660 | 7082063 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT423 | 368532 | 7073683 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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Shear Minerals Ltd.
Attention: Jennifer Burgess
PO #/Project: SM04.30/99653F
Samples: 93

**Global Diamond Exploration Services Pty. Ltd**

85 Sample concentrates all completely picked
**Final Results - SEM confirmation complete**
Notes; KIM = Kimberlitic, NK = non-kimberlitic.

+ = -1.0 + 0.5 mm - = -0.5 + 0.25 mm

| | | | | Sample weight | Deslimed weight | | | Mags | | Non-mags | | Heavy Liquid (TBE -SG 2.96) | | Heavy Liquid (MI - SG <3.3) | | Heavy Liquid (MI - SG>3.3) | | Ferromags | | Frantz Magnetic Sep Upper Franz (oxides) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Group # | Description | Date | Sample Type | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g | FM- g | UP+ g | UP- g |
| 2004-700 | 04SHT406 | 09-24-2004 | Solid | 10.75 | 1190 | 1662 | 67 | 123 | 1130 | 1548 | 67 | 21.68 | 65.16 | 4.03 | 1.87 | 17.62 | 0.13 | 0.62 | ~ | 16.45 |
| 2004-700 | 04SHT409 | 09-24-2004 | Solid | 15.75 | 1778 | 2015 | 46 | 89 | 1740 | 1936 | 46 | 3.03 | 45.95 | ~ | 0.09 | ~ | ~ | 0.04 | ~ | 1 |
| 2004-700 | 04SHT412 | 09-24-2004 | Solid | 19.6 | 1800 | 4097 | 104 | 175 | 1704 | 3928 | 7.05 | 28.78 | 5.28 | 9.77 | 1.75 | 19.01 | 0.23 | 0.92 | ~ | 16.2 |
| 2004-700 | 04SHT414 | 09-24-2004 | Solid | 16.05 | 4982 | 2599 | 175 | 129 | 4825 | 2479 | 12.19 | 10.89 | 9.87 | 5.83 | 2.3 | 5.06 | 0.28 | 0.42 | ~ | 3.97 |
| 2004-700 | 04SHT415 | 09-24-2004 | Solid | 16.4 | 694 | 1439 | 45 | 114 | 657 | 1335 | 45 | 16.33 | 43.45 | 3.62 | 1.13 | 12.7 | ~ | 0.63 | ~ | 11.05 |
| 2004-700 | 04SHT416 | 09-24-2004 | Solid | 15.3 | 1522 | 2232 | 67 | 133 | 1464 | 2106 | 67 | 30.64 | 65.13 | 6.4 | 2.25 | 24.22 | 0.13 | 0.65 | ~ | 22.96 |
| 2004-700 | 04SHT417 | 09-24-2004 | Solid | 17.75 | 1559 | 2658 | 77 | 158 | 1492 | 2502 | 77 | 31.42 | 73.5 | 5.74 | 2.97 | 25.66 | 0.17 | 0.86 | ~ | 22.14 |
| 2004-700 | 04SHT419 | 09-24-2004 | Solid | 17 | 2145 | 3202 | 94 | 160 | 2061 | 3050 | 8.49 | 32.62 | 6.29 | 8.88 | 2.19 | 23.74 | 0.15 | 0.66 | ~ | 22.22 |
| 2004-700 | 04SHT421 | 09-24-2004 | Solid | 13.2 | 1230 | 1876 | 58 | 105 | 1180 | 1779 | 58 | 22.19 | 54.94 | 4.45 | 2.42 | 17.73 | 0.19 | 0.57 | ~ | 15.34 |
| 2004-700 | 04SHT423 | 09-24-2004 | Solid | 13.45 | 739 | 1075 | 58 | 149 | 690 | 935 | 58 | 68.56 | 48.85 | 3.74 | 9.19 | 64.81 | 0.56 | 1.75 | 8.47 | 56.96 |
| 2004-700 | R | 09-24-2004 | Repeat | | | | | | | | | | | | | | | | | |
| 2004-700 | 04SHT425 | 09-24-2004 | Solid | 16.2 | 1653 | 2260 | 77 | 70 | 1592 | 2190 | 6.48 | 25.78 | 2.92 | 5.54 | 3.54 | 20.22 | 0.28 | 0.66 | ~ | 19.01 |
| 2004-700 | 04SHT426 | 09-24-2004 | Solid | 19.3 | 1993 | 2702 | 134 | 149 | 1859 | 2562 | 6.47 | 33.17 | 3.36 | 6.55 | 3.09 | 26.62 | 0.22 | 0.77 | ~ | 25.02 |
| 2004-700 | 04SHT427 | 09-24-2004 | Solid | 13.95 | 825 | 1442 | 41 | 85 | 794 | 1366 | 41 | 28.91 | 38.9 | 6.7 | 2.41 | 22.15 | 0.16 | 0.73 | ~ | 20.96 |
| 2004-700 | 04SHT428 | 09-24-2004 | Solid | 19.15 | 1882 | 2770 | 103 | 171 | 1788 | 2605 | 9.28 | 59.71 | 4.52 | 7.59 | 4.74 | 52.08 | 0.27 | 1.34 | 4.01 | 49.53 |
| 2004-700 | 04SHT429 | 09-24-2004 | Solid | 15.8 | 1469 | 2275 | 67 | 135 | 1411 | 2149 | 67 | 28.31 | 65.08 | 5.05 | 2.18 | 23.25 | 0.12 | 0.74 | ~ | 19.81 |
| 2004-700 | 04SHT430 | 09-24-2004 | Solid | 19.05 | 1711 | 2493 | 89 | 163 | 1631 | 2338 | 7.03 | 30.49 | 3.65 | 6.12 | 3.38 | 24.09 | 0.2 | 0.73 | ~ | 22.67 |
| 2004-700 | 04SHT445 | 09-24-2004 | Solid | 21.15 | 2338 | 2361 | 168 | 173 | 2178 | 2196 | 12.92 | 32.98 | 10.03 | 13.2 | 2.87 | 19.74 | 0.25 | 1.11 | ~ | 17.87 |
| 2004-700 | 04SHT447 | 09-24-2004 | Solid | 16.65 | 1404 | 2292 | 146 | 223 | 1267 | 2078 | 9.66 | 28.71 | 7.02 | 11.7 | 2.64 | 17 | 0.23 | 0.77 | ~ | 14.14 |
| 2004-700 | 04SHT448 | 09-24-2004 | Solid | 16.15 | 1438 | 2357 | 141 | 189 | 1305 | 2177 | 11.63 | 32.6 | 8.95 | 14.21 | 2.67 | 18.38 | 0.23 | 0.89 | ~ | 16.88 |
| 2004-700 | 04SHT450 | 09-24-2004 | Solid | 20.4 | 4781 | 2888 | 517 | 363 | 4280 | 2535 | 59.35 | 134.21 | 33.86 | 17.79 | 25.52 | 116.36 | 1.92 | 5.26 | 22.5 | 90.76 |
| 2004-700 | R | 09-24-2004 | Repeat | | | | | | | | | | | | | | | | | |
| 2004-700 | 04SHT452 | 09-24-2004 | Solid | 13.8 | 1181 | 1977 | 95 | 142 | 1095 | 1845 | 7.47 | 25.99 | 5.39 | 8.28 | 1.96 | 17.69 | 0.16 | 0.66 | ~ | 16.48 |
| 2004-700 | 04SHT453 | 09-24-2004 | Solid | 18.75 | 1667 | 2603 | 109 | 194 | 1566 | 2417 | 9.15 | 35.84 | 5.09 | 8.39 | 4.05 | 27.41 | 0.28 | 1.04 | ~ | 25.65 |
| 2004-700 | 04SHT454 | 09-24-2004 | Solid | 17.35 | 1498 | 2498 | 108 | 206 | 1400 | 2300 | 9.42 | 37.98 | 5.24 | 9.12 | 4.18 | 28.84 | 0.34 | 1.18 | ~ | 26.78 |
| 2004-700 | 04SHT457 | 09-24-2004 | Solid | 14.15 | 1139 | 2061 | 110 | 176 | 1038 | 1890 | 8.11 | 25.45 | 6.09 | 11.7 | 2.02 | 13.73 | 0.21 | 0.93 | ~ | 11.54 |
| 2004-700 | 04SHT460 | 09-24-2004 | Solid | 16.15 | 1317 | 2289 | 79 | 127 | 1247 | 2171 | 79 | 28.94 | 76.61 | 10.47 | 1.66 | 18.47 | ~ | 0.61 | ~ | 15.74 |
| 2004-700 | 04SHT463 | 09-24-2004 | Solid | 19 | 2031 | 2851 | 156 | 251 | 1871 | 2596 | 10.95 | 43.83 | 5.81 | 9.51 | 5.15 | 34.34 | 0.29 | 0.95 | 4.56 | 30.9 |
| 2004-700 | 04SHT464 | 09-24-2004 | Solid | 19.05 | 1439 | 2397 | 122 | 238 | 1313 | 2155 | 6.48 | 25.63 | 4.32 | 7.8 | 2.22 | 17.57 | 0.16 | 0.68 | ~ | 16.27 |
| 2004-700 | 04SHT491 | 09-24-2004 | Solid | 19.9 | 311 | 614 | 49 | 78 | 259 | 533 | 49 | 78.86 | 49.07 | 76.22 | 0.39 | 2.48 | ~ | 0.31 | ~ | ~ |
| 2004-700 | 04SHT493 | 09-24-2004 | Solid | 21.1 | 1780 | 3391 | 108 | 214 | 1669 | 3176 | 9.28 | 24.25 | 7.22 | 9.87 | 2.07 | 14.38 | 0.2 | 0.82 | ~ | 12.62 |
| 2004-700 | 04SHT501 | 09-24-2004 | Solid | 16.95 | 1314 | 2353 | 86 | 159 | 1226 | 2190 | 8.52 | 17.1 | 6.93 | 6.33 | 1.59 | 10.76 | 0.13 | 0.58 | ~ | 8.78 |
| 2004-700 | R | 09-24-2004 | Repeat | | | | | | | | | | | | | | | | | |
| 2004-700 | 04SHT540 | 09-24-2004 | Solid | 19.85 | 1378 | 3001 | 133 | 249 | 1243 | 2748 | 10.26 | 22.28 | 9.37 | 17.32 | 0.89 | 4.91 | ~ | 0.15 | ~ | 4.3 |
| [redacted] | | | | | | | | | | | | | | | | | | | | |

+ = 1.0 + 0.5 mm - = -0.5 + 0.25 mm

| | | | | Sample weight | Deslimed weight | | | Mags | | Non-mags | | Heavy Liquid (TBE -SG 2.96) | | Heavy Liquid (MI - SG <3.3) | | Heavy Liquid (MI - SG>3.3) | | Ferromags | | Frantz Magnetic Sep Upper Franz (oxides) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g | FM- g | UP+ g | UP- g |
| [redacted] | | | | | | | | | | | | | | | | | | | | |
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| [redacted] | | | | | | | | | | | | | | | | | | | | |

| | ɪaration at 0.37 amps LW+ g | Lower Franz (silicates) LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | Picroilm+ Counts | Picroilm- Counts | Chr + Counts | Chr - Counts | LW Obs g | UP Obs g | Others Counts | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Group # | | | | | | | | | | | | | | | | | | |
| 2004-700 | 1.74 | 0.52 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 0.09 | 1.97 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 1.52 | 1.86 | | | | | | | | | | | | 1 | Complete | Complete | | NK; Grain lost before SEM check |
| 2004-700 | 2.02 | 0.65 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 1.13 | 1 | | | | | | | | | | | | | Complete | Complete | | SEM result - 1 x Fe ilmenite - 0% MgO |
| 2004-700 | 2.12 | 0.59 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 2.8 | 2.59 | | | | | | | | | | | | 2 | Complete | Complete | | NK: Chromite confirmed by SEM |
| 2004-700 | 2.05 | 0.86 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 2.22 | 1.77 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 0.16 | 6.02 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | | | | | | | | | | | | | | | | | | |
| 2004-700 | 3.26 | 0.52 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 2.87 | 0.79 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 2.25 | 0.45 | | | | | | | | | | | 1 | | Complete | Complete | | NK: Chromite confirmed by SEM |
| 2004-700 | 0.43 | 1.19 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 2.06 | 2.63 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 3.17 | 0.66 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 2.62 | 0.72 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 2.41 | 2.05 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 2.44 | 0.58 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 1.09 | 20.97 | | | | | | | | | | | | | Complete | Complete | | Garnet confirmed by SEM - low MgO almandine |
| 2004-700 | | | | | | | | | | | | | | | | | | |
| 2004-700 | 1.91 | 0.46 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 3.79 | 0.68 | | | | | | | | | | | | | Complete | Complete | | 4 x garnets confirmed by SEM as grossular |
| 2004-700 | 3.85 | 0.82 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 1.82 | 1.22 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 1.67 | 2.07 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 0.28 | 2.37 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 2.07 | 0.58 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 0.39 | 2.14 | | | | | | | | | | | | 1 | Complete | Complete | | NK: Chromite confirmed by SEM |
| 2004-700 | 1.87 | 0.86 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | 1.46 | 1.33 | | | | | | | | | | | | | Complete | Complete | | |
| 2004-700 | | | | | | | | | | | | | | | | | | |
| 2004-700 | 0.89 | 0.42 | | | | | | | | | | | | 1 | Complete | Complete | | NK: Chromite confirmed by SEM |

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aration at 0.37 amps

Lower Franz (silicates)

| | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | Picroilm+ Counts | Picroilm- Counts | Chr + Counts | Chr - Counts | LW Obs g | UP Obs g | Others Counts | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |

| Group # |
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2004-700 [redacted]
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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.30/99653F
Samples: 93

**SRC Geoanalytical Laboratories**
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Report No: 04-700
Date: October 21, 2004

## Kimberlite Indicator Minerals

Column Header Details

Sample Weight in kilograms (SWT)
Mid Fraction -1.00+0.50MM Dry Weight in grams (MWT+)
Mid Fraction -0.50+0.25MM Dry Weight in grams (MWT-)
Permroll Mag -1.00+0.50MM Weight in grams (MAG+)
Permroll Mag -0.50+0.25MM Weight in grams (MAG-)

Permroll Non Mag -1.00+0.50MM Weight in grams (NMAG+)
Permroll Non Mag -0.50+0.25MM Weight in grams (NMAG-)
TBE Sinks SG>2.96 -1.00+0.50MM Weight in grams (TBES+)
TBE Sinks SG>2.96 -0.50+0.25MM Weight in grams (TBES-)
MI Floats SG<3.3 -1.00+0.50MM Weight in grams (MIF+)

MI Floats SG<3.3 -0.50+0.25MM Weight in grams (MIF-)
MI Sinks SG>3.3 -1.00+0.50MM Weight in grams (MIS+)
MI Sinks SG>3.3 -0.50+0.25MM Weight in grams (MIS-)
Ferro Mags -1.00+0.50mm Weight in grams (FM+)
Ferro Mags -0.50+0.25mm Weight in grams (FM-)

Frantz Upper -1.00+0.50mm Weight in grams (UP+)
Frantz Upper -0.50+0.25mm Weight in grams (UP-)
Frantz Lowers -1.00+0.50mm Weight in grams (LW+)
Frantz Lowers -0.50+0.25mm Weight in grams (LW-)
Pyrope Peridotitic Grains +0.5mm in Counts (Pyr-p +)

Pyrope Peridotitic Grains -0.5mm in Counts (Pyr-p -)
Pyrope Eclogitic Grains +0.5mm in Counts (Pyr-e +)
Pyrope Eclogitic Grains -0.5mm in Counts (Pyr-e -)
Chrome-Diopside Grains +0.5mm in Counts (Chr D +)
Chrome-Diopside Grains -0.5mm in Counts (Chr D -)

Olivine Grains +0.5mm in Counts (Olv +)
Olivine Grains -0.5mm in Counts (Olv -)
Picroilmenite Grains +0.5mm in Counts (Picroilm+)
Picroilmenite Grains -0.5mm in Counts (Picroilm-)
Chromite Grains +0.5mm in Counts (Chr +)

Chromite Grains -0.5mm in Counts (Chr -)
Lower Fraction Observed Weight in grams (LW Obs)
Upper Fraction Observed Weight in grams (UP Obs)
Other Indicator Grains in Counts (Others)

**Shear Minerals Ltd.**
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Samples: 93

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Report No: 04-700
Date: October 21, 2004

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT406 | 10.75 | 1190 | 1662 | 67 | 123 | 1130 | 1548 | 67.00 | 21.68 | 65.16 | 4.03 | 1.87 | 17.62 | 0.13 |
| 04SHT409 | 15.75 | 1778 | 2015 | 46 | 89 | 1740 | 1936 | 46.00 | 3.03 | 45.95 | ~ | 0.09 | ~ | ~ |
| 04SHT412 | 19.60 | 1800 | 4097 | 104 | 175 | 1704 | 3928 | 7.05 | 28.78 | 5.28 | 9.77 | 1.75 | 19.01 | 0.23 |
| 04SHT414 | 16.05 | 4982 | 2599 | 175 | 129 | 4825 | 2479 | 12.19 | 10.89 | 9.87 | 5.83 | 2.30 | 5.06 | 0.28 |
| 04SHT415 | 16.40 | 694 | 1439 | 45 | 114 | 657 | 1335 | 45.00 | 16.33 | 43.45 | 3.62 | 1.13 | 12.70 | ~ |
| 04SHT416 | 15.30 | 1522 | 2232 | 67 | 133 | 1464 | 2106 | 67.00 | 30.64 | 65.13 | 6.40 | 2.25 | 24.22 | 0.13 |
| 04SHT417 | 17.75 | 1559 | 2658 | 77 | 158 | 1492 | 2502 | 77.00 | 31.42 | 73.50 | 5.74 | 2.97 | 25.66 | 0.17 |
| 04SHT419 | 17.00 | 2145 | 3202 | 94 | 160 | 2061 | 3050 | 8.49 | 32.62 | 6.29 | 8.88 | 2.19 | 23.74 | 0.15 |
| 04SHT421 | 13.20 | 1230 | 1876 | 58 | 105 | 1180 | 1779 | 58.00 | 22.19 | 54.94 | 4.45 | 2.42 | 17.73 | 0.19 |
| 04SHT423 | 13.45 | 739 | 1075 | 58 | 149 | 690 | 935 | 58.00 | 68.56 | 48.85 | 3.74 | 9.19 | 64.81 | 0.56 |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT425 | 16.20 | 1653 | 2260 | 77 | 70 | 1592 | 2190 | 6.48 | 25.78 | 2.92 | 5.54 | 3.54 | 20.22 | 0.28 |
| 04SHT426 | 19.30 | 1993 | 2702 | 134 | 149 | 1859 | 2562 | 6.47 | 33.17 | 3.36 | 6.55 | 3.09 | 26.62 | 0.22 |
| 04SHT427 | 13.95 | 825 | 1442 | 41 | 85 | 794 | 1366 | 41.00 | 28.91 | 38.90 | 6.70 | 2.41 | 22.15 | 0.16 |
| 04SHT428 | 19.15 | 1882 | 2770 | 103 | 171 | 1788 | 2605 | 9.28 | 59.71 | 4.52 | 7.59 | 4.74 | 52.08 | 0.27 |
| 04SHT429 | 15.80 | 1469 | 2275 | 67 | 135 | 1411 | 2149 | 67.00 | 28.31 | 65.08 | 5.05 | 2.18 | 23.25 | 0.12 |
| 04SHT430 | 19.05 | 1711 | 2493 | 89 | 163 | 1631 | 2338 | 7.03 | 30.49 | 3.65 | 6.12 | 3.38 | 24.09 | 0.20 |
| 04SHT445 | 21.15 | 2338 | 2361 | 168 | 173 | 2178 | 2196 | 12.92 | 32.98 | 10.03 | 13.20 | 2.87 | 19.74 | 0.25 |
| 04SHT447 | 16.65 | 1404 | 2292 | 146 | 223 | 1267 | 2078 | 9.66 | 28.71 | 7.02 | 11.70 | 2.64 | 17.00 | 0.23 |
| 04SHT448 | 16.15 | 1438 | 2357 | 141 | 189 | 1305 | 2177 | 11.63 | 32.60 | 8.95 | 14.21 | 2.67 | 18.38 | 0.23 |
| 04SHT450 | 20.40 | 4781 | 2888 | 517 | 363 | 4280 | 2535 | 59.35 | 134.21 | 33.86 | 17.79 | 25.52 | 116.36 | 1.92 |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT452 | 13.80 | 1181 | 1977 | 95 | 142 | 1095 | 1845 | 7.47 | 25.99 | 5.39 | 8.28 | 1.96 | 17.69 | 0.16 |
| 04SHT453 | 18.75 | 1667 | 2603 | 109 | 194 | 1566 | 2417 | 9.15 | 35.84 | 5.09 | 8.39 | 4.05 | 27.41 | 0.28 |
| 04SHT454 | 17.35 | 1498 | 2498 | 108 | 206 | 1400 | 2300 | 9.42 | 37.98 | 5.24 | 9.12 | 4.18 | 28.84 | 0.34 |
| 04SHT457 | 14.15 | 1139 | 2061 | 110 | 176 | 1038 | 1890 | 8.11 | 25.45 | 6.09 | 11.70 | 2.02 | 13.73 | 0.21 |
| 04SHT460 | 16.15 | 1317 | 2289 | 79 | 127 | 1247 | 2171 | 79.00 | 28.94 | 76.61 | 10.47 | 1.66 | 18.47 | ~ |
| 04SHT463 | 19.00 | 2031 | 2851 | 156 | 251 | 1871 | 2596 | 10.95 | 43.83 | 5.81 | 9.51 | 5.15 | 34.34 | 0.29 |
| 04SHT464 | 19.05 | 1439 | 2397 | 122 | 238 | 1313 | 2155 | 6.48 | 25.63 | 4.32 | 7.80 | 2.22 | 17.57 | 0.16 |
| 04SHT491 | 19.90 | 311 | 614 | 49 | 78 | 259 | 533 | 49.00 | 78.86 | 49.07 | 76.22 | 0.39 | 2.48 | ~ |
| 04SHT493 | 21.10 | 1780 | 3391 | 108 | 214 | 1669 | 3176 | 9.28 | 24.25 | 7.22 | 9.87 | 2.07 | 14.38 | 0.20 |
| 04SHT501 | 16.95 | 1314 | 2353 | 86 | 159 | 1226 | 2190 | 8.52 | 17.10 | 6.93 | 6.33 | 1.59 | 10.76 | 0.13 |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT540 | 19.85 | 1378 | 3001 | 133 | 249 | 1243 | 2748 | 10.26 | 22.28 | 9.37 | 17.32 | 0.89 | 4.91 | ~ |
| ~~04SHT646~~ | ~~19.70~~ | ~~534~~ | ~~799~~ | ~~454~~ | ~~[illegible]~~ | ~~375~~ | ~~501~~ | ~~18.40~~ | ~~34.55~~ | ~~8.78~~ | ~~20.02~~ | ~~8.78~~ | ~~1.58~~ | ~~[illegible]~~ |
| ~~04SHT647~~ | ~~14.30~~ | ~~301~~ | ~~409~~ | ~~33~~ | ~~91~~ | ~~244~~ | ~~314~~ | ~~33.00~~ | ~~12.37~~ | ~~32.04~~ | ~~11.10~~ | ~~0.10~~ | ~~1.37~~ | ~~[illegible]~~ |
| ~~04SHT648~~ | ~~16.00~~ | ~~718~~ | ~~844~~ | ~~241~~ | ~~254~~ | ~~478~~ | ~~557~~ | ~~15.11~~ | ~~18.37~~ | ~~18.31~~ | ~~62.18~~ | ~~1.58~~ | ~~10.00~~ | ~~0.18~~ |
| ~~04SHT649~~ | ~~14.30~~ | ~~343~~ | ~~692~~ | ~~130~~ | ~~302~~ | ~~184~~ | ~~388~~ | ~~5.00~~ | ~~20.31~~ | ~~5.12~~ | ~~21.02~~ | ~~0.59~~ | ~~4.10~~ | ~~[illegible]~~ |
| ~~04SHT650~~ | ~~16.30~~ | ~~187~~ | ~~612~~ | ~~61~~ | ~~183~~ | ~~126~~ | ~~423~~ | ~~61.00~~ | ~~19.34~~ | ~~60.81~~ | ~~17.32~~ | ~~0.12~~ | ~~1.62~~ | ~~[illegible]~~ |
| ~~04SHT651~~ | ~~16.00~~ | ~~2767~~ | ~~828~~ | ~~1188~~ | ~~288~~ | ~~1848~~ | ~~588~~ | ~~12.00~~ | ~~31.28~~ | ~~11.18~~ | ~~37.11~~ | ~~1.58~~ | ~~4.18~~ | ~~0.88~~ |

**Shear Minerals Ltd.**
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Samples: 93

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Report No: 04-700
Date: October 21, 2004

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT653 | 18.40 | 448 | 788 | 288 | 276 | 288 | 177 | 18.88 | 38.13 | 11.11 | 18.88 | 2.11 | 8.81 | 0.84 |
| 04SHT654 | 18.40 | 897 | 868 | 87 | 285 | 258 | 788 | 87.88 | 28.88 | 88.88 | 18.28 | 0.11 | 2.10 | [illegible] |
| 04SHT655 | 11.18 | 188 | 881 | 175 | 315 | 318 | 815 | 15.18 | 34.84 | 13.90 | 47.00 | 1.31 | 6.88 | 0.30 |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT657 | 15.40 | 318 | 878 | 75 | 188 | 235 | 851 | 5.48 | 28.88 | 1.88 | 18.72 | 0.77 | 8.88 | [illegible] |
| 04SHT658 | 8.85 | 857 | 844 | 228 | 248 | 728 | 881 | 11.88 | 88.88 | 7.78 | 18.44 | 8.47 | 18.88 | 0.88 |
| 04SHT661 | 11.25 | 187 | 728 | 181 | 287 | 252 | 182 | 12.88 | 18.81 | 11.47 | 82.87 | 1.11 | 7.88 | 0.78 |
| 04SHT662 | 11.55 | 588 | 1087 | 188 | 888 | 888 | 881 | 8.88 | 85.88 | 5.88 | 28.78 | 1.85 | 1.71 | 0.51 |
| 04SHT663 | 12.15 | 828 | 818 | 188 | 288 | 188 | 578 | 5.17 | 88.87 | 1.88 | 17.88 | .88 | 5.58 | [illegible] |
| 04SHT665 | 12.85 | 858 | 1115 | 288 | 188 | 117 | 828 | 15.78 | 18.21 | 18.82 | 28.82 | 2.88 | 17.28 | 1.88 |
| 04SHT666 | 14.15 | 28 | 182 | 18 | 31 | 18 | 181 | 15.88 | 31.84 | 12.31 | 31.88 | 8.88 | 8.88 | [illegible] |
| 04SHT668 | 14.95 | 778 | 1195 | 385 | 435 | 407 | 758 | 21.49 | 38.74 | 18.24 | 39.27 | 3.22 | 19.28 | 1.39 |
| 04SHT670 | 18.78 | 512 | 828 | 258 | 347 | 282 | 578 | 15.48 | 48.28 | 11.91 | 31.88 | 1.31 | 8.88 | 0.78 |
| 04SHT671 | 15.15 | 387 | 878 | 131 | 184 | 238 | 434 | 3.38 | 32.87 | 8.88 | 21.88 | 1.18 | 18.88 | 0.58 |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT672 | 18.40 | 1581 | 1881 | 185 | 188 | 1118 | 1188 | 28.68 | 66.71 | 21.88 | 56.63 | 1.58 | 9.88 | 0.58 |
| 04SHT673 | 11.85 | 181 | 818 | 218 | 888 | 218 | 558 | 25.88 | 82.88 | 21.88 | 47.81 | 8.28 | 15.88 | 2.88 |
| 04SHT674 | 11.85 | 2768 | 8578 | 172 | 818 | 2818 | 2881 | 87.88 | 118.85 | 84.58 | 188.74 | 2.81 | 18.18 | 8.17 |
| 04SHT675 | 14.65 | 1066 | 2778 | 406 | 779 | 660 | 1971 | 18.96 | 104.33 | 18.65 | 86.78 | 2.88 | 18.81 | 8.58 |
| 04SHT676 | 12.38 | 1187 | 1888 | 174 | 562 | 718 | 1885 | 28.21 | 88.85 | 21.17 | 51.28 | 5.88 | 15.28 | 0.72 |
| 04SHT677 | 18.45 | 88 | 288 | 85 | 185 | 88 | 38 | 85.88 | 2.18 | 85.88 | | 8.87 | | |
| 04SHT678 | 18.75 | 888 | 1181 | 127 | 218 | 588 | 878 | 8.88 | 21.88 | 8.27 | 21.88 | 8.71 | 8.12 | |
| 04SHT699 | 18.85 | 1081 | 1811 | 288 | 288 | 828 | 1888 | 28.28 | 87.18 | 25.18 | 82.87 | 2.78 | 11.11 | 1.88 |
| 04SHT700 | 18.85 | 888 | 1588 | 282 | 258 | 878 | 1257 | 88.18 | 78.85 | 87.85 | 68.74 | 8.18 | 18.88 | 8.88 |
| 04SHT701 | 17.45 | 1212 | 1908 | 245 | 279 | 1389 | 1881 | 33.38 | 33.78 | 32.24 | 78.58 | 8.12 | 28.78 | 8.88 |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT702 | 18.38 | 1235 | 2309 | 238 | 348 | 379 | 1938 | 32.18 | 118.85 | 28.88 | 182.87 | 2.78 | 17.87 | 1.11 |
| 04SHT703 | 12.88 | 738 | 1128 | 175 | 245 | 555 | 875 | 22.78 | 88.78 | 88.11 | 84.78 | 8.87 | 18.88 | 1.17 |
| 04SHT704 | 14.55 | 887 | 1517 | 128 | 218 | 881 | 1278 | 21.75 | 88.74 | 13.34 | 78.24 | 1.83 | 10.42 | 0.42 |
| 04SHT705 | 14.85 | 1838 | 1131 | 228 | 288 | 878 | 1118 | 82.88 | 84.58 | 28.58 | 78.88 | 8.88 | 18.81 | 1.18 |
| 04SHT706 | 12.38 | 812 | 1888 | 188 | 278 | 818 | 1881 | 38.37 | 78.88 | 28.38 | 88.87 | 2.88 | 8.88 | 8.88 |
| 04SHT707 | 18.58 | 818 | 1878 | 188 | 278 | 858 | 1878 | 84.85 | 87.45 | 21.76 | 75.01 | 2.47 | 13.07 | 0.88 |
| 04SHT708 | 18.38 | 339 | 1878 | 285 | 387 | 781 | 1818 | 25.25 | 88.27 | 88.87 | 75.78 | 8.12 | 12.48 | 0.81 |
| 04SHT709 | 16.68 | 1044 | 2244 | 188 | 258 | 845 | 1861 | 85.38 | 87.33 | 88.77 | 84.87 | 8.55 | 18.88 | 0.57 |
| 04SHT711 | 11.78 | 881 | 1281 | 188 | 212 | 811 | 1878 | 18.31 | 84.24 | 18.21 | 47.32 | 1.88 | 8.84 | 0.58 |
| 04SHT712 | 18.85 | 1171 | 2111 | 258 | 874 | 821 | 2881 | 24.85 | 88.58 | 22.84 | 72.88 | 2.82 | 17.58 | 0.79 |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT713 | 14.80 | 464 | 1057 | 71 | 148 | 395 | 909 | 11.00 | 41.07 | 10.13 | 38.43 | 0.88 | 5.11 | [illegible] |
| 04SHT753 | 12.88 | 788 | 1285 | 183 | 243 | 373 | 938 | 88.78 | 118.78 | 32.73 | 104.88 | 3.88 | 11.22 | 1.88 |
| 04SHT754 | 17.55 | 173 | 802 | 28 | 99 | 145 | 703 | 28.00 | 99.00 | 28.14 | 98.51 | 0.20 | 1.87 | [illegible] |

