



**TEMEX RESOURCES CORP.**  
141 Adelaide Street W., Suite 1000  
Toronto, Ontario M5H 3L5  
tel: 416-862-2246 fax: 416-862 2244  
website: [www.temexcorp.com](http://www.temexcorp.com)

2.32569

**Assessment Report on the**  
**Wilson Lake Diamond Project 2005**  
**Till Sampling Program**  
**Temagami-New Liskeard Area, Ontario**  
**Sudbury and Larder Lake Mining Divisions, Ontario**  
**NTS 31L/12, 31L/13, 31L/14, 31L/15, 31M/04 and 31M/05**



Bruce Craig Jago, Ph.D., P.Geol

May 30, 2006

## TABLE OF CONTENTS

1.0	Introduction .....	1
2.0	Property Description, Location and Access .....	1
3.0	Climate, Local Resources, Infrastructure and Physiography .....	2
4.0	Regional Geology .....	2
5.0	Current Work .....	10
5.1	Introduction .....	10
5.2	Sample Collection .....	10
5.3a	Sample Processing .....	10
5.3b	Mineral Selection.....	11
5.3c	Mineral Selection Quality Control.....	17
5.4	Data Archiving, Processing and Interpretation .....	19
5.4.1	KIM Dynamics Picking Results: KIM Data .....	19
5.4.2	Abrasion Study .....	19
5.4.3	Electron Microprobe Analysis of KIM Grains.....	19
5.4.4	Interpretation of Electron Microprobe Data: KIM Grains.....	20
5.4.5	Slimes Geochemistry.....	20
6.0	Conclusions and Recommendations.....	21
7.0	References .....	22
8.0	Statement of Qualifications.....	23

### List of Tables

		Page
Table 1	List of Doubly Observed Quality Control Samples	18
Table 2	Table 2: Summary of garnet parageneses and protoliths	20

### List of Figures

		Page
Figure 1	Location of Temagami Region and General Property Location	3
Figure 2a	Township Index Map showing distribution of subject claims and till samples in Firstbrook, Coleman and Kittson Townships	4
Figure 2b	Township Index Map showing distribution of subject claims and till samples in Gillies Limit and Brigstocke Townships	5
Figure 2c	Township Index Map showing distribution of subject till samples in Best, Gillies Limit and Cassels Townships	6
Figure 2d	Township Index Map showing distribution of subject till samples in Law Township	7
Figure 2e	Township Index Map showing distribution of subject till samples in Hartle Township	8
Figure 3a	Detailed map illustrating the location of till sample sites relative to claim boundaries in Kittson, Coleman and Firstbrook Townships	12
Figure 3b	Detailed map illustrating the location of till sample sites relative to claim boundaries in Gillies Limit and Brigstocke Townships	13
Figure 3c	Detailed map illustrating the location of till sample sites relative to claim boundaries in Best, Gillies Limit and Cassels Townships	14
Figure 3d	Detailed map illustrating the location of till sample sites relative to claim boundaries in Law Township	15
Figure 3e	Detailed map illustrating the location of till sample sites relative to claim boundaries in Hartle Township	16

## 1.0 Introduction

From May 2005 to November 2005, Temex Resources conducted a program of till sampling and concurrent prospecting for potentially diamond-bearing rock in the Temagami and New Liskeard Regions of northeastern Ontario (Figure 1). Samples generally were collected on Temex claims but some samples were collected as part of a regional program as a follow-up to regional surveys conducted by the Geological Survey of Canada (McClenaghan et al. 2001) and Ontario Geological Survey (Reid 2002). Sample collection and concurrent prospecting programs were conducted and supervised by Temex field personnel from a field office located in the community of Temagami North, Ontario.

All samples were processed by Vancouver Indicator Processors Inc. (VIPI) at their Burnaby, British Columbia laboratory whereas kimberlite indicator mineral (KIM) selection was performed by KIM Dynamics of North Vancouver, British Columbia. Electron microprobe analysis of KIMs was performed by Cyngus Consulting Inc. located on the Laval University campus in Quebec City, Quebec.

The work documented herein was performed on claims subject to the Participation Agreement (the "Agreement") with Teck Cominco Limited ("Teck Cominco") signed on November 30, 2005. This work is part of the \$750,000 Initial Program which is being funded by Teck Cominco; Temex is the operator during this phase. In accordance with the Agreement Teck Cominco has the option, on completion of the Initial Program, to elect to earn an initial 55% interest by expending \$3 million (inclusive of the initial program) over three years and an additional 10% by expending a further \$3 million over the next three years for a total of \$6 million.

## 2.0 Property Description, Location and Access

Temex's land-holdings in the Temagami-Latchford-Gowganda area consist of 26 property blocks for 485 claims and 141,583 acres whereas their holdings in the Temagami-Latchford area but not including Gowganda total 20 property blocks for 385 claims and 130,120 acres. Those claims that are subject to Temex's Participation Agreement with Teck Cominco Limited (see below) include 18 property blocks for 353 claims and 125,560 acres.

The 2005 sampling program occurred on a subset of claims subject to the Participation Agreement with Teck Cominco Limited and covers a roughly triangular-shaped area stretching from Law Township in the southwest, to Hartle Township in the southeast and Hudson Township in the north. Sampling occurred on portions of NTS map sheets 31L/12, 31L/13, 31L/14, 31L/15, 31M/04 and 31M/05 (Figs. 1 and 2a, 2b, 2c, 2d and 2e; Appendix A). The claims occur in the Sudbury and Larder Lake Mining Divisions and are recorded in the name of Temex Resources Corp. (Client #303055).

The Municipality of Temagami is centred approximately 100 km north of the city of North Bay, which is in turn located 450 km north of Toronto. New Liskeard is located a further 60 km north of Temagami on the northwestern shore of Lake Temiskaming.

The region encompassing the Wilson Lake Diamond Project is accessed via Trans Canada Highway 11, the major paved highway running north from North Bay through Temagami, New Liskeard and on to the Kirkland Lake area. The individual claim blocks are, for the most part, accessed via well-established secondary gravel roads traversing east or west from Highway 11 and various logging roads and trails, by boat and foot with walking distances to sample sites ranging from 0.5 to 3 km.

### 3.0 Climate, Local Resources, Infrastructure and Physiography

The climate of the property is continental in nature, with cold winters (-10°C to -35°C) and warm summers (+10°C to +40°C). Seasonal variations affect exploration to some extent (e.g. geological mapping cannot be done in the winter, geophysics and drilling are best done at certain times of the year depending on the nature of the terrain, etc.), but the climate would not significantly hamper mining operations.

The settlements of Sudbury, Timmins, Kirkland Lake and Cobalt are relatively close (Fig. 1); these all have the necessary equipment and trained personnel to support exploration and mining activities. The property has very good access to all infrastructure required for mining. A major hydro line, gas pipeline and railway traverse or are close to the properties, water is abundant, and the property area spans Highway 11. The mineral rights held by Temex give them the prerogative to mine ore discovered on their properties, subject to a 400' surface rights reservation around all lakes and rivers, and a 300' surface reservation around major roads (this may be waived by the Crown).

The properties have a gently rolling to locally rugged topography with maximum relief on the order of 100 m. Much of the region has been logged so present-day forests typically are second growth; mixtures of jackpine, spruce, birch and poplar are common. In the Cobalt-New Liskeard area, large tracts of land have been cleared for dairy and beef cattle farms or the growth of cash crops. Gravel resources are abundant in the area as evidenced by numerous sand and gravel pits developed on glaciofluvial deposits.

### 4.0 Regional Geology

The Temagami-New Liskeard region occurs within and adjacent to the Cobalt Embayment of the Southern Province, which occurs at the boundary between the Superior Province to the northwest and the Grenville Province to the southeast. The Archean Superior Province, represented in this area by the Abitibi subprovince, is dominated by orthogneisses and large intrusions, but also contains ultramafic to felsic volcanic and sedimentary rocks comprising so-called greenstone belts. The Grenville Province contains rocks that were complexly deformed and metamorphosed during a series of orogenic events that culminated at approximately 1.1 Ga, probably as a result of northwest-directed thrusting and imbrication (Easton, 1992). The Grenville Front Tectonic Zone (GFTZ) is accepted as the surface expression of the northwest boundary of the Grenville Province. The Southern Province in this area consists of the 2.5 to 2.2 Ga Huronian Supergroup comprising the Elliot Lake, Hough Lake, Quirke Lake and Cobalt Groups, all of which are predominantly sedimentary and intruded by dykes and sills of 2219 Ma Nipissing diabase (Bennett et al., 1991). The Huronian Supergroup unconformably overlies the Superior province although windows of Superior Province greenstone belts are exposed within the Cobalt Embayment and these have been proved to be high potential targets from the point of view of base and precious metal exploration. Phanerozoic-aged clastic sediments are found to the north and northwest of New Liskeard generally in fault-bounded basins that also are the sites of thick sequences of Quaternary-aged glacial sediments.

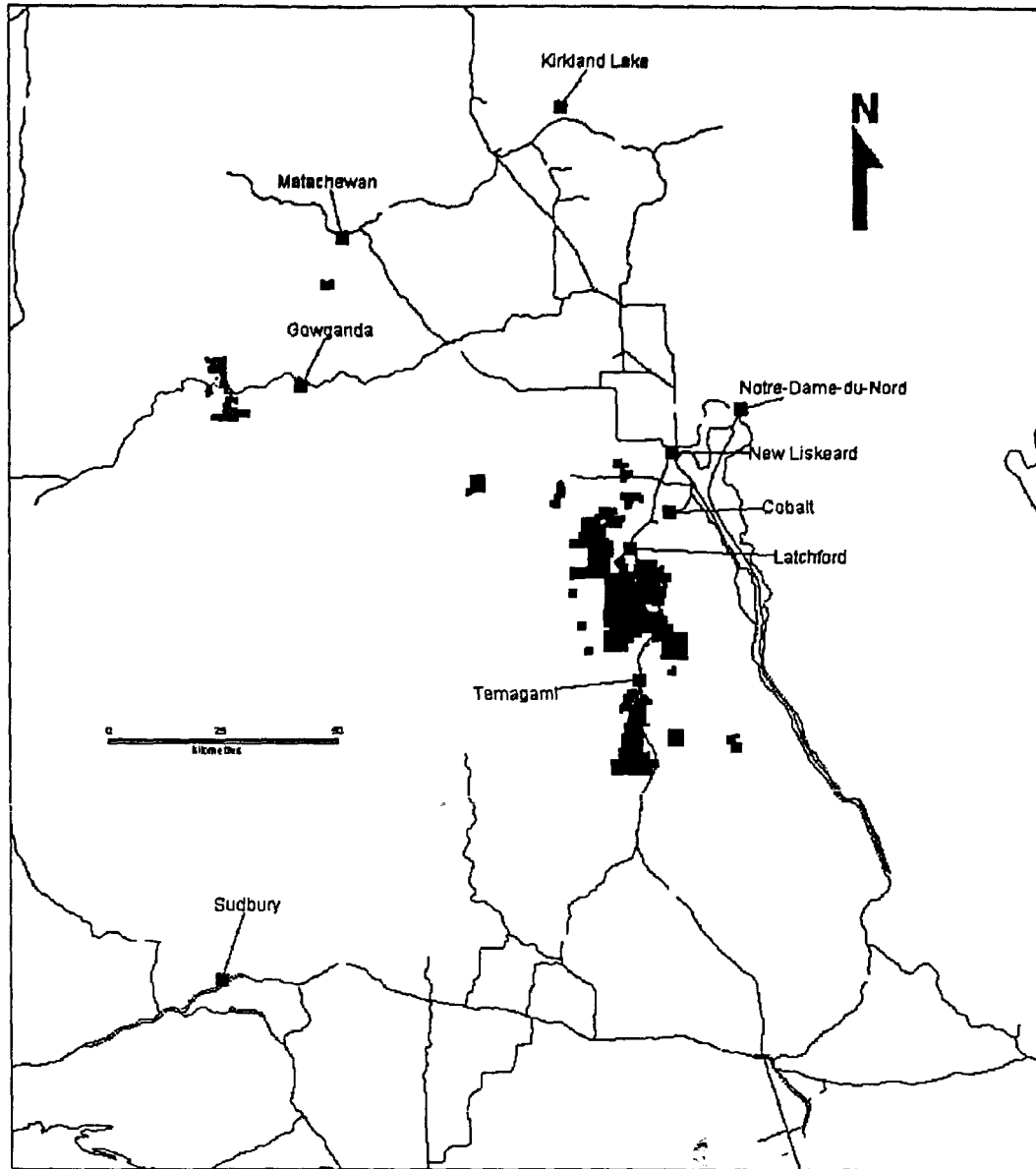


Figure 1: Location of Temagami Region and General Property Location.

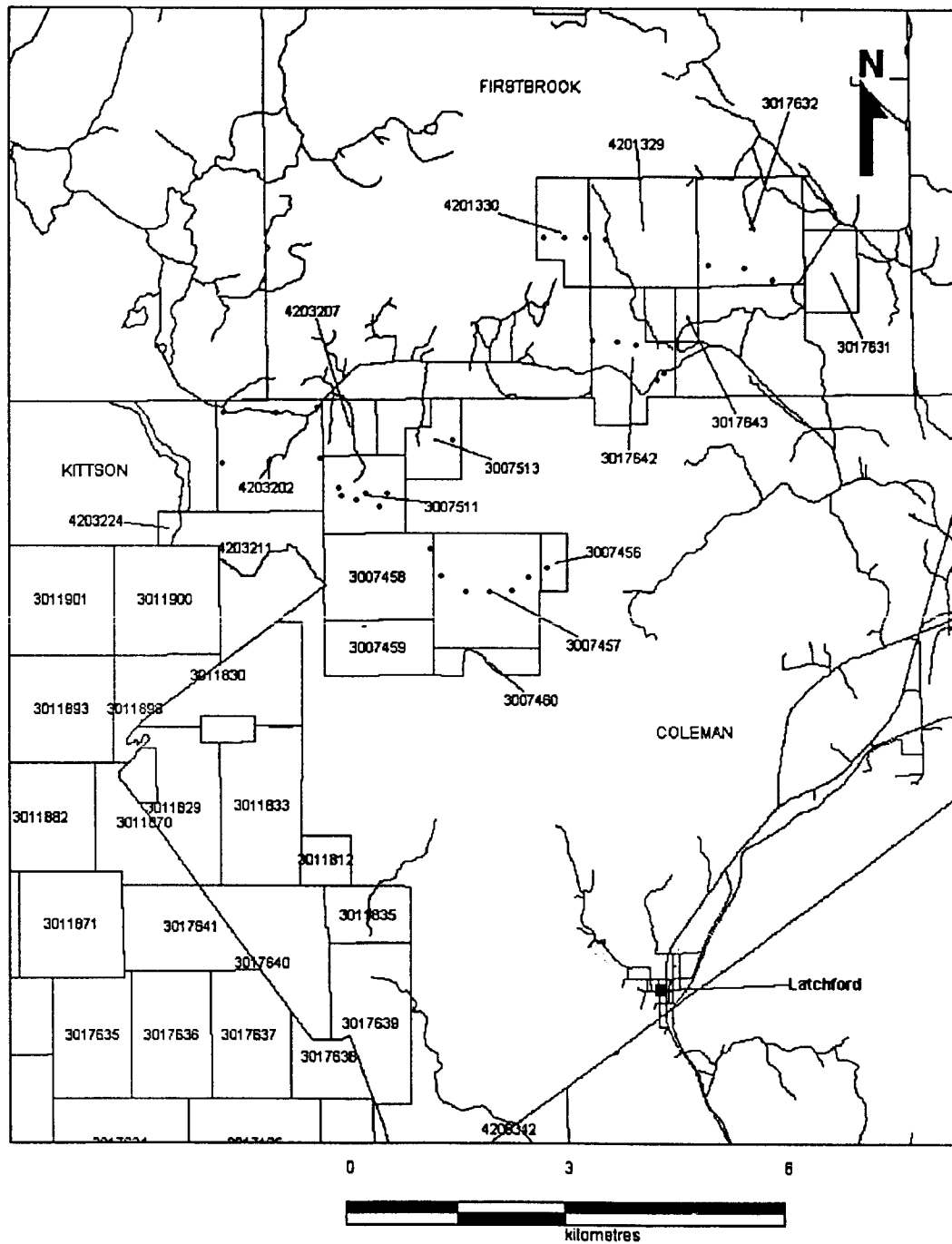


Figure 2a: Township Index Map showing distribution of subject claims and till samples in Firstbrook, Kittson and Coleman Townships.

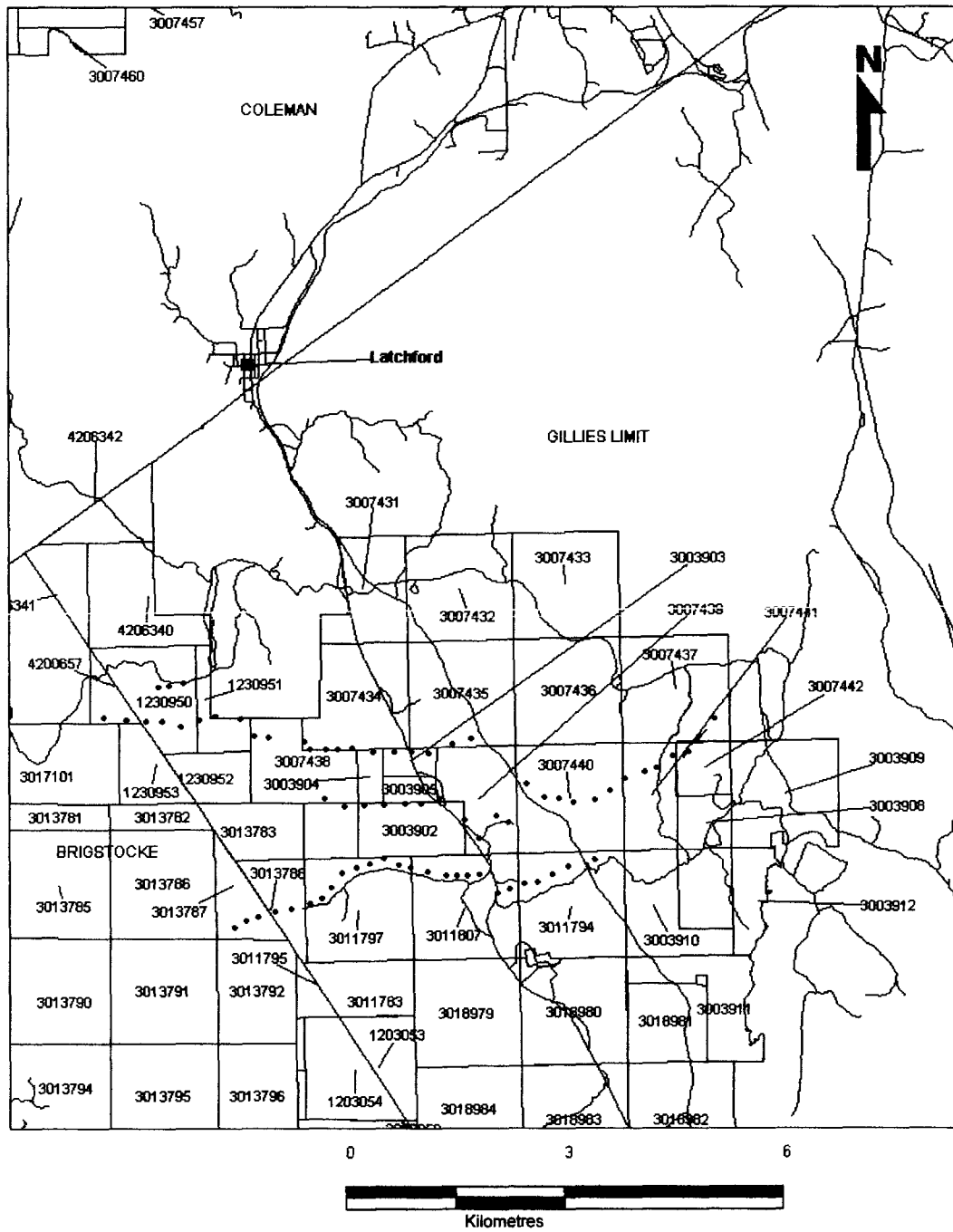


Figure 2b: Township Index Map showing distribution of subject claims and till samples in Gillies Limit, and Brigstocke Townships.

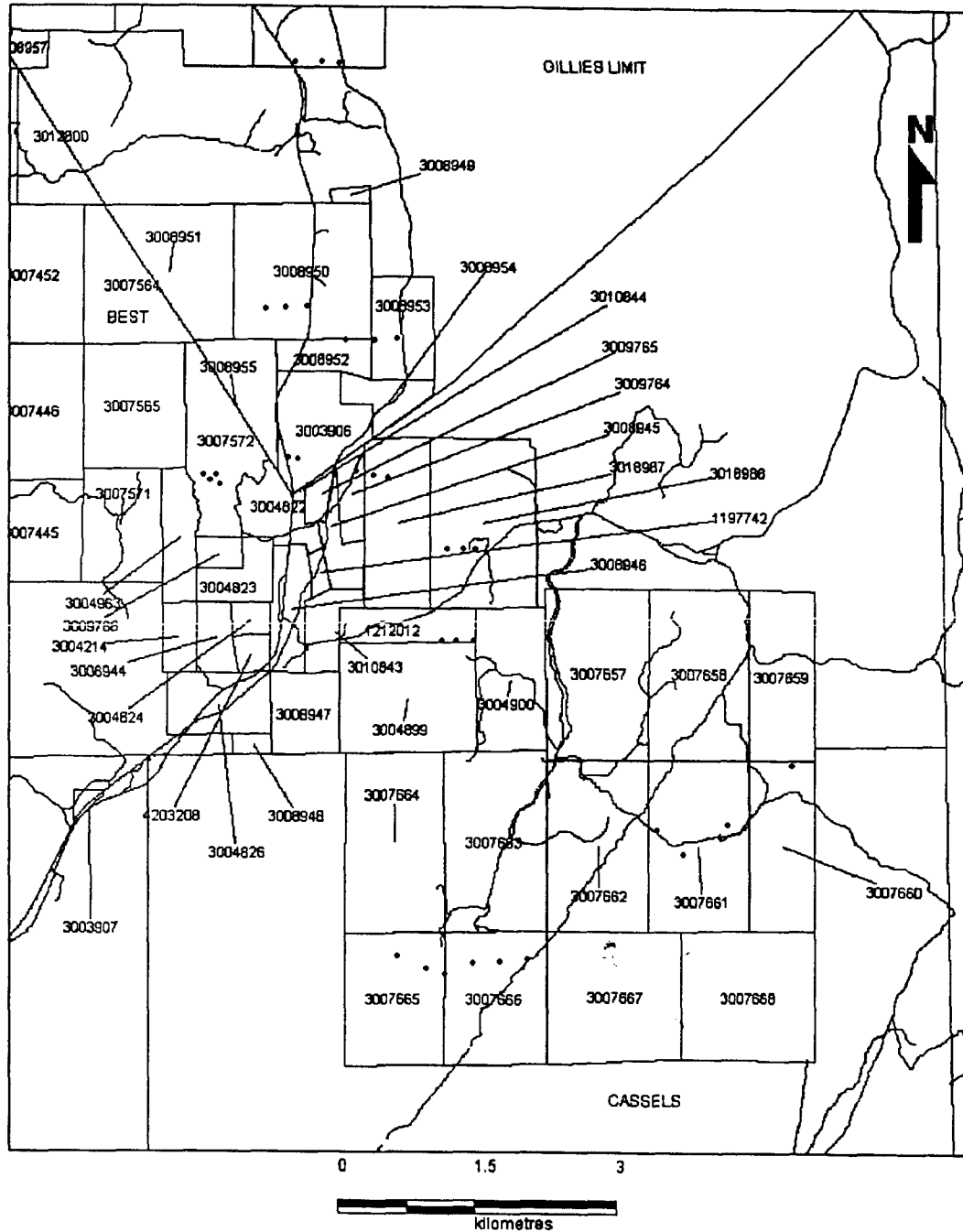


Figure 2c: Township Index Map showing distribution of subject till samples in Best, Gillies Limit and Cassels Townships.



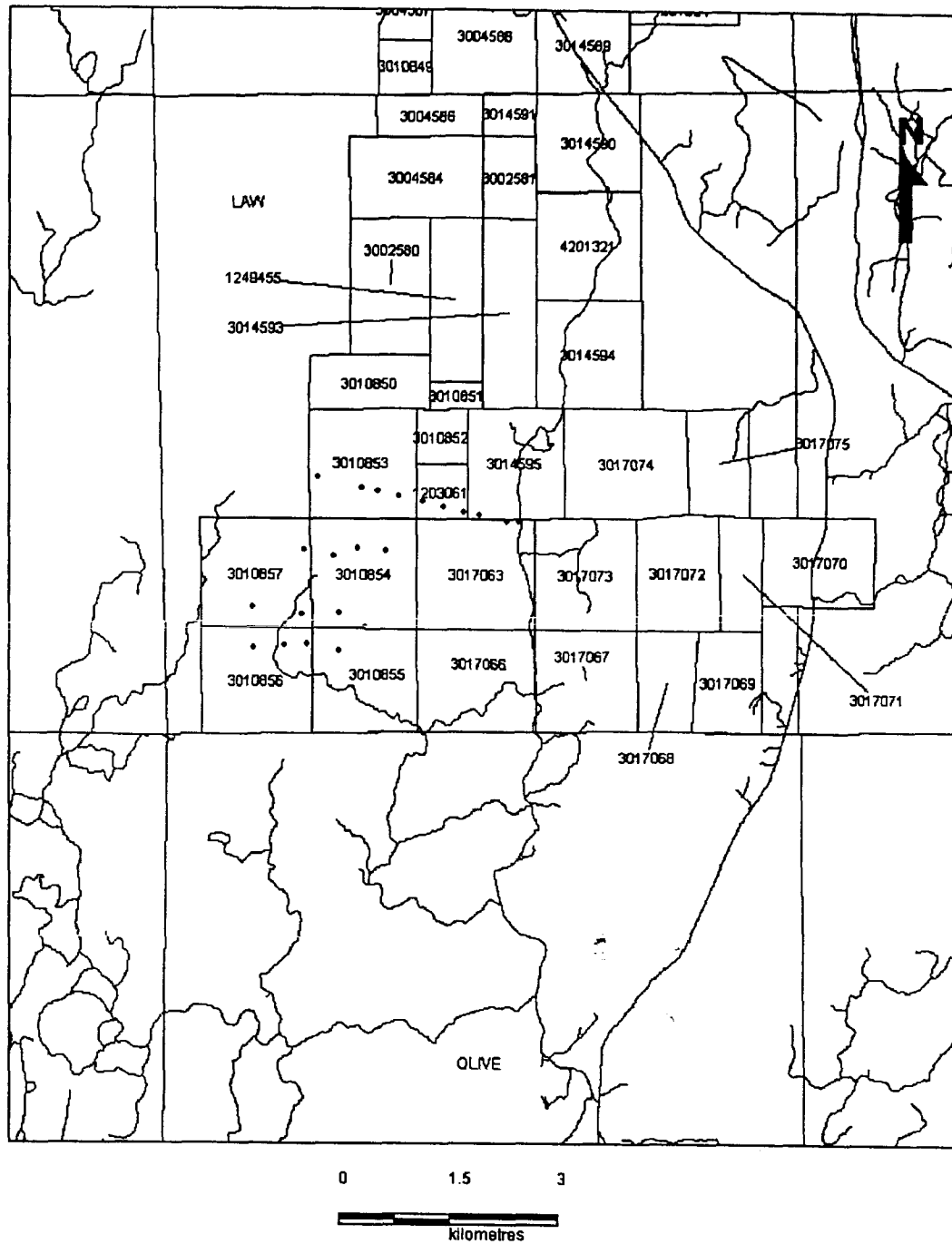


Figure 2d: Township Index Map showing distribution of subject till samples in Law Township.