**Shear Minerals Ltd.**
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PO #/Project: SM04.30/99653F
Samples: 93

**SRC Geoanalytical Laboratories**
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Report No: 04-700
Date: October 21, 2004

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [redacted] | | | | | | | | | | | | | | |
| 04SHT760 | 13.45 | 1094 | 1293 | 788 | 774 | 200 | 405 | 100.00 | 100.75 | 100.34 | 179.34 | 2.33 | 3.75 | 2.26 |
| [redacted] | | | | | | | | | | | | | | |
| 04SHT785 | 12.70 | 765 | 1248 | 184 | 258 | 591 | 880 | 22.84 | 84.84 | 21.27 | 62.25 | 1.48 | 9.09 | 0.67 |
| [redacted] | | | | | | | | | | | | | | |
| 04SHT789 | 11.25 | 730 | 1531 | 172 | 309 | 558 | 1194 | 17.99 | 74.90 | 16.75 | 66.35 | 1.19 | 8.52 | 0.06 |

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Report No: 04-700
Date: October 21, 2004

**Kimberlite Indicator Minerals**

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | Picroilm+ Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |

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## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | Picroilm+ Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT406 | 0.62 | ~ | 16.45 | 1.74 | 0.52 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT409 | 0.04 | ~ | 1.00 | 0.09 | 1.97 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT412 | 0.92 | ~ | 16.20 | 1.52 | 1.86 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT414 | 0.42 | ~ | 3.97 | 2.02 | 0.65 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT415 | 0.63 | ~ | 11.05 | 1.13 | 1.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT416 | 0.65 | ~ | 22.96 | 2.12 | 0.59 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT417 | 0.86 | ~ | 22.14 | 2.80 | 2.59 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT419 | 0.66 | ~ | 22.22 | 2.05 | 0.86 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT421 | 0.57 | ~ | 15.34 | 2.22 | 1.77 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT423 | 1.75 | 8.47 | 56.96 | 0.16 | 6.02 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT425 | 0.66 | ~ | 19.01 | 3.26 | 0.52 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT426 | 0.77 | ~ | 25.02 | 2.87 | 0.79 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT427 | 0.73 | ~ | 20.96 | 2.25 | 0.45 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT428 | 1.34 | 4.01 | 49.53 | 0.43 | 1.19 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT429 | 0.74 | ~ | 19.81 | 2.06 | 2.63 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT430 | 0.73 | ~ | 22.67 | 3.17 | 0.66 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT445 | 1.11 | ~ | 17.87 | 2.62 | 0.72 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT447 | 0.77 | ~ | 14.14 | 2.41 | 2.05 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT448 | 0.89 | ~ | 16.88 | 2.44 | 0.58 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT450 | 5.26 | 22.50 | 90.76 | 1.09 | 20.97 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT452 | 0.66 | ~ | 16.48 | 1.91 | 0.46 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT453 | 1.04 | ~ | 25.65 | 3.79 | 0.68 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT454 | 1.18 | ~ | 26.78 | 3.85 | 0.82 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT457 | 0.93 | ~ | 11.54 | 1.82 | 1.22 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT460 | 0.61 | ~ | 15.74 | 1.67 | 2.07 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT463 | 0.95 | 4.56 | 30.90 | 0.28 | 2.37 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT464 | 0.68 | ~ | 16.27 | 2.07 | 0.58 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT491 | 0.31 | ~ | ~ | 0.39 | 2.14 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT493 | 0.82 | ~ | 12.62 | 1.87 | 0.86 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT501 | 0.58 | ~ | 8.78 | 1.46 | 1.33 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT540 | 0.15 | ~ | 4.30 | 0.89 | 0.42 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |

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Samples: 93

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Report No: 04-700
Date: October 21, 2004

## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | Picroilm+ Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | 5.24 | ~ | 6.38 | 1.38 | 0.93 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |

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Report No: 04-700
Date: October 21, 2004

## Kimberlite Indicator Minerals

| Sample Number | Picroilm-Counts | Chr + Counts | Chr - Counts | LW Obs g | UP Obs g | Others Counts |
|---|---|---|---|---|---|---|
| 04SHT406 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT409 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT412 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT414 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT415 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT416 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT417 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT419 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT421 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT423 | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT425 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT426 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT427 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT428 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT429 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT430 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT445 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT447 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT448 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT450 | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT452 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT453 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT454 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT457 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT460 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT463 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT464 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT491 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT493 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT501 | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT540 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT646 | N/R | N/R | N/R | N/R | N/R | N/R |
| ~~04SHT647~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SHT648~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SHT649~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SHT650~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SHT651~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |

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Date: October 21, 2004

## Kimberlite Indicator Minerals

| Sample Number | Picroilm-Counts | Chr + Counts | Chr - Counts | LW Obs g | UP Obs g | Others Counts |
|---|---|---|---|---|---|---|
| [redacted] | | | | | | |
| 04SHT671 | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | | | | | | |
| 04SHT675 | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | | | | | | |
| 04SHT677 | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | | | | | | |
| 04SHT701 | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | | | | | | |
| 04SHT706 | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | | | | | | |
| 04SHT711 | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | | | | | | |
| 04SHT743 | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | | | | | | |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.30/99653F
Samples: 93

**SRC Geoanalytical Laboratories**
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Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 04-700
Date: October 21, 2004

## Kimberlite Indicator Minerals

| Sample Number | Picroilm-Counts | Chr + Counts | Chr - Counts | LW Obs g | UP Obs g | Others Counts |
|---|---|---|---|---|---|---|
| [redacted] | | | | | | |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.34/99653F
Samples: 95

**SRC Geoanalytical Laboratories**
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Report No: 04-766
Date: December 20, 2004

## Kimberlite Indicator Minerals

Column Header Details

Original Sample Weight in kilograms (SWT)
Mid Fraction -1.00+0.50MM Dry Weight in grams (MWT+)
Mid Fraction -0.50+0.25MM Dry Weight in grams (MWT-)
Permroll Mag -1.00+0.50MM Weight in grams (MAG+)
Permroll Mag -0.50+0.25MM Weight in grams (MAG-)

Permroll Non Mag -1.00+0.50MM Weight in grams (NMAG+)
Permroll Non Mag -0.50+0.25MM Weight in grams (NMAG-)
TBE Sinks SG>2.96 -1.00+0.50MM Weight in grams (TBES+)
TBE Sinks SG>2.96 -0.50+0.25MM Weight in grams (TBES-)
MI Floats SG<3.3 -1.00+0.50MM Weight in grams (MIF+)

MI Floats SG<3.3 -0.50+0.25MM Weight in grams (MIF-)
MI Sinks SG>3.3 -1.00+0.50MM Weight in grams (MIS+)
MI Sinks SG>3.3 -0.50+0.25MM Weight in grams (MIS-)
Ferro Mags -1.00+0.50mm Weight in grams (FM+)
Ferro Mags -0.50+0.25mm Weight in grams (FM-)

Frantz Upper -1.00+0.50mm Weight in grams (UP+)
Frantz Upper -0.50+0.25mm Weight in grams (UP-)
Frantz Lowers -1.00+0.50mm Weight in grams (LW+)
Frantz Lowers -0.50+0.25mm Weight in grams (LW-)
Pyrope Peridotitic Grains +0.5mm in Counts (Pyr-p +)

Pyrope Peridotitic Grains -0.5mm in Counts (Pyr-p -)
Pyrope Eclogitic Grains +0.5mm in Counts (Pyr-e +)
Pyrope Eclogitic Grains -0.5mm in Counts (Pyr-e -)
Chrome-Diopside Grains +0.5mm in Counts (Chr D +)
Chrome-Diopside Grains -0.5mm in Counts (Chr D -)

Olivine Grains +0.5mm in Counts (Olv +)
Olivine Grains -0.5mm in Counts (Olv -)
Picroilmenite Grains +0.5mm in Counts (Picroilm+)
Picroilmenite Grains -0.5mm in Counts (Picroilm-)
Chromite Grains +0.5mm in Counts (Chr +)

Chromite Grains -0.5mm in Counts (Chr -)
Lower Fraction Observed Weight in grams (LW Obs)
Upper Fraction Observed Weight in grams (UP Obs)
Other Indicator Grains in Counts (Others)

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.34/99653F
Samples: 95

Report No: 04-766
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST417 | 15.55 | 1218 | 2363 | 130 | 216 | 1087 | 2144 | 10.38 | 32.34 | 8.20 | 16.04 | 2.17 | 16.26 | 0.37 |
| 04JST420 | 17.65 | 1316 | 2644 | 140 | 258 | 1174 | 2378 | 10.92 | 36.33 | 8.82 | 18.59 | 2.10 | 17.69 | 0.33 |
| 04JST421 | 14.00 | 1175 | 2234 | 125 | 191 | 1048 | 2040 | 10.14 | 35.67 | 7.87 | 17.86 | 2.26 | 17.75 | 0.35 |
| 04JST422 | 15.70 | 1186 | 2242 | 109 | 166 | 1076 | 2074 | 8.09 | 30.22 | 6.40 | 13.84 | 1.68 | 16.36 | 0.20 |
| 04JST423 | 12.75 | 1156 | 2136 | 97 | 179 | 1056 | 1953 | 7.53 | 33.73 | 5.69 | 11.43 | 1.83 | 22.30 | 0.20 |
| 04JST424 | 16.35 | 1032 | 2047 | 75 | 153 | 953 | 1891 | 5.92 | 27.09 | 4.34 | 10.08 | 1.58 | 17.02 | 0.17 |
| 04JST429 | 13.80 | 1131 | 2294 | 81 | 167 | 1043 | 2124 | 6.05 | 25.51 | 4.53 | 10.75 | 1.50 | 14.75 | 0.17 |
| 04JST430 | 14.20 | 304 | 5676 | 20 | 319 | 281 | 5357 | 20.17 | 34.87 | 19.64 | 22.06 | 0.38 | 12.68 | 0 |
| 04JST431 | 13.60 | 577 | 2939 | 31 | 207 | 543 | 2729 | 31.00 | 20.70 | 30.92 | 16.27 | 0.15 | 4.40 | 0 |
| 04JST432 | 14.30 | 999 | 2111 | 128 | 225 | 867 | 1884 | 14.75 | 36.84 | 12.97 | 24.86 | 1.78 | 11.95 | 0.40 |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST434 | 15.20 | 91 | 207 | 23 | 52 | 68 | 151 | 23.00 | 51.72 | 22.94 | 50.14 | 0.06 | 0.84 | 0 |
| 04JST435 | 13.90 | 1085 | 2426 | 118 | 212 | 960 | 2212 | 11.55 | 35.75 | 9.27 | 20.42 | 2.27 | 15.29 | 0.65 |
| 04JST453 | 14.15 | 1250 | 2383 | 52 | 101 | 1195 | 2278 | 51.49 | 100.45 | 50.33 | 92.01 | 1.36 | 8.45 | 0.14 |
| 04JST455 | 13.65 | 1769 | 2738 | 65 | 127 | 1701 | 2608 | 64.62 | 16.56 | 63.63 | 5.35 | 1.51 | 11.17 | 0.06 |
| 04JST484 | 14.45 | 1103 | 2046 | 161 | 260 | 925 | 1782 | 9.63 | 24.56 | 7.44 | 13.60 | 2.19 | 10.93 | 0.30 |
| 04JST485 | 18.55 | 1593 | 2753 | 259 | 400 | 1331 | 2347 | 19.70 | 36.24 | 16.45 | 22.49 | 3.23 | 13.69 | 0.64 |
| 04JST486 | 16.25 | 1110 | 2331 | 226 | 402 | 876 | 1926 | 16.05 | 35.73 | 13.15 | 21.90 | 2.88 | 13.86 | 0.53 |
| 04JST487 | 19.75 | 1531 | 3106 | 268 | 463 | 1263 | 2643 | 18.62 | 39.65 | 15.26 | 22.74 | 3.34 | 16.91 | 0.65 |
| 04JST488 | 21.20 | 1586 | 3344 | 241 | 415 | 1342 | 2913 | 15.83 | 40.77 | 12.66 | 22.73 | 3.15 | 18.01 | 0.70 |
| 04JST489 | 16.50 | 1124 | 2070 | 237 | 334 | 883 | 1732 | 13.72 | 37.04 | 11.35 | 25.89 | 2.34 | 11.06 | 0.41 |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST490 | 16.15 | 1247 | 2444 | 212 | 330 | 1031 | 2106 | 13.71 | 40.21 | 10.72 | 25.25 | 2.96 | 14.81 | 0.50 |
| 04JST491 | 19.00 | 1832 | 2127 | 338 | 407 | 1488 | 1717 | 17.67 | 38.74 | 13.92 | 23.71 | 3.73 | 14.93 | 0.73 |
| 04JST492 | 16.60 | 1071 | 1731 | 188 | 252 | 879 | 1477 | 11.58 | 28.11 | 9.29 | 16.28 | 2.28 | 11.72 | 0.35 |
| 04JST493 | 16.10 | 1844 | 2971 | 178 | 254 | 1664 | 2713 | 9.28 | 28.67 | 6.48 | 12.22 | 2.79 | 16.36 | 0.34 |
| 04JST494 | 18.30 | 1654 | 3752 | 176 | 285 | 1474 | 3457 | 11.27 | 39.10 | 8.30 | 21.39 | 2.94 | 17.64 | 0.44 |
| 04JST495 | 18.85 | 2033 | 3511 | 116 | 186 | 1913 | 3321 | 7.68 | 22.94 | 4.58 | 8.38 | 3.09 | 14.46 | 0.41 |
| 04JST496 | 15.30 | 1030 | 1691 | 323 | 393 | 704 | 1293 | 15.71 | 37.49 | 13.69 | 26.70 | 1.96 | 10.70 | 0.58 |
| 04JST497 | 17.05 | 1006 | 2107 | 284 | 457 | 718 | 1646 | 17.07 | 40.50 | 14.92 | 27.61 | 2.11 | 12.75 | 0.52 |
| 04JST498 | 17.60 | 1117 | 2116 | 317 | 429 | 796 | 1681 | 20.84 | 42.34 | 18.44 | 30.57 | 2.38 | 11.63 | 1.13 |
| 04JST499 | 18.25 | 1271 | 2538 | 318 | 458 | 950 | 2076 | 18.60 | 43.70 | 15.38 | 27.87 | 3.21 | 15.70 | 1.56 |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST500 | 18.90 | 970 | 1879 | 243 | 315 | 722 | 1560 | 16.16 | 25.08 | 14.34 | 17.36 | 1.80 | 7.68 | 1.16 |
| 04JST501 | 17.65 | 860 | 1769 | 237 | 359 | 616 | 1405 | 16.30 | 34.39 | 14.50 | 23.94 | 1.78 | 10.36 | 0.37 |
| 04JST502 | 18.20 | 1174 | 2262 | 270 | 389 | 900 | 1868 | 16.87 | 35.07 | 14.37 | 22.96 | 2.48 | 12.02 | 1.41 |
| 04JST503 | 16.20 | 1079 | 2123 | 182 | 304 | 894 | 1816 | 11.35 | 28.43 | 9.14 | 16.10 | 2.14 | 12.22 | 1.32 |
| 04JST504 | 19.35 | 2273 | 3497 | 360 | 525 | 1910 | 2963 | 18.90 | 37.45 | 15.71 | 21.62 | 3.18 | 15.71 | 1.45 |
| 04JST505 | 17.40 | 1280 | 2560 | 215 | 365 | 1062 | 2192 | 13.83 | 33.53 | 10.93 | 18.31 | 2.88 | 15.10 | 1.44 |
| 04JST506 | 17.80 | 1204 | 2499 | 234 | 323 | 966 | 2163 | 12.55 | 31.51 | 10.32 | 16.30 | 2.21 | 15.17 | 1.23 |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.34/99653F
Samples: 95

Report No: 04-766
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST507 | 16.85 | 1209 | 2502 | 232 | 360 | 972 | 2139 | 13.96 | 35.10 | 11.40 | 20.92 | 2.53 | 14.01 | 1.31 |
| 04JST508 | 14.80 | 960 | 2102 | 194 | 310 | 762 | 1789 | 12.14 | 29.58 | 10.02 | 17.15 | 2.09 | 12.36 | 1.36 |
| 04JST509 | 15.60 | 934 | 1818 | 223 | 335 | 707 | 1479 | 21.39 | 41.56 | 19.04 | 31.80 | 2.31 | 9.64 | 1.61 |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST510 | 15.10 | 970 | 1846 | 264 | 378 | 703 | 1461 | 20.50 | 41.22 | 18.38 | 28.84 | 2.09 | 12.28 | 1.38 |
| 04JST511 | 15.55 | 907 | 1969 | 182 | 313 | 721 | 1653 | 14.86 | 36.63 | 12.87 | 25.94 | 1.97 | 10.56 | 1.04 |
| 04JST512 | 15.25 | 861 | 1880 | 204 | 339 | 654 | 1536 | 18.08 | 39.76 | 16.55 | 30.16 | 1.48 | 9.47 | 1.15 |
| 04JST513 | 18.85 | 1176 | 2344 | 275 | 427 | 898 | 1911 | 21.42 | 43.02 | 19.12 | 31.18 | 2.26 | 11.68 | 1.27 |
| 04JST514 | 16.15 | 984 | 2004 | 213 | 313 | 766 | 1688 | 19.24 | 33.97 | 17.61 | 25.15 | 1.59 | 8.73 | 1.17 |
| 04JST515 | 16.90 | 1009 | 2082 | 270 | 434 | 736 | 1667 | 15.93 | 37.65 | 14.30 | 27.94 | 1.59 | 9.64 | 1.12 |
| 04JST516 | 18.30 | 1147 | 2362 | 326 | 494 | 826 | 1865 | 20.60 | 44.16 | 18.52 | 32.48 | 2.04 | 11.59 | 1.26 |
| 04JST517 | 17.50 | 1008 | 2336 | 244 | 447 | 761 | 1862 | 12.51 | 34.13 | 11.30 | 26.27 | 1.19 | 7.77 | 1.03 |
| 04JST518 | 16.35 | 922 | 2039 | 218 | 426 | 700 | 1584 | 13.75 | 33.25 | 12.29 | 26.45 | 1.43 | 6.73 | 0.95 |
| 04JST519 | 19.35 | 1302 | 2587 | 339 | 530 | 959 | 2023 | 27.01 | 52.30 | 24.39 | 40.81 | 2.57 | 11.40 | 1.12 |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST520 | 18.05 | 1054 | 2124 | 299 | 473 | 751 | 1633 | 23.86 | 50.47 | 21.34 | 39.17 | 2.48 | 11.22 | 1.48 |
| 04JST521 | 14.35 | 850 | 1620 | 254 | 388 | 593 | 1214 | 19.54 | 36.50 | 17.24 | 27.36 | 2.25 | 9.06 | 1.78 |
| 04JST522 | 16.90 | 977 | 2037 | 302 | 491 | 671 | 1527 | 20.66 | 44.05 | 18.54 | 32.03 | 2.08 | 11.92 | 1.47 |
| 04JST523 | 17.65 | 1037 | 2082 | 315 | 500 | 718 | 1547 | 22.12 | 44.89 | 19.83 | 33.88 | 2.27 | 10.91 | 1.57 |
| 04JST524 | 15.20 | 1075 | 1880 | 292 | 429 | 780 | 1451 | 26.43 | 47.32 | 23.20 | 35.43 | 3.21 | 11.81 | 1.96 |
| 04JST525 | 16.80 | 1158 | 2027 | 290 | 447 | 865 | 1575 | 20.84 | 44.18 | 18.66 | 35.11 | 2.16 | 9.00 | 1.64 |
| 04JST526 | 18.50 | 1291 | 2370 | 293 | 426 | 995 | 1957 | 18.85 | 40.60 | 16.69 | 28.91 | 2.13 | 11.64 | 1.35 |
| 04JST527 | 16.05 | 1039 | 1985 | 267 | 452 | 768 | 1522 | 16.13 | 32.53 | 14.06 | 23.05 | 2.01 | 9.46 | 1.30 |
| 04JST528 | 13.30 | 723 | 1403 | 221 | 324 | 499 | 1053 | 16.48 | 36.46 | 15.12 | 29.71 | 1.33 | 6.72 | 1.31 |
| 04JST529 | 16.00 | 837 | 1637 | 296 | 428 | 538 | 1208 | 19.69 | 35.47 | 17.71 | 25.84 | 1.94 | 9.55 | 1.44 |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST530 | 15.40 | 933 | 1855 | 253 | 404 | 676 | 1448 | 16.58 | 36.77 | 14.86 | 26.83 | 1.71 | 9.87 | 1.23 |
| 04JST531 | 15.25 | 1242 | 2619 | 310 | 549 | 929 | 2067 | 15.44 | 48.77 | 13.31 | 32.16 | 2.10 | 16.55 | 1.31 |
| 04JST532 | 16.85 | 1207 | 2643 | 306 | 537 | 896 | 2103 | 16.65 | 42.80 | 13.97 | 26.50 | 2.64 | 16.25 | 1.53 |
| 04JST533 | 21.25 | 1233 | 2448 | 267 | 364 | 963 | 2080 | 14.98 | 33.81 | 12.78 | 21.24 | 2.17 | 12.54 | 1.31 |
| 04JST534 | 22.60 | 1250 | 2718 | 262 | 475 | 986 | 2240 | 15.97 | 42.35 | 13.58 | 26.08 | 2.35 | 16.00 | 1.38 |
| 04JST535 | 18.95 | 1127 | 2258 | 188 | 384 | 937 | 1874 | 20.17 | 49.64 | 16.40 | 37.80 | 3.69 | 11.62 | 2.34 |
| 04JST538 | 20.65 | 1555 | 3080 | 275 | 543 | 1278 | 2534 | 18.82 | 42.08 | 15.58 | 21.30 | 3.22 | 20.50 | 0.56 |
| 04JST539 | 19.20 | 1340 | 2679 | 251 | 480 | 1086 | 2196 | 16.09 | 37.80 | 13.75 | 24.15 | 2.32 | 13.52 | 0.55 |
| 04JST540 | 15.90 | 1199 | 2453 | 252 | 422 | 945 | 2028 | 14.43 | 34.89 | 11.94 | 21.22 | 2.49 | 13.52 | 0.56 |
| 04JST541 | 18.75 | 1167 | 2425 | 256 | 470 | 908 | 1948 | 15.84 | 34.61 | 12.90 | 21.61 | 2.90 | 12.82 | 0.41 |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST542 | 22.55 | 1448 | 2740 | 329 | 531 | 1116 | 2206 | 21.08 | 44.99 | 18.08 | 29.03 | 2.98 | 15.91 | 0.73 |
| 04JST543 | 19.55 | 1303 | 2425 | 299 | 410 | 1002 | 2011 | 17.74 | 37.50 | 15.38 | 25.43 | 2.36 | 11.94 | 0.55 |
| 04JST544 | 15.35 | 1133 | 2231 | 222 | 324 | 908 | 1901 | 14.03 | 35.21 | 11.81 | 22.10 | 2.19 | 13.09 | 0.44 |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.34/99653F
Samples: 95

Report No: 04-766
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST545 | 18.00 | 1252 | 2402 | 222 | 339 | 1027 | 2058 | 15.36 | 28.66 | 12.95 | 15.99 | 2.40 | 12.60 | 0.41 |
| 04JST546 | 19.30 | 1675 | 3015 | 173 | 252 | 1501 | 2756 | 13.65 | 29.68 | 11.04 | 15.25 | 2.62 | 14.40 | 0.32 |
| 04JST547 | 16.75 | 1515 | 2431 | 115 | 216 | 1396 | 2211 | 8.45 | 29.98 | 5.20 | 7.82 | 3.26 | 22.14 | 0.21 |
| 04JST548 | 17.40 | 2092 | 3089 | 137 | 219 | 1951 | 2862 | 10.06 | 34.90 | 7.20 | 10.92 | 2.84 | 23.97 | 0.22 |
| 04JST549 | 16.20 | 1666 | 2568 | 117 | 224 | 1545 | 2340 | 13.17 | 43.71 | 9.50 | 15.38 | 3.61 | 28.28 | 0.30 |
| 04JST550 | 19.75 | 2003 | 2852 | 131 | 219 | 1868 | 2627 | 11.57 | 34.80 | 7.79 | 12.26 | 3.71 | 22.51 | 0.19 |
| 04JST551 | 15.05 | 1741 | 2433 | 140 | 227 | 1597 | 2203 | 49.09 | 85.77 | 44.21 | 63.07 | 4.82 | 22.61 | 0.16 |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST552 | 16.55 | 627 | 1946 | 57 | 157 | 566 | 1785 | 4.00 | 15.25 | 3.54 | 9.89 | 0.44 | 5.34 | 0 |
| 04JST553 | 19.80 | 2038 | 3578 | 127 | 207 | 1907 | 3359 | 10.30 | 35.97 | 7.69 | 13.47 | 2.58 | 22.47 | 0.14 |
| 04JST554 | 18.95 | 1661 | 2486 | 128 | 187 | 1530 | 2292 | 10.83 | 33.52 | 7.80 | 11.69 | 3.01 | 21.79 | 0.16 |
| 04JST555 | 15.85 | 996 | 1900 | 86 | 162 | 907 | 1733 | 4.88 | 17.37 | 3.51 | 5.80 | 1.35 | 11.52 | 0.09 |
| 04JST556 | 19.45 | 1843 | 3244 | 108 | 194 | 1731 | 3041 | 11.05 | 40.46 | 8.09 | 12.02 | 2.92 | 28.49 | 0.23 |
| 04JST557 | 16.40 | 967 | 1691 | 60 | 111 | 902 | 1576 | 5.40 | 18.08 | 3.63 | 5.79 | 1.76 | 12.27 | 0.12 |
| 04JST558 | 21.70 | 2218 | 3600 | 132 | 197 | 2082 | 3403 | 11.15 | 37.24 | 8.21 | 12.12 | 2.92 | 25.10 | 0.27 |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.34/99653F
Samples: 95

Report No: 04-766
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | Picroilm+ Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST417 | 1.43 | 0 | 12.69 | 1.79 | 2.07 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST420 | 1.49 | 0 | 13.88 | 1.76 | 2.22 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST421 | 1.48 | 0 | 14.96 | 1.90 | 1.28 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST422 | 1.13 | 0 | 14.34 | 1.47 | 0.88 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST423 | 1.20 | 0 | 18.61 | 1.62 | 2.46 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST424 | 0.89 | 0 | 15.37 | 1.41 | 0.68 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST429 | 0.66 | 0 | 12.64 | 1.31 | 1.38 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST430 | 0.40 | 0 | 10.73 | 0.38 | 1.46 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST431 | 0.10 | 0 | 3.95 | 0.15 | 0.33 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST432 | 1.52 | 0 | 9.02 | 1.37 | 1.38 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST434 | 0 | 0 | 0 | 0.06 | 0.84 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST435 | 1.96 | 0 | 12.54 | 1.61 | 0.75 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST453 | 0.42 | 0 | 6.93 | 1.22 | 1.07 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST455 | 0.38 | 0 | 10.28 | 1.44 | 0.48 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST484 | 0.99 | 0 | 7.81 | 1.88 | 2.06 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST485 | 1.38 | 0 | 9.82 | 2.58 | 2.42 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST486 | 1.52 | 0 | 9.88 | 2.32 | 2.31 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST487 | 1.81 | 0 | 13.59 | 2.68 | 1.43 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST488 | 1.69 | 0 | 13.11 | 2.44 | 3.11 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST489 | 1.10 | 0 | 8.04 | 1.93 | 1.88 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST490 | 1.39 | 0 | 12.32 | 2.45 | 1.08 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST491 | 1.93 | 0 | 10.35 | 2.98 | 2.61 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST492 | 1.17 | 0 | 8.41 | 1.93 | 2.12 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST493 | 1.28 | 0 | 14.09 | 2.44 | 0.97 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST494 | 1.61 | 0 | 13.10 | 2.49 | 2.87 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST495 | 1.09 | 0 | 12.51 | 2.67 | 0.84 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST496 | 2.78 | 0 | 7.23 | 1.39 | 0.68 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST497 | 2.49 | 0 | 8.33 | 1.59 | 1.92 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST498 | 2.71 | 0 | 8.13 | 1.67 | 0.79 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST499 | 2.54 | 0 | 10.66 | 3.38 | 2.49 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST500 | 1.02 | 0 | 6.00 | 2.38 | 0.65 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST501 | 2.20 | 0 | 6.28 | 1.42 | 1.85 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST502 | 1.87 | 0 | 7.23 | 2.80 | 2.90 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST503 | 1.55 | 0 | 8.51 | 2.55 | 2.15 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST504 | 1.72 | 0 | 11.19 | 3.46 | 2.75 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST505 | 1.69 | 0 | 7.99 | 3.20 | 5.40 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST506 | 1.41 | 0 | 8.65 | 2.73 | 5.06 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.34/99653F
Samples: 95

Report No: 04-766
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | Picroilm+ Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST507 | 1.66 | 0 | 10.09 | 2.97 | 2.23 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST508 | 1.64 | 0 | 8.59 | 2.50 | 2.08 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST509 | 2.01 | 0 | 6.86 | 2.44 | 0.76 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST510 | 2.27 | 0 | 7.77 | 2.46 | 2.21 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST511 | 0.86 | 0 | 8.69 | 2.69 | 1.01 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST512 | 1.33 | 0 | 6.43 | 2.10 | 1.67 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST513 | 2.04 | 0 | 8.45 | 2.75 | 1.15 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST514 | 1.05 | 0 | 6.11 | 2.18 | 1.54 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST515 | 1.58 | 0 | 6.37 | 2.23 | 1.68 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST516 | 2.01 | 0 | 6.64 | 2.53 | 2.94 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST517 | 0.93 | 0 | 5.87 | 1.90 | 0.96 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST518 | 0.32 | 0 | 5.44 | 2.23 | 0.97 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST519 | 0.81 | 0 | 9.74 | 3.20 | 0.82 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST520 | 1.84 | 0 | 7.54 | 2.75 | 1.80 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST521 | 2.10 | 0 | 5.64 | 2.22 | 1.31 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST522 | 2.79 | 0 | 7.05 | 2.35 | 2.05 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST523 | 2.43 | 0 | 6.98 | 2.45 | 1.48 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST524 | 2.32 | 0 | 8.73 | 2.99 | 0.74 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST525 | 1.79 | 0 | 5.84 | 2.27 | 1.34 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST526 | 1.78 | 0 | 7.95 | 2.53 | 1.89 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST527 | 1.39 | 0 | 6.16 | 2.46 | 1.87 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST528 | 1.78 | 0 | 3.76 | 1.78 | 1.14 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST529 | 1.99 | 0 | 5.61 | 2.25 | 1.91 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST530 | 1.57 | 0 | 7.48 | 2.22 | 0.79 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST531 | 2.45 | 0 | 10.85 | 2.53 | 3.20 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST532 | 2.51 | 0 | 12.28 | 2 86 | 1.40 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST533 | 1.84 | 0 | 8.15 | 2.59 | 2.50 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST534 | 2.37 | 0 | 11.99 | 2.72 | 1.64 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST535 | 1.57 | 0 | 7.75 | 3.09 | 2.29 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST538 | 1.87 | 0 | 13.05 | 1.76 | 5.57 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST539 | 1.20 | 0 | 10.97 | 1.76 | 1.34 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST540 | 1.81 | 0 | 9.77 | 1.93 | 1.93 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST541 | 1.86 | 0 | 8.47 | 2.49 | 2.48 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST542 | 2.40 | 0 | 11.90 | 2.23 | 1.59 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST543 | 1.75 | 0 | 7.70 | 1.80 | 2.48 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST544 | 1.73 | 0 | 9.82 | 1.73 | 1.54 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.34/99653F
Samples: 95