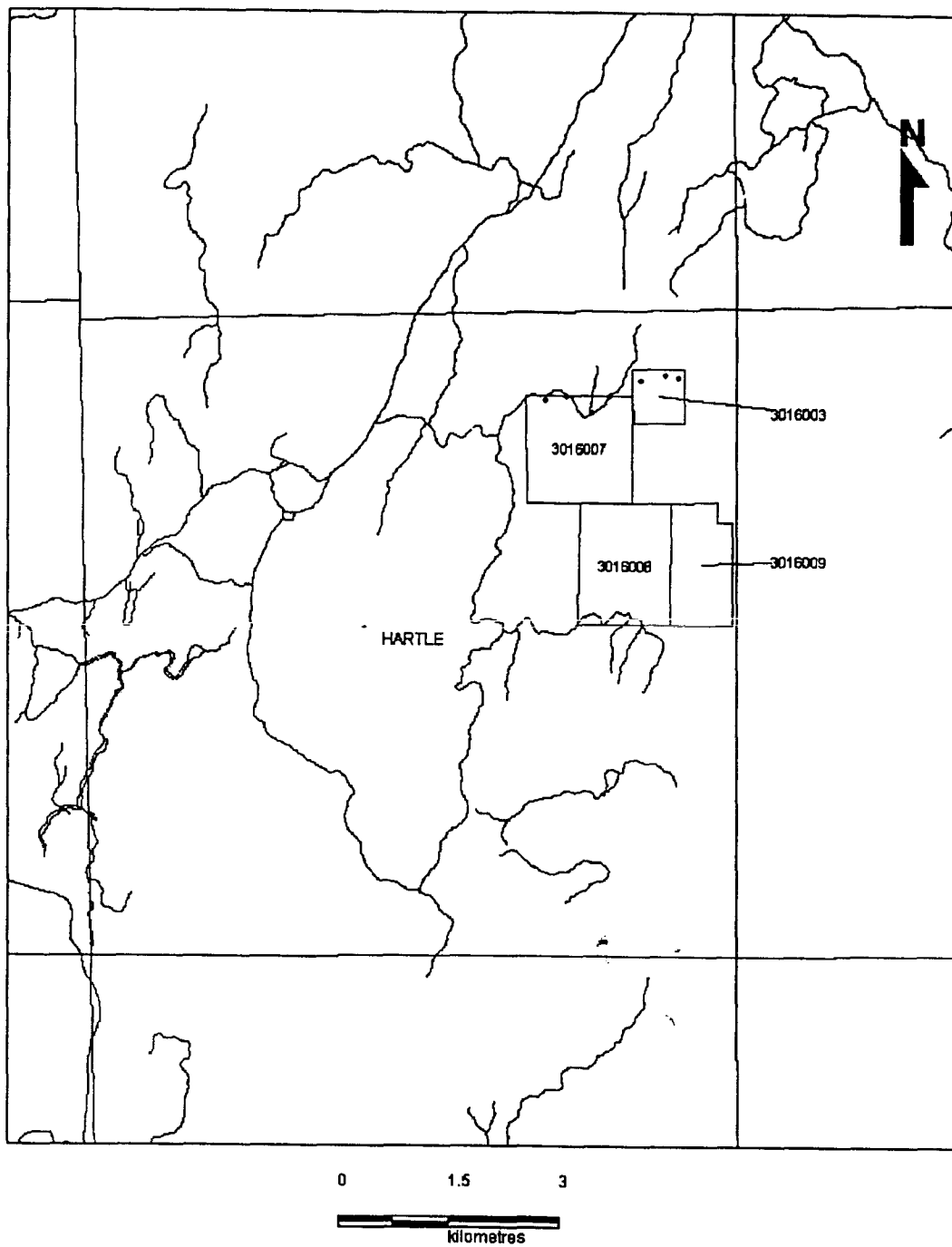


Figure 2e: Township Index Map showing distribution of subject till samples in Hartle Township.

The Elliot Lake, Hough Lake and Quirke Lake Groups are not well represented in the project areas; the Cobalt Group is subdivided primarily into the Gowganda Formation, dominated by a distinctive coarse basal conglomerate and the Lorrain Formation consisting predominantly of sandstone and finely laminated highly indurated siltstone. Nipissing diabase is the term given to a voluminous suite of gabbro/diabase sills and dikes, which intrude the Huronian from Cobalt to Sault Ste Marie, and is very common in Temex project areas. Bedrock geology in the area is unlikely to be critical to the emplacement of kimberlite except for near-surface control by local structures on pipe form and deep seated structures, which may have been active from the Archean to the present and controlled the emplacement of Nipissing Diabase, the form the Lake Timiskaming Graben and Phanerozoic and younger alkaline rocks.

The area subject to the 2005 till sampling program is roughly triangular in plan and stretches from Law Township in the southwest to Hartle Township in the southeast and Hudson Township in the north. In a broader context the area is underlain by Archean mafic to intermediate volcanics and related volcanoclastic and epiclastic sediments, which have been intruded by late Archean granite and overlain in the eastern, central and northern parts of the area by Huronian sediments of the Gowganda and Lorraine Formations. Five ages of diabase dykes cross-cut Archean- and Proterozoic-aged rocks; Proterozoic-aged diabase sills are common throughout the area, particularly in the Cobalt-New Liskeard districts where they are spatially and temporally related to Ag-rich vein mineralization.

The rationale of searching for diamonds in the Temagami region is relatively new, although diamond-bearing kimberlite pipes and dikes have been known in the Kirkland Lake area for almost 50 years. Schulze (1996) described two main kimberlite clusters totalling 29 bodies, including 23 bodies in the Kirkland Lake area, and six bodies in the Lake Timiskaming area. Kimberlites of the Kirkland Lake cluster intrude Archean rocks, whereas the Lake Timiskaming cluster is hosted at the present erosional level largely by sedimentary rocks and diabase dykes and sills of the Huronian Supergroup. Pipe dimensions are typically 100-300 m in diameter, with the largest in the New Liskeard area being 220 x 350 m in size and measuring up to 10-12 ha on surface (e.g. MR-6, KI-1 and KI-22). Tres Or Resources, Lapointe kimberlite, located ~36 km southwest of Kirkland Lake may be as large as 23 ha at its current level of erosional, distinguishing it as the largest kimberlite discovered in Ontario.

Preserved crater facies material (olivine crystal tuffs) has now been found in Contact Diamond's MR-6 pipe, the northern most kimberlite in the Lake Temiskaming cluster although crater facies kimberlite is rare to absent in the southern-most kimberlites west and southwest of New Liskeard. Kimberlites in the Lake Temiskaming cluster range in age from 155 to 134 Ma (Sage, 2000). The diamond potential of this region is considered to be related to the kimberlite magmas exploiting deep seated faults related to the present-day Lake Timiskaming Rift Valley (Morris and Kaszycki, 1995; Sage, 1996, 2000) although kimberlite magmatism is not directed related to the formation of the rift and it is recognised that these faults are trans-continental in scale (Lake Temiskaming Structure Zone) and probably have been reactivated many times since the later Archean. The Lake Timiskaming Rift Valley is expressed by large-scale normal movement along northwest-trending faults, including the Montreal River and Cross Lake fault systems. Nipissing diabase and gabbro intrusives likely were funnelled through conduits created by this rifting event.

The surficial geology of the southern portion of the project area is dominated by lodgment and ablation till with significantly lesser amounts of glaciofluvial/glaciolacustrine sediments and organic deposits (Veillette, 1986), the latter occurring on the surface in narrow valleys between prominent *roche moutonnée*. In contrast, glaciofluvial/glaciolacustrine deposits dominate the area west, north and northwest of New Liskeard. Ice flow indicators such as striations are biased south-southeast, the last direction of ice movement during deglaciation in the late Wisconsin (23,000 to 10,000 years before present; Veillette and McClenaghan, 1996). However, surficial mapping and dispersal train studies

completed over the past decade indicate that glacial ice initially flowed to the southwest, and it is postulated that this phase was the dominant ice flow direction in terms of bedrock molding and mineral dispersal (Veillette, 1989). Averill and McClenaghan (1994) agree with the theory that south-southeast flow is less influential in terms of mineral dispersal, however they suggest that dispersal in this direction is important in regions where a thin blanket of till mantles abundant outcrops and where glaciofluvial sediments such as eskers are oriented south-southeast. These conditions appear to be the case in the area investigated by Temex, so the dominant ice flow direction is likely to have been south-southeast, but the possibility of southwest movement should also be considered.

## 5.0 Current Work

From May to November 2005, a program of detailed till sampling was conducted on claims held by Temex and as part of a regional investigation to resolve kimberlite indicator mineral ("KIM") dispersal trains indicated from regional government surveys. The collection of these till samples was carried out solely by Temex personnel. The program was planned and managed, data compiled and relevant reports and maps prepared by Bruce Jago Ph.D., P. Geo., of Temex Resources Corp. Till samples were processed to the concentrate stage by Vancouver Indicator Processors Inc. (VIPI) of Burnaby, British Columbia. Mineral concentrates were picked for kimberlite indicator mineral content by KIM Dynamics of North Vancouver, British Columbia, who also were responsible for preparing grain descriptions. Electron microprobe analysis was conducted at Cyngus Consulting Inc. located on the Laval University campus, Quebec City, Quebec.

The work documented was performed on claims subject to the Participation Agreement (the "Agreement") with Teck Cominco Limited ("Teck Cominco") signed on November 30, 2005. This work is part of the \$750,000 Initial Program which is being funded by Teck Cominco; Temex is the operator during this phase. In accordance with the Agreement Teck Cominco has the option, on completion of the Initial Program, to elect to earn an initial 55% interest by expending \$3 million (inclusive of the initial program) over three years and an additional 10% by expending a further \$3 million over the next three years for a total of \$6 million. It was a requirement of the Agreement that Temex process samples as directed by Teck Cominco, utilizing the stated analytical facilities.

## 5.1 Introduction

Sample locations are shown generally on Figures 2a-2e in relation to subject claims and township boundaries and in detail on Figures 3a-3e in relation to claim and township locations. UTM coordinates (NAD 27, UTM Zone 17) of sample locations and subject claims are listed Appendix A. Data related to till sample processing is given in Appendix C, sample results are reported in Appendix D, grain descriptions in Appendix E, electron microprobe analyses in Appendix F and ICP analyses of till sample slimes (-200 mesh) in Appendix H.

## 5.2 Sample Collection

A total of 216 till samples were collected during the program; of these, 169 are reported on herein. Samples were collected at 40 to 120 cm depth (avg. 60 to 70 cm). Samples were collected in a plastic bag with a target mass of approximately 10-12 kg for each site. Care was taken to avoid sampling glacio-fluvial and fluvial material. During the course of the sampling campaign, the sample bags were stored in a locked garage until the end of the sampling campaign when they were colour-coded with different colours of flagging tape according to their geographical provenance. The entire shipment was transported by Manitoulin Transport Limited from their base in New Liskeard, Ontario to VIPI's processing laboratory in Burnaby, British Columbia.

### 5.3a Sample Processing

Till samples were prepared and processed by VIPI (Appendix C) using the following procedure:

- Disaggregation and desliming of samples averaging 25 kg
- Wet screening at 0.86 and 0.25 mm
- Drying of -0.86+0.25 mm size fraction
- Magnetic concentration of -0.86+0.25 mm size fraction
- Two stage heavy liquid concentration of magnetic concentrate
  - Tetrabromaethane (TBE) (2.96 SG) up to 1 kg
  - Methylene Iodide (MI) (3.30 SG) up to 150 g
- Production of heavy concentrate (>3.30 SG) plus float (<3.30>2.96)
- Delivery of concentrate (plus float and ferromags) to picker if in Vancouver area
- Disposal of all unrequired fractions, or collect ship to client-specified destination
- Excel listing (paper and email) of weights of all fractions separated
- Description of methods and flow sheet for report purposes

VIPI processing reports included:

- **Screening weights**
  - As-received wt kg
  - +2 mm wet kg
  - +0.86 mm wet kg
  - -0.86+0.25 mm dry kg
  - -0.25 mm dry kg
- **Magnetic Processing -0.86+0.25 mm**
  - Ferromagnetic fraction g
  - Strongly magnetic fraction g
  - Weakly magnetic fraction g
  - Non magnetic fraction g
- **Heavy Liquid processing -0.86+.25mm**
  - Start weight for heavy liquids g
  - TBE(<2.96) SG) float g
  - TBE(>2.96 SG) sink g
  - MI (<3.30 SG) float g
  - MI(>3.30 SG) sink g
- **Work record**
  - Date sample received
  - Date concentrate shipped

### 5.3b Mineral Selection

Mineral selection was performed by KIM Dynamics of North Vancouver, British Columbia and KIM abundances are reported in Appendix D. Before mineral observation, each of the 216 as-received heavy mineral concentrates was washed in an ultrasonic bath and sieved through two, 0.3mm and 0.25mm (<10g of concentrate) or four mesh sizes, 0.5mm, 0.4mm, 0.3mm and 0.25mm (>10g of concentrate) in order to provide better focusing under the binocular microscope. This procedure produced three, +0.3mm, +0.25mm, and "<0.25" and "HM" or five separate bags, +0.5mm, +0.4mm, +0.3mm, +0.25mm, and "<0.25" and "HM" for each sample concentrate.

All bags were weighed and weights were recorded on the top right-hand corners of the plastic bags. The size fractions, +0.5, +0.4, +0.3 and +0.25mm of all concentrates were observed under the binocular microscope in order to extract any possible kimberlitic indicator mineral. The "<0.25mm" size fractions and "HM" portions were not observed.

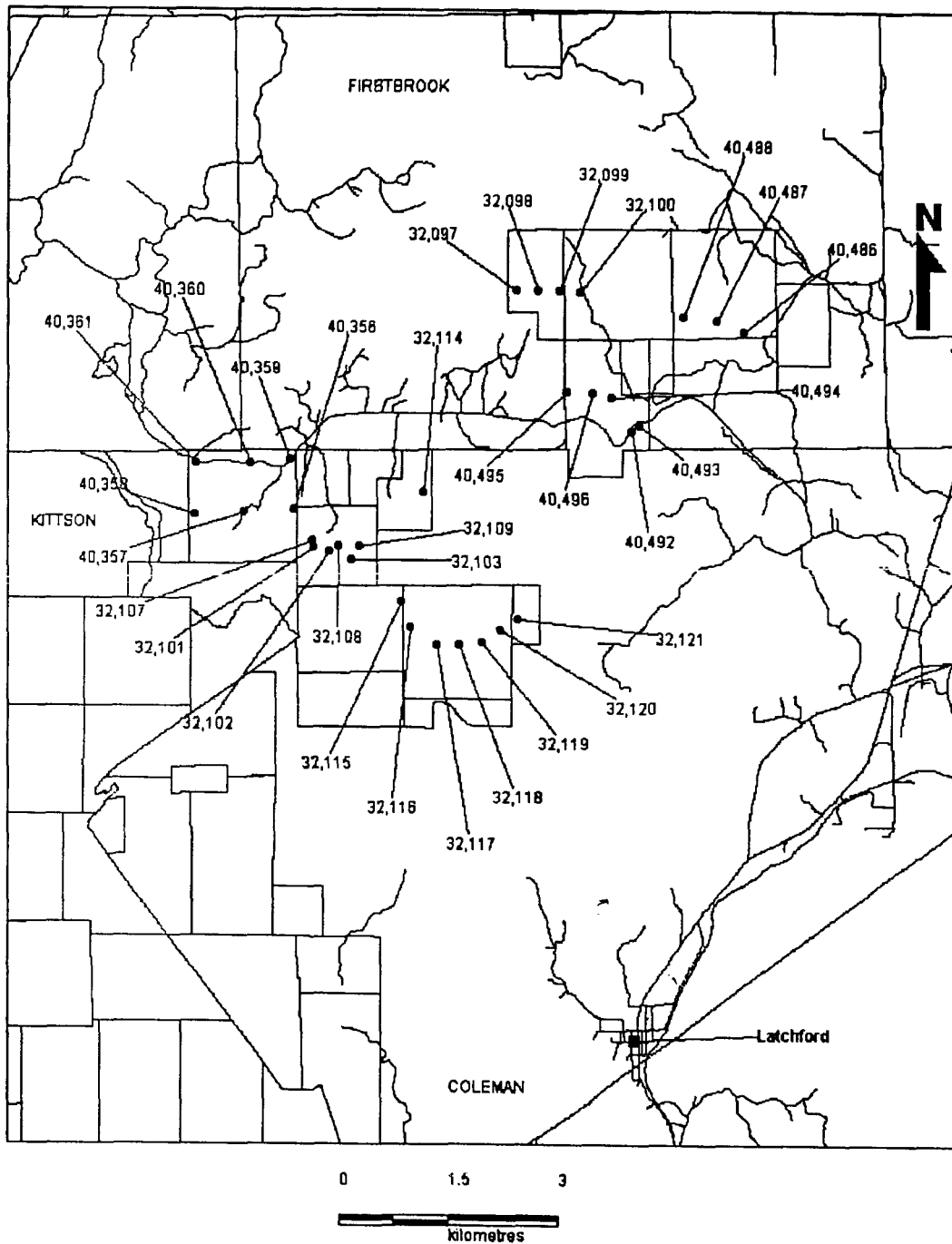


Figure 3a: Detailed map illustrating the location of till sample sites relative to claim boundaries in Kittson, Coleman and Firstbrook Townships.



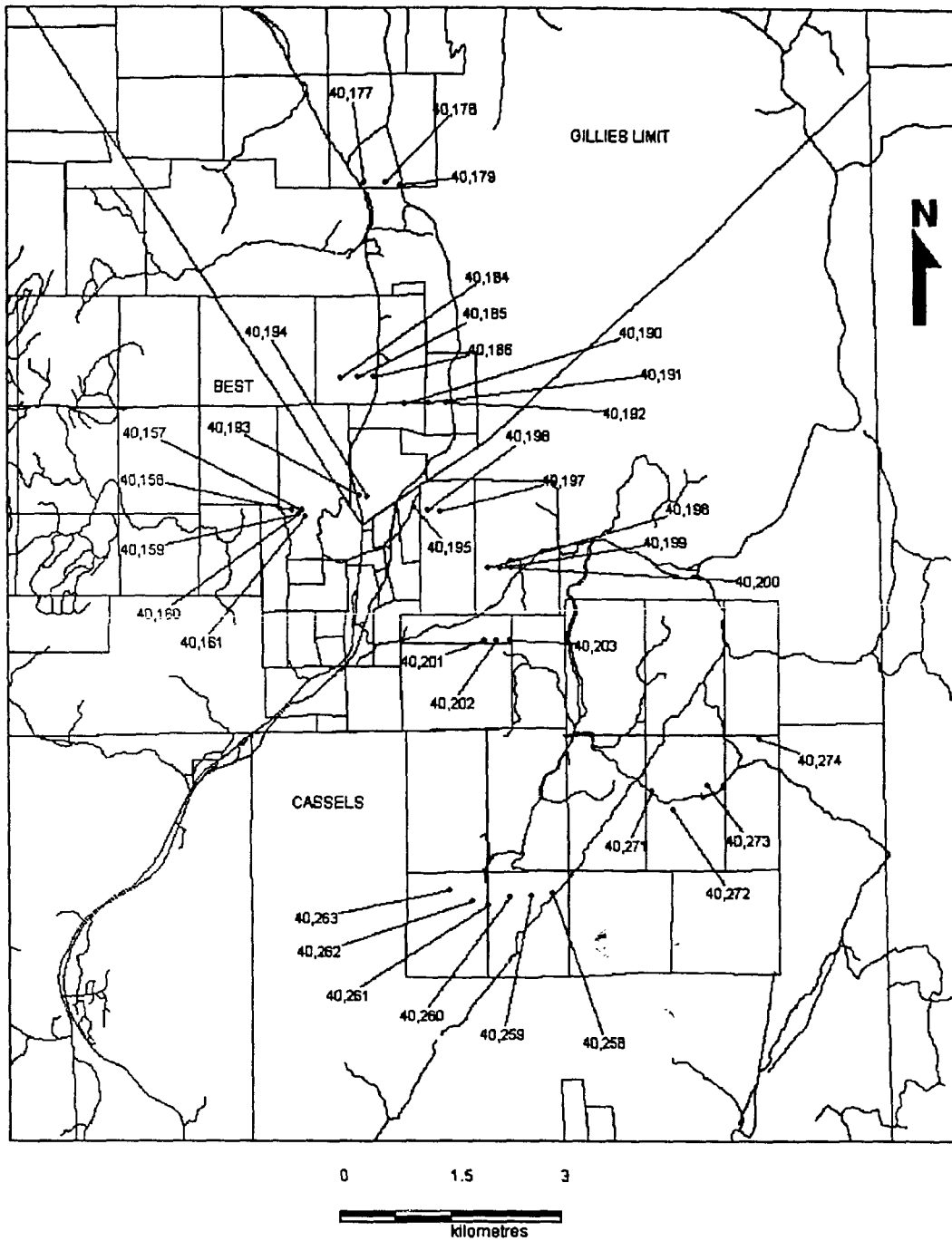


Figure 3c: Detailed map illustrating the location of till sample sites relative to claim boundaries in Best, Gillies Limit and Cassels Townships.



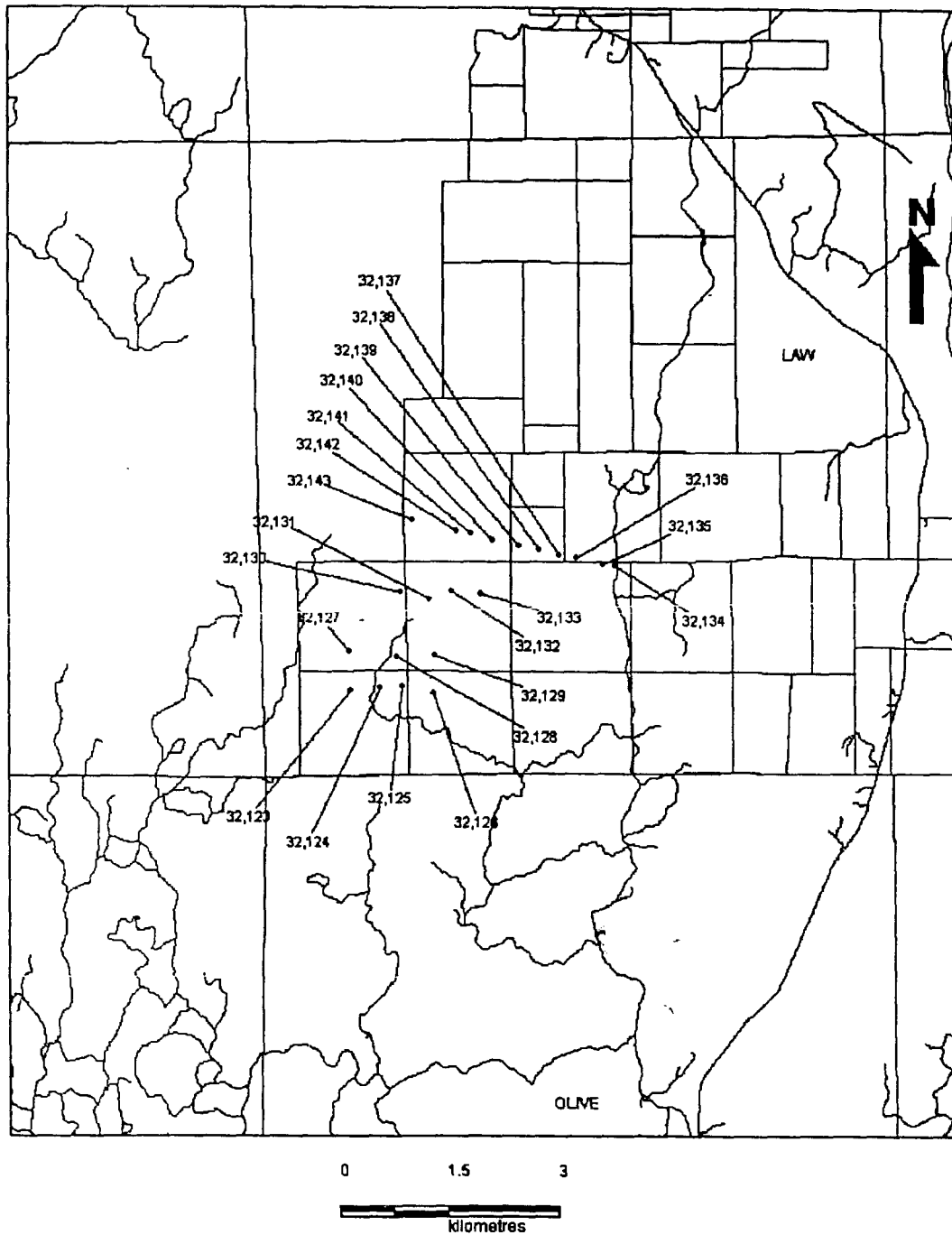


Figure 3d: Detailed map illustrating the location of till sample sites relative to claim boundaries in Law Township.

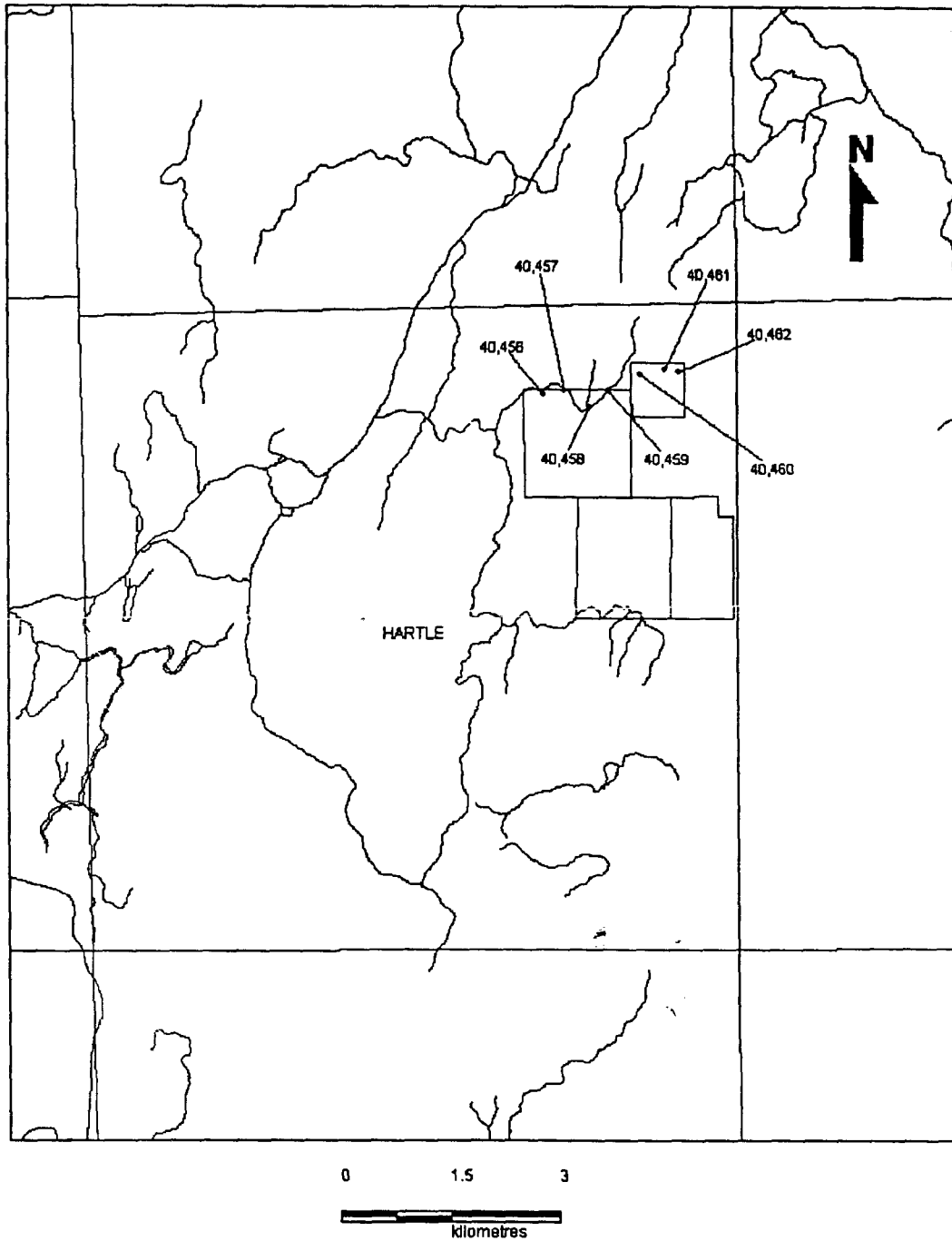


Figure 3e: Detailed map illustrating the location of till sample sites relative to claim boundaries in Hartle Township.