Report No: 04-766
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | Picroilm+ Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST545 | 1.56 | 0 | 8.95 | 1.98 | 2.15 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST546 | 1.29 | 0 | 10.56 | 2.28 | 2.60 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST547 | 0.90 | 0 | 20.41 | 3.03 | 0.85 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST548 | 1.07 | 0 | 22.11 | 2.60 | 0.83 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST549 | 1.18 | 0 | 23.84 | 3.30 | 3.34 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST550 | 0.89 | 0 | 20.02 | 3.51 | 1.65 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST551 | 0.73 | 4.26 | 21.24 | 0.39 | 0.62 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST552 | 0.26 | 0 | 4.41 | 0.44 | 0.62 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST553 | 0.79 | 0 | 19.78 | 2.41 | 1.86 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST554 | 0.63 | 0 | 19.98 | 2.85 | 1.15 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST555 | 0.51 | 0 | 10.55 | 1.24 | 0.42 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST556 | 1.04 | 0 | 26.52 | 2.66 | 0.78 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST557 | 0.54 | 0 | 10.42 | 1.64 | 1.21 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST558 | 1.12 | 0 | 23.05 | 2.65 | 0.93 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.34/99653F
Samples: 95

Report No: 04-766
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | Picroilm-Counts | Chr + Counts | Chr - Counts | LW Obs g | UP Obs g | Others Counts |
|---|---|---|---|---|---|---|
| 04JST417 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST420 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST421 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST422 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST423 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST424 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST429 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST430 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST431 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST432 | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST434 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST435 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST453 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST455 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST484 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST485 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST486 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST487 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST488 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST489 | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST490 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST491 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST492 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST493 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST494 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST495 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST496 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST497 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST498 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST499 | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST500 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST501 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST502 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST503 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST504 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST505 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST506 | N/R | N/R | N/R | N/R | N/R | N/R |

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Attention: Jennifer Burgess
PO #/Project: SM04.34/99653F
Samples: 95

Report No: 04-766
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | Picroilm-Counts | Chr + Counts | Chr - Counts | LW Obs g | UP Obs g | Others Counts |
|---|---|---|---|---|---|---|
| 04JST507 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST508 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST509 | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST510 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST511 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST512 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST513 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST514 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST515 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST516 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST517 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST518 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST519 | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST520 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST521 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST522 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST523 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST524 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST525 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST526 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST527 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST528 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST529 | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST530 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST531 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST532 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST533 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST534 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST535 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST538 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST539 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST540 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST541 | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST542 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST543 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST544 | N/R | N/R | N/R | N/R | N/R | N/R |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.34/99653F
Samples: 95

Report No: 04-766
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | Picroilm-Counts | Chr + Counts | Chr - Counts | LW Obs g | UP Obs g | Others Counts |
|---|---|---|---|---|---|---|
| 04JST545 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST546 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST547 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST548 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST549 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST550 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST551 | N/R | N/R | N/R | N/R | N/R | N/R |
| R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST552 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST553 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST554 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST555 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST556 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST557 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST558 | N/R | N/R | N/R | N/R | N/R | N/R |

0's (zeroes) in the UP+ or UP- weight columns indicate that the sample was too small to be frantzed. The total weight of that fraction is recorded in the LW+ or LW- columns.

| Sample_Num | Total Weight _g | Pyr-p +_Counts | Pyr-p -_Counts | Pyr-e +_Counts | Pyr-e -_Counts | Olv +_Counts | Olv -_Counts | Cpx+_ Counts | Cpx-_ Counts | Picroilm+_Counts | Picroilm-_Counts | Chr +_Counts | Chr -_Counts | LW_total_OBS_g | LW_total_OBS_wt% | UP_total_OBS_g | UP_total_OBS_wt% | Date | Time | Obsv. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *04JST375 | 13,3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,7 | 100 | 8,05 | 100,0 | 11/05/05 | 4:30 | Paula |
| *04JST379 | 33,1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,53 | 100 | 12,35 | 44,0 | 18/05/05 | 4:00 | Marina |
| 04JST380 | 41,6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,85 | 100 | 7,42 | 21,3 | 18/05/05 | 4:00 | Vinicius |
| 04JST381 | 24,5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,04 | 100 | 9,53 | 50,0 | 18/05/05 | 7:00 | Paula |
| 04JST384 | 28,1 | 2 | 4 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 10,37 | 100 | 7,94 | 50,0 | 18/05/05 | 5:10 | Anísio |
| 04JST386 | 4,6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0,6 | 100 | 3,71 | 100,0 | 18/05/05 | 5:30 | Paula |
| 04JST388 | 16,8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,61 | 100 | 12,22 | 100,0 | 11/05/05 | 3:50 | Rubens |
| 04JST390 | 104,8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13,24 | 100 | 18,21 | 20,8 | 11/05/05 | 6:15 | Rubens |
| 04JST396 | 20,2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,32 | 100 | 7,71 | 50,0 | 19/05/05 | 3:50 | Marina |
| 04JST410 | 31,6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,24 | 100 | 12,96 | 50,0 | 19/05/05 | 3:45 | Vinicius |
| 04SHT380 | 18,9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,1 | 100 | 15,04 | 100,0 | 11/05/05 | 4:30 | Vinicius |
| 04SHT381 | 11,4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,22 | 100 | 7,56 | 100,0 | 11/05/05 | 3:30 | Marina |
| 04SHT382 | 14,0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1,93 | 100 | 11,47 | 100,0 | 11/05/05 | 6:30 | Débora |
| 04SHT383 | 18,3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,62 | 100 | 13,92 | 100,0 | 12/05/05 | 3:40 | Rubens |
| 04SHT384 | 3,9 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0,83 | 100 | 2,77 | 100,0 | 12/05/05 | 1:20 | Vinicius |
| 04SHT385 | 13,5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,5 | 100 | 9,55 | 100,0 | 12/05/05 | 3:50 | Marina |
| 04SHT386 | 24,3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,67 | 100 | 8,84 | 50,0 | 19/05/05 | 4:30 | Débora |
| 04SHT387 | 8,7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,81 | 100 | 6,58 | 100,0 | 13/05/05 | 2:20 | Rubens |
| 04SHT388 | 10,2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2,12 | 100 | 7,5 | 100,0 | 13/05/05 | 2:50 | Vinicius |
| 04SHT389 | 14,3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 2,69 | 100 | 11,11 | 100,0 | 13/05/05 | 3:45 | Rubens |
| 04SHT390 | 18,2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,76 | 100 | 14,84 | 100,0 | 13/05/05 | 5:30 | Marina |
| 04SHT391 | 30,9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,89 | 100 | 6,51 | 25,0 | 19/05/05 | 5:10 | Betânia |
| 04SHT392 | 16,3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3,01 | 100 | 12,61 | 100,0 | 13/05/05 | 6:00 | Débora |
| 04SHT393 | 46,5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,39 | 100 | 10,26 | 25,0 | 19/05/05 | 3:10 | Anísio |
| 04SHT394 | 26,4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,97 | 100 | 10,44 | 50,0 | 20/05/05 | 3:30 | Marina |
| 04SHT395 | 17,0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,16 | 100 | 14,05 | 100,0 | 14/05/05 | 4:00 | Betânia |
| 04SHT396 | 30,7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,35 | 100 | 11,65 | 50,0 | 19/05/05 | 4:00 | Anísio |
| 04SHT397 | 41,6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,96 | 100 | 8,88 | 25,0 | 19/05/05 | 4:45 | Débora |
| 04SHT398 | 42,2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,21 | 100 | 8,19 | 25,0 | 20/05/05 | 2:45 | Rubens |
| 04SHT399 | 20,9 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,6 | 100 | 8,88 | 50,0 | 20/05/05 | 3:13 | Paula |
| 04SHT400 | 26,9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,68 | 100 | 8,63 | 50,0 | 20/05/05 | 3:25 | Rubens |
| 04SHT401 | 22,1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,7 | 100 | 8,21 | 50,0 | 20/05/05 | 4:35 | Paula |
| 04SHT402 | 29,2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6,27 | 100 | 11,06 | 50,0 | 20/05/05 | 3:40 | Lilia |
| 04SHT403 | 45,2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,56 | 100 | 8,32 | 21,8 | 20/05/05 | 4:22 | Betânia |
| 04SHT404 | 23,9 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4,52 | 100 | 9,31 | 50,0 | 20/05/05 | 3:45 | Anísio |
| 04SHT405 | 6,2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,99 | 100 | 3,88 | 100,0 | 14/05/05 | 3:00 | Paula |
| 04SHT432 | 36,4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,5 | 100 | 13,89 | 50,0 | 20/05/05 | 4:00 | Débora |
| 04SHT433 | 28,6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,03 | 100 | 10,3 | 50,0 | 21/05/05 | 3:35 | Vinicius |
| 04SHT434 | 29,0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,61 | 100 | 11,18 | 50,0 | 21/05/05 | 3:10 | Rubens |
| 04SHT436 | 23,1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,18 | 100 | 8,49 | 50,0 | 21/05/05 | 3:30 | Lilia |
| 04SHT437 | 23,4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,64 | 100 | 9,33 | 50,0 | 21/05/05 | 4:00 | Anísio |
| 04SHT438 | 27,8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5,33 | 100 | 10,56 | 50,0 | 21/05/05 | 4:10 | Marina |
| 04SHT439 | 16,8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,23 | 100 | 13,64 | 100,0 | 14/05/05 | 3:40 | Rubens |
| 04SHT440 | 18,7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2,61 | 100 | 15,43 | 100,0 | 14/05/05 | 4:30 | Vinicius |
| 04SHT441 | 19,3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3,65 | 100 | 14,3 | 100,0 | 14/05/05 | 4:10 | Rubens |
| 04SHT442 | 32,6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4,5 | 100 | 13,22 | 50,0 | 21/05/05 | 3:50 | Rubens |
| 04SHT443 | 20,7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,58 | 100 | 8,13 | 50,0 | 19/05/05 | 3:00 | Lilia |
| 04SHT471 | 22,5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,34 | 100 | 8,45 | 50,0 | 21/05/05 | 5:30 | Débora |
| 04SHT472 | 48,6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 5,33 | 100 | 10,33 | 25,0 | 21/05/05 | 2:40 | Paula |
| 04SHT473 | 17,9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,12 | 100 | 11,53 | 100,0 | 16/05/05 | 4:25 | Paula |
| 04SHT474 | 35,3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,62 | 100 | 14,43 | 50,0 | 21/05/05 | 4:12 | Betânia |
| 04SHT475 | 27,8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,64 | 100 | 10,73 | 50,0 | 23/05/05 | 3:25 | Vinicius |
| 04SHT477 | 23,3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3,16 | 100 | 9,48 | 50,0 | 23/05/05 | 3:10 | Rubens |
| 04SHT478 | 23,2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4,82 | 100 | 8,6 | 50,0 | 23/05/05 | 3:30 | Marina |
| 04SHT479 | 14,0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2,08 | 100 | 11,19 | 100,0 | 16/05/05 | 2:50 | Lilia |
| 04SHT480 | 15,5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2,1 | 100 | 12,48 | 100,0 | 16/05/05 | 4:10 | Débora |
| 04SHT482 | 2,4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1,04 | 100 | 1,27 | 100,0 | 16/05/05 | 1:40 | Betânia |
| 04SHT509 | 16,8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,23 | 100 | 13,59 | 100,0 | 17/05/05 | 3:15 | Rubens |
| 04SHT510 | 15,2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,81 | 100 | 10,25 | 100,0 | 17/05/05 | 3:30 | Vinicius |
| 04SHT511 | 24,1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,6 | 100 | 9,04 | 50,0 | 23/05/05 | 4:00 | Anísio |
| 04SHT512 | 26,1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,57 | 100 | 9,1 | 50,0 | 23/05/05 | 4:10 | Lilia |
| 04SHT513 | 14,3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2,77 | 100 | 10,73 | 100,0 | 17/05/05 | 4:30 | Marina |
| 04SHT515 | 8,8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,21 | 100 | 6,34 | 100,0 | 17/05/05 | 2:15 | Rubens |
| 04SHT516 | 22,5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 5,37 | 100 | 8,12 | 50,0 | 24/05/05 | 2:40 | Vinicius |
| 04SHT517 | 29,1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2,64 | 100 | 12,64 | 50,0 | 24/05/05 | 2:45 | Rubens |
| 04SHT518 | 2,3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2,21 | 100 | 0 | 100,0 | 17/05/05 | 1:35 | Vinicius |
| 04SHT519 | 28,5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5,09 | 100 | 11,14 | 50,0 | 24/05/05 | 4:00 | Paula |
| 04SHT521 | 20,0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,8 | 100 | 8,18 | 50,0 | 24/05/05 | 4:00 | Marina |
| 04SHT545 | 9,8 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1,92 | 100 | 7,31 | 100,0 | 17/05/05 | 4:30 | Paula |
| 04SHT547 | 18,7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,21 | 100 | 13,34 | 100,0 | 17/05/05 | 3:10 | Rubens |
| 04SHT548 | 17,8 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 4,08 | 100 | 12,45 | 100,0 | 17/05/05 | 4:30 | Anísio |
| 04SHT549 | 0,5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0,51 | 100 | 0 | 100,0 | 17/05/05 | 0:55 | Betânia |
| 04SHT550 | 20,1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,83 | 100 | 7,49 | 50,0 | 18/05/05 | 4:45 | Betânia |
| 04SHT551 | 9,1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2,11 | 100 | 6,09 | 100,0 | 17/05/05 | 2:30 | Betânia |
| 04SHT552 | 2,2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,01 | 100 | 0 | 100,0 | 17/05/05 | 1:30 | Lilia |
| 04SHT553 | 12,4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,86 | 100 | 8,67 | 100,0 | 17/05/05 | 5:50 | Débora |
| 04SHT554 | 16,6 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 3,89 | 100 | 11,51 | 100,0 | 17/05/05 | 5:45 | Lilia |
| 04SHT555 | 3,9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0,61 | 100 | 3,05 | 100,0 | 18/05/05 | 1:10 | Vinicius |
| 04SHT556 | 8,9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,25 | 100 | 6,15 | 100,0 | 18/05/05 | 2:20 | Rubens |

**Josiane Martins**
LAAG Manager

**June 16, 2005**
*Patos de Minas - Brazil*

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.38/99653F
Samples: 79

Report No: 04-857
Date: December 20, 2004

## Kimberlite Indicator Minerals

Column Header Details

Original Sample Weight in kilograms (SWT)
Mid Fraction -1.00+0.50MM Dry Weight in grams (MWT+)
Mid Fraction -0.50+0.25MM Dry Weight in grams (MWT-)
Permroll Mag -1.00+0.50MM Weight in grams (MAG+)
Permroll Mag -0.50+0.25MM Weight in grams (MAG-)

Permroll Non Mag -1.00+0.50MM Weight in grams (NMAG+)
Permroll Non Mag -0.50+0.25MM Weight in grams (NMAG-)
TBE Sinks SG>2.96 -1.00+0.50MM Weight in grams (TBES+)
TBE Sinks SG>2.96 -0.50+0.25MM Weight in grams (TBES-)
MI Floats SG<3.3 -1.00+0.50MM Weight in grams (MIF+)

MI Floats SG<3.3 -0.50+0.25MM Weight in grams (MIF-)
MI Sinks SG>3.3 -1.00+0.50MM Weight in grams (MIS+)
MI Sinks SG>3.3 -0.50+0.25MM Weight in grams (MIS-)
Ferro Mags -1.00+0.50mm Weight in grams (FM+)
Ferro Mags -0.50+0.25mm Weight in grams (FM-)

Frantz Upper -1.00+0.50mm Weight in grams (UP+)
Frantz Upper -0.50+0.25mm Weight in grams (UP-)
Frantz Lowers -1.00+0.50mm Weight in grams (LW+)
Frantz Lowers -0.50+0.25mm Weight in grams (LW-)
Pyrope Peridotitic Grains +0.5mm in Counts (Pyr-p +)

Pyrope Peridotitic Grains -0.5mm in Counts (Pyr-p -)
Pyrope Eclogitic Grains +0.5mm in Counts (Pyr-e +)
Pyrope Eclogitic Grains -0.5mm in Counts (Pyr-e -)
Chrome-Diopside Grains +0.5mm in Counts (Chr D +)
Chrome-Diopside Grains -0.5mm in Counts (Chr D -)

Olivine Grains +0.5mm in Counts (Olv +)
Olivine Grains -0.5mm in Counts (Olv -)
Picroilmenite Grains +0.5mm in Counts (Picroilm+)
Picroilmenite Grains -0.5mm in Counts (Picroilm-)
Chromite Grains +0.5mm in Counts (Chr +)

Chromite Grains -0.5mm in Counts (Chr -)
Lower Fraction Observed Weight in grams (LW Obs)
Upper Fraction Observed Weight in grams (UP Obs)
Other Indicator Grains in Counts (Others)

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.38/99653F
Samples: 79

Report No: 04-857
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST375 | 18.40 | 406 | 702 | 75 | 111 | 329 | 586 | 74.39 | 18.54 | 71.71 | 7.77 | 2.63 | 10.72 | 0.25 |
| 04JST379 | 16.00 | 1111 | 1829 | 149 | 234 | 957 | 1590 | 12.26 | 40.61 | 7.32 | 12.77 | 4.95 | 27.77 | 0.56 |
| 04JST380 | 18.80 | 1408 | 2121 | 154 | 237 | 1250 | 1879 | 12.96 | 49.89 | 7.06 | 14.10 | 5.90 | 35.72 | 0.42 |
| 04JST381 | 18.75 | 2780 | 2963 | 187 | 249 | 2589 | 2710 | 9.99 | 33.74 | 6.90 | 12.24 | 3.09 | 21.46 | 0.26 |
| 04JST384 | 17.90 | 1426 | 2245 | 190 | 299 | 1232 | 1941 | 11.38 | 37.32 | 7.48 | 12.99 | 3.90 | 24.26 | 0.39 |
| 04JST386 | 18.55 | 442 | 699 | 40 | 80 | 398 | 614 | 40.23 | 81.25 | 39.53 | 76.61 | 0.45 | 4.12 | 0 |
| 04JST388 | 19.00 | 1011 | 2059 | 101 | 208 | 907 | 1846 | 5.75 | 23.80 | 3.94 | 8.73 | 1.81 | 15.04 | 0.10 |
| 04JST390 | 14.70 | 1595 | 2067 | 205 | 306 | 1387 | 1757 | 25.84 | 104.02 | 9.30 | 15.56 | 16.54 | 88.41 | 0.75 |
| 04JST396 | 17.75 | 1271 | 2334 | 141 | 271 | 1130 | 2031 | 7.29 | 29.22 | 4.75 | 11.55 | 2.55 | 17.63 | 0.28 |
| 04JST410 | 13.50 | 1311 | 1725 | 119 | 211 | 1188 | 1509 | 8.59 | 37.39 | 4.89 | 9.41 | 3.71 | 27.94 | 0.32 |
| 04SHT380 | 15.95 | 1867 | 2990 | 94 | 153 | 1769 | 2833 | 94.45 | 22.33 | 92.67 | 5.69 | 2.34 | 16.62 | 0.16 |
| 04SHT381 | 15.50 | 1173 | 2164 | 74 | 182 | 1096 | 1979 | 73.42 | 15.27 | 71.58 | 5.88 | 2.10 | 9.37 | 0.19 |
| 04SHT382 | 19.15 | 1496 | 2693 | 63 | 128 | 1430 | 2561 | 62.67 | 18.33 | 61.08 | 5.62 | 1.37 | 12.68 | 0.05 |
| 04SHT383 | 21.55 | 1862 | 3029 | 63 | 128 | 1796 | 2887 | 63.34 | 23.68 | 61.16 | 7.54 | 2.18 | 16.12 | 0.05 |
| 04SHT384 | 22.75 | 261 | 1218 | 35 | 119 | 223 | 1097 | 34.36 | 6.44 | 33.84 | 3.15 | 0.64 | 3.26 | 0 |
| 04SHT385 | 21.95 | 2505 | 3130 | 106 | 183 | 2399 | 2944 | 6.11 | 16.09 | 3.02 | 5.64 | 3.10 | 10.42 | 0.13 |
| 04SHT386 | 20.30 | 1966 | 5162 | 109 | 306 | 1854 | 4853 | 7.41 | 34.18 | 4.60 | 12.54 | 2.82 | 21.56 | 0.22 |
| 04SHT387 | 19.30 | 1364 | 2098 | 94 | 174 | 1268 | 1917 | 93.56 | 14.22 | 92.14 | 6.85 | 1.40 | 7.29 | 0.06 |
| 04SHT388 | 20.00 | 4045 | 4623 | 242 | 254 | 3802 | 4368 | 7.45 | 18.38 | 5.90 | 9.74 | 1.58 | 8.61 | 0.16 |
| 04SHT389 | 18.55 | 1919 | 2942 | 79 | 134 | 1836 | 2803 | 78.62 | 18.64 | 76.42 | 5.90 | 1.58 | 12.71 | 0.08 |
| 04SHT390 | 17.15 | 1931 | 2913 | 81 | 177 | 1846 | 2730 | 80.97 | 22.17 | 78.00 | 6.39 | 2.47 | 15.73 | 0.14 |
| 04SHT391 | 22.15 | 2078 | 3248 | 99 | 179 | 1974 | 3064 | 98.49 | 35.97 | 95.35 | 8.15 | 3.11 | 27.79 | 0.23 |
| 04SHT392 | 17.30 | 1144 | 2436 | 65 | 154 | 1077 | 2277 | 64.95 | 22.02 | 63.55 | 6.90 | 1.31 | 15.04 | 0 |
| 04SHT393 | 14.00 | 1517 | 2080 | 77 | 154 | 1437 | 1925 | 76.40 | 50.96 | 72.97 | 7.79 | 3.41 | 43.14 | 0.13 |
| 04SHT394 | 18.55 | 1839 | 2389 | 74 | 123 | 1762 | 2263 | 73.83 | 28.75 | 69.86 | 5.23 | 2.95 | 23.49 | 0.09 |
| 04SHT395 | 13.00 | 857 | 1768 | 60 | 145 | 794 | 1621 | 59.80 | 21.59 | 58.12 | 6.14 | 1.66 | 15.38 | 0.11 |
| 04SHT396 | 14.40 | 1358 | 1953 | 89 | 175 | 1266 | 1773 | 89.00 | 36.14 | 85.91 | 8.18 | 3.00 | 27.78 | 0.15 |
| 04SHT397 | 19.70 | 2366 | 3682 | 98 | 246 | 2265 | 3434 | 97.97 | 49.31 | 94.47 | 11.07 | 3.39 | 38.22 | 0.20 |
| 04SHT398 | 18.15 | 1758 | 2621 | 79 | 198 | 1676 | 2421 | 78.92 | 45.31 | 73.95 | 7.24 | 4.26 | 38.01 | 0.22 |
| 04SHT399 | 11.90 | 1070 | 1518 | 49 | 99 | 1019 | 1415 | 48.36 | 22.52 | 46.13 | 3.61 | 2.11 | 18.86 | 0.07 |
| 04SHT400 | 19.02 | 1565 | 2457 | 103 | 203 | 1459 | 2250 | 6.90 | 33.21 | 4.24 | 8.90 | 2.67 | 24.27 | 0.11 |
| 04SHT401 | 23.85 | 1445 | 2307 | 105 | 200 | 1337 | 2103 | 6.69 | 28.09 | 4.29 | 8.24 | 2.40 | 19.76 | 0.19 |
| 04SHT402 | 14.15 | 1328 | 1557 | 68 | 122 | 1257 | 1431 | 67.85 | 32.46 | 64.12 | 6.93 | 3.82 | 25.51 | 0.17 |
| 04SHT403 | 14.20 | 2573 | 2881 | 125 | 225 | 2445 | 2653 | 11.25 | 49.41 | 5.54 | 9.79 | 5.71 | 39.58 | 0.36 |
| 04SHT404 | 19.55 | 1963 | 2404 | 130 | 196 | 1831 | 2204 | 8.29 | 30.15 | 5.49 | 8.94 | 2.79 | 21.18 | 0.15 |
| 04SHT405 | 15.95 | 3281 | 2848 | 115 | 129 | 3164 | 2716 | 6.84 | 11.38 | 5.39 | 6.60 | 1.44 | 4.75 | 0.10 |
| 04SHT432 | 22.80 | 2237 | 2991 | 98 | 189 | 2135 | 2796 | 98.42 | 40.60 | 94.66 | 7.28 | 3.14 | 33.29 | 0.18 |
| 04SHT433 | 18.35 | 2399 | 3031 | 90 | 162 | 2306 | 2866 | 89.48 | 31.01 | 84.56 | 6.87 | 4.61 | 24.04 | 0.22 |
| 04SHT434 | 16.35 | 1718 | 2555 | 62 | 122 | 1646 | 2429 | 61.88 | 31.93 | 58.52 | 6.04 | 3.16 | 25.87 | 0.14 |
| 04SHT436 | 17.50 | 1558 | 2406 | 90 | 172 | 1466 | 2231 | 89.45 | 27.18 | 86.98 | 6.46 | 2.50 | 20.67 | 0.16 |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.38/99653F
Samples: 79

Report No: 04-857
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT437 | 20.10 | 1494 | 2303 | 109 | 194 | 1382 | 2106 | 6.52 | 29.20 | 4.15 | 8.02 | 2.36 | 21.13 | 0.15 |
| 04SHT438 | 20.60 | 1772 | 2871 | 122 | 219 | 1647 | 2628 | 7.87 | 35.17 | 5.02 | 10.04 | 2.82 | 25.03 | 0.17 |
| 04SHT439 | 17.95 | 1219 | 1593 | 98 | 151 | 1118 | 1437 | 97.85 | 22.17 | 96.02 | 6.98 | 1.70 | 15.18 | 0.11 |
| 04SHT440 | 18.15 | 1433 | 2299 | 109 | 217 | 1320 | 2079 | 5.93 | 24.42 | 3.90 | 7.71 | 2.04 | 16.68 | 0.10 |
| 04SHT441 | 17.90 | 1342 | 2136 | 117 | 190 | 1220 | 1942 | 7.24 | 26.64 | 5.34 | 9.23 | 1.91 | 17.41 | 0.16 |
| 04SHT442 | 22.40 | 2219 | 3664 | 166 | 305 | 2049 | 3353 | 11.65 | 44.15 | 8.20 | 14.67 | 3.45 | 29.22 | 0.26 |
| 04SHT443 | 19.15 | 1495 | 2291 | 103 | 178 | 1389 | 2109 | 6.34 | 25.77 | 4.22 | 7.13 | 2.12 | 18.59 | 0.12 |
| 04SHT471 | 18.05 | 1342 | 2237 | 96 | 183 | 1242 | 2053 | 96.33 | 29.22 | 93.44 | 9.17 | 2.53 | 19.99 | 0.26 |
| 04SHT472 | 21.00 | 2241 | 4016 | 155 | 315 | 2082 | 3699 | 14.84 | 65.67 | 11.09 | 20.62 | 3.75 | 44.91 | 0.25 |
| 04SHT473 | 18.85 | 3349 | 3053 | 233 | 325 | 3109 | 2724 | 13.56 | 31.47 | 10.49 | 16.50 | 3.05 | 14.88 | 0.32 |
| 04SHT474 | 21.05 | 2052 | 3706 | 142 | 314 | 1906 | 3390 | 16.85 | 54.80 | 13.32 | 22.89 | 3.50 | 31.85 | 0.34 |
| 04SHT475 | 18.20 | 1629 | 2609 | 110 | 237 | 1516 | 2361 | 10.76 | 41.93 | 6.59 | 18.23 | 4.15 | 23.74 | 0.16 |
| 04SHT477 | 16.10 | 1648 | 2315 | 108 | 205 | 1536 | 2106 | 8.68 | 29.58 | 6.07 | 8.87 | 2.60 | 20.70 | 0.23 |
| 04SHT478 | 19.55 | 1687 | 2741 | 102 | 238 | 1585 | 2502 | 7.70 | 29.67 | 5.44 | 8.63 | 2.25 | 20.98 | 0.17 |
| 04SHT479 | 16.15 | 843 | 1025 | 54 | 102 | 788 | 922 | 54.47 | 15.77 | 52.11 | 3.60 | 1.85 | 12.13 | 0.12 |
| 04SHT480 | 14.40 | 1281 | 2086 | 78 | 150 | 1203 | 1936 | 77.78 | 21.00 | 76.32 | 6.98 | 1.50 | 13.99 | 0.10 |
| 04SHT482 | 13.90 | 852 | 6133 | 63 | 503 | 788 | 5623 | 63.40 | 15.70 | 63.33 | 13.37 | 0.15 | 2.25 | 0 |
| 04SHT509 | 17.90 | 1672 | 2752 | 99 | 183 | 1570 | 2569 | 99.39 | 22.08 | 97.43 | 6.91 | 1.68 | 15.14 | 0.16 |
| 04SHT510 | 17.25 | 1748 | 3163 | 101 | 280 | 1647 | 2883 | 7.35 | 21.63 | 5.41 | 8.37 | 1.94 | 13.23 | 0.20 |
| 04SHT511 | 17.90 | 2504 | 2989 | 138 | 238 | 2366 | 2745 | 10.80 | 31.06 | 7.53 | 10.16 | 3.25 | 20.86 | 0.31 |
| 04SHT512 | 22.40 | 2729 | 2961 | 158 | 208 | 2571 | 2753 | 12.45 | 30.73 | 8.17 | 8.76 | 4.23 | 21.89 | 0.32 |
| 04SHT513 | 23.10 | 1109 | 1342 | 72 | 116 | 1037 | 1227 | 71.53 | 17.26 | 68.91 | 4.85 | 1.89 | 12.40 | 0.16 |
| 04SHT515 | 20.90 | 2257 | 3331 | 101 | 222 | 2157 | 3108 | 4.98 | 14.45 | 3.71 | 6.84 | 1.25 | 7.56 | 0.05 |
| 04SHT516 | 16.35 | 1453 | 2553 | 82 | 191 | 1369 | 2363 | 81.95 | 27.33 | 79.75 | 6.97 | 2.27 | 20.30 | 0.15 |
| 04SHT517 | 19.10 | 1702 | 2115 | 121 | 181 | 1581 | 1934 | 6.71 | 37.14 | 5.14 | 9.60 | 1.55 | 27.54 | 0.12 |
| 04SHT518 | 19.50 | 98 | 1739 | 10 | 175 | 87 | 1560 | 9.76 | 6.41 | 9.43 | 4.12 | 0.15 | 2.20 | 0 |
| 04SHT519 | 19.70 | 1946 | 2997 | 105 | 209 | 1838 | 2788 | 8.14 | 34.80 | 5.55 | 8.80 | 2.58 | 25.95 | 0.25 |
| 04SHT521 | 18.80 | 1162 | 3794 | 80 | 282 | 1083 | 3510 | 79.90 | 30.45 | 76.44 | 11.96 | 1.87 | 18.17 | 0.14 |
| 04SHT545 | 17.95 | 738 | 2944 | 69 | 285 | 667 | 2654 | 68.80 | 24.31 | 67.98 | 14.94 | 0.75 | 9.11 | 0 |
| 04SHT547 | 17.10 | 1579 | 2890 | 110 | 230 | 1467 | 2660 | 8.00 | 29.31 | 6.01 | 12.55 | 1.98 | 16.77 | 0.18 |
| 04SHT548 | 17.50 | 1755 | 2634 | 143 | 258 | 1610 | 2377 | 9.85 | 26.74 | 7.47 | 11.19 | 2.37 | 15.47 | 0.27 |
| 04SHT549 | 16.45 | 93 | 461 | 17 | 50 | 75 | 411 | 16.80 | 49.78 | 16.75 | 49.29 | 0.02 | 0.49 | 0 |
| 04SHT550 | 19.10 | 2282 | 3254 | 147 | 258 | 2134 | 2999 | 9.71 | 28.26 | 7.04 | 10.69 | 2.65 | 17.49 | 0.31 |
| 04SHT551 | 16.45 | 1428 | 2485 | 128 | 158 | 1297 | 2327 | 7.65 | 23.20 | 6.57 | 15.16 | 1.06 | 7.99 | 0 |
| 04SHT552 | 16.90 | 803 | 2051 | 75 | 210 | 726 | 1840 | 74.68 | 7.42 | 74.35 | 5.44 | 0.21 | 1.95 | 0 |
| 04SHT553 | 14.80 | 1546 | 2096 | 136 | 191 | 1407 | 1905 | 13.96 | 29.90 | 12.69 | 18.68 | 1.25 | 11.16 | 0 |
| 04SHT554 | 17.95 | 2039 | 2881 | 140 | 234 | 1900 | 2645 | 8.49 | 25.20 | 6.62 | 10.40 | 1.85 | 14.72 | 0.18 |
| 04SHT555 | 19.50 | 177 | 743 | 16 | 80 | 158 | 663 | 16.25 | 79.43 | 15.98 | 75.53 | 0.24 | 3.69 | 0 |
| 04SHT556 | 21.20 | 2094 | 9502 | 144 | 692 | 1946 | 8796 | 4.76 | 46.15 | 4.19 | 37.71 | 0.56 | 8.31 | 0 |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.38/99653F
Samples: 79