All collected KIM and possible KIM were placed on the labeled mineral cards and securely stored in plastic folders in the KIM Dynamics office until further instructions were received from Temex. The grains that were picked from the concentrates and rejected as KIM or possible KIM were stored together with collected KIM in the plastic folder on the indicator cards marked "rejected".

The mineral concentrates labeled "floats" were not screened or observed under the binocular microscope.

The sample data sheets recorded all information regarding fraction weights, selected kimberlite indicator minerals and comments for each sample.

A total of 320.9g of heavy mineral concentrates was observed. From this material, 379 peridotitic garnet, 53 possible eclogitic garnet, 1494 picroilmenite, 2271 chromite, 91 chrome diopside and 19 olivine grains were extracted. KIM were identified using the following physical properties:

- Peridotitic garnets were subrounded to subangular in form with pale pink purple to reddish colouration. Some peridotitic garnets had thin patches of kelyphite alteration mantles.
- Eclogitic garnets were subrounded to subangular in form and had a pale orange colouration. The identification as eclogitic garnet requires confirmation by electron microprobe analysis.
- Picroilmenites were subrounded and massive to poly-granular or fractured. Subrounded picroilmenites had coarse, "bumpy" surfaces covered with thin white coating of leucoxene. Some grains were fractured and may or may not have had preserved weathering surfaces. About 30% of all collected picroilmenites comprised poly-granular or poly-crystalline aggregates.
- Chromite grains had rounded anhedral to sharp-edged octahedral forms with a frosted or polished surface. Some of the grains may be non-kimberlitic, in particular grains recovered from Sample 40157 which contained over 1000 chromite grains.
- Chrome diopside grains had a light green colouration and subangular to subrounded grain morphologies. Some of these grains may be from non-kimberlitic sources and grain identification should be confirmed by electron microprobe analysis.
- Olivines had rounded shapes and light beige colors. Some grains had resorption features on the surfaces suggesting a kimberlitic or mantle parentage.

The background of the observed sample concentrates consisted mainly of pyroxene, rock fragments, amphibole, epidote and hematite. The other minerals present in concentrates included sphene, staurolite, kyanite, monazite and corundum. A few samples contained trace amounts of pyrite and chalcopyrite. Sample 40232 contained a few grains of blue corundum.

### 5.3c Mineral Selection Quality Control

Mineral observation quality control (QC) at KIM Dynamics included the double observation of about 18% of all samples, which are highlighted on the results table and listed in Table 1, below. A review of Table 1 shows that a total of 2425 KIM and possible KIM were recovered from 169 samples in the first observation and 309 KIM and possible KIM in the second observation for an average First Observation Recovery Rate of ~80% within a range of 25-100% recovery.

The average recovery of ~80% is acceptable although there are 11 of the 30 QC samples with recovery rates less than 80%, which is an unacceptable value. An investigation is recommended to determine if the low recovery rates in these 11 samples are due to a particular mineral observer or the selection of a particular species. In the former case, all samples observed by the person with the low recovery rate should be re-examined; in the latter case, mineral selection criteria for the species with the low recovery rates should be re-evaluated, a standard practice developed and a larger number of samples (perhaps 30-50% of the total) re-observed to determine how many grains of that species are recovered and whether, in the extreme case, it may be necessary to re-examine all concentrates for additional grains of that species.

### Temex Wilson Lake Diamond Project: 2006 Till Sampling Program

Sample #	TeckLab #	Job #	First	Second	Total	Recovery
32014	H06-1131	194	11	1	12	91.7
32016	H06-1133	194	8	0	8	100.0
32018	H06-1135	194	29	11	40	72.5
32030	H06-1147	194	9	11	20	45.0
32035	H06-1152	194	36	8	44	81.8
32036	H06-1153	194	23	6	29	79.3
32097	H06-1751	198	13	12	25	52.0
32103	H06-1757	198	47	7	54	87.0
32107	H06-1759	198	42	7	49	85.7
32116	H06-1766	198	80	6	86	93.0
32121	H06-1771	198	34	2	36	94.4
32123	H06-1773	198	28	12	40	70.0
32131	H06-1163	195	266	30	296	89.9
32135	H06-1167	195	5	0	5	100.0
32140	H06-1776	198	483	0	483	100.0
32142	H06-1778	198	248	31	279	88.9
32143	H06-1779	198	109	3	112	97.3
40161	H06-1175	195	44	12	56	78.6
40186	H06-1181	195	15	7	22	68.2
40218	H06-1196	195	3	9	12	25.0
40259	H06-1781	198	34	7	41	82.9
40261	H06-1783	198	41	2	43	95.3
40356	H06-1790	198	59	28	87	67.8
40357	H06-1791	198	325	6	331	98.2
40359	H06-1793	198	221	50	271	81.5
40360	H06-1794	198	63	13	76	82.9
40362	H06-1222	196	3	6	9	33.3
40374	H06-1229	196	10	4	14	71.4
40493	H06-1811	198	37	6	43	86.0
40494	H06-1812	198	99	12	111	89.2
<b>Totals/Average</b>			<b>2425</b>	<b>309</b>	<b>2734</b>	<b>79.6</b>

Table 1: List of doubly observed quality control samples.

## 5.4 Data Archiving, Processing and Interpretation

Indicator mineral counts are reported herein (Appendix D) separate from the results of previous till sample surveys conducted by Temex, government agencies and public data reported in the assessment files.

### 5.4.1 KIM Dynamic Picking Results: KIM Data

Of the 169 samples reported herein (Appendix D), all contained KIMs with Total KIMs ranging up to 1472 grains in Sample 40157, which was dominated by chromite, but of uncertain petrogenesis. Ilmenite (41.7 %) was found to be the most common indicator mineral followed by chromite (39.3 %), pyrope (8.4 %), Cr-diopside (7.3 %), megacrystic/eclogitic orange-coloured garnet (2.2 %) and forsteritic olivine (1.1 %). It should be recognized that the relative abundances are skewed somewhat by very high ilmenite grain counts (389 grains) in Sample 32140 and very high chromite counts (1472 grains) in Sample 40157. In spite of this, if these samples are removed from the calculations, the relative order of abundance of mineral species is the same.

### 5.4.2 Abrasion Study

Data and conclusions relevant to a mineral grain surface abrasion study conducted by KIM Dynamics are given in Appendix E. This information includes a summary and interpretative report, data tables (7) and summary figures (8).

The abrasion study included KIM grains selected from samples recovered from the subject claims as well as regional samples. The results of the abrasion study use raw (i.e. not verified by electron microprobe) KIM abundances, the calculated proportion of "look-alike G10" garnets, the proportion of fine (<0.3mm) versus coarse (>0.3mm) KIM grains, and garnet and ilmenite grain surface textures such as presence of kelyphite, leucoxene, rutile and anatase, sharpness of fractured edges and freshness of resorption surface (e.g. orange peel, etch surface).

KIM Dynamics highlighted clusters of samples collected in central Law (e.g. Sample 32140/483 grains), northern Kittson (Sample 40357/331 grains) and southeastern Firstbrook Townships (Sample 40485/258 grains) as high priority samples. Grains in these samples are interpreted as proximal to a bedrock kimberlite source(s) on the basis of:

- Highly anomalous total KIM counts (i.e. >~100 grains),
- Presence of kelyphite on unabraded garnet grain surfaces
- Presence of alteration mineral assemblages (leucoxene, anatase, rutile) on unabraded ilmenite surfaces
- High proportions of coarse to fine indicator mineral grain counts.

### 5.4.3 Electron Microprobe Analysis of KIM Grains

The kimberlite indicator mineral mounting ledger and electron microprobe analyses of selected garnets (684 grains) are given in Appendix F. Electron microprobe analyses of spinel, ilmenite, olivine and clinopyroxene was not performed at this time but is strongly recommended to reconcile raw kimberlite indicator mineral grain counts with the abundance of *bona fide* kimberlite indicator mineral abundances as determined by the interpretation of electron microprobe analysis of individual mineral grains.

### 5.4.4 Interpretation of Electron Microprobe Data: KIM Grains

Interpreted parageneses of the garnet population are given in Table 2, below. The mineral chemistry was interpreted using an updated classification by Grutter et al. (2004).

In brief, about 5% of the population is mispicks and are classified as Fe- and/or Mn-rich almandine/spessartine garnets. These garnets probably were picked as lherzolitic (G9) or eclogitic (G3) candidate grains as light-pink almandine garnets can sometimes be mistaken for very lightly coloured lilac to purple pyrope (G9) and light-orange spessartine-almandine garnets can be mistaken eclogitic garnets. The balance of the garnet population (95%) is interpreted as derived from various mantle protoliths and parageneses. G9 lherzolite (48.1%) and G1 megacrystic (39.5%) dominate although there are small but significant populations of G4 eclogitic/pyroxenitic/websteritic garnets (3.4%) and their diamond-facies G4D (0.6%) equivalent, G10 harzburgitic (1.3%) garnets and their diamond-facies equivalent G10D (0.1%), G5 pyroxenitic garnets (0.4%) and G3 eclogitic garnets (0.7%) and their diamond-facies equivalent G3D (0.1%). It is important to note that the occurrence of diamond-facies garnet populations, particularly those with eclogitic, pyroxenitic and websteritic paragenesis, can be highly significant in diamond exploration as some diamond-facies eclogitic xenoliths can be richly diamondiferous (approaching 100,000 ct/t) and the primary mantle source of diamond at the Victor kimberlite is interpreted (Armstrong et al. 2004) to be diamond-bearing websterite (i.e. G4D).

Clusters of garnet grain parageneses indicating enhanced diamond exploration potential (e.g. G3, G4, G5 and G10) occur in multi-sample, multi-sample/multi-grain or single sample/multi-grain clusters in northern Coleman (Samples 32107-109, 40357-40359) and central Law Townships (32131 and 32140).

Designation	Paragenesis/Protolith	# of Grains	% of Population
Crustal	Crustal	31	4.5
G1	Megacrysts	270	39.5
G3	Eclogitic	5	0.7
G3D	Eclogitic	1	0.1
G4	Eclogitic/Pyroxenitic/Websteritic	23	3.4
G4D	Eclogitic/Pyroxenitic/Websteritic	4	0.6
G5	Pyroxenitic	3	0.4
G5D	Pyroxenitic	0	0
G9	Lherzolitic	329	48.1
G10	Harzburgitic	9	1.3
G10D	Harzburgitic	1	0.1
G11	Hi-TiO <sub>2</sub> Peridotitic	2	0.3
G12	Wehrlitic	6	0.9
<b>Total</b>		<b>684</b>	<b>100.0</b>

Table 2: Summary of garnet parageneses and protoliths.

#### 5.4.5 Slimes Geochemistry

ICP trace element geochemical analyses for the -200 mesh size fraction of each sample are given in Appendix G.

Detailed examination of the data shows that elements associated with mineral deposits in the Temagami and New Liskeard areas (VMS, Cu-Ni-Co-PGE, Ag-Ni-Co-As) have concentrations that are below ranges that might be considered anomalous. In addition, frequency histograms prepared for all elements (not shown) have only slightly positively skewed distributions with few outliers. Elements of economic

interest such as Au and Ag have values at or near detection limit (i.e. <10 ppb and 10 ppm, respectively) whereas Cu, Pb and Zn are low, with a single exception in Sample 40192. Samples with slightly anomalous values include:

Sample	Pb	Zn	Ba	Ni	Cr	V	Ti (%)	Mg (%)
Avg. for all	13.7	19.9	32.4	37.1	50.6			
32123				175				
32136					117			
40157			108	271	505	58	0.13	2.61
40158				100	179		0.10	1.11
40184			86					
40192	62	160						
40457			103	92	179	79	0.2	1.76

Sample 40457, and Samples 40157 and 40158, which are spatially related have anomalous concentrations of minor and major elements normally associated with ultramafic to mafic intrusions and could, therefore, be related to a buried kimberlite some distance up-ice from the sample sites. Equally, the samples may be related to regionally extensive suites of non-kimberlitic, mafic to ultramafic rocks such as komatiitic flows, peridotite sills and various lamprophyres.

## 6.0 Conclusions and Recommendations

2005 till sampling across a wide geographic region of Temex Resources Wilson Lake diamond property demonstrated continuity of previously identified kimberlite indicator mineral dispersion trains in Law, Hartle, Cassels, Best, Gillies Limit and Coleman Townships. Electron microprobe analysis of a small selection of garnet grains provided convincing evidence of an elevated diamond exploration potential for two of the KIM dispersal trains (Coleman and Law Twp.).

Based on the results of the till survey, collection of additional samples across the interpreted up-ice extensions of known axes of interpreted dispersal trains is warranted and highly recommended. This work should consist of follow-up till sampling on lines oriented in a roughly east/west direction and spaced no greater than 500 m apart depending on local access and local topography. It is recommended that sample sites be closely spaced at 100-200 m intervals along sample lines with flexibility to adjust this distance based on the quality of potential sample sites and suitable sample media. The work should be directed towards defining the up-ice limit of the interpreted indicator dispersal train and, in conjunction with the interpretation of available geophysical data, to generate targets for trenching and/or drilling or the staking of additional claims. Detailed prospecting should be done in conjunction with a thorough review of all geophysical data in an attempt to locate the bedrock source of the kimberlite indicator minerals.

It is highly recommended that additional electron microprobe analysis be undertaken as this is the only method for reconciling KIM "picks" with *bona fide* KIM abundances.

## 7.0 References


- Armstrong, K. A., Nowicki, T. E. and Read, G. H. (2004) Kimberlite AT56: a mantle sample from the north central Superior craton, Canada. Special Issue, Selected Papers from the 8<sup>th</sup> International Kimberlite Conference, Victoria, BC, Canada, 22-27 June 2003, Volume 2: The J. Barry Dawson Volume, 695-704.
- Averill, S. A. and McClenaghan, M. B. 1994. Distribution and character of kimberlite indicator minerals in glacial sediments, C14 and Diamond Lake kimberlite pipes, Kirkland Lake, Ontario. Geological Survey of Canada, Open File 2819, 48 p.
- Bennett, G., Dressler, B.O. and Robertson, J.A. 1991. The Huronian Supergroup and associated intrusive rocks. *In* Geology of Ontario, Ontario Geological Survey, Special Volume 4, Part 1, pp.549-591.
- Easton, R.M. 1992. The Grenville Province and the Proterozoic history of central and southern Ontario. *In* Geology of Ontario, Ontario Geological Survey, Special Volume 4, Part 2, pp.714-904.
- Grütter, H. S., Gurney, J. G., Menzies, A. and Winter, F. (2004) An updated classification scheme for mantle-derived garnet, for use by diamond explorers. Special Issue, Selected Papers from the 8<sup>th</sup> International Kimberlite Conference, Victoria, BC, Canada, 22-27 June 2003, Volume 2: The J. Barry Dawson Volume, 819-840.
- McClenaghan, M. B., Kjarsgaard, I. M. and Kjarsgaard, B.A. (2001) Reconnaissance-scale Till Survey in the New Liskeard-Temagami-Region, Ontario: Kimberlite Indicator Mineral and Geochemistry; Geological Survey of Canada, Open File 4086.
- Morris, T. F. and Kaszycki, C. A. 1995. A prospector's guide to drift prospecting for diamonds, northern Ontario. Ontario Geological Survey, Open File Report 5933, 110 p.
- Reid, J.L. (2002) Regional Modern Alluvium Sampling Survey of the Mattawa-Cobalt Corridor, Northeastern Ontario; Ontario Geological Survey, Open File Report 6088, 235p.
- Sage, R.P. 1996. Kimberlites of the Lake Timiskaming Structural Zone. Ontario Geological Survey Open File Report 5937, 435 p.
- Sage, R.P. 2000. Kimberlites of the Lake Timiskaming Structural Zone: supplement. Ontario Geological Survey Open File Report 6018, 123 p.
- Schulze, D.J. 1996. Kimberlites in the vicinity of Kirkland Lake and Lake Timiskaming, Ontario and Quebec. *In* Searching for Diamonds in Canada, edited by A.N. LeCheminant, D.G. Richardson, R.N.W. DiLabio, and K.A. Richardson. Geological Survey of Canada, Open File 3228, pp.73-78.
- Veillette, J.J. 1986. Surficial geology, Haileybury, Ontario-Quebec. Geological Survey of Canada, Map 1642A, scale 1:100,000.
- Veillette, J.J. 1989. Ice movement, till sheets and glacial transport in Abitibi-Timiskaming Quebec and Ontario. *In* Drift Prospecting, edited by R.N.W. DiLabio and W.B. Coker. Geological Survey of Canada, Paper 89-20, pp.139-154.
- Veillette, J.J. and McClenaghan, M.B. 1996. Sequence of glacial flows in Abitibi-Timiskaming; implications for mineral exploration and dispersal of calcareous rocks from the Hudson Bay basin, Quebec and Ontario. Geological Survey of Canada, Open File 3033, map scale 1:500,000.



### Statement of Qualifications

1. I, Bruce Craig Jago, do hereby certify that:
2. I reside at 2141 Lorraine Drive, Peterborough, Ontario, K9L 1W4.
3. I am a graduate of Lakehead University (H.B.Sc. Geology 1980 & M.Sc. Geology 1982) and University of Toronto (Ph.D. Geology 1991).
4. I am a registered Professional Geologist (#0370) with the Association of Professional Geoscientists of Ontario.
5. I am a Qualified Person for the purposes of National Instrument 43-101 and with respect to the subject matter of this report based on my knowledge of diamond exploration.
6. I am the author of this report.

Dated this 30<sup>th</sup> day of May, 2006.

  
\_\_\_\_\_  
Bruce Craig Jago, Ph.D., P. Geo.

**APPENDIX A**

**List of Subject Claims and Till Sample Locations**

# Temex Resources: 2005 Wilson Lake Till Sampling Campaign

## APPENDIX A: Subject Claims and Till Sample Locations

Sample	Survey	Easting_NAD27	Northing_NAD27	Claim
32003	Temex_2005	590926	5235617	3007438
32004	Temex_2005	591230	5235494	3007438
32005	Temex_2005	591519	5235522	3003902
32006	Temex_2005	591820	5235526	3003902
32007	Temex_2005	592133	5235536	3003902
32008	Temex_2005	592372	5235536	3003902
32009	Temex_2005	592654	5235624	3007439
32010	Temex_2005	593039	5235299	3007439
32011	Temex_2005	593249	5235015	3007439
32012	Temex_2005	593509	5235350	3007439
32013	Temex_2005	593697	5235252	3007439
32014	Temex_2005	593972	5235832	3007440
32015	Temex_2005	594235	5235628	3007440
32016	Temex_2005	594448	5235613	3007440
32017	Temex_2005	594670	5235562	3007440
32018	Temex_2005	594980	5235600	3007440
32019	Temex_2005	595213	5235744	3007440
32020	Temex_2005	595447	5235909	3007441
32021	Temex_2005	595735	5236005	3007441
32022	Temex_2005	595906	5236066	3007441
32023	Temex_2005	596147	5236242	3007441
32024	Temex_2005	596390	5236316	3007442
32025	Temex_2005	596546	5236540	3007437
32026	Temex_2005	596788	5236804	3007437
32027	Temex_2005	596975	5236542	3007438
32028	Temex_2005	590105	5236524	3007438
32029	Temex_2005	590633	5236468	3007434
32030	Temex_2005	590702	5236352	3007434
32031	Temex_2005	590946	5236357	3007434
32032	Temex_2005	591132	5236357	3007434
32033	Temex_2005	591343	5236366	3007434
32034	Temex_2005	591659	5236306	3003904
32035	Temex_2005	591984	5236321	3003903
32036	Temex_2005	592240	5236321	3003903
32037	Temex_2005	592498	5236284	3003903
32038	Temex_2005	592860	5236433	3007435
32039	Temex_2005	593143	5236515	3007435
32097	Temex_2005	588038	5253190	4201330
32098	Temex_2005	588359	5253187	4201330
32099	Temex_2005	588679	5253193	4201330
32100	Temex_2005	588972	5253174	4201329
32101	Temex_2005	584994	5249392	3007511
32102	Temex_2005	585226	5249327	3007511
32103	Temex_2005	585566	5249215	3007511

# Temex Resources: 2005 Wilson Lake Till Sampling Campaign

Sample	Survey	Easting_NAD27	Northing_NAD27	Claim
32107	Temex_2005	584968	5249493	3007511
32108	Temex_2005	585359	5249417	3007511
32109	Temex_2005	585687	5249414	3007511
32114	Temex_2005	586660	5250212	3007513
32115	Temex_2005	586312	5248604	3007458
32116	Temex_2005	586463	5248209	3007457
32117	Temex_2005	586855	5247968	3007457
32118	Temex_2005	587198	5247966	3007457
32119	Temex_2005	587537	5247996	3007457
32120	Temex_2005	587803	5248188	3007457
32121	Temex_2005	588074	5248336	3007456
32123	Temex_2005	586551	5194267	3010856
32124	Temex_2005	587008	5194312	3010856
32125	Temex_2005	587348	5194326	3010856
32126	Temex_2005	587832	5194228	3010855
32127	Temex_2005	586540	5194860	3010857
32128	Temex_2005	587268	5194771	3010857
32129	Temex_2005	587840	5194794	3010854
32130	Temex_2005	587318	5195729	3010857
32131	Temex_2005	587756	5195625	3010854
32132	Temex_2005	588107	5195740	3010854
32133	Temex_2005	588532	5195700	3010854
32134	Temex_2005	590533	5196132	3017063
32135	Temex_2005	590347	5196148	3017063
32136	Temex_2005	589946	5196246	3014595
32137	Temex_2005	589700	5196276	1203061
32138	Temex_2005	589400	5196366	1203061
32139	Temex_2005	589091	5196430	1203061
32140	Temex_2005	588719	5196508	3010853
32141	Temex_2005	588399	5196596	3010853
32142	Temex_2005	588175	5196634	3010853
32143	Temex_2005	587514	5196793	3010853
40157	Temex_2005	595065	5225233	3007572
40158	Temex_2005	594915	5225223	3007572
40159	Temex_2005	595004	5225158	3007572
40160	Temex_2005	595004	5225158	3007572
40161	Temex_2005	595105	5225118	3007572
40177	Temex_2005	596009	5230065	3018982
40178	Temex_2005	596322	5230062	3018982
40179	Temex_2005	596534	5230039	3018982
40184	Temex_2005	595850	5227167	3008950
40185	Temex_2005	595899	5227182	3008950
40186	Temex_2005	596148	5227197	3008950
40190	Temex_2005	596602	5226797	3008952
40191	Temex_2005	596949	5226804	3008953
40192	Temex_2005	597222	5226819	3008953
40193	Temex_2005	595929	5225436	3003906

## Temex Resources: 2005 Wilson Lake Till Sampling Campaign

Sample	Survey	Easting_NAD27	Northing_NAD27	Claim
40194	Temex_2005	596034	5225427	3003906
40195	Temex_2005	596738	5225270	3009764
40196	Temex_2005	596934	5225232	3018987
40197	Temex_2005	597116	5225195	3018987
40198	Temex_2005	597834	5224371	3018988
40199	Temex_2005	598015	5224378	3018988
40200	Temex_2005	598166	5224378	3018988
40201	Temex_2005	597766	5223290	1212012
40202	Temex_2005	597947	5223290	1212012
40203	Temex_2005	598148	5223297	1212012
40218	Temex_2005	594985	5234697	3011794
40219	Temex_2005	594577	5234600	3011794
40220	Temex_2005	594343	5234479	3011794
40221	Temex_2005	594133	5234369	3011794
40222	Temex_2005	593938	5234354	3011794
40223	Temex_2005	593707	5234271	3011807
40224	Temex_2005	593526	5234196	3011807
40225	Temex_2005	593254	5234493	3011807
40226	Temex_2005	593083	5234465	3011807
40227	Temex_2005	592763	5234463	3011807
40228	Temex_2005	592475	5234521	3011807
40229	Temex_2005	592222	5234580	3011797
40230	Temex_2005	592052	5234630	3011797
40231	Temex_2005	591829	5234728	3011797
40232	Temex_2005	591406	5234580	3011797
40233	Temex_2005	591189	5234495	3011797
40234	Temex_2005	591027	5234281	3011797
40235	Temex_2005	590890	5234122	3011797
40236	Temex_2005	590713	5234054	3011797
40237	Temex_2005	590433	5233973	3013788
40238	Temex_2005	590193	5233923	3013788
40239	Temex_2005	589933	5233854	3013787
40240	Temex_2005	589749	5233790	3013787
40241	Temex_2005	589569	5233691	3013787
40242	Temex_2005	581599	5234642	3011797
40243	Temex_2005	592907	5234457	3011807
40258	Temex_2005	598765	5219553	3007666
40259	Temex_2005	598448	5219530	3007666
40260	Temex_2005	598132	5219505	3007666
40261	Temex_2005	597802	5219380	3007666
40262	Temex_2005	597572	5219447	3007665
40263	Temex_2005	597228	5219592	3007665
40271	Temex_2005	600301	5221075	3007661
40272	Temex_2005	600605	5220789	3007661
40273	Temex_2005	601129	5221146	3007661
40274	Temex_2005	601912	5221844	3007660
40356	Temex_2005	584678	5249946	4203202

# Temex Resources: 2005 Wilson Lake Till Sampling Campaign

Sample	Survey	Easting_NAD27	Northing_NAD27	Claim
40357	Temex_2005	583924	5240905	4203202
40358	Temex_2005	583221	5240862	4203202
40359	Temex_2005	584638	5250691	4203202
40360	Temex_2005	584027	5250620	4203202
40361	Temex_2005	583244	5250617	4203202
40362	Temex_2005	588454	5237294	1230950
40363	Temex_2005	588604	5237299	1230950
40364	Temex_2005	588825	5237337	1230950
40370	Temex_2005	587628	5236831	4200657
40371	Temex_2005	587964	5236789	4200657
40372	Temex_2005	588271	5236775	1230950
40373	Temex_2005	588513	5236770	1230950
40374	Temex_2005	588791	5236690	1230950
40375	Temex_2005	589053	5236797	1230951
40376	Temex_2005	589295	5236854	1230951
40377	Temex_2005	589675	5236807	1230951
40456	Temex_2005	611103	5201349	3016007
40457	Temex_2005	611431	5201406	3016007
40458	Temex_2005	611817	5201167	3016007
40459	Temex_2005	612092	5201408	3016007
40460	Temex_2005	612555	5201648	3016003
40461	Temex_2005	612932	5201723	3016003
40462	Temex_2005	613148	5201683	3016003
40486	Temex_2005	591450	5252581	3017632
40487	Temex_2005	591032	5252756	3017632
40488	Temex_2005	590500	5252805	3017632
40492	Temex_2005	589743	5251117	3017642
40493	Temex_2005	589852	5251208	3017642
40494	Temex_2005	589426	5251624	3017642
40495	Temex_2005	588777	5251690	3017642
40496	Temex_2005	589151	5251675	3017642

**APPENDIX B**

**List of Personnel**

## LIST OF PERSONNEL

### **Overall Supervision / Project Manager:**

Bruce Jago, Ph.D., P.Geo., Project Manager - Diamonds

### **Program Planning and Coordination:**

Bruce Jago, Ph.D., P.Geo., Project Manager - Diamonds

Karen Rees, P.Geo., General Manager, Exploration

### **Samplers:**

Richard Brett: Box 2620 Kenora, ON P9N 3X3

Norm Sicard: General Delivery, Gowganda, ON, P0J 1J0

Bruce Jago, Ph.D., P.Geo., 2141 Lorraine Drive, Peterborough, Ontario, K9L 1W4

### **Report and Map Preparation:**

Bruce Jago, Ph.D., P.Geo.