Report No: 04-857
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | Picroilm+ Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST375 | 1.33 | 0 | 8.05 | 2.37 | 1.33 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST379 | 1.88 | 3.40 | 24.70 | 0.97 | 1.56 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST380 | 1.49 | 5.13 | 29.66 | 0.32 | 4.53 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST381 | 1.16 | 0 | 19.06 | 2.81 | 1.23 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST384 | 1.46 | 0 | 15.88 | 3.50 | 6.87 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST386 | 0.26 | 0 | 3.71 | 0.45 | 0.15 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST388 | 0.90 | 0 | 12.22 | 1.70 | 1.91 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST390 | 3.23 | 14.72 | 72.82 | 1.02 | 12.22 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST396 | 1.14 | 0 | 15.42 | 2.26 | 1.06 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST410 | 1.17 | 0 | 25.91 | 3.38 | 0.86 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT380 | 0.63 | 0 | 15.04 | 2.17 | 0.93 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT381 | 0.46 | 0 | 7.56 | 1.89 | 1.33 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT382 | 0.56 | 0 | 11.47 | 1.31 | 0.62 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT383 | 0.69 | 0 | 13.92 | 2.12 | 1.50 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT384 | 0.27 | 0 | 2.77 | 0.64 | 0.19 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT385 | 0.30 | 0 | 9.55 | 2.95 | 0.55 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT386 | 0.77 | 0 | 17.67 | 2.58 | 3.09 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT387 | 0.20 | 0 | 6.58 | 1.33 | 0.48 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT388 | 0.38 | 0 | 7.50 | 1.41 | 0.71 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT389 | 0.38 | 0 | 11.11 | 1.49 | 1.20 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT390 | 0.43 | 0 | 14.84 | 2.32 | 0.44 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT391 | 0.75 | 0 | 26.02 | 2.89 | 1.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT392 | 0.72 | 0 | 12.61 | 1.31 | 1.70 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT393 | 0.96 | 0 | 41.02 | 3.25 | 1.14 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT394 | 0.47 | 0 | 20.87 | 2.84 | 2.13 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT395 | 0.65 | 0 | 14.05 | 1.53 | 0.63 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT396 | 0.92 | 0 | 23.29 | 2.83 | 3.52 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT397 | 0.89 | 0 | 35.50 | 3.16 | 1.80 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT398 | 1.04 | 0 | 32.75 | 4.02 | 4.19 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT399 | 0.49 | 0 | 17.76 | 2.01 | 0.59 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT400 | 0.82 | 0 | 17.25 | 2.53 | 6.15 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT401 | 0.79 | 0 | 16.42 | 2.19 | 2.51 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT402 | 0.69 | 0 | 22.11 | 3.63 | 2.64 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT403 | 1.06 | 4.93 | 33.27 | 0.38 | 5.18 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT404 | 0.62 | 0 | 18.62 | 2.62 | 1.90 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT405 | 0.19 | 0 | 3.88 | 1.33 | 0.66 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT432 | 0.92 | 0 | 27.78 | 2.95 | 4.55 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT433 | 0.76 | 0 | 20.60 | 4.37 | 2.66 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT434 | 0.86 | 0 | 22.35 | 3.00 | 2.61 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT436 | 0.80 | 0 | 16.97 | 2.32 | 2.86 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.38/99653F
Samples: 79

Report No: 04-857
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | Picroilm+ Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT437 | 0.99 | 0 | 18.66 | 2.20 | 1.44 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT438 | 1.15 | 0 | 21.11 | 2.62 | 2.71 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT439 | 0.85 | 0 | 13.64 | 1.57 | 0.66 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT440 | 0.52 | 0 | 15.43 | 1.92 | 0.69 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT441 | 1.14 | 0 | 14.30 | 1.73 | 1.92 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT442 | 1.43 | 0 | 26.44 | 3.18 | 1.32 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT443 | 0.73 | 0 | 16.25 | 1.98 | 1.60 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT471 | 1.01 | 0 | 16.89 | 2.26 | 2.08 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT472 | 1.67 | 0 | 41.30 | 3.39 | 1.94 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT473 | 0.94 | 0 | 11.53 | 2.71 | 2.41 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT474 | 1.51 | 0 | 28.86 | 3.15 | 1.47 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT475 | 0.51 | 0 | 21.46 | 3.97 | 1.67 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT477 | 0.95 | 0 | 18.95 | 2.37 | 0.79 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT478 | 1.03 | 0 | 17.19 | 2.06 | 2.76 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT479 | 0.58 | 0 | 11.19 | 1.71 | 0.37 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT480 | 0.80 | 0 | 12.48 | 1.39 | 0.71 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT482 | 0.09 | 0 | 1.27 | 0.15 | 0.89 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT509 | 0.79 | 0 | 13.59 | 1.48 | 0.75 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT510 | 0.90 | 0 | 10.25 | 1.73 | 2.08 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT511 | 1.10 | 0 | 18.08 | 2.92 | 1.68 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT512 | 1.01 | 0 | 18.19 | 3.89 | 2.68 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT513 | 0.61 | 0 | 10.73 | 1.72 | 1.05 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT515 | 0.19 | 0 | 6.34 | 1.18 | 1.03 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT516 | 0.77 | 0 | 16.24 | 2.11 | 3.26 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT517 | 1.03 | 0 | 25.27 | 1.42 | 1.22 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT518 | 0.13 | 0 | 0 | 0.15 | 2.06 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT519 | 0.88 | 0 | 22.27 | 2.31 | 2.78 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT521 | 0.73 | 0 | 16.36 | 1.72 | 1.08 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT545 | 0.61 | 0 | 7.31 | 0.75 | 1.17 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT547 | 1.00 | 0 | 13.34 | 1.79 | 2.42 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT548 | 1.01 | 0 | 12.45 | 2.10 | 1.98 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT549 | 0 | 0 | 0 | 0.02 | 0.49 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT550 | 1.02 | 0 | 14.97 | 2.34 | 1.49 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT551 | 0.85 | 0 | 6.09 | 1.06 | 1.05 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT552 | 0.14 | 0 | 0 | 0.21 | 1.80 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT553 | 0.88 | 0 | 8.67 | 1.25 | 1.61 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT554 | 0.97 | 0 | 11.51 | 1.66 | 2.23 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT555 | 0.27 | 0 | 3.05 | 0.24 | 0.37 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT556 | 0.45 | 0 | 6.15 | 0.56 | 1.69 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.38/99653F
Samples: 79

Report No: 04-857
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | Picroilm-Counts | Chr + Counts | Chr - Counts | LW Obs g | UP Obs g | Others Counts |
|---|---|---|---|---|---|---|
| 04JST375 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST379 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST380 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST381 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST384 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST386 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST388 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST390 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST396 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST410 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT380 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT381 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT382 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT383 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT384 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT385 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT386 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT387 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT388 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT389 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT390 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT391 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT392 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT393 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT394 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT395 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT396 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT397 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT398 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT399 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT400 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT401 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT402 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT403 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT404 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT405 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT432 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT433 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT434 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT436 | N/R | N/R | N/R | N/R | N/R | N/R |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.38/99653F
Samples: 79

Report No: 04-857
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | Picroilm-Counts | Chr + Counts | Chr - Counts | LW Obs g | UP Obs g | Others Counts |
|---|---|---|---|---|---|---|
| 04SHT437 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT438 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT439 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT440 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT441 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT442 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT443 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT471 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT472 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT473 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT474 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT475 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT477 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT478 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT479 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT480 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT482 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT509 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT510 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT511 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT512 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT513 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT515 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT516 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT517 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT518 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT519 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT521 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT545 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT547 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT548 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT549 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT550 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT551 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT552 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT553 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT554 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT555 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT556 | N/R | N/R | N/R | N/R | N/R | N/R |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.38/99653F
Samples: 79

Report No: 04-857
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | Picroilm- Counts | Chr + Counts | Chr - Counts | LW Obs g | UP Obs g | Others Counts |
|---|---|---|---|---|---|---|

0's (zeroes) in the UP+ or UP- weight columns indicate that the sample was too small to be frantzed. The total weight of that fraction is recorded in the LW+ or LW- columns.

| Sample_Num | Total Weight _g | Pyr-p +_Counts | Pyr-p -_Counts | Pyr-e +_Counts | Pyr-e -_Counts | Olv +_Counts | Olv -_Counts | Cpx+_ Counts | Cpx-_ Counts | Picroilm+_Counts | Picroilm-_Counts | Chr +_Counts | Chr -_Counts | LW_total_OBS_g | LW_total_OBS_wt% | UP_total_OBS_g | UP_total_OBS_wt% | Date | Time | Obsv. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| 04SHT574 | 11,58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,32 | 100 | 7,01 | 100 | 02/05/05 | 4:35 | Débora |
| 04SHT576 | 7,58 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 100 | 4,68 | 100 | 03/05/05 | 2:25 | Vinicius |
| 04SHT583 | 8,46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,7 | 100 | 3,86 | 100 | 03/05/05 | 6:00 | Marina |
| 04SHT606 | 12,01 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 3,48 | 100 | 6,78 | 100 | 03/05/05 | 4:50 | Vinicius |
| 04SHT607 | 12,64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,31 | 100 | 6,98 | 100 | 03/05/05 | 2:00 | Paula |
| 04SHT611 | 8,56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2,37 | 100 | 4,87 | 100 | 03/05/05 | 2:20 | Anísio |
| 04SHT615 | 5,8 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2,29 | 100 | 2,69 | 100 | 03/05/05 | 2:30 | Débora |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| Total | 896,98 | 10 | 14 | 2 | 22 | 0 | 39 | 1 | 3 | 2 | 12 | 0 | 3 | 108 | | | | | 205 hours | |

**Josiane Martins**
LAAG Manager

**June 03, 2005**
*Patos de Minas - Brazil*

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.36/99653F
Samples: 62

**SRC Geoanalytical Laboratories**
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Report No: 04-834
Date: December 20, 2004

## Kimberlite Indicator Minerals

Column Header Details

Original Sample Weight in kilograms (SWT)
Mid Fraction -1.00+0.50MM Dry Weight in grams (MWT+)
Mid Fraction -0.50+0.25MM Dry Weight in grams (MWT-)
Permroll Mag -1.00+0.50MM Weight in grams (MAG+)
Permroll Mag -0.50+0.25MM Weight in grams (MAG-)

Permroll Non Mag -1.00+0.50MM Weight in grams (NMAG+)
Permroll Non Mag -0.50+0.25MM Weight in grams (NMAG-)
TBE Sinks SG>2.96 -1.00+0.50MM Weight in grams (TBES+)
TBE Sinks SG>2.96 -0.50+0.25MM Weight in grams (TBES-)
MI Floats SG<3.3 -1.00+0.50MM Weight in grams (MIF+)

MI Floats SG<3.3 -0.50+0.25MM Weight in grams (MIF-)
MI Sinks SG>3.3 -1.00+0.50MM Weight in grams (MIS+)
MI Sinks SG>3.3 -0.50+0.25MM Weight in grams (MIS-)
Ferro Mags -1.00+0.50mm Weight in grams (FM+)
Ferro Mags -0.50+0.25mm Weight in grams (FM-)

Frantz Upper -1.00+0.50mm Weight in grams (UP+)
Frantz Upper -0.50+0.25mm Weight in grams (UP-)
Frantz Lowers -1.00+0.50mm Weight in grams (LW+)
Frantz Lowers -0.50+0.25mm Weight in grams (LW-)
Pyrope Peridotitic Grains +0.5mm in Counts (Pyr-p +)

Pyrope Peridotitic Grains -0.5mm in Counts (Pyr-p -)
Pyrope Eclogitic Grains +0.5mm in Counts (Pyr-e +)
Pyrope Eclogitic Grains -0.5mm in Counts (Pyr-e -)
Chrome-Diopside Grains +0.5mm in Counts (Chr D +)
Chrome-Diopside Grains -0.5mm in Counts (Chr D -)

Olivine Grains +0.5mm in Counts (Olv +)
Olivine Grains -0.5mm in Counts (Olv -)
Picroilmenite Grains +0.5mm in Counts (Picroilm+)
Picroilmenite Grains -0.5mm in Counts (Picroilm-)
Chromite Grains +0.5mm in Counts (Chr +)

Chromite Grains -0.5mm in Counts (Chr -)
Lower Fraction Observed Weight in grams (LW Obs)
Upper Fraction Observed Weight in grams (UP Obs)
Other Indicator Grains in Counts (Others)

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
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Samples: 62

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Report No: 04-834
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [redacted] | | | | | | | | | | | | | | |
| 04JST672 | 22.50 | 1260 | 2869 | 275 | 497 | 986 | 2367 | 22.31 | 51.46 | 19.84 | 36.39 | 2.43 | 15.00 | 0.47 |
| [redacted] | | | | | | | | | | | | | | |
| 04SHT574 | 16.10 | 994 | 2036 | 246 | 370 | 743 | 1661 | 17.41 | 39.83 | 15.56 | 29.82 | 1.79 | 9.95 | 0.36 |
| 04SHT576 | 14.75 | 668 | 1456 | 163 | 254 | 505 | 1202 | 9.73 | 26.90 | 8.61 | 20.20 | 1.06 | 6.65 | 0.11 |
| [redacted] | | | | | | | | | | | | | | |
| 04SHT583 | 12.95 | 880 | 1859 | 220 | 384 | 660 | 1443 | 15.67 | 38.94 | 14.32 | 31.56 | 1.29 | 7.31 | 0.29 |
| 04SHT606 | 13.80 | 888 | 1714 | 227 | 373 | 661 | 1308 | 17.56 | 39.56 | 15.21 | 29.62 | 2.28 | 9.87 | 0.34 |
| 04SHT607 | 15.30 | 2540 | 4309 | 687 | 905 | 1823 | 3373 | 43.77 | 71.70 | 40.84 | 61.62 | 2.88 | 9.91 | 0.64 |
| 04SHT611 | 12.30 | 830 | 1974 | 193 | 357 | 637 | 1585 | 14.35 | 38.36 | 12.98 | 30.91 | 1.32 | 7.39 | 0.21 |
| 04SHT615 | 13.25 | 652 | 1818 | 165 | 346 | 487 | 1439 | 9.47 | 26.07 | 8.52 | 20.95 | 0.89 | 5.04 | 0.11 |
| [redacted] | | | | | | | | | | | | | | |

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Report No: 04-834
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## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| 04SMT265 | 15.90 | 862 | 2007 | 265 | 627 | 862 | 1075 | 15.78 | 10.28 | 11.87 | 37.91 | 1.85 | 8.91 | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.36/99653F
Samples: 62

**SRC Geoanalytical Laboratories**
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 04-834
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | Picroilm+ Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [redacted] | | | | | | | | | | | | | | |
| 04JST672 | 1.75 | 0 | 12.12 | 1.91 | 1.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | | | | | | | | | | | | | | |
| 04SHT574 | 1.89 | 0 | 7.01 | 1.39 | 0.93 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT576 | 0.77 | 0 | 4.68 | 0.91 | 1.09 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT583 | 1.61 | 0 | 3.86 | 0.96 | 1.74 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT606 | 1.41 | 0 | 6.78 | 1.89 | 1.59 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT607 | 1.71 | 0 | 6.98 | 2.19 | 1.12 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT611 | 1.11 | 0 | 4.87 | 1.05 | 1.32 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT615 | 0.71 | 0 | 2.69 | 0.73 | 1.56 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | | | | | | | | | | | | | | |

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Report No: 04-834
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## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | Picroilm+ Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [redacted] | | | | | | | | | | | | | | |

**Shear Minerals Ltd.**
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Report No: 04-834
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | Picroilm-Counts | Chr + Counts | Chr - Counts | LW Obs g | UP Obs g | Others Counts |
|---|---|---|---|---|---|---|
| [redacted] | | | | | | |
| 04SHT574 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT576 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT583 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT606 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT607 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT611 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT615 | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | | | | | | |

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Report No: 04-834
Date: December 20, 2004

## Kimberlite Indicator Minerals

| Sample Number | Picroilm-Counts | Chr + Counts | Chr - Counts | LW Obs g | UP Obs g | Others Counts |
|---|---|---|---|---|---|---|
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |
| [redacted] | N/R | N/R | N/R | N/R | N/R | N/R |

0's (zeroes) in the UP+ or UP- weight columns indicate that the sample was too small to be frantzed. The total weight of that fraction is recorded in the LW+ or LW- columns.

| Sample_Num | Total Weight_g | Pyr-p +_Counts | Pyr-p -_Counts | Pyr-e +_Counts | Pyr-e -_Counts | Olv +_Counts | Olv -_Counts | Cpx+_ Counts | Cpx-_ Counts | Picroilm+_Counts | Picroilm-_Counts | Chr +_Counts | Chr -_Counts | LW_total_OBS_g | LW_total_OBS_wt% | UP_total_OBS_g | UP_total_OBS_wt% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT407 | 46,08 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2,28 | 100 | 13,62 | 31 |
| 04SHT408 | 34,25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2,21 | 100 | 17,54 | 56 |
| 04SHT411 | 43,06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,03 | 100 | 12,96 | 34 |
| 04SHT413 | 10,85 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,13 | 100 | 8,32 | 100 |
| 04SHT418 | 30,63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,24 | 100 | 16,44 | 58 |
| 04SHT420 | 32,34 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,99 | 100 | 15,38 | 56 |
| 04SHT422 | 25,42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,37 | 100 | 12,89 | 56 |
| 04SHT424 | 23,27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,13 | 100 | 8,6 | 53 |
| 04SHT431 | 19,9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,11 | 100 | 15,2 | 100 |
| 04SHT444 | 17,87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,69 | 100 | 11,4 | 100 |
| 04SHT446 | 25,35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,29 | 100 | 11,94 | 57 |
| 04SHT449 | 21,09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,08 | 100 | 11 | 58 |
| 04SHT451 | 22,41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,9 | 100 | 9,5 | 51 |
| 04SHT455 | 18,42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,15 | 100 | 13,15 | 100 |
| 04SHT456 | 21,22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,1 | 100 | 17,1 | 100 |
| 04SHT458 | 14,71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,97 | 100 | 11,18 | 100 |
| 04SHT459 | 28,81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,79 | 100 | 14 | 56 |
| 04SHT461 | 26,99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 100 | 10,5 | 50 |
| 04SHT462 | 20,69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,36 | 100 | 8,5 | 54 |
| 04SHT465 | 30,4 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,8 | 100 | 16,25 | 59 |
| 04SHT466 | 28,88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 100 | 15,53 | 60 |
| 04SHT467 | 21,32 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4,1 | 100 | 9,91 | 61 |
| 04SHT468 | 20,51 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,43 | 100 | 8,3 | 54 |
| 04SHT469 | 15,21 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 100 | 10,47 | 100 |
| 04SHT470 | 19,74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,32 | 100 | 15,81 | 100 |
| 04SHT483 | 13,37 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2,98 | 100 | 8,79 | 100 |
| 04SHT484 | 14,8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,4 | 100 | 10,12 | 100 |
| 04SHT485 | 16,44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,4 | 100 | 11,94 | 100 |
| 04SHT486 | 18,15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,52 | 100 | 12,51 | 100 |
| 04SHT487 | 16,92 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,91 | 100 | 10,19 | 100 |
| 04SHT488 | 16,61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,65 | 100 | 12,09 | 100 |
| 04SHT489 | 13,68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,03 | 100 | 8,73 | 100 |
| 04SHT490 | 17,13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,1 | 100 | 11,67 | 100 |
| 04SHT492 | 14,49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,13 | 100 | 11,29 | 100 |
| 04SHT494 | 9,41 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2,89 | 100 | 5,92 | 100 |
| 04SHT495 | 19,6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,79 | 100 | 15,55 | 100 |
| 04SHT496 | 12,6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,61 | 100 | 7,62 | 100 |
| 04SHT497 | 16,08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,68 | 100 | 9,65 | 100 |
| 04SHT498 | 22,04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,57 | 100 | 6,5 | 47 |
| 04SHT499 | 17,27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,74 | 100 | 11,46 | 100 |
| 04SHT500 | 26,29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,59 | 100 | 12,95 | 60 |
| 04SHT502 | 10,56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4,13 | 100 | 5,41 | 100 |
| 04SHT503 | 17,63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,96 | 100 | 9,81 | 100 |
| 04SHT504 | 13,41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,08 | 100 | 6,58 | 100 |
| 04SHT505 | 12,03 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 2,76 | 100 | 8,56 | 100 |
| 04SHT506 | 14,17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,2 | 100 | 9,21 | 100 |
| 04SHT507 | 17,12 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,89 | 100 | 12,49 | 100 |
| 04SHT508 | 4,38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,96 | 100 | 2,18 | 100 |
| 04SHT522 | 16,53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,87 | 100 | 8,21 | 100 |
| 04SHT523 | 15,73 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,26 | 100 | 9,45 | 100 |
| 04SHT524 | 10,85 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3,21 | 100 | 6,69 | 100 |
| 04SHT525 | 17,89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,12 | 100 | 11,24 | 100 |
| 04SHT526 | 15,04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,46 | 100 | 9,25 | 100 |
| 04SHT527 | 14,63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2,99 | 100 | 9,6 | 100 |
| 04SHT528 | 19,71 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3,8 | 100 | 14,08 | 100 |
| 04SHT529 | 24,54 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3,12 | 100 | 10,76 | 58 |
| 04SHT530 | 28,26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,59 | 100 | 13,58 | 64 |
| 04SHT531 | 5,11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,75 | 100 | 2,87 | 100 |
| 04SHT532 | 13,66 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3,8 | 100 | 8,52 | 100 |
| 04SHT533 | 17,92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,1 | 100 | 11,89 | 100 |
| 04SHT534 | 18,55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,13 | 100 | 12,18 | 100 |
| 04SHT535 | 16,92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,35 | 100 | 11,63 | 100 |
| 04SHT536 | 19,03 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3,56 | 100 | 13,67 | 100 |
| 04SHT537 | 24,08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,53 | 100 | 9,72 | 58 |
| 04SHT538 | 27,64 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5,38 | 100 | 11,79 | 58 |
| 04SHT539 | 25,64 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 3,78 | 100 | 11,99 | 59 |

**Josiane Martins**
**LAAG Manager**

**April 29, 2005**
***Patos de Minas - Brazil***

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT541 | 19,25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,69 | 100 | 12,54 | 100 |
| 04SHT542 | 17,4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,12 | 100 | 12,96 | 100 |
| 04SHT543 | 17,35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,06 | 100 | 11,19 | 100 |
| 04SHT544 | 18,72 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1,95 | 100 | 16,03 | 100 |
| 04SMT239 | 9,9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,65 | 100 | 6,23 | 100 |
| 04SMT240 | 28,32 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3,42 | 100 | 8,7 | 54 |
| 04SMT242 | 7,74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,35 | 100 | 1,3 | 100 |
| 04SMT243 | 29,84 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,45 | 100 | 6,9 | 53 |
| 04SMT247 | 16,65 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,7 | 100 | 8,14 | 100 |
| 04SMT249 | 9,98 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2,38 | 100 | 5,4 | 100 |
| 04SMT251 | 11,34 | 0 | 1 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 1 | 2,93 | 100 | 5,08 | 100 |
| 04SMT252 | 9,62 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 2,62 | 100 | 5,28 | 100 |
| 04SMT259 | 7,44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,02 | 100 | 4,02 | 100 |
| 04SMT264 | 6,09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,97 | 100 | 2,92 | 100 |
| 04SMT265 | 2,19 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2,14 | 100 | 0 | 100 |

**Josiane Martins**
**LAAG Manager**

**April 29, 2005**
***Patos de Minas - Brazil***

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.44/99653F
Samples: 70

Report No: 04-900
Date: January 14, 2005

## Kimberlite Indicator Minerals

Column Header Details

Original Sample Weight in kilograms (SWT)
Mid Fraction -1.00+0.50MM Dry Weight in grams (MWT+)
Mid Fraction -0.50+0.25MM Dry Weight in grams (MWT-)
Permroll Mag -1.00+0.50MM Weight in grams (MAG+)
Permroll Mag -0.50+0.25MM Weight in grams (MAG-)

Permroll Non Mag -1.00+0.50MM Weight in grams (NMAG+)
Permroll Non Mag -0.50+0.25MM Weight in grams (NMAG-)
TBE Sinks SG>2.96 -1.00+0.50MM Weight in grams (TBES+)
TBE Sinks SG>2.96 -0.50+0.25MM Weight in grams (TBES-)
MI Floats SG<3.3 -1.00+0.50MM Weight in grams (MIF+)

MI Floats SG<3.3 -0.50+0.25MM Weight in grams (MIF-)
MI Sinks SG>3.3 -1.00+0.50MM Weight in grams (MIS+)
MI Sinks SG>3.3 -0.50+0.25MM Weight in grams (MIS-)
Ferro Mags -1.00+0.50mm Weight in grams (FM+)
Ferro Mags -0.50+0.25mm Weight in grams (FM-)

Frantz Upper -1.00+0.50mm Weight in grams (UP+)
Frantz Upper -0.50+0.25mm Weight in grams (UP-)
Frantz Lowers -1.00+0.50mm Weight in grams (LW+)
Frantz Lowers -0.50+0.25mm Weight in grams (LW-)
Pyrope Peridotitic Grains +0.5mm in Counts (Pyr-p +)

Pyrope Peridotitic Grains -0.5mm in Counts (Pyr-p -)
Pyrope Eclogitic Grains +0.5mm in Counts (Pyr-e +)
Pyrope Eclogitic Grains -0.5mm in Counts (Pyr-e -)
Chrome-Diopside Grains +0.5mm in Counts (Chr D +)
Chrome-Diopside Grains -0.5mm in Counts (Chr D -)

Olivine Grains +0.5mm in Counts (Olv +)
Olivine Grains -0.5mm in Counts (Olv -)
Picroilmenite Grains +0.5mm in Counts (Picroilm+)
Picroilmenite Grains -0.5mm in Counts (Picroilm-)
Chromite Grains +0.5mm in Counts (Chr +)

Chromite Grains -0.5mm in Counts (Chr -)
Lower Fraction Observed Weight in grams (LW Obs)
Upper Fraction Observed Weight in grams (UP Obs)
Other Indicator Grains in Counts (Others)

**SRC Geoanalytical Laboratories**
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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.44/99653F
Samples: 70

Report No: 04-900
Date: January 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT407 | 18.90 | 2959 | 3132 | 55 | 112 | 2902 | 3021 | 54.90 | 74.45 | 50.13 | 33.03 | 4.72 | 41.41 | 0.16 |
| 04SHT408 | 21.65 | 2625 | 2662 | 104 | 165 | 2520 | 2497 | 104.30 | 37.79 | 100.26 | 7.22 | 3.75 | 30.68 | 0.22 |
| 04SHT411 | 19.45 | 3224 | 3307 | 142 | 167 | 3082 | 3140 | 13.81 | 51.12 | 8.31 | 13.42 | 5.47 | 37.73 | 0.32 |
| 04SHT413 | 16.50 | 1692 | 2875 | 82 | 145 | 1610 | 2730 | 82.13 | 16.67 | 81.12 | 6.80 | 1.01 | 9.88 | 0.05 |
| 04SHT418 | 15.65 | 2330 | 2717 | 107 | 175 | 2223 | 2543 | 106.98 | 33.81 | 103.15 | 7.23 | 4.13 | 26.58 | 0.30 |
| 04SHT420 | 18.85 | 2255 | 2999 | 110 | 192 | 2144 | 2807 | 8.90 | 37.01 | 5.49 | 8.01 | 3.41 | 29.04 | 0.25 |
| 04SHT422 | 15.15 | 2035 | 2508 | 100 | 165 | 1936 | 2344 | 100.08 | 28.73 | 97.03 | 6.26 | 3.02 | 22.50 | 0.25 |
| 04SHT424 | 14.95 | 2030 | 2432 | 103 | 162 | 1927 | 2270 | 103.18 | 26.98 | 100.26 | 6.41 | 2.74 | 20.59 | 0.22 |
| 04SHT431 | 11.55 | 1626 | 1935 | 68 | 128 | 1558 | 1807 | 68.13 | 23.75 | 65.11 | 6.65 | 2.83 | 17.11 | 0.16 |
| 04SHT444 | 15.60 | 1508 | 2081 | 131 | 206 | 1376 | 1874 | 9.59 | 25.46 | 7.56 | 9.56 | 2.02 | 15.91 | 0.14 |
| 04SHT446 | 19.65 | 2267 | 2852 | 170 | 270 | 2088 | 2583 | 12.45 | 34.57 | 9.00 | 12.46 | 3.43 | 22.07 | 0.30 |
| 04SHT449 | 18.35 | 1797 | 2481 | 178 | 309 | 1618 | 2171 | 15.17 | 35.21 | 12.18 | 16.92 | 2.94 | 18.24 | 0.22 |
| 04SHT451 | 14.95 | 1310 | 2129 | 124 | 156 | 1185 | 1970 | 8.99 | 32.86 | 6.83 | 12.47 | 2.16 | 20.35 | 0.17 |
| 04SHT455 | 21.05 | 1633 | 2626 | 165 | 249 | 1467 | 2378 | 9.32 | 29.60 | 7.01 | 13.37 | 2.30 | 16.22 | 0.22 |
| 04SHT456 | 19.45 | 1401 | 2365 | 135 | 219 | 1265 | 2144 | 12.91 | 36.34 | 10.76 | 17.14 | 2.13 | 19.17 | 0.21 |
| 04SHT458 | 10.55 | 1026 | 1489 | 68 | 95 | 958 | 1396 | 68.30 | 94.63 | 66.27 | 80.78 | 1.79 | 13.01 | 0.12 |
| 04SHT459 | 16.60 | 1914 | 2682 | 145 | 165 | 1770 | 2518 | 12.33 | 37.13 | 8.66 | 11.79 | 3.65 | 25.25 | 0.27 |
| 04SHT461 | 24.40 | 1658 | 2947 | 100 | 184 | 1558 | 2763 | 100.30 | 37.17 | 97.24 | 12.41 | 2.40 | 24.65 | 0.20 |
| 04SHT462 | 19.30 | 1742 | 2648 | 109 | 148 | 1633 | 2501 | 109.31 | 28.07 | 106.82 | 9.55 | 2.29 | 18.46 | 0.14 |
| 04SHT465 | 24.20 | 2391 | 3554 | 154 | 239 | 2237 | 3316 | 12.22 | 39.47 | 8.10 | 12.94 | 4.07 | 26.42 | 0.28 |
| 04SHT466 | 18.70 | 1679 | 2973 | 128 | 217 | 1551 | 2756 | 12.04 | 36.46 | 6.38 | 13.05 | 5.63 | 23.34 | 0.34 |
| 04SHT467 | 16.40 | 1702 | 2338 | 165 | 221 | 1537 | 2117 | 10.34 | 31.45 | 7.11 | 13.18 | 3.20 | 18.23 | 0.25 |
| 04SHT468 | 17.15 | 1829 | 2574 | 142 | 234 | 1687 | 2340 | 9.44 | 29.04 | 6.69 | 11.11 | 2.72 | 17.87 | 0.17 |
| 04SHT469 | 19.10 | 1136 | 2362 | 89 | 172 | 1049 | 2188 | 89.64 | 23.92 | 88.18 | 9.98 | 1.35 | 13.92 | 0.11 |
| 04SHT470 | 18.55 | 1265 | 2458 | 93 | 159 | 1172 | 2307 | 92.62 | 26.25 | 90.68 | 8.11 | 1.67 | 18.11 | 0.12 |
| 04SHT483 | 17.05 | 1373 | 2330 | 232 | 339 | 1141 | 1992 | 16.38 | 30.66 | 14.17 | 19.39 | 2.18 | 11.24 | 0.34 |
| 04SHT484 | 16.05 | 1159 | 2875 | 95 | 215 | 1064 | 2660 | 95.91 | 26.32 | 94.15 | 13.18 | 1.70 | 13.13 | 0.27 |
| 04SHT485 | 18.15 | 1966 | 3157 | 174 | 224 | 1791 | 2933 | 12.46 | 27.77 | 9.87 | 13.80 | 2.56 | 13.93 | 0.29 |
| 04SHT486 | 18.20 | 1631 | 3024 | 119 | 211 | 1512 | 2813 | 11.44 | 32.48 | 9.28 | 16.38 | 2.13 | 16.06 | 0.23 |
| 04SHT487 | 15.90 | 1867 | 2776 | 132 | 146 | 1735 | 2631 | 9.27 | 24.97 | 7.11 | 10.10 | 2.12 | 14.85 | 0.20 |
| 04SHT488 | 21.10 | 1632 | 3279 | 113 | 168 | 1519 | 3111 | 7.45 | 25.82 | 5.70 | 10.66 | 1.73 | 15.13 | 0.15 |
| 04SHT489 | 20.25 | 2033 | 2151 | 136 | 163 | 1896 | 1988 | 12.15 | 19.38 | 8.95 | 8.80 | 3.18 | 10.58 | 0.32 |
| 04SHT490 | 20.55 | 1418 | 3038 | 154 | 257 | 1263 | 2779 | 12.28 | 33.97 | 10.40 | 18.59 | 1.84 | 15.38 | 0.23 |
| 04SHT492 | 17.20 | 1960 | 2106 | 201 | 172 | 1758 | 1934 | 15.05 | 25.89 | 11.86 | 14.46 | 3.14 | 11.43 | 0.28 |
| 04SHT494 | 19.45 | 2317 | 2873 | 151 | 223 | 2164 | 2650 | 11.92 | 20.91 | 10.30 | 13.02 | 1.58 | 7.88 | 0.10 |
| 04SHT495 | 16.80 | 1658 | 2796 | 144 | 245 | 1516 | 2550 | 10.78 | 32.82 | 8.81 | 15.09 | 1.93 | 17.73 | 0.21 |
| 04SHT496 | 15.95 | 1117 | 2082 | 154 | 271 | 962 | 1810 | 12.13 | 27.54 | 10.25 | 16.71 | 1.84 | 10.82 | 0.32 |
| 04SHT497 | 19.20 | 2154 | 2207 | 245 | 224 | 1909 | 1983 | 29.95 | 41.58 | 25.78 | 29.50 | 4.07 | 12.07 | 0.54 |
| 04SHT498 | 22.80 | 2647 | 3881 | 210 | 217 | 2436 | 3664 | 17.22 | 35.30 | 13.03 | 17.26 | 4.13 | 18.00 | 0.41 |
| 04SHT499 | 20.35 | 2309 | 2865 | 124 | 259 | 2185 | 2606 | 10.10 | 21.94 | 6.43 | 8.21 | 3.61 | 13.74 | 0.39 |