**APPENDIX C**

**Vancouver Indicator Processors Inc.**

**Final Data – Weight Fractions for Picking**

**APPENDIX C: PROCESSING SUMMARY**

VIPI Sample #	VIPI Job #	-0.86+0.25 mm Conc. #	Client Field #	Client Client	As-received Wt. Kg	Screening weights				Magnetic Processing -0.86+0.25 mm			
						+2 mm wet kg	+0.86 mm wet kg	-0.86+0.25 mm dry kg	-0.25 mm dry kg	Ferro-mag Fraction g	Strongly magnetic Fraction g	Weakly Magnetic fraction g	Non-Magnetic fraction g
10234	194	H05-1120	32003	Temex	10.40		5.67	1.08	0.061		307	494	211
10235	194	H05-1121	32004	Temex	10.15		6.16	1.15	0.043		440	492	172
10236	194	H05-1122	32005	Temex	10.17		3.25	0.96	0.029		237	518	176
10237	194	H05-1123	32006	Temex	11.97		7.70	1.17	0.06		284	635	192
10238	194	H05-1124	32007	Temex	11.93	Torn	6.22	1.01	0.046		385	419	159
10239	194	H05-1125	32008	Temex	13.72	Torn	7.67	1.12	0.021		293	636	174
10240	194	H05-1126	32009	Temex	14.36		7.46	1.45	0.035		565	627	221
10241	194	H05-1127	32010	Temex	9.52		5.38	0.97	0.013		320	502	132
10242	194	H05-1128	32011	Temex	13.56		6.65	1.27	0.032		493	613	126
10243	194	H05-1129	32012	Temex	10.11		4.97	0.91	0.024		378	420	90
10244	194	H05-1130	32013	Temex	11.14		7.33	1.29	0.031		417	685	155
10245	194	H05-1131	32014	Temex	11.46		5.97	0.91	0.039		297	463	111
10246	194	H05-1132	32015	Temex	11.92		6.11	1.21	0.069		515	512	112
10247	194	H05-1133	32016	Temex	12.14		4.97	0.69	0.009		224	360	93
10248	194	H05-1134	32017	Temex	12.09		5.90	1.21	0.048		443	543	175
10249	194	H05-1135	32018	Temex	14.51		7.94	2.03	0.057		535	1082	350
10250	194	H05-1136	32019	Temex	11.70		6.60	1.45	0.077		531	620	219
10251	194	H05-1137	32020	Temex	11.91		5.88	1.75	0.099		502	808	340
10252	194	H05-1138	32021	Temex	13.79		4.94	1.78	0.092		461	821	401
10253	194	H05-1139	32022	Temex	13.76		5.20	1.69	0.045		435	805	403
10254	194	H05-1140	32023	Temex	11.95		5.81	1.38	0.064		637	442	233
10255	194	H05-1141	32024	Temex	16.22		6.58	1.75	0.037		389	807	515
10256	194	H05-1142	32025	Temex	12.74	Torn	4.91	1.69	0.063		653	574	397
10257	194	H05-1143	32026	Temex	14.44		7.78	1.67	0.056		632	706	278
10258	194	H05-1144	32027	Temex	11.28		5.99	1.05	0.029		346	508	165
10259	194	H05-1145	32028	Temex	10.19		4.34	0.68	0.01		162	391	121
10260	194	H05-1146	32029	Temex	11.58		6.43	1.20	0.068		289	601	238
10261	194	H05-1147	32030	Temex	15.90	Torn	8.05	1.57	0.084		407	785	294
10262	194	H05-1148	32031	Temex	16.10		4.22	0.54	0.013		160	299	69
10263	194	H05-1149	32032	Temex	17.09		7.04	1.20	0.032		386	521	261
10264	194	H05-1150	32033	Temex	18.71	Torn	8.91	0.77	0.017		236	353	167
10265	194	H05-1151	32034	Temex	15.59		9.38	1.97	0.052		457	1123	334
10266	194	H05-1152	32035	Temex	18.69		9.15	2.18	0.088		565	1118	409
10267	194	H05-1153	32036	Temex	15.94	Torn	9.49	1.21	0.028		446	522	214
10268	194	H05-1154	32037	Temex	16.46	Torn	4.97	1.28	0.027		323	663	264
10269	194	H05-1155	32038	Temex	14.57		7.21	0.94	0.049		313	415	168
10270	194	H05-1156	32039	Temex	13.40	Torn	7.19	1.83	0.114		461	851	399
10271	194	H05-1157	32124	Temex	13.40		6.19	1.53	0.053		538	623	314
10272	194	H05-1158	32125	Temex	14.75		6.33	2.02	0.135		364	930	591
10273	194	H05-1159	32126	Temex	13.25		3.45	1.62	0.041		229	462	892
10275	195	H05-1160	32128	Temex	14.39		5.90	1.88	0.086		339	919	534
10276	195	H05-1161	32129	Temex	12.21		4.24	1.35	0.034		104	680	530
10277	195	H05-1162	32130	Temex	13.36		4.71	1.44	0.054		309	557	523
10278	195	H05-1163	32131	Temex	13.38		5.14	1.59	0.062		385	761	379
10279	195	H05-1164	32132	Temex	11.18		4.84	1.19	0.032		309	580	269
10280	195	H05-1165	32133	Temex	10.86		4.57	1.19	0.043		335	546	268
10281	195	H05-1166	32134	Temex	11.67		4.21	1.55	0.031		39	1085	394
10282	195	H05-1167	32135	Temex	11.10		2.33	1.08	0.03		36	629	385

**APPENDIX C: PROCESSING SUMMARY**

VIPI Sample #	VIPI Job #	-0.86+0.25 mm Conc. #	Client Field #	Client Client	Screening weights				Magnetic Processing -0.86+0.25 mm				
					As-received Wt. Kg	+2 mm wet kg	+0.86 mm wet kg	-0.86+0.25 mm dry kg	-0.25 mm dry kg	Ferro-mag Fraction g	Strongly magnetic Fraction g	Weakly Magnetic fraction g	Non-Magnetic fraction g
10283	195	H05-1168	32136	Temex	10.90		3.42	1.22	0.025		23	465	709
10284	195	H05-1169	32137	Temex	9.96		3.77	1.11	0.036		41	807	222
10285	195	H05-1170	32138	Temex	14.09		3.75	1.76	0.114		56	1031	560
10286	195	H05-1171	40157	Temex	18.64		4.22	1.86	0.127		61	1464	209
10287	195	H05-1172	40158	Temex	18.03		8.82	2.85	0.092		121	1654	982
10288	195	H05-1173	40159	Temex	12.32		8.15	0.51	0.001		25	326	160
10289	195	H05-1174	40160	Temex	13.36		3.60	1.73	0.098		61	799	768
10290	195	H05-1175	40161	Temex	17.50		7.98	2.18	0.061		66	1459	589
10291	195	H05-1176	40177	Temex	13.16		3.86	1.10	0.038		64	828	166
10292	195	H05-1177	40178	Temex	17.46		7.28	1.58	0.035		67	1187	287
10293	195	H05-1178	40179	Temex	10.90		3.16	1.42	0.064		51	1116	191
10294	195	H05-1179	40184	Temex	13.78		5.99	1.45	0.04		48	1184	179
10295	195	H05-1180	40185	Temex	13.75		3.77	1.06	0.043		38	785	189
10296	195	H05-1181	40186	Temex	15.17		5.03	1.05	0.033		34	803	180
10297	195	H05-1182	40190	Temex	16.87		3.84	1.11	0.03		42	783	253
10298	195	H05-1183	40191	Temex	14.45		5.12	1.30	0.055		49	1048	146
10299	195	H05-1184	40192	Temex	12.56		8.93	0.56	0.006		26	396	132
10300	195	H05-1185	40193	Temex	11.04		2.38	0.74	0.026		19	517	174
10301	195	H05-1186	40194	Temex	12.00		3.47	0.94	0.04		26	592	280
10302	195	H05-1187	40195	Temex	11.41		4.99	1.60	0.064		42	1191	306
10303	195	H05-1188	40196	Temex	11.42		6.98	1.44	0.059		149	1055	178
10304	195	H05-1189	40197	Temex	15.80		2.73	1.53	0.098		66	1109	255
10305	195	H05-1190	40198	Temex	11.72		1.67	1.05	0.046		19	939	45
10306	195	H05-1191	40199	Temex	14.38		6.07	1.41	0.054		64	1101	190
10307	195	H05-1192	40200	Temex	13.53		3.36	1.65	0.098		26	1263	264
10308	195	H05-1193	40201	Temex	10.98		2.21	0.79	0.035		21	650	86
10309	195	H05-1194	40202	Temex	10.73		1.40	0.44	0.016		10	362	53
10310	195	H05-1195	40203	Temex	13.34		4.42	1.14	0.062		68	806	201
10311	195	H05-1196	40218	Temex	14.55		10.66	1.53	0.029		81	1205	208
10312	195	H05-1197	40219	Temex	12.28		6.55	1.26	0.04		55	949	212
10313	195	H05-1198	40220	Temex	12.99		6.00	0.84	0.016		67	666	87
10314	195	H05-1199	40221	Temex	12.43		7.51	1.26	0.047		63	1026	119
10316	196	H05-1200	40222	Temex	13.04		6.82	0.94	0.028		67	773	70
10317	196	H05-1201	40223	Temex	12.25		6.11	0.75	0.022		281	353	91
10318	196	H05-1202	40224	Temex	15.85		9.43	1.61	0.026		176	1185	222
10319	196	H05-1203	40225	Temex	14.85		8.07	1.50	0.065		282	999	152
10320	196	H05-1204	40226	Temex	14.54		7.00	1.27	0.037		97	980	154
10321	196	H05-1205	40227	Temex	11.94		4.54	1.10	0.036		65	866	125
10322	196	H05-1206	40228	Temex	15.61		9.95	1.37	0.02		90	1149	109
10323	196	H05-1207	40229	Temex	11.64		4.95	1.07	0.032		55	782	193
10324	196	H05-1208	40230	Temex	13.25		7.86	1.10	0.025		78	841	158
10325	196	H05-1209	40231	Temex	15.38		9.00	1.72	0.028		297	1191	203
10326	196	H05-1210	40232	Temex	12.30		6.07	1.45	0.046		105	1040	259
10327	196	H05-1211	40233	Temex	14.98		5.58	1.08	0.015		57	752	253
10328	196	H05-1212	40234	Temex	11.41		3.25	1.06	0.094		42	670	248
10329	196	H05-1213	40235	Temex	13.04		8.35	0.82	0.006		75	645	92
10330	196	H05-1214	40236	Temex	12.13		7.14	0.92	0.034		109	659	114
10331	196	H05-1215	40237	Temex	14.67		8.13	1.33	0.031		92	1078	126

**APPENDIX C: PROCESSING SUMMARY**

VIPI Sample #	VIPI Job #	-0.86+0.25 mm Conc. #	Client		Screening weights					Magnetic Processing -0.86+0.25 mm			
					As-received Wt. Kg	+2 mm wet kg	+0.86 mm wet kg	-0.86+0.25 mm dry kg	-0.25 mm dry kg	Ferro-mag Fraction g	Strongly magnetic Fraction g	Weakly Magnetic fraction g	Non-Magnetic fraction g
10332	196	H05-1216	40238	Temex	13.16		5.63	1.16	0.023		46	749	344
10333	196	H05-1217	40239	Temex	14.82		9.50	2.28	0.099		159	1703	316
10334	196	H05-1218	40240	Temex	14.03		5.08	1.20	0.029		64	875	227
10335	196	H05-1219	40241	Temex	11.68		3.06	0.71	0.02		24	603	61
10336	196	H05-1220	40242	Temex	14.24		7.69	2.07	0.102		93	1430	444
10337	196	H05-1221	40243	Temex	14.31		6.44	1.31	0.041		68	1040	155
10338	196	H05-1222	40362	Temex	12.99		6.50	1.33	0.041		69	1051	171
10339	196	H05-1223	40363	Temex	10.02		5.37	0.87	0.007		43	710	115
10340	196	H05-1224	40364	Temex	13.29		6.22	1.32	0.007		85	969	261
10341	196	H05-1225	40370	Temex	12.83		6.36	1.24	0.028		65	771	378
10342	196	H05-1226	40371	Temex	12.00		6.00	1.19	0.043		84	796	268
10343	196	H05-1227	40372	Temex	15.98		6.13	0.78	0.002		53	623	100
10344	196	H05-1228	40373	Temex	13.02		5.76	0.83	0.007		46	666	109
10345	196	H05-1229	40374	Temex	13.85		6.11	1.05	0.016		95	769	173
10346	196	H05-1230	40375	Temex	13.48		7.53	1.07	0.033		73	813	148
10347	196	H05-1231	40376	Temex	13.51		0.63	0.22	0.008		28	168	11
10348	196	H05-1232	40377	Temex	12.11		5.55	0.55	0.012		55	404	76
10350	197	H05-1383	40448	Temex	11.37		2.81	1.32	0.021		55	398	845
10351	197	H05-1384	40449	Temex	11.38		3.35	1.55	0.028		52	479	993
10352	197	H05-1385	40450	Temex	12.31		7.66	2.27	0.109		113	654	1395
10353	197	H05-1386	40451	Temex	12.95		3.89	2.10	0.073		85	695	1246
10354	197	H05-1387	40452	Temex	14.25		4.77	2.17	0.093		111	639	1323
10355	197	H05-1388	40453	Temex	11.50		2.23	1.66	0.081		82	600	899
10356	197	Missing	40454	Temex	Missing		Missing	Missing	Missing	Missing	Missing	Missing	Missing
10357	197	H05-1389	40455	Temex	11.42		4.70	1.82	0.033		85	648	1054
10358	197	H05-1390	40456	Temex	11.84		3.01	2.91	0.197		188	1363	1156
10359	197	H05-1391	40457	Temex	10.24		2.97	2.15	0.049		93	695	1314
10360	197	H05-1392	40458	Temex	11.16		2.96	1.30	0.019		74	515	694
10361	197	H05-1393	40459	Temex	14.58		3.13	1.91	0.083		61	606	1160
10362	197	H05-1394	40460	Temex	12.05		4.24	1.04	0.012		37	436	557
10363	197	H05-1395	40461	Temex	10.78		3.06	1.17	0.017		79	466	608
10364	197	H05-1396	40462	Temex	10.98		2.31	1.76	0.081		93	522	1067
10365	197	H05-1397	40463	Temex	11.26		3.66	2.13	0.111		83	586	1347
10366	197	H05-1398	40464	Temex	10.58		1.06	0.80	0.01		46	290	450
10367	197	H05-1399	40465	Temex	11.99		3.59	2.02	0.076		50	1035	862
10368	197	H05-1400	40466	Temex	10.39		3.67	1.76	0.06		82	558	1063
10369	197	H05-1401	40467	Temex	11.55		6.35	1.60	0.048		55	562	939
10370	197	H05-1402	40468	Temex	10.68		6.43	1.30	0.012		86	525	674
10371	197	H05-1403	40469	Temex	10.25		4.01	1.85	0.071		99	747	933
10372	197	H05-1404	40470	Temex	10.65		2.25	1.80	0.082		69	497	1153
10373	197	H05-1405	40471	Temex	11.92		2.78	1.73	0.079		58	601	990
10374	197	H05-1406	40472	Temex	11.80		4.89	2.30	0.11		50	775	1375
10375	197	H05-1407	40473	Temex	11.24		4.18	1.51	0.01		36	583	875
10376	197	H05-1408	40474	Temex	11.10		2.12	1.47	0.076		38	466	890
10377	197	H05-1409	40475	Temex	11.07		2.77	1.52	0.057		162	617	681
10378	197	H05-1410	40476	Temex	10.20		4.65	1.91	0.066		32	963	852
10379	197	H05-1411	40477	Temex	11.56		3.02	1.75	0.085		23	525	1112
10380	197	H05-1412	40478	Temex	11.78		4.46	2.39	0.17		57	1115	1050