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Samples: 70

Report No: 04-900
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## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT500 | 21.85 | 3079 | 2964 | 185 | 190 | 2894 | 2774 | 21.96 | 39.13 | 16.55 | 18.08 | 5.39 | 21.04 | 0.28 |
| 04SHT502 | 16.70 | 1299 | 2370 | 106 | 207 | 1193 | 2163 | 105.55 | 32.06 | 104.50 | 22.85 | 1.51 | 9.14 | 0.16 |
| 04SHT503 | 17.15 | 1953 | 2893 | 212 | 322 | 1741 | 2570 | 19.61 | 34.49 | 15.65 | 20.51 | 3.92 | 13.84 | 0.57 |
| 04SHT504 | 22.05 | 2581 | 3200 | 147 | 207 | 2434 | 2987 | 14.93 | 27.69 | 11.14 | 17.93 | 3.81 | 9.71 | 0.26 |
| 04SHT505 | 17.55 | 1440 | 2602 | 57 | 116 | 1382 | 2486 | 57.17 | 16.64 | 55.59 | 6.07 | 1.52 | 10.57 | 0.17 |
| 04SHT506 | 20.70 | 2042 | 1860 | 122 | 104 | 1920 | 1757 | 8.25 | 104.01 | 5.42 | 92.42 | 2.82 | 11.41 | 0.24 |
| 04SHT507 | 20.65 | 2469 | 3120 | 128 | 253 | 2341 | 2860 | 8.47 | 22.92 | 5.65 | 8.52 | 2.80 | 14.41 | 0.21 |
| 04SHT508 | 14.75 | 2559 | 3306 | 129 | 188 | 2429 | 3116 | 7.05 | 11.65 | 5.42 | 8.25 | 1.62 | 3.40 | 0.06 |
| 04SHT522 | 18.10 | 1911 | 2183 | 422 | 408 | 1489 | 1773 | 30.86 | 37.99 | 26.95 | 25.24 | 3.88 | 12.71 | 0.75 |
| 04SHT523 | 17.00 | 1690 | 2030 | 289 | 367 | 1400 | 1660 | 25.07 | 35.45 | 21.76 | 22.87 | 3.28 | 12.52 | 0.61 |
| 04SHT524 | 17.30 | 1008 | 2384 | 187 | 349 | 819 | 2033 | 11.32 | 29.49 | 10.06 | 19.75 | 1.24 | 9.65 | 0.19 |
| 04SHT525 | 21.25 | 1390 | 2884 | 300 | 431 | 1089 | 2452 | 19.13 | 41.68 | 16.68 | 26.05 | 2.42 | 15.51 | 0.47 |
| 04SHT526 | 16.60 | 1203 | 2286 | 254 | 396 | 948 | 1888 | 20.92 | 42.03 | 18.64 | 29.14 | 2.25 | 12.81 | 0.42 |
| 04SHT527 | 17.80 | 1260 | 2219 | 258 | 343 | 1001 | 1876 | 22.59 | 37.68 | 20.47 | 25.07 | 2.10 | 12.58 | 0.48 |
| 04SHT528 | 20.65 | 2187 | 2668 | 298 | 331 | 1888 | 2336 | 23.85 | 40.66 | 19.62 | 25.01 | 4.19 | 15.60 | 0.56 |
| 04SHT529 | 21.45 | 2178 | 4408 | 370 | 602 | 1807 | 3802 | 21.86 | 52.61 | 18.28 | 31.49 | 3.54 | 21.08 | 0.63 |
| 04SHT530 | 19.00 | 1963 | 3166 | 286 | 408 | 1677 | 2758 | 34.36 | 55.88 | 26.98 | 34.80 | 7.32 | 21.00 | 0.67 |
| 04SHT531 | 18.95 | 579 | 1028 | 81 | 152 | 499 | 875 | 81.09 | 11.27 | 80.67 | 7.00 | 0.91 | 4.26 | 0 |
| 04SHT532 | 16.25 | 1188 | 2223 | 149 | 242 | 1039 | 1979 | 12.14 | 27.41 | 9.95 | 15.87 | 2.16 | 11.52 | 0.33 |
| 04SHT533 | 18.15 | 2038 | 3128 | 183 | 306 | 1855 | 2822 | 13.13 | 29.36 | 10.30 | 14.20 | 2.80 | 15.14 | 0.18 |
| 04SHT534 | 18.30 | 1737 | 2277 | 291 | 300 | 1445 | 1978 | 24.44 | 37.87 | 20.44 | 23.07 | 3.97 | 14.68 | 0.64 |
| 04SHT535 | 19.55 | 1802 | 2292 | 305 | 338 | 1497 | 1954 | 34.19 | 47.63 | 30.45 | 34.23 | 3.67 | 13.31 | 0.50 |
| 04SHT536 | 19.55 | 1496 | 2193 | 209 | 285 | 1287 | 1908 | 24.13 | 40.31 | 20.49 | 24.70 | 3.58 | 15.54 | 0.51 |
| 04SHT537 | 19.30 | 1759 | 3107 | 242 | 359 | 1517 | 2747 | 29.15 | 53.87 | 25.40 | 33.27 | 3.70 | 20.50 | 0.53 |
| 04SHT538 | 20.45 | 2633 | 3140 | 246 | 308 | 2386 | 2830 | 26.13 | 53.52 | 21.88 | 29.86 | 4.18 | 23.40 | 0.51 |
| 04SHT539 | 21.65 | 2819 | 2974 | 230 | 273 | 2584 | 2699 | 23.16 | 39.61 | 18.02 | 19.04 | 5.11 | 20.50 | 0.53 |
| 04SHT541 | 18.90 | 1942 | 3408 | 156 | 298 | 1785 | 3109 | 12.84 | 34.75 | 10.40 | 17.82 | 2.41 | 16.86 | 0.24 |
| 04SHT542 | 18.60 | 2090 | 2925 | 205 | 213 | 1885 | 2712 | 14.18 | 29.49 | 11.48 | 14.63 | 2.67 | 14.81 | 0.37 |
| 04SHT543 | 17.60 | 1509 | 2868 | 126 | 255 | 1382 | 2607 | 12.08 | 33.55 | 10.18 | 18.01 | 1.88 | 15.50 | 0.22 |
| 04SHT544 | 20.35 | 2211 | 2947 | 181 | 233 | 2023 | 2718 | 19.40 | 36.08 | 15.91 | 20.63 | 3.41 | 15.36 | 0.24 |

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Samples: 70

Report No: 04-900
Date: January 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | Picroilm+ Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT407 | 0.40 | 3.72 | 39.52 | 0.79 | 1.49 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT408 | 0.59 | 3.04 | 28.19 | 0.46 | 1.75 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT411 | 0.91 | 4.46 | 33.34 | 0.65 | 3.38 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT413 | 0.35 | 0 | 8.32 | 0.94 | 1.19 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT418 | 0.67 | 3.44 | 24.98 | 0.35 | 0.89 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT420 | 0.79 | 2.68 | 24.63 | 0.43 | 3.56 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT422 | 0.56 | 2.29 | 20.95 | 0.43 | 0.94 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT424 | 0.59 | 0 | 16.33 | 2.49 | 3.64 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT431 | 0.43 | 0 | 15.20 | 2.65 | 1.46 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT444 | 0.62 | 0 | 11.42 | 1.85 | 3.84 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT446 | 0.73 | 2.64 | 18.39 | 0.43 | 2.86 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT449 | 0.83 | 2.40 | 16.56 | 0.28 | 0.80 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT451 | 0.83 | 0 | 18.51 | 1.95 | 0.95 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT455 | 0.90 | 0 | 13.15 | 2.04 | 2.11 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT456 | 0.81 | 0 | 17.10 | 1.90 | 1.20 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT458 | 0.44 | 0 | 11.18 | 1.64 | 1.33 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT459 | 0.84 | 2.80 | 22.11 | 0.54 | 2.25 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT461 | 0.77 | 0 | 21.02 | 2.20 | 2.80 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT462 | 0.45 | 0 | 15.74 | 2.14 | 2.22 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT465 | 0.69 | 3.15 | 24.48 | 0.60 | 1.20 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT466 | 0.71 | 4.83 | 21.00 | 0.42 | 1.58 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT467 | 0.81 | 2.51 | 13.65 | 0.41 | 3.69 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT468 | 0.57 | 0 | 15.34 | 2.54 | 1.89 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT469 | 0.63 | 0 | 10.47 | 1.23 | 2.77 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT470 | 0.49 | 0 | 15.81 | 1.54 | 1.78 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT483 | 1.26 | 0 | 8.79 | 1.82 | 1.16 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT484 | 1.01 | 0 | 10.12 | 1.43 | 1.97 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT485 | 0.81 | 0 | 11.94 | 2.25 | 1.15 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT486 | 0.89 | 0 | 12.51 | 1.89 | 2.63 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT487 | 0.62 | 0 | 10.19 | 1.89 | 4.02 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT488 | 0.72 | 0 | 12.09 | 1.38 | 2.27 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT489 | 0.60 | 1.96 | 6.77 | 0.86 | 3.17 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT490 | 1.13 | 0 | 11.67 | 1.59 | 2.51 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT492 | 0.79 | 2.16 | 9.13 | 0.66 | 1.47 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT494 | 0.50 | 0 | 5.92 | 1.47 | 1.42 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT495 | 1.05 | 0 | 15.55 | 1.72 | 1.07 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT496 | 1.05 | 0 | 7.62 | 1.51 | 2.10 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT497 | 1.21 | 0 | 9.65 | 3.52 | 1.16 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT498 | 1.23 | 0 | 13.83 | 3.70 | 2.87 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT499 | 0.68 | 0 | 11.46 | 3.20 | 1.54 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |

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Attention: Jennifer Burgess
PO #/Project: SM04.44/99653F
Samples: 70

Report No: 04-900
Date: January 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | Picroilm+ Counts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SHT500 | 0.73 | 3.95 | 17.74 | 1.08 | 2.51 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT502 | 0.86 | 0 | 5.41 | 1.31 | 2.82 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT503 | 1.29 | 0 | 9.81 | 3.29 | 2.67 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT504 | 0.49 | 0 | 6.58 | 3.50 | 2.58 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT505 | 0.54 | 0 | 8.56 | 1.35 | 1.41 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT506 | 0.52 | 0 | 9.21 | 2.58 | 1.62 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT507 | 0.53 | 0 | 12.49 | 2.58 | 1.31 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT508 | 0.18 | 0 | 2.18 | 0.97 | 0.99 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT522 | 1.70 | 0 | 8.21 | 3.13 | 2.74 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT523 | 1.41 | 0 | 9.45 | 2.67 | 1.59 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT524 | 0.76 | 0 | 6.69 | 1.07 | 2.14 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT525 | 2.06 | 0 | 11.24 | 1.98 | 2.14 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT526 | 0.91 | 0 | 9.25 | 1.87 | 2.59 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT527 | 1.56 | 0 | 9.60 | 1.64 | 1.35 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT528 | 1.27 | 2.49 | 11.59 | 1.13 | 2.67 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT529 | 2.20 | 1.96 | 16.63 | 0.94 | 2.18 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT530 | 1.69 | 5.58 | 15.73 | 1.06 | 3.53 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT531 | 0.49 | 0 | 2.87 | 0.91 | 0.84 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT532 | 1.01 | 0 | 8.52 | 1.86 | 1.94 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT533 | 0.75 | 0 | 11.89 | 2.65 | 2.45 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT534 | 1.6 | 2.26 | 9.92 | 1.06 | 3.07 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT535 | 1.44 | 2.49 | 9.14 | 0.68 | 2.67 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT536 | 1.29 | 2.35 | 11.32 | 0.71 | 2.85 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT537 | 2.14 | 2.42 | 14.46 | 0.70 | 3.83 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT538 | 1.37 | 2.79 | 17.49 | 0.88 | 4.50 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT539 | 1.01 | 3.59 | 16.63 | 0.98 | 2.80 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT541 | 0.78 | 0 | 12.54 | 2.21 | 3.48 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT542 | 0.95 | 1.67 | 11.29 | 0.62 | 2.50 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT543 | 0.88 | 0 | 11.19 | 1.69 | 3.37 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT544 | 0.50 | 2.60 | 13.43 | 0.56 | 1.39 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.44/99653F
Samples: 70

Report No: 04-900
Date: January 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | Picroilm-Counts | Chr + Counts | Chr - Counts | LW Obs g | UP Obs g | Others Counts |
|---|---|---|---|---|---|---|
| 04SHT407 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT408 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT411 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT413 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT418 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT420 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT422 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT424 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT431 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT444 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT446 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT449 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT451 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT455 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT456 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT458 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT459 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT461 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT462 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT465 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT466 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT467 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT468 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT469 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT470 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT483 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT484 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT485 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT486 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT487 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT488 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT489 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT490 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT492 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT494 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT495 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT496 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT497 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT498 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT499 | N/R | N/R | N/R | N/R | N/R | N/R |

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.44/99653F
Samples: 70

Report No: 04-900
Date: January 14, 2005

## Kimberlite Indicator Minerals

| Sample Number | Picroilm- Counts | Chr + Counts | Chr - Counts | LW Obs g | UP Obs g | Others Counts |
|---|---|---|---|---|---|---|
| 04SHT500 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT502 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT503 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT504 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT505 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT506 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT507 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT508 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT522 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT523 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT524 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT525 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT526 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT527 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT528 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT529 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT530 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT531 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT532 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT533 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT534 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT535 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT536 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT537 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT538 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT539 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT541 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT542 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT543 | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT544 | N/R | N/R | N/R | N/R | N/R | N/R |

0's (zeroes) in the UP+ or UP- weight columns indicate that the sample was too small to be frantzed. The total weight of that fraction is recorded in the LW+ or LW- columns.

| Sample_Num | Total Weight _g | Pyr-p +_Counts | Pyr-p -_Counts | Pyr-e +_Counts | Pyr-e -_Counts | Olv +_Counts | Olv -_Counts | Cpx+_Counts | Cpx-_Counts | Picroilm+_Counts | Picroilm-_Counts | Chr +_Counts | Chr -_Counts | LW_total_OBS_g | LW_total_OBS_wt% | UP_total_OBS_g | UP_total_OBS_wt% | Date | Time | Obsv. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST584 | 18,83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,22 | 100 | 27,51 | 50 | 13/07/05 | 04:15 | Maurio |
| 04JST585 | 14,90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6,15 | 100 | 21,88 | 50 | 13/07/05 | 02:30 | Rubens |
| 04JST586 | 20,37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,60 | 100 | 51,88 | 50 | 13/07/05 | 03:30 | Vinicius |
| 04JST587 | 10,2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,90 | 100 | 25,40 | 100 | 08/07/05 | 03:00 | Paula |
| 04JST588 | 21 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8,00 | 100 | 34,00 | 100 | 13/07/05 | 02:05 | Anísio |
| 04JST570 | 20,04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,92 | 100 | 25,5 | 100 | 14/07/05 | 03:00 | Paula |
| 04JST571 | 14,4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2,04 | 100 | 24,4 | 50 | 14/07/05 | 02:10 | Rubens |
| 04JST626 | 17,51 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6,36 | 100 | 15,9 | 100 | 06/07/05 | 06:00 | Vinicius |
| 04JST629 | 18,31 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4,24 | 100 | 17,78 | 100 | 06/07/05 | 03:25 | Rubens |
| 04JST630 | 18,04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,88 | 100 | 23,16 | 100 | 06/07/05 | 04:50 | Marina |
| 04JST632 | 18,73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,60 | 100 | 15 | 100 | 06/07/05 | 04:00 | Anísio |
| 04JST633 | 20,53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4,28 | 100 | 29,00 | 50 | 14/07/05 | 04:00 | Debora |
| 04JST634 | 18,87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5,64 | 100 | 12,02 | 100 | 06/07/05 | 03:00 | Debora |
| 04JST635 | 11,28 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,10 | 100 | 11,6 | 100 | 06/07/05 | 04:10 | Lilia |
| 04JST636 | 13,05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 4,62 | 100 | 11,0 | 100 | 06/07/05 | 04:50 | Betânia |
| 04JST637 | 14,94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,03 | 100 | 18,22 | 100 | 07/07/05 | 03:00 | Paula |
| 04JST639 | 16,37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,43 | 100 | 13,24 | 100 | 07/07/05 | 05:00 | Fernanda |
| 04JST640 | 17,73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,44 | 100 | 24,18 | 100 | 07/07/05 | 02:55 | Rubens |
| 04JST646 | 12,01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,40 | 100 | 11,46 | 100 | 07/07/05 | 03:30 | Marina |
| 04JST652 | 23,87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18,68 | 100 | 4,71 | 73 | 15/07/05 | 04:30 | Paula |
| 04JST653 | 12,06 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 4,58 | 100 | 12,78 | 100 | 07/07/05 | 04:00 | Fernanda |
| 04JST654 | 18,44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,94 | 100 | 27,1 | 100 | 07/07/05 | 03:50 | Anísio |
| 04JST655 | 20,73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,86 | 100 | 24,1 | 100 | 07/07/05 | 06:00 | Betânia |
| 04JST656 | 16,03 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 2 | 3,26 | 100 | 21,46 | 100 | 07/07/05 | 06:00 | Betânia |
| 04JST657 | 11,45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3,88 | 100 | 7,22 | 100 | 08/07/05 | 05:00 | Simone |
| 04JST658 | 14,94 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 100 | 15,22 | 100 | 08/07/05 | 05:00 | Vinicius |
| 04JST661 | 7,16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,54 | 100 | 0 | 100 | 08/07/05 | 00:35 | Paula |
| 04JST662 | 15,23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,13 | 100 | 13,13 | 100 | 08/07/05 | 03:20 | Paula |
| 04JST665 | 18,28 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3,41 | 100 | 28,70 | 100 | 07/07/05 | 02:10 | Daniela |
| 04JST664 | 18,12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,72 | 100 | 14,38 | 100 | 08/07/05 | 02:40 | Rubens |
| 04SHT573 | 5,92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,05 | 100 | 8,46 | 100 | 08/07/05 | 01:25 | Paula |
| 04SHT575 | 15,69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5,46 | 100 | 14,64 | 100 | 08/07/05 | 04:45 | Debora |
| 04SHT577 | 11,93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,33 | 100 | 13,2 | 100 | 08/07/05 | 02:45 | Lilia |
| 04SHT578 | 2,32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,64 | 100 | 0 | 100 | 09/07/05 | 00:30 | Marina |
| 04SHT579 | 10,92 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4,34 | 100 | 7,82 | 100 | 09/07/05 | 02:35 | Anísio |
| 04SHT580 | 10,35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,18 | 100 | 12,58 | 100 | 09/07/05 | 01:35 | Rubens |
| 04SHT581 | 15,51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,16 | 100 | 11,86 | 100 | 09/07/05 | 05:15 | Marina |
| 04GMT143 | 12,80 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1,97 | 100 | 11,80 | 100 | 08/07/05 | 04:45 | Betânia |
| 04GMT144 | 9,90 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3,01 | 100 | 8,14 | 100 | 08/07/05 | 00:10 | Lilia |
| 04GMT145 | 14,79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0,31 | 100 | 18,78 | 100 | 08/07/05 | 02:15 | Rubens |
| 04SMT151 | 13,03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3,51 | 100 | 12,24 | 100 | 09/07/05 | 03:45 | Anísio |
| 04GMT152 | 10,87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,13 | 100 | 10,41 | 50 | 09/07/05 | 04:00 | Vinicius |
| 04GMT153 | 11,81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0,44 | 100 | 8,5 | 100 | 09/07/05 | 04:00 | Vinicius |
| 04GMT154 | 10,80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,06 | 100 | 18,5 | 100 | 08/07/05 | 00:10 | Paula |
| 04GMT155 | 10,71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,57 | 100 | 10,5 | 100 | 11/07/05 | 01:30 | Rubens |
| 04SMT156 | 4,83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0,62 | 100 | 4,08 | 100 | 11/07/05 | 00:50 | Paula |
| 04SMT157 | 5,18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,88 | 100 | 4,42 | 100 | 11/07/05 | 02:25 | Paula |
| 04SMT158 | 15,92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,72 | 100 | 10,88 | 100 | 11/07/05 | 00:05 | Rubens |
| 04GMT160 | 10,25 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 6,16 | 100 | 18,38 | 100 | 11/07/05 | 06:00 | Fernanda |
| 04SMT160 | 17,17 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,70 | 100 | 15,0 | 100 | 11/07/05 | 05:15 | Marina |
| 04GMT161 | 10,05 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2,50 | 100 | 20,02 | 100 | 11/07/05 | 00:00 | Vinicius |
| 04GMT162 | 14,32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,3 | 100 | 16,46 | 100 | 11/07/05 | 04:50 | Débora |
| 04GMT164 | 10,9 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1,01 | 100 | 10,02 | 100 | 11/07/05 | 00:50 | Anísio |
| 04GMT165 | 15,10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,67 | 100 | 15,0 | 100 | 11/07/05 | 00:00 | Vanessa |
| 04GMT166 | 14,20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4,03 | 100 | 12,14 | 100 | 11/07/05 | 04:20 | Betânia |
| 04GMT167 | 21,0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,02 | 100 | 30,00 | 50 | 13/07/05 | 01:50 | Regina |
| 04SMT168 | 10,08 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0,51 | 100 | 24,05 | 30 | 11/07/05 | 03:30 | Lilia |
| 04GMT173 | 13,83 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3,67 | 100 | 10,09 | 100 | 11/07/05 | 04:05 | Lilia |
| 04GMT174 | 13,05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,4 | 100 | 8,36 | 100 | 12/07/05 | 03:45 | Paula |
| 04SMT175 | 13,94 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2,04 | 100 | 20,74 | 100 | 12/07/05 | 05:05 | Rubens |
| 04GMT176 | 17,70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,88 | 100 | 32,88 | 100 | 12/07/05 | 05:00 | Fernanda |
| 04GMT178 | 12,88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,01 | 100 | 17,14 | 100 | 12/07/05 | 05:50 | Débora |
| 04GMT179 | 13,84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5,11 | 100 | 13,56 | 100 | 12/07/05 | 03:20 | Anísio |
| 04SMT180 | 20,80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,25 | 100 | 24,94 | 100 | 12/07/05 | 06:25 | Betânia |
| 04GMT181 | 18,87 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 8,92 | 100 | 18,49 | 50 | 15/07/05 | 04:00 | Anísio |
| 04GMT183 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,70 | 100 | 23,1 | 50 | 15/07/05 | 05:00 | Betânia |
| 04GMT184 | 16,28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,24 | 100 | 10,52 | 50 | 13/07/05 | 08:00 | Vanessa |
| 04SMT185 | 3,03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,17 | 100 | 0 | 100 | 13/07/05 | 06:20 | Paula |
| 04GMT188 | 19,99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 3,60 | 100 | 25,5 | 100 | 12/07/05 | 05:05 | Lilia |
| 04GMT190 | 16,85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2,57 | 100 | 11,56 | 100 | 13/07/05 | 02:40 | Paula |
| 04GMT191 | 17,76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 6,63 | 100 | 13,2 | 50 | 15/07/05 | 05:15 | Lilia |
| 04SMT192 | 14,62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3,1 | 100 | 20,00 | 50 | 14/07/05 | 04:30 | Fernanda |

Josiane Martins
LAAG Manager

July 21, 2005
*Patos de Minas - Brazil*

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.50/99653F
Samples: 72

**SRC Geoanalytical Laboratories**
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 04-945
Date: February 04, 2005

## Kimberlite Indicator Minerals

Column Header Details

Original Sample Weight in kilograms (SWT)
Mid Fraction -1.00+0.50MM Dry Weight in grams (MWT+)
Mid Fraction -0.50+0.25MM Dry Weight in grams (MWT-)
Permroll Mag -1.00+0.50MM Weight in grams (MAG+)
Permroll Mag -0.50+0.25MM Weight in grams (MAG-)

Permroll Non Mag -1.00+0.50MM Weight in grams (NMAG+)
Permroll Non Mag -0.50+0.25MM Weight in grams (NMAG-)
TBE Sinks SG>2.96 -1.00+0.50MM Weight in grams (TBES+)
TBE Sinks SG>2.96 -0.50+0.25MM Weight in grams (TBES-)
MI Floats SG<3.3 -1.00+0.50MM Weight in grams (MIF+)

MI Floats SG<3.3 -0.50+0.25MM Weight in grams (MIF-)
MI Sinks SG>3.3 -1.00+0.50MM Weight in grams (MIS+)
MI Sinks SG>3.3 -0.50+0.25MM Weight in grams (MIS-)
Ferro Mags -1.00+0.50mm Weight in grams (FM+)
Ferro Mags -0.50+0.25mm Weight in grams (FM-)

Frantz Upper -1.00+0.50mm Weight in grams (UP+)
Frantz Upper -0.50+0.25mm Weight in grams (UP-)
Frantz Lowers -1.00+0.50mm Weight in grams (LW+)
Frantz Lowers -0.50+0.25mm Weight in grams (LW-)
Pyrope Peridotitic Grains +0.5mm in Counts (Pyr-p +)

Pyrope Peridotitic Grains -0.5mm in Counts (Pyr-p -)
Pyrope Eclogitic Grains +0.5mm in Counts (Pyr-e +)
Pyrope Eclogitic Grains -0.5mm in Counts (Pyr-e -)
Chrome-Diopside Grains +0.5mm in Counts (Chr D +)
Chrome-Diopside Grains -0.5mm in Counts (Chr D -)

Olivine Grains +0.5mm in Counts (Olv +)
Olivine Grains -0.5mm in Counts (Olv -)
Lower Fraction +0.5 Observed Weight in grams (LW+Obs)
Lower Fraction +0.5 Observed Weight in % (LW+)
Lower Fraction -0.5 Observed Weight in grams (LW-Obs)

Lower Fraction -0.5 Observed Weight in % (LW-)
Lower Fraction Total Observed Weight in grams (LWT Obs)
Lower Fraction Total Observed Weight in % (LWT)
Picroilmenite Grains +0.5mm in Counts (Picroilm+)
Picroilmenite Grains -0.5mm in Counts (Picroilm-)

Chromite Grains +0.5mm in Counts (Chr +)
Chromite Grains -0.5mm in Counts (Chr -)
Upper Fraction +0.5 Observed Weight in grams (UP+Obs)
Upper Fraction +0.5 Observed Weight in % (UP+)
Upper Fraction -0.5 Observed Weight in grams (UP-Obs)

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**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.50/99653F
Samples: 72

Report No: 04-945
Date: February 04, 2005

## Kimberlite Indicator Minerals

Column Header Details

Upper Fraction -0.5 Observed Weight in % (UP-)
Upper Fraction Total Observed Weight in grams (UPT Obs)
Upper Fraction Total Observed Weight in % (UPT)
Other Indicator Grains in Counts (Others)
LW Fraction -0.250MM Not Observed Weight in grams (-0.250)