**APPENDIX C: PROCESSING SUMMARY**

VIPI Sample #	VIPI Job #	-0.86+0.25 mm Conc. #	Client Field #	Client	Screening weights					Magnetic Processing -0.86+0.25 mm			
					As-received Wt. Kg	+2 mm wet kg	+0.86 mm wet kg	-0.86+0.25 mm dry kg	-0.25 mm dry kg	Ferro-mag Fraction g	Strongly magnetic Fraction g	Weakly Magnetic fraction g	Non-Magnetic fraction g
10381	197	H05-1413	40479	Temex	10.57		2.44	0.84	0.014		28	236	564
10382	197	H05-1414	40480	Temex	12.19		3.08	1.95	0.108		27	544	1272
10383	197	Missing	40481	Temex	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing
10384	197	H05-1415	40482	Temex	11.41		2.97	1.30	0.052		44	322	884
10386	198	H05-1747	32069	Temex	16.60		3.61	2.13	0.078		158	938	952
10387	198	H05-1748	32070	Temex	18.11		7.65	2.37	0.115		308	1170	768
10388	198	H05-1749	32071	Temex	18.52		6.74	1.52	0.042		187	766	525
10389	198	H05-1750	32072	Temex	20.67		8.28	2.61	0.145		228	1382	858
10390	198	H05-1751	32097	Temex	10.23		2.76	0.91	0.031		55	469	357
10391	198	H05-1752	32098	Temex	10.32		5.09	0.99	0.023		71	647	251
10392	198	H05-1753	32099	Temex	11.77		4.11	1.23	0.048		97	675	413
10393	198	H05-1754	32100	Temex	11.27		4.51	1.57	0.088		86	900	493
10394	198	H05-1755	32101	Temex	13.99		2.52	0.77	0.061		65	343	300
10395	198	H05-1756	32102	Temex	14.76		9.03	0.75	0.039		113	442	153
10396	198	H05-1757	32103	Temex	17.16		9.37	2.23	0.048		127	1463	591
10397	198	H05-1758	32106	Temex	12.19		5.97	1.42	0.039		118	791	471
10398	198	H05-1759	32107	Temex	11.17		4.87	0.75	0.059		34	458	202
10399	198	H05-1780	32108	Temex	10.69		5.80	1.07	0.032		93	721	222
10400	198	H05-1761	32109	Temex	15.13		4.34	1.68	0.051		111	755	761
10401	198	H05-1782	32110	Temex	16.05		5.23	1.58	0.042		104	855	575
10402	198	H05-1783	32111	Temex	14.94		4.22	1.46	0.07		128	685	580
10403	198	H05-1784	32114	Temex	9.87		4.38	1.21	0.04		119	726	326
10404	198	H05-1785	32115	Temex	15.38		4.76	2.05	0.147		236	1030	639
10405	198	H05-1766	32116	Temex	15.79		9.37	1.57	0.027		131	899	512
10406	198	H05-1767	32117	Temex	15.02		3.81	1.30	0.032		97	756	409
10407	198	H05-1768	32118	Temex	17.38		3.55	1.92	0.086		107	703	1020
10408	198	H05-1769	32119	Temex	13.13		3.64	1.81	0.09		110	749	855
10409	198	H05-1770	32120	Temex	17.80		5.91	1.62	0.047		112	1018	443
10410	198	H05-1771	32121	Temex	12.80		3.92	1.71	0.099		116	889	600
10411	198	H05-1772	32122	Temex	15.68		6.23	1.36	0.047		104	824	382
10412	198	H05-1773	32123	Temex	11.38		4.29	1.38	0.054		176	808	343
10413	198	H05-1774	32127	Temex	10.73		4.00	1.19	0.048		91	728	323
10414	198	H05-1775	32139	Temex	16.50		5.14	2.21	0.057		201	1361	583
10415	198	H05-1778	32140	Temex	17.71		7.43	2.33	0.148		306	1425	453
10416	198	H05-1777	32141	Temex	12.37		3.81	1.25	0.035		83	718	416
10417	198	H05-1778	32142	Temex	15.47		6.47	1.83	0.07		177	1239	336
10418	198	H05-1779	32143	Temex	12.67		5.73	1.61	0.044		81	1151	328
10419	198	H05-1780	40258	Temex	16.92		8.72	3.46	0.164		181	1220	1889
10420	198	H05-1781	40259	Temex	12.38		5.46	1.80	0.044		159	864	733
10421	198	H05-1782	40260	Temex	17.83		5.58	1.76	0.093		113	1084	473
10422	198	H05-1783	40261	Temex	15.15		12.32	2.26	0.029		204	1357	672
10423	198	H05-1784	40262	Temex	11.49		9.02	1.24	0.032		296	643	265
10424	198	H05-1785	40263	Temex	13.27		9.27	1.21	0.016		434	617	141
10425	198	H05-1786	40271	Temex	14.74		6.46	2.71	0.154		202	1215	1137
10426	198	H05-1787	40272	Temex	14.80		6.78	3.02	0.156		145	1148	1572
10427	198	H05-1788	40273	Temex	10.76		4.34	2.00	0.107		147	885	855
10428	198	H05-1789	40274	Temex	12.88		3.14	2.07	0.104		100	831	1031
10429	198	H05-1790	40356	Temex	10.48		2.76	1.18	0.065		112	605	396

2.32569

**APPENDIX C: PROCESSING SUMMARY**

VIPI Sample #	VIPI Job #	-0.86+0.25 mm Conc. #	Client		As-received Wt. Kg	Screening weights				Magnetic Processing -0.86+0.25 mm			
						+2 mm wet kg	+0.86 mm wet kg	-0.86+0.25 mm dry kg	-0.25 mm dry kg	Ferro-mag Fraction g	Strongly magnetic Fraction g	Weakly Magnetic fraction g	Non-Magnetic fraction g
10430	198	H05-1791	40357	Temex	10.95		5.62	2.10	0.082		141	1097	782
10431	198	H05-1792	40358	Temex	11.56		3.96	1.10	0.046		93	652	305
10432	198	H05-1793	40359	Temex	14.35		5.20	1.98	0.07		109	955	846
10433	198	H05-1794	40360	Temex	12.41		3.24	0.87	0.032		56	451	326
10434	198	H05-1795	40361	Temex	11.71		2.87	1.71	0.107		96	880	622
10435	198	H05-1796	40401	Temex	9.79		3.47	1.43	0.099		83	798	451
10436	198	H05-1797	40403	Temex	12.45		5.38	1.45	0.048		114	877	408
10437	198	H05-1798	40404	Temex	11.48		4.23	1.36	0.052		85	742	478
10438	198	H05-1799	40405	Temex	10.50		4.90	1.25	0.041		92	708	410
10439	198	H05-1800	40406	Temex	11.95		4.38	1.62	0.04		172	1015	393
10440	198	H05-1801	40407	Temex	9.59		3.33	0.95	0.022		106	574	250
10441	198	H05-1802	40408	Temex	10.53		3.88	1.32	0.025		113	756	425
10442	198	H05-1803	40409	Temex	10.29		4.61	1.43	0.039		164	924	302
10443	198	H05-1804	40410	Temex	9.61		4.71	1.04	0.013		99	619	313
10444	198	H05-1805	40411	Temex	10.30		5.87	1.03	0.015		144	682	185
10445	198	H05-1806	40485	Temex	23.77		12.43	3.27	0.098		193	1872	1108
10446	198	H05-1807	40486	Temex	16.06		7.63	1.66	0.048		108	817	691
10447	198	H05-1808	40487	Temex	19.20		8.97	1.70	0.035		129	992	539
10448	198	H05-1809	40488	Temex	15.87		6.17	1.91	0.032		139	878	857
10449	198	H05-1810	40492	Temex	16.50		6.18	1.93	0.065		125	958	784
10450	198	H05-1811	40493	Temex	18.32		7.54	1.68	0.093		206	921	461
10451	198	H05-1812	40494	Temex	15.71		5.50	2.50	0.083		184	1218	1015
10452	198	H05-1813	40495	Temex	13.05		4.63	2.27	0.113		127	902	1124
10453	198	H05-1814	40496	Temex	15.69		4.87	3.40	0.053		223	1255	1871
10454	198	H05-1815	40497	Temex	16.43		6.63	2.43	0.089		206	1045	1090
10455	198	H05-1816	40500	Temex	18.48		9.85	1.97	0.07		137	791	970

**APPENDIX C: PROCESSING SUMMARY**

VIPI Sample #	VIPI Job #	-0.86+0.25 mm Conc. #	Client		Heavy Liquid processing -0.86+.25mm				
					Start Weight for heavy liquids g	TBE(<2.96 SG) float g	TBE(>2.96 SG) sink g	MI (<3.30 SG) float g	MI (>3.30 SG) sink g
10234	194	H05-1120	32003	Temex	801.0	759.0	42.0	37.3	4.7
10235	194	H05-1121	32004	Temex	931.0	814.0	117.0	61.2	56.1
10236	194	H05-1122	32005	Temex	754.0	706.3	47.7	42.6	5.0
10237	194	H05-1123	32006	Temex	919.0	887.2	31.8	29.2	2.6
10238	194	H05-1124	32007	Temex	803.0	757.4	45.6	40.6	4.9
10239	194	H05-1125	32008	Temex	929.0	889.2	39.8	35.8	4.0
10240	194	H05-1126	32009	Temex	1191.0	1148.5	42.5	39.2	3.3
10241	194	H05-1127	32010	Temex	822.0	781.0	41.0	37.1	3.8
10242	194	H05-1128	32011	Temex	1105.0	1044.8	60.2	54.1	6.1
10243	194	H05-1129	32012	Temex	797.0	765.2	31.8	28.6	3.2
10244	194	H05-1130	32013	Temex	1101.0	1059.0	42.0	38.1	3.8
10245	194	H05-1131	32014	Temex	760.0	705.8	54.2	48.5	5.6
10246	194	H05-1132	32015	Temex	1027.0	998.0	29.0	25.9	3.1
10247	194	H05-1133	32016	Temex	584.0	559.3	24.7	22.3	2.4
10248	194	H05-1134	32017	Temex	985.0	943.8	41.2	37.8	3.4
10249	194	H05-1135	32018	Temex	1617.0	1524.2	92.8	86.1	6.7
10250	194	H05-1136	32019	Temex	1151.0	1095.6	55.4	50.5	4.9
10251	194	H05-1137	32020	Temex	1309.0	1247.6	61.4	56.5	4.9
10252	194	H05-1138	32021	Temex	1281.0	1198.5	82.5	76.5	6.0
10253	194	H05-1139	32022	Temex	1239.0	1164.7	74.3	68.2	6.1
10254	194	H05-1140	32023	Temex	1078.0	1022.8	55.2	50.1	5.0
10255	194	H05-1141	32024	Temex	1195.0	1048.9	146.1	129.7	16.4
10256	194	H05-1142	32025	Temex	1227.0	1103.9	123.1	108.6	14.5
10257	194	H05-1143	32026	Temex	1337.0	1221.8	115.2	99.9	15.5
10258	194	H05-1144	32027	Temex	853.0	812.0	41.0	36.9	4.1
10259	194	H05-1145	32028	Temex	553.0	517.8	35.2	33.0	2.2
10260	194	H05-1146	32029	Temex	889.0	823.4	65.6	58.9	6.8
10261	194	H05-1147	32030	Temex	1191.0	1122.0	69.0	63.0	6.2
10262	194	H05-1148	32031	Temex	458.0	439.3	18.7	17.4	1.3
10263	194	H05-1149	32032	Temex	907.0	860.5	46.5	42.7	3.8
10264	194	H05-1150	32033	Temex	589.0	562.8	26.2	24.3	2.0
10265	194	H05-1151	32034	Temex	1579.0	1469.7	109.3	99.0	10.4