**Shear Minerals Ltd.**
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Report No: 04-945
Date: February 04, 2005

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| 04JST626 | 19.25 | 1218 | 2387 | 314 | 499 | 904 | 1893 | 27.13 | 57.93 | 24.79 | 42.63 | 2.31 | 15.25 | 0.56 |
| 04JST629 | 18.40 | 1637 | 2421 | 470 | 579 | 1175 | 1846 | 47.68 | 85.50 | 44.06 | 70.64 | 3.58 | 14.77 | 1.23 |
| 04JST630 | 19.00 | 1430 | 2811 | 310 | 503 | 1120 | 2315 | 24.33 | 48.06 | 21.89 | 32.32 | 2.42 | 15.66 | 0.53 |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| 04JST652 | 18.05 | 578 | 1165 | 209 | 309 | 369 | 865 | 93.16 | 104.79 | 79.31 | 92.97 | 13.65 | 11.76 | 0.46 |
| 04JST653 | 17.45 | 1178 | 2257 | 178 | 269 | 1011 | 2001 | 22.67 | 39.46 | 20.46 | 29.51 | 2.17 | 9.92 | 0.33 |
| 04JST654 | 18.85 | 1412 | 2699 | 171 | 252 | 1249 | 2444 | 16.80 | 42.13 | 14.38 | 25.97 | 2.39 | 16.11 | 0.37 |
| 04JST655 | 17.80 | 1387 | 3132 | 206 | 397 | 1190 | 2715 | 31.37 | 83.94 | 28.93 | 65.18 | 2.39 | 18.40 | 0.37 |
| 04JST656 | 19.15 | 1758 | 2782 | 241 | 278 | 1517 | 2504 | 23.85 | 36.92 | 20.80 | 23.82 | 3.00 | 13.07 | 0.58 |
| 04JST657 | 18.55 | 1148 | 1435 | 217 | 248 | 930 | 1186 | 44.55 | 86.26 | 42.06 | 77.00 | 2.42 | 9.06 | 0.92 |
| 04JST658 | 19.30 | 2205 | 2649 | 413 | 305 | 1792 | 2343 | 18.21 | 57.88 | 15.99 | 45.06 | 2.20 | 12.79 | 0.89 |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| 04SHT573 | 11.15 | 801 | 1666 | 168 | 296 | 633 | 1387 | 10.86 | 26.68 | 10.02 | 21.52 | 0.82 | 5.15 | 0.13 |
| 04SHT575 | 14.30 | 2494 | 4062 | 626 | 917 | 1882 | 3156 | 23.04 | 68.12 | 21.42 | 53.94 | 1.58 | 14.14 | 0.33 |
| 04SHT577 | 20.80 | 1425 | 1625 | 340 | 335 | 1102 | 1307 | 25.77 | 34.00 | 22.59 | 25.17 | 3.16 | 8.79 | 0.54 |
| 04SHT578 | 11.35 | 5504 | 2100 | 1253 | 392 | 4268 | 1726 | 35.11 | 20.03 | 33.90 | 18.85 | 1.17 | 1.15 | 0.30 |
| 04SHT579 | 16.55 | 1275 | 1665 | 373 | 472 | 920 | 1208 | 27.05 | 37.65 | 24.29 | 29.36 | 2.72 | 8.23 | 0.74 |
| 04SHT580 | 15.25 | 2142 | 1930 | 361 | 410 | 1781 | 1536 | 26.88 | 42.75 | 24.86 | 34.28 | 1.97 | 8.42 | 0.42 |
| 04SHT581 | 16.65 | 2778 | 2983 | 660 | 531 | 2135 | 2462 | 43.83 | 76.47 | 40.23 | 64.38 | 3.56 | 11.95 | 0.82 |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |

**Shear Minerals Ltd.**
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Report No: 04-945
Date: February 04, 2005

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SMT151 | 19.20 | 848 | 2888 | 844 | 488 | 785 | 1888 | 84.84 | 55.88 | 18.54 | 18.84 | 1.74 | 14.88 | 0.85 |
| 04SMT152 | 17.18 | 1888 | 1887 | 281 | 184 | 1288 | 1188 | 82.88 | 52.88 | 28.24 | 84.18 | 1.85 | 18.17 | 1.48 |
| 04SMT153 | 14.88 | 888 | 1885 | 285 | 177 | 758 | 1848 | 84.88 | 18.88 | 18.58 | 84.88 | 1.47 | 8.84 | 0.18 |
| 04SMT154 | 18.75 | 1288 | 1185 | 248 | 287 | 888 | 1288 | 88.88 | 18.28 | 27.24 | 88.88 | 0.82 | 18.12 | 1.18 |
| 04SMT155 | 18.18 | 1285 | 1885 | 284 | 888 | 1848 | 1555 | 18.88 | 118.74 | 14.87 | 187.58 | 1.18 | 8.88 | 0.45 |
| 04SMT156 | 14.25 | 581 | 1554 | 84 | 288 | 158 | 1828 | 84.18 | 54.88 | 88.78 | 18.88 | 8.12 | 1.12 | 8 |
| 04SMT157 | 18.75 | 848 | 2885 | 52 | 782 | 884 | 8878 | 81.88 | 172.88 | 81.88 | 187.14 | 8.15 | 5.85 | 8 |
| 04SMT158 | 17.18 | 1252 | 1884 | 274 | 118 | 878 | 1848 | 28.84 | 18.78 | 21.87 | 88.84 | 2.78 | 15.18 | 1.88 |
| 04SMT159 | 14.28 | 811 | 1848 | 185 | 884 | 717 | 1848 | 28.18 | 88.88 | 21.15 | 88.18 | 1.84 | 17.87 | 0.58 |
| 04SMT160 | 15.88 | 822 | 1784 | 188 | 277 | 884 | 1122 | 22.88 | 88.88 | 28.88 | 18.88 | 2.88 | 18.88 | 0.78 |
| 04SMT161 | 18.85 | 1884 | 2188 | 188 | 288 | 844 | 1885 | 18.88 | 58.78 | 18.88 | 28.18 | 1.84 | 14.85 | 0.18 |
| 04SMT162 | 18.18 | 1844 | 2887 | 284 | 888 | 858 | 1888 | 85.88 | 47.58 | 88.18 | 85.44 | 0.18 | 18.88 | 0.75 |
| 04SMT163 | 14.55 | 1848 | 2144 | 248 | 858 | 888 | 1788 | 84.88 | 88.57 | 84.58 | 58.18 | 0.84 | 18.18 | 0.85 |
| 04SMT164 | 14.18 | 1884 | 2864 | 878 | 178 | 858 | 1588 | 18.55 | 78.58 | 18.14 | 85.88 | 0.87 | 18.78 | 0.78 |
| 04SMT165 | 17.85 | 1188 | 2888 | 848 | 184 | 884 | 1888 | 88.88 | 54.58 | 84.84 | 18.88 | 1.84 | 18.84 | 0.67 |
| 04SMT167 | 17.75 | 2888 | 2844 | 885 | 285 | 2887 | 1728 | 82.14 | 82.18 | 28.54 | 24.88 | 5.84 | 27.88 | 0.85 |
| 04SMT168 | 16.85 | 1864 | 2888 | 884 | 285 | 1788 | 2578 | 84.18 | 58.88 | 28.88 | 82.78 | 0.78 | 28.88 | 0.87 |
| 04SMT169 | 15.78 | 1848 | 1888 | 178 | 178 | 1178 | 1154 | 18.18 | 88.45 | 18.54 | 14.84 | 0.84 | 14.88 | 0.58 |
| 04SMT170 | 18.85 | 888 | 1888 | 185 | 175 | 184 | 888 | 12.88 | 85.88 | 18.78 | 24.78 | 2.28 | 18.88 | 0.84 |
| 04SMT171 | 14.88 | 1884 | 2187 | 178 | 854 | 1844 | 2884 | 88.78 | 44.88 | 18.88 | 88.87 | 0.84 | 14.88 | 0.88 |
| 04SMT172 | 18.15 | 858 | 1884 | 184 | 188 | 888 | 844 | 14.18 | 85.85 | 18.18 | 18.88 | 1.87 | 18.75 | 0.47 |
| 04SMT173 | 18.85 | 875 | 1888 | 184 | 888 | 718 | 1885 | 18.58 | 84.88 | 18.84 | 88.58 | 1.78 | 14.18 | 0.58 |
| 04SMT174 | 18.85 | 1854 | 1587 | 175 | 888 | 1877 | 1858 | 18.88 | 28.28 | 14.17 | 17.88 | 2.88 | 14.18 | 0.52 |
| 04SMT175 | 18.18 | 1281 | 2782 | 244 | 188 | 1818 | 2288 | 28.77 | 78.88 | 28.87 | 82.72 | 2.88 | 18.24 | 0.84 |
| 04SMT176 | 22.18 | 2118 | 2847 | 274 | 884 | 1842 | 2888 | 88.88 | 58.85 | 88.18 | 88.87 | 1.57 | 18.88 | 0.78 |
| 04SMT180 | 24.88 | 1844 | 8188 | 288 | 828 | 1518 | 2824 | 58.24 | 54.75 | 28.58 | 55.88 | 3.85 | 19.88 | 1.88 |
| 04SMT181 | 28.58 | 1848 | 8188 | 255 | 848 | 1884 | 8788 | 28.88 | 58.18 | 28.84 | 88.27 | 8.84 | 18.84 | 0.78 |
| 04SMT183 | 22.28 | 4225 | 488 | 844 | 148 | 8878 | 888 | 88.88 | 88.88 | 58.88 | 28.57 | 1.78 | 1.84 | 0.88 |
| 04SMT188 | 18.45 | 1845 | 8148 | 884 | 858 | 1858 | 2858 | 84.88 | 88.87 | 88.88 | 44.18 | 2.47 | 16.47 | 0.91 |
| 04SMT189 | 18.45 | 1188 | 1848 | 188 | 888 | 848 | 1188 | 87.88 | 88.88 | 28.88 | 58.18 | 1.18 | 8.78 | 0.48 |
| 04SMT191 | 88.85 | 1888 | 8748 | 877 | 188 | 1188 | 2875 | 84.84 | 188.44 | 88.88 | 111.88 | 8.74 | 18.18 | 1.48 |
| 04SMT192 | 18.85 | 1182 | 2872 | 288 | 148 | 822 | 1888 | 25.84 | 85.74 | 28.24 | 18.84 | 2.88 | 18.18 | 0.18 |

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Report No: 04-945
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## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | LW+Obs g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~04JST564~~ | ~~1.79~~ | ~~0~~ | ~~10.84~~ | ~~0.88~~ | ~~1.28~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST565~~ | ~~1.19~~ | ~~0~~ | ~~11.19~~ | ~~1.04~~ | ~~1.04~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST566~~ | ~~0.59~~ | ~~0~~ | ~~9.09~~ | ~~1.19~~ | ~~1.59~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST567~~ | ~~0.66~~ | ~~0~~ | ~~10.79~~ | ~~1.07~~ | ~~1.04~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST568~~ | ~~1.76~~ | ~~0~~ | ~~15.08~~ | ~~1.57~~ | ~~1.62~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST570~~ | ~~0.19~~ | ~~0~~ | ~~10.75~~ | ~~0.19~~ | ~~0.79~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST571~~ | ~~0.85~~ | ~~0~~ | ~~10.87~~ | ~~1.85~~ | ~~0.88~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| 04JST626 | 2.64 | 0 | 7.95 | 1.73 | 4.63 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST629 | 3.95 | 0 | 8.89 | 2.34 | 1.90 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST630 | 2.05 | 0 | 11.58 | 1.87 | 2.01 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| ~~04JST632~~ | ~~2.03~~ | ~~0~~ | ~~6.59~~ | ~~1.88~~ | ~~5.08~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST633~~ | ~~7.82~~ | ~~0~~ | ~~10.08~~ | ~~2.79~~ | ~~4.59~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST634~~ | ~~0.81~~ | ~~0~~ | ~~9.11~~ | ~~1.18~~ | ~~0.88~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST635~~ | ~~0.88~~ | ~~0~~ | ~~5.88~~ | ~~0.88~~ | ~~1.11~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST636~~ | ~~2.18~~ | ~~0~~ | ~~8.08~~ | ~~1.57~~ | ~~0.85~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST637~~ | ~~0.89~~ | ~~0~~ | ~~9.11~~ | ~~1.17~~ | ~~0.89~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST638~~ | ~~0.11~~ | ~~0~~ | ~~9.08~~ | ~~0.88~~ | ~~0.18~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST639~~ | ~~0.81~~ | ~~0~~ | ~~10.58~~ | ~~1.81~~ | ~~1.57~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST640~~ | ~~0.88~~ | ~~0~~ | ~~5.74~~ | ~~1.22~~ | ~~0.13~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| 04JST652 | 0.62 | 2.51 | 3.11 | 10.67 | 8.01 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST653 | 0.76 | 0 | 6.39 | 1.83 | 2.75 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST654 | 1.58 | 0 | 13.55 | 1.98 | 0.96 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST655 | 1.45 | 0 | 12.05 | 2.01 | 4.85 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST656 | 1.46 | 0 | 10.73 | 2.41 | 0.85 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST657 | 3.04 | 0 | 3.61 | 1.50 | 2.38 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST658 | 3.44 | 0 | 7.61 | 1.31 | 1.69 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| ~~04JST661~~ | ~~5.18~~ | ~~0~~ | ~~0~~ | ~~0.91~~ | ~~1.28~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST662~~ | ~~1.84~~ | ~~0~~ | ~~8.88~~ | ~~1.41~~ | ~~2.71~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST663~~ | ~~0.88~~ | ~~0~~ | ~~44.88~~ | ~~2.46~~ | ~~1.95~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST664~~ | ~~2.72~~ | ~~0~~ | ~~7.18~~ | ~~1.72~~ | ~~1.88~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| 04SHT573 | 0.51 | 0 | 4.23 | 0.69 | 0.36 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT575 | 2.58 | 0 | 7.32 | 1.25 | 4.21 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT577 | 1.46 | 0 | 6.60 | 2.62 | 0.71 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT578 | 0.38 | 0 | 0 | 0.87 | 0.77 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT579 | 1.93 | 0 | 3.91 | 1.99 | 2.35 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT580 | 1.46 | 0 | 6.29 | 1.55 | 0.63 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT581 | 2.60 | 0 | 5.93 | 2.74 | 3.42 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| ~~04SMT108~~ | ~~3.77~~ | ~~0~~ | ~~5.58~~ | ~~0.52~~ | ~~1.38~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SMT144~~ | ~~0.44~~ | ~~0~~ | ~~4.87~~ | ~~1.08~~ | ~~1.08~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SMT145~~ | ~~2.71~~ | ~~0~~ | ~~8.88~~ | ~~1.11~~ | ~~1.17~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |

**Shear Minerals Ltd.**
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PO #/Project: SM04.50/99653F
Samples: 72

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Report No: 04-945
Date: February 04, 2005

## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g | Pyr-p + Counts | Pyr-p - Counts | Pyr-e + Counts | Pyr-e - Counts | Chr D + Counts | Chr D - Counts | Olv + Counts | Olv - Counts | LW+Obs g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SMT151 | 0.85 | 0 | 0.12 | 1.00 | 2.12 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT152 | 1.01 | 0 | 12.01 | 0.22 | 0.01 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT153 | 0.60 | 0 | 1.75 | 1.01 | 0.10 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT154 | 1.11 | 0 | 0.75 | 0.10 | 0.77 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT155 | 0.01 | 0 | 5.15 | 0.71 | 0.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT156 | 1.77 | 0 | 0.11 | 0.10 | 0.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT157 | 0.01 | 0 | 2.21 | 0.15 | 2.10 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT158 | 0.10 | 0 | 0.01 | 1.70 | 0.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT159 | 0.01 | 0 | 0.10 | 1.00 | 1.01 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT160 | 0.00 | 0 | 7.05 | 1.50 | 0.05 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT161 | 2.02 | 0 | 10.21 | 1.16 | 1.07 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT162 | 2.01 | 0 | 0.02 | 1.10 | 0.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT164 | 1.00 | 0 | 0.01 | 1.00 | 0.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT165 | 3.76 | 0 | 7.95 | 1.50 | 1.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT166 | 2.00 | 0 | 0.07 | 1.07 | 0.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT167 | 0.00 | 5.00 | 21.11 | 0.00 | 0.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT168 | 1.01 | 0 | 17.05 | 0.10 | 0.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT170 | 1.00 | 0 | 0.51 | 0.11 | 0.50 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT174 | 1.55 | 0 | 1.15 | 1.20 | 2.11 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT175 | 0.71 | 0 | 10.07 | 1.01 | 0.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT176 | 0.00 | 0 | 11.11 | 0.00 | 0.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT178 | 1.01 | 0 | 0.57 | 1.00 | 0.70 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT179 | 1.10 | 0 | 0.70 | 0.10 | 0.05 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT180 | 1.00 | 0 | 10.17 | 1.77 | 1.10 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT181 | 1.50 | 0 | 10.00 | 0.01 | 0.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT183 | 2.01 | 0 | 10.10 | 2.00 | 1.10 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT184 | 0.75 | 0 | 10.00 | 0.00 | 1.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT185 | 0.00 | 0 | 0 | 1.10 | 1.07 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT189 | 2.30 | 0 | 12.75 | 2.50 | 1.10 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT190 | 2.07 | 0 | 5.70 | 0.50 | 1.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT191 | 5.20 | 0 | 0.00 | 2.20 | 1.00 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT192 | 1.12 | 0 | 10.00 | 1.05 | 1.25 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |

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Report No: 04-945
Date: February 04, 2005

## Kimberlite Indicator Minerals

| Sample Number | LW+ % | LW-Obs g | LW- % | LWT Obs g | LWT % | Picroilm+ Counts | Picroilm- Counts | Chr + Counts | Chr - Counts | UP+Obs g | UP+ % | UP-Obs g | UP- % | UPT Obs g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~04JST564~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST565~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST566~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST567~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST568~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST569~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST570~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST574~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| 04JST626 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST629 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST630 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| ~~04JST632~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST633~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST634~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST635~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST636~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST637~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST638~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST639~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST640~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| 04JST652 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST653 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST654 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST655 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST656 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST657 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04JST658 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| ~~04JST661~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST662~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST663~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST664~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| 04SHT573 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT575 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT577 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT578 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT579 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT580 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SHT581 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| ~~04SMT108~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SMT111~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SMT115~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |

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Report No: 04-945
Date: February 04, 2005

## Kimberlite Indicator Minerals

| Sample Number | LW+ % | LW-Obs g | LW- % | LWT Obs g | LWT % | Picroilm+ Counts | Picroilm- Counts | Chr + Counts | Chr - Counts | UP+Obs g | UP+ % | UP-Obs g | UP- % | UPT Obs g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04SMT151 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT152 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT153 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT154 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT155 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT156 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT157 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT158 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT159 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT160 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT161 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT162 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT163 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT164 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT165 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT166 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT167 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT168 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT170 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT174 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT175 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT176 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT178 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT179 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT180 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT181 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT183 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT184 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT185 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT189 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT190 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT191 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |
| 04SMT192 | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R | N/R |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.50/99653F
Samples: 72

**SRC Geoanalytical Laboratories**
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Report No: 04-945
Date: February 04, 2005

## Kimberlite Indicator Minerals

| Sample Number | UPT % | Others Counts | -0.250 g |
|---|---|---|---|
| ~~04JST564~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST565~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST566~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST567~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST568~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST570~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST571~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| 04JST626 | N/R | N/R | N/R |
| 04JST629 | N/R | N/R | N/R |
| 04JST630 | N/R | N/R | N/R |
| ~~04JST632~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST633~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST634~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST635~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST636~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST637~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST638~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST639~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST640~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| 04JST652 | N/R | N/R | N/R |
| 04JST653 | N/R | N/R | N/R |
| 04JST654 | N/R | N/R | N/R |
| 04JST655 | N/R | N/R | N/R |
| 04JST656 | N/R | N/R | N/R |
| 04JST657 | N/R | N/R | N/R |
| 04JST658 | N/R | N/R | N/R |
| ~~04JST661~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST662~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST663~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04JST664~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| 04SHT573 | N/R | N/R | N/R |
| 04SHT575 | N/R | N/R | N/R |
| 04SHT577 | N/R | N/R | N/R |
| 04SHT578 | N/R | N/R | N/R |
| 04SHT579 | N/R | N/R | N/R |
| 04SHT580 | N/R | N/R | N/R |
| 04SHT581 | N/R | N/R | N/R |
| ~~04SHT143~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SHT144~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |
| ~~04SHT145~~ | ~~N/R~~ | ~~N/R~~ | ~~N/R~~ |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.50/99653F
Samples: 72

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Report No: 04-945
Date: February 04, 2005

## Kimberlite Indicator Minerals

| Sample Number | UPT % | Others Counts | -0.250 g |
|---|---|---|---|
| [redacted] | | | |

0's (zeroes) in the UP+ or UP- weight columns indicate that the sample was too small to be frantzed. The total weight of that fraction is recorded in the LW+ or LW- columns.

# APPENDIX 6d

# Picked Results ODM

Summary Picked Results ODM

| Sample | EASTING | NORTHING | ECL_ Total | CPX_ Total | OLV_T otal | ILM_T otal | CHR_ Total | Total_ KIMS | Total_ Kims_ noOl | Pyr_0 5_1m m | Ecl_ 05_1 mm | Cpx_0 5_1m m | Ilm_0 5_1m m | Chr_0 5_1m m | Olv_ 05_1 mm | Pyr_02 5_05m m | Ecl_ 025_ 05m | Cpx_ 025_0 5mm | Ilm_ 025_ 05m | Chr_0 25_05 mm | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST673 | 383888 | 7009744 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST675 | 385596 | 7008277 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST678 | 373811 | 7002639 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST679 | 373694 | 7008080 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST680 | 370923 | 7009774 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT622 | 350047 | 7015176 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT623 | 357384 | 7015098 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT624 | 354406 | 7014004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT628 | 354514 | 7005180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT629 | 356312 | 7006960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT630 | 360930 | 7009405 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT632 | 359717 | 7003527 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT633 | 359213 | 7000698 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT635 | 350670 | 7001017 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT636 | 350324 | 6996063 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT637 | 354800 | 6998152 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT638 | 358314 | 6998455 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT639 | 359443 | 6995716 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT640 | 357223 | 6994167 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT641 | 352220 | 6993464 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT642 | 349546 | 6990886 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT643 | 350475 | 6989671 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT644 | 355285 | 6990043 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT645 | 360233 | 6991111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04CLT146 | 367509 | 7006184 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04CLT147 | 367320 | 7003189 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04CLT148 | 363762 | 7005595 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04CLT149 | 362096 | 7003088 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04CLT150 | 364710 | 7010364 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04CLT152 | 366611 | 7012146 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04CLT153 | 372987 | 7014282 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04CLT154 | 369057 | 7012765 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST665 | 383030 | 7002917 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST415 | 416059 | 7019527 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST416 | 415319 | 7016095 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Summary Picked Results ODM

| Sample | EASTING | NORTHING | ECL_ Total | CPX_ Total | OLV_T otal | ILM_T otal | CHR_ Total | Total_ KIMS | Total_ Kims_ noOl | Pyr_0 5_1m m | Ecl_ 05_1 mm | Cpx_0 5_1m m | Ilm_0 5_1m m | Chr_0 5_1m m | Olv_ 05_1 mm | Pyr_02 5_05m m | Ecl_ 025_ 05m | Cpx_ 025_0 5mm | Ilm_ 025_ 05m | Chr_0 25_05 mm | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST433 | 405502 | 7021257 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST442 | 354522 | 7071209 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST450 | 353829 | 7060319 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST452 | 356719 | 7061623 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST454 | 364944 | 7062553 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST456 | 367327 | 7059368 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST457 | 367234 | 7063696 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST458 | 366555 | 7071078 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST459 | 370354 | 7069562 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST460 | 374453 | 7070244 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST461 | 369949 | 7065781 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST462 | 372556 | 7064769 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST463 | 372761 | 7061573 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST465 | 377830 | 7060342 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST466 | 383174 | 7058764 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST467 | 386194 | 7058958 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST469 | 379529 | 7070658 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST470 | 384430 | 7069265 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST471 | 388091 | 7067867 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST472 | 385886 | 7064527 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST475 | 377291 | 7065225 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.32/99653F
Samples: 73

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Report No: 04-729
Date: February 02, 2005

## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g |
|---|---|---|---|---|---|

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

~ = Samples were too small to frantz.
All sample concentrates were sent to ODM.

**OVERBURDEN DRILLING M**
**LABORATORY S.**
**KIMBERLITE INDICATOR**

Project: SM04.31
Filename: Shear Minerals - Burgess - SM04.31 - March2005
Total Number of Samples in this Report = 85

| Sample Number | Weight (g) | | | | | | | Selected MMSIMs | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total | 0.25-1.0 mm Heavy Liquid Separation S.G 3.20 | | | | | | 0.5 to 1.0 mm | | | 0.25 to 0.5 mm | | |
| | | | | Nonferromagnetic HMC | | | | | | | | | |
| | | Heavy Liquid Lights | Mag HMC | Total | <0.25 mm (wash) | 0.25 to 0.5 mm | 0.5 to 1.0 mm | Low-Cr diopside | Cpy | Gh | Low-Cr diopside | Cpy | Gh |
| | | * | * | | | | | | | | | | |
| 04JST-415 | 20.8 | 0.60 | 0.2 | 20.0 | 4.1 | 13.6 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-416 | 39.6 | 6.70 | 0.9 | 32.0 | 8.1 | 22.4 | 1.5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-433 | 20.7 | 0.20 | 2.0 | 18.5 | 3.3 | 12.8 | 2.4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-442 | 11.0 | 0.06 | 0.2 | 10.7 | 1.4 | 7.6 | 1.7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-450 | 19.8 | 0.50 | 3.6 | 15.7 | 1.8 | 9.6 | 4.3 | 0 | 0 | 0 | 0 | 2 | 0 |
| 04JST-452 | 14.1 | 0.10 | 0.6 | 13.4 | 2.1 | 8.8 | 2.5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-454 | 15.2 | 0.10 | 0.2 | 14.9 | 1.9 | 10.7 | 2.3 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04JST-456 | 15.5 | 0.10 | 0.3 | 15.1 | 2.1 | 10.8 | 2.2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-457 | 14.3 | 0.06 | 0.3 | 13.9 | 1.8 | 10.1 | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-458 | 17.3 | 0.20 | 0.2 | 16.9 | 4.6 | 11.1 | 1.2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-459 | 45.9 | 0.30 | 0.6 | 45.0 | 7.5 | 33.1 | 4.4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-460 | 20.9 | 0.10 | 0.3 | 20.5 | 3.0 | 14.7 | 2.8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-461 | 15.9 | 0.20 | 0.1 | 15.6 | 2.3 | 11.3 | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-462 | 13.9 | 0.10 | 0.1 | 13.7 | 4.0 | 8.9 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-463 | 18.4 | 0.10 | 0.2 | 18.1 | 2.7 | 13.0 | 2.4 | 0 | 1 | 0 | 0 | 0 | 0 |
| 04JST-465 | 15.8 | 0.10 | 0.2 | 15.5 | 2.4 | 11.0 | 2.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-466 | 21.7 | 0.05 | 0.3 | 21.3 | 5.4 | 14.6 | 1.3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-467 | 33.5 | 0.50 | 0.3 | 32.7 | 6.2 | 23.4 | 3.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-469 | 24.2 | 0.20 | 0.3 | 23.7 | 3.9 | 16.9 | 2.9 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-470 | 7.1 | 0.10 | 0.1 | 6.9 | 1.3 | 4.7 | 0.9 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-471 | 38.4 | 0.20 | 0.4 | 37.8 | 6.9 | 26.5 | 4.4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-472 | 24.0 | 0.20 | 0.3 | 23.5 | 4.8 | 15.7 | 3.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-475 | 16.1 | 0.20 | 0.2 | 15.7 | 5.9 | 9.6 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |

*Most sand and gravel (but few till) samples prescreened to <3.5 in the field.

**OVERBURDEN DRILLING M**
**LABORATORY S**
**KIMBERLITE INDICATOR**

Project: SM04.31
Filename: Shear Minerals - Burgess - SM04.31 - March2005
Total Number of Samples in this Report = 85

| | Weight (g) | | | | | | | Selected MMSIMs | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.25-1.0 mm Heavy Liquid Separation S.G 3.20 | | | | | | 0.5 to 1.0 mm | | | 0.25 to 0.5 mm | | |
| [redacted] | | | | | | | | | | | | | |
| 04SMT-074 | 11.7 | 0.1 | 1.2 | 10.4 | 1.5 | 7.0 | 1.0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04SMT-075 | 10.1 | 0.1 | 1.2 | 8.7 | 1.5 | 5.7 | 1.5 | 0 | 0 | 0 | 0 | 0 | 0 |
| [redacted] | | | | | | | | | | | | | |
| 04SMT-077 | 21.0 | 1.20 | 2.00 | 20.0 | 2.0 | 10.5 | 2.0 | 0 | 0 | 0 | 0 | 7 | 0 |
| [redacted] | | | | | | | | | | | | | |
| 04SMT-080 | 10.5 | 0.07 | 0.80 | 9.6 | 1.6 | 6.4 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| [redacted] | | | | | | | | | | | | | |
| 04SMT-089 | 7.0 | 0.04 | 1.10 | 6.7 | 1.1 | 4.0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| [redacted] | | | | | | | | | | | | | |
| 04SMT-095 | 10.5 | 0.10 | 0.00 | 8.1 | 2.0 | 1.0 | 1.5 | 0 | 0 | 0 | 0 | 1 | 0 |
| [redacted] | | | | | | | | | | | | | |
| 04SMT-103 | 3.5 | 0.05 | 0.80 | 4.5 | 1.1 | 2.0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| [redacted] | | | | | | | | | | | | | |
| 04SMT-114 | 11.0 | 0.10 | 1.50 | 10.0 | 1.0 | 0.1 | 1.7 | 0 | 0 | 0 | 1 | 1 | 0 |
| 04SMT-116 | 12.5 | 0.10 | 1.50 | 10.9 | 2.1 | 0.0 | 1.0 | 0 | 0 | 0 | 0 | 1 | 0 |
| [redacted] | | | | | | | | | | | | | |

*Most sand and gravel (but few till) samples prescreened to <3.5 in the field.

BHP

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**OVERBURDEN DRILLING M**
**LABORATORY S.**
**KIMBERLITE INDICATOR**

Project: SM04.31
Filename: Shear Minerals - Burgess - SM04.31 - March2005
Total Number of Samples in this Report = 85

| | Weight (g) | | | | | | | Selected MMSIMs | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.25-1.0 mm Heavy Liquid Separation S.G 3.20 | | | | | | 0.5 to 1.0 mm | | | 0.25 to 0.5 mm | | |
| ~~04SMT-123~~ | ~~20.4~~ | ~~0.20~~ | ~~3.00~~ | ~~16.2~~ | ~~4.1~~ | ~~0.6~~ | ~~2.6~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~1~~ | ~~0~~ | ~~0~~ |
| ~~04SMT-124~~ | ~~12.2~~ | ~~0.10~~ | ~~2.50~~ | ~~9.6~~ | ~~2.0~~ | ~~5.8~~ | ~~1.8~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~1~~ | ~~11~~ | ~~0~~ |
| ~~04SMT-129~~ | ~~10.1~~ | ~~0.07~~ | ~~2.18~~ | ~~8.2~~ | ~~1.8~~ | ~~1.8~~ | ~~1.8~~ | ~~0~~ | ~~1~~ | ~~0~~ | ~~0~~ | ~~10~~ | ~~0~~ |
| ~~04SMT-130~~ | ~~5.9~~ | ~~0.08~~ | ~~0.00~~ | ~~4.9~~ | ~~1.1~~ | ~~2.7~~ | ~~0.0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |
| ~~04SMT-131~~ | ~~9.6~~ | ~~0.04~~ | ~~2.00~~ | ~~7.6~~ | ~~1.7~~ | ~~4.7~~ | ~~1.2~~ | ~~1~~ | ~~0~~ | ~~0~~ | ~~2~~ | ~~2~~ | ~~0~~ |
| ~~04SMT-180~~ | ~~6.0~~ | ~~0.01~~ | ~~1.10~~ | ~~4.1~~ | ~~1.0~~ | ~~2.0~~ | ~~0.0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ | ~~0~~ |

* Values greater than 0.1 g were weighed only to one decimal place; the zero was added in the second decimal

*Most sand and gravel (but few till) samples prescreened to <3.5 in the field.

BHP

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**ANAGEMENT LIMITED**
**AMPLE LOG**
**MINERAL COUNTS**

| PseudoKIMs | | | | KIMs | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.5 to 1.0 mm | | 0.25 to 0.5 mm | | 0.5 to 1.0 mm | | | | | | 0.25 to 0.5 mm | | | | | | |
| CR | FO | CR | FO | GP | GO | DC | IM | CR | FO | GP | GO | DC | IM | CR | FO | Total KIMs |
| 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| [redacted] | | | | | | | | | | | | | | | | |

*Most sand and gravel (but few till) samples prescreened to <3.5 in the field.

BHP

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ANAGEMENT LIMITED
AMPLE LOG
MINERAL COUNTS

| PseudoKIMs | | KIMs | |
|---|---|---|---|
| 0.5 to 1.0 mm | 0.25 to 0.5 mm | 0.5 to 1.0 mm | 0.25 to 0.5 mm |
| [redacted] | | | |

*Most sand and gravel (but few till) samples prescreened to <3.5 in the field.

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.31/99653F
Samples: 85

**SRC Geoanalytical Laboratories**
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 04-707
Date: November 08, 2004

## Kimberlite Indicator Minerals

Column Header Details

Sample Weight in kilograms (SWT)
Mid Fraction -1.00+0.50MM Dry Weight in grams (MWT+)
Mid Fraction -0.50+0.25MM Dry Weight in grams (MWT-)
Permroll Mag -1.00+0.50MM Weight in grams (MAG+)
Permroll Mag -0.50+0.25MM Weight in grams (MAG-)

Permroll Non Mag -1.00+0.50MM Weight in grams (NMAG+)
Permroll Non Mag -0.50+0.25MM Weight in grams (NMAG-)
TBE Sinks SG>2.96 -1.00+0.50MM Weight in grams (TBES+)
TBE Sinks SG>2.96 -0.50+0.25MM Weight in grams (TBES-)
MI Floats SG<3.3 -1.00+0.50MM Weight in grams (MIF+)

MI Floats SG<3.3 -0.50+0.25MM Weight in grams (MIF-)
MI Sinks SG>3.3 -1.00+0.50MM Weight in grams (MIS+)
MI Sinks SG>3.3 -0.50+0.25MM Weight in grams (MIS-)
Ferro Mags -1.00+0.50mm Weight in grams (FM+)
Ferro Mags -0.50+0.25mm Weight in grams (FM-)

Frantz Upper -1.00+0.50mm Weight in grams (UP+)
Frantz Upper -0.50+0.25mm Weight in grams (UP-)
Frantz Lowers -1.00+0.50mm Weight in grams (LW+)
Frantz Lowers -0.50+0.25mm Weight in grams (LW-)

**Shear Minerals Ltd.**
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Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 04-707
Date: November 08, 2004

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST415 | 17.00 | 1554 | 2730 | 116 | 216 | 1438 | 2530 | 8.86 | 31.58 | 5.95 | 12.89 | 2.92 | 18.58 | 0.24 |
| 04JST416 | 14.40 | 738 | 1359 | 82 | 150 | 656 | 1224 | 8.83 | 53.79 | 7.65 | 15.00 | 1.18 | 38.60 | 0.19 |
| 04JST433 | 14.35 | 1368 | 2418 | 128 | 204 | 1240 | 2227 | 14.00 | 35.36 | 10.57 | 17.99 | 3.45 | 17.30 | 1.02 |
| 04JST442 | 12.65 | 1280 | 2113 | 87 | 115 | 1193 | 2015 | 3.10 | 13.47 | 1.86 | 3.75 | 1.26 | 9.73 | 0.12 |
| 04JST450 | 16.25 | 1309 | 2266 | 131 | 189 | 1202 | 2092 | 15.66 | 27.40 | 10.41 | 12.64 | 5.26 | 14.64 | 3.02 |
| 04JST452 | 18.55 | 1686 | 2936 | 93 | 147 | 1618 | 2805 | 5.78 | 17.86 | 3.41 | 6.07 | 2.38 | 11.77 | 0.23 |
| 04JST454 | 15.25 | 1490 | 2390 | 86 | 138 | 1386 | 2267 | 4.21 | 18.64 | 2.48 | 5.18 | 1.75 | 13.47 | 0.12 |
| 04JST456 | 14.35 | 1486 | 2360 | 80 | 132 | 1431 | 2244 | 4.01 | 19.66 | 2.49 | 5.68 | 1.50 | 13.99 | 0.13 |
| 04JST457 | 13.95 | 1280 | 2210 | 68 | 126 | 1235 | 2100 | 69.53 | 17.54 | 68.07 | 4.73 | 1.47 | 12.81 | 0.12 |
| 04JST458 | 14.90 | 840 | 3881 | 57 | 250 | 783 | 3646 | 56.76 | 25.57 | 55.70 | 9.16 | 0.99 | 16.35 | 0.08 |
| 04JST459 | 14.70 | 2145 | 2565 | 174 | 239 | 1995 | 2342 | 8.27 | 53.11 | 4.70 | 10.55 | 3.54 | 42.47 | 0.31 |
| 04JST460 | 14.63 | 1299 | 2198 | 75 | 129 | 1229 | 2086 | 5.09 | 23.90 | 2.55 | 5.45 | 2.51 | 18.45 | 0.20 |
| 04JST461 | 13.55 | 1436 | 2161 | 78 | 132 | 1384 | 2044 | 4.08 | 19.36 | 2.31 | 5.23 | 1.75 | 14.15 | 0.09 |
| 04JST462 | 14.80 | 1333 | 4336 | 62 | 210 | 1295 | 4143 | 2.03 | 22.07 | 1.41 | 8.70 | 0.59 | 13.35 | 0.03 |
| 04JST463 | 14.25 | 1592 | 2373 | 95 | 129 | 1475 | 2232 | 4.81 | 21.19 | 2.82 | 4.73 | 1.95 | 16.45 | 0.16 |
| 04JST465 | 13.90 | 1162 | 1810 | 61 | 91 | 1100 | 1712 | 60.50 | 17.70 | 58.54 | 3.59 | 1.63 | 14.09 | 0.13 |
| 04JST466 | 15.60 | 1378 | 2291 | 95 | 158 | 1281 | 2122 | 3.66 | 27.51 | 2.72 | 6.73 | 0.92 | 20.72 | 0.08 |
| 04JST467 | 14.45 | 2078 | 2404 | 96 | 128 | 1979 | 2266 | 6.41 | 46.94 | 3.70 | 15.93 | 2.68 | 30.87 | 0.19 |
| 04JST469 | 14.35 | 1465 | 2199 | 77 | 127 | 1386 | 2060 | 4.66 | 26.70 | 2.32 | 4.76 | 2.32 | 21.87 | 0.18 |
| 04JST470 | 14.75 | 559 | 1291 | 37 | 54 | 524 | 1225 | 36.13 | 62.00 | 35.45 | 55.78 | 0.62 | 6.49 | 0.04 |
| 04JST471 | 15.95 | 1699 | 2219 | 107 | 146 | 1592 | 2073 | 8.09 | 45.56 | 3.88 | 11.21 | 4.19 | 34.30 | 0.28 |
| 04JST472 | 13.85 | 1499 | 2213 | 78 | 139 | 1411 | 2063 | 5.30 | 27.18 | 2.79 | 5.64 | 2.47 | 21.53 | 0.15 |
| 04JST475 | 13.45 | 457 | 2483 | 35 | 137 | 421 | 2336 | 34.17 | 21.43 | 33.55 | 5.72 | 0.36 | 15.69 | ~ |

[redacted]

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.31/99653F
Samples: 85

**SRC Geoanalytical Laboratories**
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 04-707
Date: November 08, 2004

## Kimberlite Indicator Minerals

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.31/99653F
Samples: 85

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Report No: 04-707
Date: November 08, 2004

**Kimberlite Indicator Minerals**

| Sample Number | SWT kg | MWT+ g | MWT- g | MAG+ g | MAG- g | NMAG+ g | NMAG- g | TBES+ g | TBES- g | MIF+ g | MIF- g | MIS+ g | MIS- g | FM+ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~04SMT124~~ | ~~17.80~~ | ~~700~~ | ~~1639~~ | ~~270~~ | ~~416~~ | ~~515~~ | ~~1010~~ | ~~00.00~~ | ~~10.10~~ | ~~05.07~~ | ~~00.00~~ | ~~0.00~~ | ~~10.15~~ | ~~0.00~~ |
| ~~04SMT125~~ | ~~17.05~~ | ~~951~~ | ~~1000~~ | ~~207~~ | ~~400~~ | ~~000~~ | ~~1000~~ | ~~00.05~~ | ~~10.70~~ | ~~07.10~~ | ~~00.00~~ | ~~1.75~~ | ~~0.05~~ | ~~0.00~~ |
| ~~04SMT130~~ | ~~14.05~~ | ~~151~~ | ~~1174~~ | ~~400~~ | ~~005~~ | ~~000~~ | ~~945~~ | ~~11.55~~ | ~~25.53~~ | ~~10.59~~ | ~~20.58~~ | ~~0.05~~ | ~~4.01~~ | ~~0.18~~ |
| ~~04SMT131~~ | ~~15.05~~ | ~~977~~ | ~~1770~~ | ~~025~~ | ~~200~~ | ~~627~~ | ~~1384~~ | ~~21.23~~ | ~~10.39~~ | ~~10.02~~ | ~~32.06~~ | ~~1.32~~ | ~~8.21~~ | ~~0.26~~ |
| ~~04SMT138~~ | ~~16.35~~ | ~~1327~~ | ~~1135~~ | ~~278~~ | ~~010~~ | ~~1045~~ | ~~040~~ | ~~22.46~~ | ~~20.10~~ | ~~20.85~~ | ~~17.02~~ | ~~2.60~~ | ~~2.01~~ | ~~0.51~~ |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.31/99653F
Samples: 85

**SRC Geoanalytical Laboratories**
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Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 04-707
Date: November 08, 2004

## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g |
|---|---|---|---|---|---|
| 04JST415 | 0.67 | ~ | 16.26 | 2.66 | 1.59 |
| 04JST416 | 1.79 | ~ | 33.32 | 0.95 | 3.43 |
| 04JST433 | 1.89 | ~ | 13.38 | 2.39 | 2.01 |
| 04JST442 | 0.42 | ~ | 8.07 | 1.10 | 1.21 |
| 04JST450 | 3.29 | ~ | 10.34 | 2.18 | 0.97 |
| 04JST452 | 0.74 | ~ | 9.15 | 2.11 | 1.80 |
| 04JST454 | 0.55 | ~ | 11.91 | 1.58 | 0.96 |
| 04JST456 | 0.69 | ~ | 11.48 | 1.32 | 1.77 |
| 04JST457 | 0.56 | ~ | 11.24 | 1.32 | 0.95 |
| 04JST458 | 0.69 | ~ | 13.50 | 0.88 | 2.09 |
| 04JST459 | 1.41 | ~ | 38.63 | 3.19 | 2.37 |
| 04JST460 | 0.79 | ~ | 15.49 | 2.29 | 2.11 |
| 04JST461 | 0.53 | ~ | 12.14 | 1.62 | 1.43 |
| 04JST462 | 0.61 | ~ | 11.01 | 0.55 | 1.69 |
| 04JST463 | 0.69 | ~ | 14.82 | 1.77 | 0.89 |
| 04JST465 | 0.66 | ~ | 11.87 | 1.47 | 1.52 |
| 04JST466 | 0.99 | ~ | 17.17 | 0.82 | 2.49 |
| 04JST467 | 0.78 | ~ | 28.63 | 2.46 | 1.41 |
| 04JST469 | 0.77 | ~ | 18.73 | 2.11 | 2.33 |
| 04JST470 | 0.23 | ~ | 5.57 | 0.58 | 0.65 |
| 04JST471 | 1.11 | ~ | 29.96 | 3.91 | 3.18 |
| 04JST472 | 0.77 | ~ | 19.75 | 2.32 | 0.96 |
| 04JST475 | 0.64 | ~ | 13.68 | 0.36 | 1.33 |

[redacted]

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.31/99653F
Samples: 85

**SRC Geoanalytical Laboratories**
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Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 04-707
Date: November 08, 2004

## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g |
|---|---|---|---|---|---|
| [redacted] | | | | | |
| 04SMT118 | 2.31 | | 5.88 | 1.66 | [redacted] |
| 04SMT122 | 2.96 | | 5.03 | 1.68 | 3.04 |
| 04SMT123 | 5.07 | | 8.46 | 2.20 | [redacted] |

**Shear Minerals Ltd.**
Attention: Jennifer Burgess
PO #/Project: SM04.31/99653F
Samples: 85

**SRC Geoanalytical Laboratories**
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 04-707
Date: November 08, 2004

## Kimberlite Indicator Minerals

| Sample Number | FM- g | UP+ g | UP- g | LW+ g | LW- g |
|---|---|---|---|---|---|
| [redacted] | | | | | |
| [redacted] | | | | | |
| [redacted] | | | | | |
| [redacted] | | | | | |
| [redacted] | | | | | |

~ = Samples were too small to frantz.
All sample concentrates were sent to ODM.

**OVERBURDEN DRILLING MANAGEMENT LIMITED**
**LABORATORY SAMPLE LOG**
**KIMBERLITE INDICATOR MINERAL COUNTS**

Project: SM04.32
Filename: Shear Minerals - Burgess - SM04.32 - Nov 2004
Total Number of Samples in this Report = 73

Batch Number: see columns at right

| | Weight (g) | | | | | | | Selected MMSIMs | | | | | | PseudoKIMs | | | | KIMs | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.25-1.0 mm Heavy Liquid Separation S.G 3.20 | | | | | | 0.5 to 1.0 mm | | | 0.25 to 0.5 mm | | | 0.5 to 1.0 mm | | 0.25 to 0.5 mm | | 0.5 to 1.0 mm | | | | | | 0.25 to 0.5 mm | | | | | | |
| | | | | Nonferromagnetic HMC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Number | Total | Heavy Liquid Lights | Mag HMC | Total | <0.25 mm (wash) | 0.25 to 0.5 mm | 0.5 to 1.0 mm | Low-Cr diopside | Cpy | Gh | Low-Cr diopside | Cpy | Gh | CR | FO | CR | FO | GP | GO | DC | IM | CR | FO | GP | GO | DC | IM | CR | FO | Total KIMs |
| | | * | | | | | | | | | | ** | | | | | | | | | | | | | | | | | | |
| 04CLT-146 | 15.0 | 0.10 | 2.0 | 12.9 | 2.1 | 8.6 | 2.2 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04CLT-147 | 19.8 | 1.30 | 2.9 | 15.6 | 2.7 | 10.3 | 2.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04CLT-148 | 12.0 | 0.10 | 2.1 | 9.8 | 1.6 | 6.5 | 1.7 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04CLT-149 | 43.7 | 3.40 | 5.2 | 35.1 | 7.7 | 22.6 | 4.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04CLT-150 | 15.0 | 0.10 | 2.1 | 12.8 | 1.9 | 8.7 | 2.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04CLT-152 | 12.9 | 0.10 | 2.0 | 10.8 | 2.1 | 7.0 | 1.7 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04CLT-153 | 1.7 | 0.01 | 0.2 | 1.5 | 0.4 | 0.9 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04CLT-154 | 13.0 | 0.40 | 2.2 | 10.4 | 1.6 | 7.0 | 1.8 | 0 | 1 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-665 | 17.1 | 0.50 | 2.7 | 13.9 | 2.1 | 9.6 | 2.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-673 | 18.2 | 1.00 | 2.4 | 14.8 | 2.7 | 9.7 | 2.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-675 | 13.9 | 0.10 | 2.2 | 11.6 | 1.7 | 7.7 | 2.2 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-678 | 10.4 | 0.10 | 1.6 | 8.7 | 1.5 | 5.7 | 1.5 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-679 | 13.1 | 0.10 | 1.7 | 11.3 | 2.0 | 7.3 | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST-680 | 12.8 | 0.10 | 2.2 | 10.5 | 1.7 | 7.1 | 1.7 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| 04SHT-622 | 19.2 | 0.20 | 2.3 | 16.7 | 2.8 | 10.5 | 3.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-623 | 11.3 | 0.10 | 1.2 | 10.0 | 2.2 | 6.1 | 1.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-624 | 21.6 | 0.40 | 2.6 | 18.6 | 2.3 | 11.6 | 4.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-628 | 10.7 | 0.10 | 1.6 | 9.0 | 1.8 | 5.6 | 1.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-629 | 11.7 | 0.10 | 1.7 | 9.9 | 2.3 | 5.8 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-630 | 12.6 | 0.10 | 1.3 | 11.2 | 2.6 | 6.9 | 1.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-632 | 13.4 | 0.10 | 1.6 | 11.7 | 2.4 | 7.3 | 2.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-633 | 6.5 | 0.10 | 0.9 | 5.5 | 1.1 | 3.5 | 0.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-635 | 9.8 | 0.10 | 1.3 | 8.4 | 1.7 | 5.3 | 1.4 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-636 | 9.6 | 0.10 | 1.1 | 8.4 | 1.7 | 5.2 | 1.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-637 | 10.3 | 0.10 | 1.1 | 9.1 | 1.8 | 5.6 | 1.7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-638 | 11.8 | 0.30 | 1.3 | 10.2 | 2.3 | 6.3 | 1.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-639 | 13.9 | 0.20 | 2.0 | 11.7 | 2.2 | 7.7 | 1.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-640 | 18.1 | 0.30 | 2.0 | 15.8 | 2.3 | 9.8 | 3.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-641 | 26.2 | 1.10 | 2.6 | 22.5 | 3.2 | 17.0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-642 | 12.9 | 0.10 | 1.1 | 11.7 | 2.1 | 7.7 | 1.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-643 | 15.3 | 0.20 | 1.9 | 13.2 | 2.5 | 8.6 | 2.1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-644 | 24.0 | 0.60 | 2.8 | 20.6 | 3.8 | 13.1 | 3.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT-645 | 10.0 | 0.10 | 1.6 | 8.3 | 1.5 | 5.4 | 1.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |
| [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] |

**OVERBURDEN DRILLING MANAGEMENT LIMITED**
**LABORATORY SAMPLE LOG**
**KIMBERLITE INDICATOR MINERAL COUNTS**

Project: SM04.32
Filename: Shear Minerals - Burgess - SM04.32 - Nov 2004
Total Number of Samples in this Report = 73

Batch Number: see columns at right

| Sample Number | Weight (g) | | | | | | | Selected MMSIMs | | | | | | PseudoKIMs | | | | KIMs | | | | | | | | | | | | Total KIMs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Total | 0.25-1.0 mm Heavy Liquid Separation S.G 3.20 | | | | | | 0.5 to 1.0 mm | | | 0.25 to 0.5 mm | | | 0.5 to 1.0 mm | | 0.25 to 0.5 mm | | 0.5 to 1.0 mm | | | | | | 0.25 to 0.5 mm | | | | | | |
| | | | | Nonferromagnetic HMC | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Heavy Liquid Lights | Mag HMC | Total | <0.25 mm (wash) | 0.25 to 0.5 mm | 0.5 to 1.0 mm | Low-Cr diopside | Cpy | Gh | Low-Cr diopside | Cpy | Gh | CR | FO | CR | FO | GP | GO | DC | IM | CR | FO | GP | GO | DC | IM | CR | FO | |
| | | * | | | | | | | | | | ** | | | | | | | | | | | | | | | | | | |
| [redacted] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* Values greater than 0.1 g were weighed only to one decimal place; the zero was added in the second decimal position to facilitate column alignment.
** Numbers in brackets are estimated total indicator grains present in samples where not all of the grains were picked.

SRC Geoanalytical Laboratories
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Shear Minerals Ltd.
Attention: Jennifer Burgess
PO #/Project: SM04.46/99653F
Samples: 89

| | | | | | | + = -1.0 + 0.5 mm | - = -0.5 + 0.25 mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Sample weight | Deslimed weight | | Mags | | Non-mags | | leavy Liquid (TBE -SG 2.9 | avy Liquid (MI - SG < | avy Liquid | | |
| Group_no | Lab_report_no | Sample_ID | Date | Sample_Type | SWT_kg | MWT+_g | MWT-_g | MAG+_g | MAG-_g | NMAG+_g | NMAG-_g | TBES+_g | TBES-_g | MIF+_g | MIF-_g | MIS+_g |
| SM04.46 | 2004-929 | 04JST392 | 11-30-2004 | Solid | 14.85 | 1757 | 1555 | 175 | 200 | 1583 | 1356 | 14.51 | 28.54 | 8.44 | 8.86 | 6.07 |
| SM04.46 | 2004-929 | 04JST395 | 11-30-2004 | Solid | 17 | 716 | 1795 | 77 | 166 | 641 | 1632 | 76.33 | 16.65 | 74.96 | 7.96 | 1.12 |
| SM04.46 | 2004-929 | 04JST401 | 11-30-2004 | Solid | 15.25 | 1070 | 1495 | 120 | 160 | 624 | 1333 | 18.78 | 101.87 | 11.82 | 118.87 | 2.11 |
| SM04.46 | 2004-929 | 04JST402 | 11-30-2004 | Solid | 18.15 | 884 | 731 | 235 | 235 | 481 | 555 | 15.82 | 71.54 | 11.78 | 88.18 | 1.18 |
| SM04.46 | 2004-929 | 04JST403 | 11-30-2004 | Solid | 18.25 | 884 | 1882 | 382 | 150 | 576 | 1199 | 14.18 | 185.18 | 18.8 | 115.71 | 1.88 |
| SM04.46 | 2004-929 | 04JST404 | 11-30-2004 | Solid | 15.9 | 1280 | 1725 | 158 | 101 | 919 | 1269 | 18.15 | 187.57 | 18.88 | 118.78 | 2.08 |
| SM04.46 | 2004-929 | 04JST406 | 11-30-2004 | Solid | 18.15 | 700 | 808 | 237 | 315 | 273 | 579 | 18.16 | 79.13 | 16.13 | 72.7 | 1.74 |
| SM04.46 | 2004-929 | 04JST407 | 11-30-2004 | Solid | 18.5 | 528 | 1888 | 228 | 374 | 297 | 749 | 22.22 | 93.07 | 20.58 | 85.81 | 1.81 |
| SM04.46 | 2004-929 | 04JST408 | 11-30-2004 | Solid | 15.2 | 1883 | 1578 | 245 | 382 | 787 | 1351 | 17.38 | 188.88 | 15.63 | 92.69 | 1.81 |
| SM04.46 | 2004-929 | 04JST409 | 11-30-2004 | Solid | 14.2 | 708 | 1218 | 368 | 185 | 122 | 933 | 13.88 | 188.88 | 13.92 | 93.38 | 1.71 |
| SM04.46 | 2004-929 | 04JST500 | 11-30-2004 | Solid | 12.5 | 567 | 1050 | 234 | 374 | 335 | 680 | 11.87 | 114.07 | 10.6 | 106.85 | 1.24 |
| SM04.46 | 2004-929 | 04JST501 | 11-30-2004 | Solid | 14.5 | 708 | 825 | 258 | 208 | 508 | 418 | 38.82 | 82.92 | 33.17 | 81.09 | 0.44 |
| SM04.46 | 2004-929 | 04JST502 | 11-30-2004 | Solid | 18.8 | 811 | 1888 | 285 | 312 | 318 | 933 | 38.58 | 78.77 | 31.88 | 85.88 | 1.51 |
| SM04.46 | 2004-929 | 04JST503 | 11-30-2004 | Solid | 18.85 | 1221 | 1587 | 328 | 388 | 888 | 1288 | 31.82 | 188.18 | 28.88 | 82.25 | 0.88 |
| SM04.46 | 2004-929 | 04JST504 | 11-30-2004 | Solid | 12.85 | 887 | 818 | 225 | 218 | 595 | 691 | 21.11 | 17.88 | 20.15 | 12.12 | 0.88 |
| SM04.46 | 2004-929 | 04JST508 | 11-30-2004 | Solid | 15.15 | 1285 | 1881 | 188 | 158 | 888 | 1118 | 30.47 | 105.21 | 28.86 | 94.02 | 1.61 |
| SM04.46 | 2004-929 | 04JST510 | 11-30-2004 | Solid | 15.15 | 888 | 1718 | 284 | 325 | 785 | 1387 | 25.2 | 88.74 | 28.88 | 55.82 | 1.81 |
| SM04.46 | 2004-929 | 04JST519 | 11-30-2004 | Solid | 14.15 | 948 | 1522 | 253 | 281 | 888 | 1211 | 35.18 | 83.11 | 28.58 | 71.58 | 1.82 |
| SM04.46 | 2004-929 | 04JST532 | 11-30-2004 | Solid | 13.85 | 1042 | 1280 | 262 | 255 | 782 | 1138 | 31.88 | 72.85 | 31.78 | 84.7 | 2.18 |
| SM04.46 | 2004-929 | 04SHT435 | 11-30-2004 | Solid | 15.15 | 1718 | 2239 | 84 | 122 | 1637 | 2118 | 83.7 | 29.34 | 79.98 | 6.4 | 3.67 |
| SM04.46 | 2004-929 | 04SHT476 | 11-30-2004 | Solid | 15.9 | 1220 | 2158 | 72 | 139 | 1151 | 2019 | 72.11 | 32.39 | 70.01 | 8.89 | 2.16 |
| SM04.46 | 2004-929 | 04SHT481 | 11-30-2004 | Solid | 13.1 | 924 | 606 | 105 | 90 | 821 | 518 | 105.65 | 89.68 | 104.62 | 78.94 | 1.51 |
| SM04.46 | 2004-929 | 04SHT514 | 11-30-2004 | Solid | 20.5 | 2503 | 2828 | 124 | 156 | 2384 | 2676 | 10 | 26.89 | 5.32 | 6.12 | 4.68 |
| SM04.46 | 2004-929 | 04SHT520 | 11-30-2004 | Solid | 15.4 | 384 | 660 | 17 | 33 | 370 | 627 | 16.86 | 33.14 | 16.75 | 31.36 | 0.14 |
| SM04.46 | 2004-929 | 04SHT546 | 11-30-2004 | Solid | 18.7 | 1623 | 1749 | 111 | 126 | 1515 | 1625 | 10 | 21.15 | 8.19 | 12.83 | 1.82 |
| SM04.46 | 2004-929 | 04SHT557 | 11-30-2004 | Solid | 21.35 | 1786 | 3355 | 115 | 234 | 1676 | 3120 | 8.61 | 39.03 | 6.18 | 11.59 | 2.43 |
| SM04.46 | 2004-929 | 04SHT652 | 11-30-2004 | Solid | 15.8 | 184 | 547 | 43 | 163 | 91 | 358 | 18.88 | 18.87 | 12.82 | 14.87 | 0.84 |
| SM04.46 | 2004-929 | 04SHT656 | 11-30-2004 | Solid | 14.8 | 386 | 574 | 45 | 148 | 343 | 401 | 15.17 | 11.58 | 11.88 | 8.84 | 0.14 |
| SM04.46 | 2004-929 | 04SHT658 | 11-30-2004 | Solid | 18.8 | 888 | 518 | 75 | 115 | 288 | 401 | 75.88 | 16.8 | 74.21 | 12.37 | 1 |
| SM04.46 | 2004-929 | 04SHT659 | 11-30-2004 | Solid | 14.85 | 858 | 1187 | 182 | 255 | 178 | 815 | 18.24 | 18.84 | 18.82 | 34.67 | 2.34 |
| SM04.46 | 2004-929 | 04SHT662 | 11-30-2004 | Solid | 17.1 | 1287 | 1588 | 127 | 107 | 864 | 1156 | 38.87 | 58.88 | 28.82 | 82.85 | 1.81 |
| SM04.46 | 2004-929 | 04SHT667 | 11-30-2004 | Solid | 14.6 | 606 | 769 | 185 | 181 | 181 | 588 | 18.85 | 84.84 | 18.82 | 27.43 | 1.31 |
| SM04.46 | 2004-929 | 04SHT668 | 11-30-2004 | Solid | 18.2 | 177 | 323 | 41 | 87 | 134 | 235 | 41.06 | 88.42 | 41.71 | 87.07 | 0.12 |
| SM04.46 | 2004-929 | 04SMT394 | 11-30-2004 | Solid | 18.85 | 1881 | 1582 | 228 | 288 | 871 | 1321 | 28.88 | 18.88 | 18.26 | 36.63 | 1.58 |
| SM04.46 | 2004-929 | 04SMT395 | 11-30-2004 | Solid | 13.1 | 1072 | 1244 | 227 | 240 | 846 | 1003 | 28.77 | 27.6 | 18.78 | 28.88 | 1.88 |
| SM04.46 | 2004-929 | 04SMT396 | 11-30-2004 | Solid | 11.5 | 778 | 2814 | 184 | 192 | 588 | 1621 | 184.4 | 28.38 | 188.78 | 23.31 | 0.34 |
| SM04.46 | 2004-929 | 04SMT397 | 11-30-2004 | Solid | 15.85 | 2188 | 3888 | 157 | 882 | 2888 | 3078 | 18.85 | 112.82 | 18.42 | 188.85 | 0.82 |
| SM04.46 | 2004-929 | 04SMT398 | 11-30-2004 | Solid | 19.5 | 748 | 1868 | 184 | 188 | 558 | 888 | 11.74 | 28.48 | 18.8 | 22.72 | 1.12 |
| SM04.46 | 2004-929 | 04SMT399 | 11-30-2004 | Solid | 15.25 | 1226 | 1260 | 346 | 266 | 314 | 882 | 31.8 | 18.72 | 28.84 | 88.21 | 2.74 |
| SM04.46 | 2004-929 | 04SMT400 | 11-30-2004 | Solid | 13.65 | 2606 | 362 | 406 | 80 | 2204 | 277 | 30.62 | 79.96 | 28.63 | 78.27 | 0.98 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SM04.46 | 2004-929 | 04SMT401 | 11-30-2004 | Solid | 13.15 | 1213 | 1424 | 409 | 386 | 805 | [redacted] | 19.84 | 76.58 | 14.43 | 65.02 | 2.16 |
| SM04.46 | 2004-929 | 04SMT402 | 11-30-2004 | Solid | 14.55 | 722 | 1427 | 220 | 266 | 582 | [redacted] | 22.48 | 54.58 | 20.82 | 45.04 | 1.84 |
| SM04.46 | 2004-929 | 04SMT403 | 11-30-2004 | Solid | 11.7 | 888 | 815 | 179 | 188 | 504 | [redacted] | 19.77 | 84.63 | 18.5 | 86.7 | 1.24 |
| SM04.46 | 2004-929 | 04SMT404 | 11-30-2004 | Solid | 10.45 | 828 | 982 | 200 | 270 | 559 | [redacted] | 24.02 | 59.76 | 22.90 | 43.68 | 1.64 |
| SM04.46 | 2004-929 | 04SMT405 | 11-30-2004 | Solid | 10.85 | 798 | 1188 | 288 | 284 | 542 | [redacted] | 24.49 | 70.3 | 22.45 | 59.28 | 2.02 |
| SM04.46 | 2004-929 | 04SMT406 | 11-30-2004 | Solid | 11.15 | 891 | 879 | 181 | 212 | 498 | [redacted] | 26.80 | 59.53 | 25.12 | 42.12 | 1.75 |
| SM04.46 | 2004-929 | 04SMT407 | 11-30-2004 | Solid | 14 | 1202 | 887 | 412 | 288 | 828 | [redacted] | 27.28 | 59.47 | 24.41 | 42.12 | 2.85 |
| SM04.46 | 2004-929 | 04SMT408 | 11-30-2004 | Solid | 9.65 | 542 | 974 | 177 | 238 | 365 | [redacted] | 15.88 | 44.47 | 44.47 | 88.47 | 0.88 |
| SM04.46 | 2004-929 | 04SMT409 | 11-30-2004 | Solid | 14.35 | 692 | 212 | 202 | 63 | 400 | [redacted] | 23.26 | 62.74 | 23.05 | 62.21 | 0.26 |
| SM04.46 | 2004-929 | 04SMT410 | 11-30-2004 | Solid | 8.4 | 885 | 1257 | 240 | 289 | 624 | [redacted] | 23.70 | 65.24 | 22.2 | 56.04 | 1.57 |
| SM04.46 | 2004-929 | 04SMT411 | 11-30-2004 | Solid | 8.8 | 428 | 842 | 176 | 287 | 247 | [redacted] | 24.52 | 55.57 | 28.88 | 55.82 | 0.69 |
| SM04.46 | 2004-929 | 04SMT412 | 11-30-2004 | Solid | 10.5 | 588 | 888 | 188 | 172 | 387 | [redacted] | 21.7 | 42.87 | 28.78 | 88.27 | 0.84 |
| SM04.46 | 2004-929 | 04SMT413 | 11-30-2004 | Solid | 13.65 | 885 | 1154 | 311 | 309 | 374 | [redacted] | 28.88 | 59.18 | 27.06 | 51.86 | 1.84 |
| SM04.46 | 2004-929 | 04SMT414 | 11-30-2004 | Solid | 9.9 | 631 | 1120 | 249 | 237 | 382 | [redacted] | 31.88 | 88.18 | 29.88 | 77.16 | 1.5 |
| SM04.46 | 2004-929 | 04SMT415 | 11-30-2004 | Solid | 14.45 | 828 | 1035 | 261 | 265 | 566 | [redacted] | 28.05 | 58.13 | 26.67 | 51.34 | 1.23 |
| SM04.46 | 2004-929 | 04SMT416 | 11-30-2004 | Solid | 11.85 | 471 | 881 | 188 | 258 | 275 | [redacted] | 23.14 | 71.56 | 22.54 | 66.64 | 0.59 |
| SM04.46 | 2004-929 | 04SMT417 | 11-30-2004 | Solid | 12.9 | 805 | 1046 | 218 | 181 | 675 | [redacted] | 28.5 | 44.35 | 21.35 | 88.17 | 1.58 |
| SM04.46 | 2004-929 | 04SMT418 | 11-30-2004 | Solid | 12.85 | 1233 | 1270 | 246 | 288 | 947 | [redacted] | 24.21 | 79.27 | 22.7 | 72.21 | 1.6 |
| SM04.46 | 2004-929 | 04SMT419 | 11-30-2004 | Solid | 16.9 | 1023 | 1768 | 288 | 388 | 788 | [redacted] | 22.55 | 92.42 | 21.79 | 81.52 | 1.75 |
| SM04.46 | 2004-929 | 04SMT420 | 11-30-2004 | Solid | 13.85 | 979 | 1279 | 266 | 275 | 794 | [redacted] | 31.81 | 88 | 29.72 | 59.35 | 2.07 |
| SM04.46 | 2004-929 | 04SMT421 | 11-30-2004 | Solid | 8.75 | 782 | 788 | 188 | 182 | 562 | [redacted] | 13.54 | 24.39 | 11.74 | 19.25 | 1.79 |
| SM04.46 | 2004-929 | 04SMT422 | 11-30-2004 | Solid | 13.45 | 1079 | 1752 | 197 | 278 | 882 | [redacted] | 28.85 | 87 | 18.17 | 55.88 | 1.87 |
| SM04.46 | 2004-929 | 04SMT423 | 11-30-2004 | Solid | 10.7 | 527 | 1067 | 92 | 159 | 434 | [redacted] | 89.8 | 87.73 | 88.87 | 82.81 | 0.89 |
| SM04.46 | 2004-929 | 04SMT424 | 11-30-2004 | Solid | 12.5 | 1282 | 1611 | 293 | 242 | 998 | [redacted] | 27.03 | 61.93 | 24.98 | 51.41 | 2.06 |
| SM04.46 | 2004-929 | 04SMT425 | 11-30-2004 | Solid | 12.85 | 719 | 1135 | 195 | 243 | 524 | [redacted] | 51.11 | 112.72 | 58.18 | 108.67 | 0.59 |
| SM04.46 | 2004-929 | 04SMT426 | 11-30-2004 | Solid | 11.65 | 1742 | 1185 | 278 | 197 | 1474 | [redacted] | 33.18 | 56.25 | 30.51 | 45.07 | 2.62 |
| SM04.46 | 2004-929 | 04SMT428 | 11-30-2004 | Solid | 14.2 | 2317 | 273 | 306 | 75 | 1922 | [redacted] | 15.5 | 75.88 | 15.18 | 74.91 | 0.2 |
| SM04.46 | 2004-929 | 04SMT429 | 11-30-2004 | Solid | 12.85 | 917 | 1042 | 243 | 299 | 795 | [redacted] | 22.16 | 29.02 | 20.47 | 22.28 | 1.68 |
| SM04.46 | 2004-929 | 04SMT430 | 11-30-2004 | Solid | 13.2 | 1559 | 2084 | 397 | 342 | 1252 | [redacted] | 26.22 | 78.98 | 23.62 | 65.81 | 2.68 |
| SM04.46 | 2004-929 | 04SMT431 | 11-30-2004 | Solid | 15.8 | 728 | 1775 | 148 | 288 | 579 | [redacted] | 17.88 | 51.89 | 16.42 | 43 | 1.47 |
| SM04.46 | 2004-929 | 04SMT432 | 11-30-2004 | Solid | 8.8 | 588 | 713 | 218 | 208 | 367 | [redacted] | 15.88 | 38.48 | 13.45 | 25.52 | 1.83 |
| SM04.46 | 2004-929 | 04SMT433 | 11-30-2004 | Solid | 14.1 | 548 | 937 | 142 | 220 | 375 | [redacted] | 18.2 | 50.20 | 17.24 | 44.07 | 1.88 |
| SM04.46 | 2004-929 | 04SMT434 | 11-30-2004 | Solid | 12.55 | 761 | 931 | 155 | 294 | 606 | [redacted] | 20.98 | 48.88 | 21.98 | 38.94 | 2.01 |
| SM04.46 | 2004-929 | 04SMT435 | 11-30-2004 | Solid | 10.1 | 618 | 138 | 168 | 38 | 452 | [redacted] | 18.21 | 88.84 | 8.72 | 87.4 | 0.15 |
| SM04.46 | 2004-929 | 04SMT436 | 11-30-2004 | Solid | 12.8 | 714 | 1248 | 221 | 345 | 438 | [redacted] | 23.82 | 78.18 | 21.12 | 84.5 | 1.07 |
| SM04.46 | 2004-929 | 04SMT437 | 11-30-2004 | Solid | 12.75 | 847 | 1885 | 282 | 342 | 585 | [redacted] | 27.15 | 88.78 | 25.84 | 84.98 | 1.2 |
| SM04.46 | 2004-929 | 04SMT438 | 11-30-2004 | Solid | 18.85 | 1878 | 1828 | 188 | 478 | 1188 | [redacted] | 32.42 | 128.78 | 58.88 | 144.94 | 2.54 |
| SM04.46 | 2004-929 | 04SMT439 | 11-30-2004 | Solid | 14.45 | 732 | 1461 | 296 | 224 | 525 | [redacted] | 22.45 | 84.58 | 28.75 | 55.41 | 1.68 |
| SM04.46 | 2004-929 | 04SMT440 | 11-30-2004 | Solid | 14.7 | 1888 | 1488 | 284 | 295 | 788 | [redacted] | 27.84 | 55.44 | 25.69 | 45.99 | 2.42 |
| SM04.46 | 2004-929 | 04SMT441 | 11-30-2004 | Solid | 12.4 | 862 | 1639 | 202 | 312 | 660 | [redacted] | 18.8 | 48.44 | 17.98 | 38.88 | 1.8 |
| SM04.46 | 2004-929 | 04SMT442 | 11-30-2004 | Solid | 12.85 | 1884 | 1444 | 241 | 294 | 888 | [redacted] | 21.87 | 46.93 | 20.04 | 39.85 | 1.8 |
| SM04.46 | 2004-929 | 04SMT443 | 11-30-2004 | Solid | 15.8 | 1562 | 2511 | 330 | 478 | 1242 | [redacted] | 32.65 | 107.45 | 30.56 | 80.57 | 2.83 |
| SM04.46 | 2004-929 | 04SMT444 | 11-30-2004 | Solid | 16.5 | 3884 | 2535 | 560 | 440 | 2445 | [redacted] | 74.78 | 132.56 | 69.73 | 103.01 | 5.08 |
| SM04.46 | 2004-929 | 04SMT445 | 11-30-2004 | Solid | 14.5 | 1842 | 188 | 188 | 28 | 825 | [redacted] | 13.84 | 26.42 | 12.62 | 25.8 | 0.42 |
| SM04.46 | 2004-929 | 04SMT446 | 11-30-2004 | Solid | 12.8 | 1848 | 241 | 225 | 45 | 1128 | [redacted] | 9.96 | 44.81 | 8.87 | 44.25 | 0.48 |
| SM04.46 | 2004-929 | 04SMT447 | 11-30-2004 | Solid | 14.55 | 996 | 1218 | 258 | 275 | 737 | [redacted] | 24.64 | 45.5 | 21.62 | 35.42 | 2.08 |
| SM04.46 | 2004-929 | 04SMT448 | 11-30-2004 | Solid | 12.7 | 1852 | 888 | 384 | 211 | 1288 | [redacted] | 53.76 | 65.07 | 45.7 | 44.55 | 7.08 |
| SM04.46 | 2004-929 | 04SMT449 | 11-30-2004 | Solid | 15.85 | 1438 | 1885 | 247 | 350 | 891 | [redacted] | 28.28 | 77.59 | 26.88 | 88.18 | 1.8 |
| SM04.46 | 2004-929 | 04SMT450 | 11-30-2004 | Solid | 12.45 | 774 | 934 | 262 | 280 | 510 | [redacted] | 38.84 | 66.23 | 30.77 | 60.15 | 1.23 |

| (MI - SG>3 | Ferromags | | rantz Magnetic Separation at 0.37 amp<br>Upper Franz (oxide | Lower Franz (silicate | | | Grain counts | | | | | | | | | | | | Observed fraction in gram weight and calculat | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MIS-_g | FM+_g | FM-_g | UP+_g | UP-_g | LW+_g | LW-_g | pyr_+ | pyr_- | ecl_+ | ecl_- | cpx_+ | cpx_- | olv_+ | olv_- | ilm_+ | ilm_- | chr_+ | chr_- | UP+_OBS_g | UP+_OBS_wt% | UP-_OBS_g | UP-_OBS_wt% | LW+_OBS_g |
| 19.66 | 0.4 | 0.92 | 3.63 | 14.18 | 2.02 | 4.53 | | | | | | | | | | | | | 3.63 | 100 | 14.18 | 100 | 2.02 |
| 8.65 | 0.1 | 0.53 | 0 | 6.55 | 1.03 | 1.55 | | | | | | | | | | | | | 0 | 100 | 6.55 | 100 | 1.03 |
| [redacted] | | | | | | | | | | | | | | | | | | | | | | | |
| 0.86 | 0.54 | 1.64 | 0 | 2.86 | 0.8 | 1.84 | | | | | | | | 47 | | | | | 0 | 100 | 2.86 | 100 | 0.8 |
| [redacted] | | | | | | | | | | 2 | | | | 48 | | | | | 0 | 100 | 6.38 | 100 | 2.08 |
| [redacted] | | | | | | | | | | | | | 2 | 2 | | | | | 0 | 100 | 1.38 | 100 | 1.35 |
| [redacted] | | | | | | | | | | | | | | 6 | | | | | 0 | 100 | 2.08 | 100 | 0.64 |
| [redacted] | | | | | | | | | | | | | 1 | 10 | | | | | 0 | 100 | [redacted] | 100 | 1.14 |
| [redacted] | | | | | | | | | | 2 | | | | 18 | | | | | 0 | 100 | [redacted] | 100 | 1.12 |
| [redacted] | | | | | | | | | | | | | | 16 | | | | | 0 | 100 | [redacted] | 100 | 0.85 |
| [redacted] | 0 | 0.82 | 0 | 0 | 0.43 | 0.93 | | | | | | | | 3 | | | | | 0 | 100 | [redacted] | 100 | 0.43 |
| [redacted] | | | | | | | | | | | | | | 6 | | | | | 0 | 100 | [redacted] | 100 | 1.85 |
| [redacted] | | | | | | | | | | 1 | | | | 7 | | | | | 0 | 100 | [redacted] | 100 | 1.51 |
| [redacted] | 0 | 2.28 | 0 | 0 | 0.98 | 2.38 | | | | | | | | 2 | 2 | | 1 | | 0 | 100 | [redacted] | 100 | 0.98 |
| [redacted] | | | | | | | | | | | | | | 8 | | | | | 0 | 100 | [redacted] | 100 | 0.74 |
| [redacted] | | | | | | | | | | | | | 1 | 1 | | | | | 0 | 100 | [redacted] | 100 | 0.77 |
| [redacted] | | | | | | | | | | | | | | | | | | | 0 | 100 | [redacted] | 100 | 1.01 |
| [redacted] | | | | | | | | | | | 1 | | | | | | | | 0 | 100 | [redacted] | 100 | 1.7 |
| 22.9 | 0.15 | 0.76 | 0 | 18.25 | 3.5 | 3.86 | | | | | | | | | | | | | 0 | 100 | 18.25 | 100 | 3.5 |
| 23.49 | 0.11 | 0.84 | 0 | 19.25 | 2.03 | 3.37 | | | | | | | | | | | | 1 | 0 | 100 | 19.25 | 100 | 2.03 |
| 10.6 | 0.21 | 0.91 | 0 | 8.31 | 1.29 | 1.35 | | | | | | | | | | | | | 0 | 100 | 8.31 | 100 | 1.29 |
| 20.76 | 0.33 | 0.81 | 0 | 15.93 | 4.33 | 3.98 | | | | | | | | | | | | | 0 | 100 | 15.93 | 100 | 4.33 |
| 1.7 | 0 | 0.1 | 0 | 0 | 0.13 | 1.59 | | | | | | | | | | | | | 0 | 100 | 0 | 100 | 0.13 |
| 8.31 | 0.16 | 0.48 | 0 | 6.18 | 1.65 | 1.64 | | | | | | | | | | | | | 0 | 100 | 6.18 | 100 | 1.65 |
| 27.44 | 0.21 | 1.14 | 0 | 21.23 | 2.2 | 5.05 | | | | | | | | | | | | | 0 | 100 | 21.23 | 100 | 2.2 |
| [redacted] | | | | | | | | | | | | | | | 1 | | | | 0 | 100 | [redacted] | 100 | 0.31 |
| [redacted] | | | | | | | | | | | | | | | | | | | 0 | 100 | [redacted] | 100 | 0.18 |
| [redacted] | | | | | | | | | | | 2 | 1 | | | 3 | 4 | | | 0 | 100 | [redacted] | 100 | 0.7 |
| [redacted] | | | | | | | | | | | | | | 8 | 2 | | | | 0 | 100 | [redacted] | 100 | 1.43 |
| [redacted] | | | | | | | | | | | 1 | | | | | 1 | | | 0 | 100 | [redacted] | 100 | 1.8 |
| [redacted] | | | | | | | | | | | 2 | | | | 1 | | | | 0 | 100 | [redacted] | 100 | 0.9 |
| [redacted] | | | | | | | | | | | | | | | | | | | 0 | 100 | [redacted] | 100 | 0.12 |
| [redacted] | | | | | | | | | | | 15 | | | | | | | | 0 | 100 | [redacted] | 100 | 0.85 |
| [redacted] | | | | | | | | | | | 15 | | | | 1 | | | | 0 | 100 | [redacted] | 100 | 1.04 |
| [redacted] | | | | | | | | | | 1 | 10 | | 1 | | | | | | 0 | 100 | [redacted] | 100 | 0.64 |
| [redacted] | | | | | | | | | | 1 | 3 | | 1 | | | | | | 0 | 100 | [redacted] | 100 | 0.02 |
| [redacted] | | | | | | | | | | | 1 | | 2 | | | | | | 0 | 100 | [redacted] | 100 | 0.42 |
| [redacted] | | | | | | | | | | | | | | | | | | | 0 | 100 | [redacted] | 100 | 1.71 |
| [redacted] | | | | | | | | | | | | | | | | | | | 0 | 100 | [redacted] | 100 | 0.65 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11.49 | 0.88 | 4.48 | 0 | 4.54 | 1.26 | 2.76 | | | | | | | | 0 | 100 | 4.54 | 100 | 1.26 |
| 0.53 | 0.03 | 5.08 | 0 | 2.84 | 0.74 | 1.59 | | | | 1 | | 1 | | 0 | 100 | 2.84 | 100 | 0.74 |
| 4.93 | 0.69 | 2.78 | 0 | 0 | 0.56 | 2.17 | | | 1 | 2 | | 1 | | 0 | 100 | 0 | 100 | 0.56 |
| 7.02 | 0.81 | 3.68 | 0 | 2.22 | 0.78 | 1.09 | | 1 | | 2 | | | | 0 | 100 | 2.22 | 100 | 0.78 |
| 11 | 0.88 | 3.74 | 0 | 4.72 | 1.2 | 2.54 | | 1 | | | | | | 0 | 100 | 4.72 | 100 | 1.2 |
| 7.88 | 0.87 | 2.84 | 0 | 2.75 | 1.07 | 1.84 | 1 | | | | 2 | | | 0 | 100 | 2.75 | 100 | 1.07 |
| 7.34 | 1.14 | 3.46 | 0 | 2.11 | 1.69 | 1.76 | | | | | | | | 0 | 100 | 2.11 | 100 | 1.69 |
| 5.29 | 0 | 2.59 | 0 | 1.5 | 0.85 | 1.18 | | | | | | | | 0 | 100 | 1.5 | 100 | 0.85 |
| 6.15 | 0 | 3.25 | 0 | 0 | 0.26 | 0.19 | | | | | 11 | | | 0 | 100 | 0 | 100 | 0.26 |
| 9.24 | 0.75 | 4.24 | 0 | 2.28 | 0.8 | 1.69 | | | | 1 | 13 | | | 0 | 100 | 2.28 | 100 | 0.8 |
| 4.07 | 0 | 2.58 | 0 | 0.94 | 0.67 | 0.52 | | | | | | 2 | | 0 | 100 | 0.94 | 100 | 0.67 |
| 4.08 | 0 | 2.37 | 0 | 0 | 0.93 | 1.7 | | | | | | 1 | 1 | 0 | 100 | 0 | 100 | 0.93 |
| 7.23 | 0.78 | 3.24 | 0 | 2.18 | 1.81 | 1.88 | | | | 1 | 1 | | | 0 | 100 | 2.18 | 100 | 1.81 |
| 9.95 | 0.16 | 2.76 | 0 | 1 | 1.81 | 2.47 | | | | | 2 | | | 0 | 100 | 1 | 100 | 1.81 |
| 5.75 | 0.88 | 3.88 | 0 | 1.81 | 0.85 | 1.88 | | | | 1 | | | | 0 | 100 | 1.81 | 100 | 0.85 |
| 4.88 | 0 | 3.47 | 0 | 0 | 0.58 | 1.67 | | | 1 | 1 | 5 | 1 | | 0 | 100 | 0 | 100 | 0.58 |
| 6.15 | 0.61 | 2.36 | 0 | 1.9 | 0.92 | 1.88 | | | | 1 | | 1 | | 0 | 100 | 11.8 | 100 | 0.92 |
| 7.11 | 0.51 | 2.75 | 0 | 1.2 | 0.37 | 0.14 | | | | | | | | 0 | 100 | 1.2 | 100 | 0.37 |
| 11.82 | 0.68 | 4.51 | 0 | 4.21 | 1.04 | 3.07 | | 1 | | 1 | 8 | | | 0 | 100 | 1.81 | 100 | 1.81 |
| 9.61 | 0.73 | 3.53 | 0 | 3.57 | 1.39 | 2.46 | | | | | | | | 0 | 100 | 3.57 | 100 | 1.39 |
| 5.14 | 1.01 | 3.08 | 0 | 0 | 0.76 | 2.07 | | | | 1 | | | | 0 | 100 | 0 | 100 | 0.76 |
| 11.09 | 0.66 | 3.54 | 0 | 3.8 | 0.98 | 1.78 | | | | | | | | 0 | 100 | 3.8 | 100 | 0.98 |
| 6.74 | 0 | 2.68 | 0 | 1.72 | 0.88 | 1.14 | | | | 2 | | | | 0 | 100 | 1.72 | 100 | 0.88 |
| 18.5 | 1.11 | 5.48 | 0 | 3.81 | 3.03 | 1.79 | | | | | 28 | | | 0 | 100 | 3.81 | 100 | 3.03 |
| 6.55 | 0 | 1.88 | 0 | 1.88 | 0.58 | 0.88 | | | | | 2 | | | 0 | 100 | 1.88 | 100 | 0.58 |
| 10.27 | 1.13 | 4.06 | 0 | 3.23 | 1.48 | 1.96 | | | | 1 | 6 | | | 0 | 100 | 3.23 | 100 | 1.48 |
| 0.84 | 0 | 0.55 | 0 | 0 | 0.29 | 0.31 | | | | | | | | 0 | 100 | 0 | 100 | 0.29 |
| 6.62 | 0.73 | 2.98 | 0 | 2.02 | 0.91 | 1.61 | | | | | | | | 0 | 100 | 2.02 | 100 | 0.91 |
| 12.22 | 0.82 | 3.69 | 0 | 4.86 | 1.64 | 3.45 | | | 2 | 2 | 2 | | 1 | 0 | 100 | 4.86 | 100 | 1.84 |
| 8.61 | 0.56 | 2.95 | 0 | 4.13 | 0.89 | 1.69 | | | | 3 | | | | 0 | 100 | 4.13 | 100 | 0.89 |
| 4.92 | 0.56 | 1.95 | 0 | 1.69 | 1.23 | 1.06 | | | | 2 | | | | 0 | 100 | 1.69 | 100 | 1.23 |
| 5.1 | 0.88 | 3.1 | 0 | 2.31 | 0.69 | 1.25 | | | | | 3 | | | 0 | 100 | 2.31 | 100 | 0.69 |
| 6.7 | 0.75 | 3.04 | 0 | 3.52 | 1.23 | 2.11 | | | | | | | | 0 | 100 | 3.52 | 100 | 1.23 |
| 0.88 | 0 | 0.61 | 0 | 0 | 0.44 | 0.19 | | | | | | | | 0 | 100 | 0 | 100 | 0.44 |
| 8.58 | 0.9 | 4.36 | 0 | 2.47 | 0.75 | 1.72 | | | | 1 | 2 | 7 | | 0 | 100 | 2.47 | 100 | 0.75 |
| 10.7 | 0.5 | 4.08 | 0 | 3.21 | 0.78 | 3.07 | | | | 2 | | 2 | | 0 | 100 | 3.21 | 100 | 0.78 |
| 14.71 | 1.59 | 6.2 | 0 | 4.79 | 1.9 | 3.7 | | 1 | | | 5 | 15 | | 0 | 100 | 4.79 | 100 | 1.9 |
| 0 | 0.81 | 4.08 | 0 | 2.98 | 0.74 | 1.81 | | | | 4 | | 4 | | 0 | 100 | 2.98 | 100 | 0.74 |
| 10.2 | 0.87 | 4.51 | 0 | 3.98 | 1.13 | 1.78 | | | | | 1 | 1 | | 0 | 100 | 3.86 | 100 | 1.13 |
| 10.47 | 0.65 | 4.05 | 0 | 4.21 | 1.13 | 2.2 | | | 1 | 1 | | 1 | | 0 | 100 | 4.21 | 100 | 1.13 |
| 7.85 | 0.78 | 3.87 | 0 | 2.98 | 1 | 1.81 | | | | | | 8 | 1 | 1 0 | 100 | 2.98 | 100 | 1 |
| 10.78 | 1.1 | 3.81 | 0 | 11.87 | 1.96 | 1.85 | | 2 | | 2 | | 8 | | 0 | 100 | 11.87 | 100 | 1.96 |
| 9.5 | 1.71 | 5.25 | 0 | 3.85 | 3.29 | 1.98 | | | | | | | | 0 | 100 | 3.85 | 100 | 3.29 |
| 3.51 | 0 | 3.27 | 0 | 0 | 0.11 | 0.28 | | | | | 1 | | | 0 | 100 | 0 | 100 | 0.11 |
| 0.42 | 0 | 0.27 | 0 | 0 | 0.17 | 0.16 | | | | | | | | 0 | 100 | 0 | 100 | 0.17 |
| 10.88 | 0.7 | 4.29 | 0 | 1.17 | 2.25 | 1.58 | | | | | | | | 0 | 100 | 1.17 | 100 | 2.25 |
| 20.11 | 1.37 | 5.32 | 1.85 | 12.83 | 0.81 | 1.78 | | | | | | | 1 | 1.85 | 100 | 12.83 | 100 | 0.81 |
| 11.88 | 0.77 | 5.22 | 0 | 4.09 | 1.1 | 2.04 | | | | | | | | 0 | 100 | 1.88 | 100 | 1.1 |
| 8.08 | 0.81 | 3.77 | 0 | 1.36 | 0.59 | 0.9 | | 4 | | | 3 | 42 | | 0 | 100 | 1.36 | 100 | 0.59 |

ed %

| LW+_OBS_wt% | LW-_OBS_g | LW-_OBS_wt% |
|---|---|---|
| 100 | 4.53 | 100 |
| 100 | 1.55 | 100 |
| ~~100~~ | ~~2.55~~ | ~~100~~ |
| ~~100~~ | ~~1.15~~ | ~~100~~ |
| ~~100~~ | ~~1.84~~ | ~~100~~ |
| ~~100~~ | ~~8.18~~ | ~~100~~ |
| ~~100~~ | ~~8.18~~ | ~~100~~ |
| ~~100~~ | ~~1.84~~ | ~~100~~ |
| ~~100~~ | ~~1.7~~ | ~~100~~ |
| ~~100~~ | ~~1.74~~ | ~~100~~ |
| ~~100~~ | ~~1.19~~ | ~~100~~ |
| ~~100~~ | ~~0.95~~ | ~~100~~ |
| ~~100~~ | ~~1.74~~ | ~~100~~ |
| 100 | 4.02 | ~~100~~ |
| ~~100~~ | ~~2.33~~ | ~~100~~ |
| ~~100~~ | ~~2.26~~ | ~~100~~ |
| ~~100~~ | ~~2.11~~ | ~~100~~ |
| ~~100~~ | ~~1.33~~ | ~~100~~ |
| ~~100~~ | ~~1.27~~ | ~~100~~ |
| 100 | 3.86 | 100 |
| 100 | 3.37 | 100 |
| 100 | 1.35 | 100 |
| 100 | 3.98 | 100 |
| 100 | 1.59 | 100 |
| 100 | 1.64 | 100 |
| 100 | 5.05 | 100 |
| ~~100~~ | ~~1.74~~ | ~~100~~ |
| ~~100~~ | ~~1.19~~ | ~~100~~ |
| ~~100~~ | ~~0.74~~ | ~~100~~ |
| ~~100~~ | ~~2.01~~ | ~~100~~ |
| ~~100~~ | ~~2.17~~ | ~~100~~ |
| ~~100~~ | ~~1.7~~ | ~~100~~ |
| ~~100~~ | ~~0.7~~ | ~~100~~ |
| ~~100~~ | ~~2.35~~ | ~~100~~ |
| ~~100~~ | ~~1.65~~ | ~~100~~ |
| ~~100~~ | ~~1.18~~ | ~~100~~ |
| ~~100~~ | ~~1.88~~ | ~~100~~ |
| ~~100~~ | ~~2.01~~ | ~~100~~ |
| ~~100~~ | ~~2.51~~ | ~~100~~ |
| ~~100~~ | ~~1.19~~ | ~~100~~ |

| | | |
|---|---|---|
| 100 | 2.73 | 100 |
| 100 | 1.59 | 100 |
| 100 | 2.17 | 100 |
| 100 | 1.09 | 100 |
| 100 | 2.54 | 100 |
| 100 | 1.81 | 100 |
| 100 | 1.73 | 100 |
| 100 | 1.18 | 100 |
| 100 | 2.19 | 100 |
| 100 | 1.39 | 100 |
| 100 | 0.52 | 100 |
| 100 | 1.7 | 100 |
| 100 | 1.03 | 100 |
| 100 | 2.17 | 100 |
| 100 | 1.36 | 100 |
| 100 | 1.37 | 100 |
| 100 | 1.33 | 100 |
| 100 | 2.11 | 100 |
| 100 | 2.07 | 100 |
| 100 | 2.46 | 100 |
| 100 | 2.37 | 100 |
| 100 | 1.73 | 100 |
| 100 | 1.14 | 100 |
| 100 | 1.75 | 100 |
| 100 | 2.33 | 100 |
| 100 | 1.06 | 100 |
| 100 | 1.81 | 100 |
| 100 | 3.13 | 100 |
| 100 | 1.33 | 100 |
| 100 | 1.06 | 100 |
| 100 | 1.25 | 100 |
| 100 | 2.11 | 100 |
| 100 | 2.13 | 100 |
| 100 | 1.73 | 100 |
| 100 | 2.07 | 100 |
| 100 | 2.7 | 100 |
| 100 | 1.81 | 100 |
| 100 | 1.73 | 100 |
| 100 | 2.9 | 100 |
| 100 | 1.81 | 100 |
| 100 | 1.95 | 100 |
| 100 | 1.33 | 100 |
| 100 | 2.28 | 100 |
| 100 | 2.13 | 100 |
| 100 | 1.53 | 100 |
| 100 | 1.73 | 100 |
| 100 | 2.81 | 100 |
| 100 | 2.9 | 100 |

BHP

@

**IANAGEMENT LIMITED**
**AMPLE LOG**
**: MINERAL COUNTS**

| PseudoKIMs | | KIMs | | |
|---|---|---|---|---|
| 0.5 to 1.0 mm | 0.25 to 0.5 mm | 0.5 to 1.0 mm | 0.25 to 0.5 mm | |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

position to facilitate column alignment.

*Most sand and gravel (but few till) samples prescreened to <3.5 in the field.

# APPENDIX 7

## 2004 Microprobe Results

Baker Probed Results

| Sample | Easting | Northing | G10_05_1 | G10_025_05 | G10_TOT | G9_05_1 | G9_025_05 | G9_Tot | Peridotitic | Ecl_05_1 | Ecl_025_05 | Ecl_Tot |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST412 | 413888 | 7026021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST418 | 419812 | 7019074 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST428 | 412326 | 7027812 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST435 | 400766 | 7017254 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST437 | 416406 | 7041424 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST443 | 356617 | 7071805 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST448 | 358882 | 7065983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST453 | 360081 | 7061451 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST474 | 379649 | 7064020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST484 | 352306 | 7056629 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST487 | 356883 | 7051765 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST489 | 358286 | 7046938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST503 | 355814 | 7040615 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST504 | 355019 | 7042910 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| 04JST507 | 361709 | 7038431 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST514 | 354362 | 7018717 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST519 | 355490 | 7028355 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST522 | 363397 | 7027527 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST531 | 368747 | 7027298 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST538 | 364208 | 7043528 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST540 | 366470 | 7036590 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST549 | 404840 | 7036309 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT413 | 356038 | 7093405 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 04SHT417 | 363891 | 7088772 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT427 | 369344 | 7081808 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT467 | 411123 | 7053409 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT469 | 408282 | 7053400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| 04SHT476 | 415950 | 7035919 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT483 | 377258 | 7031032 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| 04SHT487 | 387369 | 7034704 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 04SHT491 | 376452 | 7033738 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT494 | 383060 | 7040905 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT507 | 374179 | 7054433 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 04SHT527 | 383241 | 7022042 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT528 | 384587 | 7023264 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04SHT540 | 392495 | 7023005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Baker Probed Results

| Sample | CPX_05_1 | CPX_025_ | CPX_Tot | Ilm_05_1 | Ilm_025_05 | Ilm_Tot | CHR_05_1 | CHR_025_05 | CHR_Tot | OLV_Tot_P | Total_noOl |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 04JST412 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 04JST418 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST428 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 04JST435 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| 04JST437 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 04JST443 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| 04JST448 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 04JST453 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 2 |
| 04JST474 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 04JST484 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST487 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 04JST489 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST503 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST504 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04JST507 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 |
| 04JST514 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 04JST519 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 04JST522 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST531 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 04JST538 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04JST540 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04JST549 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 04SHT413 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04SHT417 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 04SHT427 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| 04SHT467 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 04SHT469 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 04SHT476 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |  | 1 |
| 04SHT483 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04SHT487 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04SHT491 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 04SHT494 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 04SHT507 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 04SHT527 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 3 |
| 04SHT528 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 04SHT540 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |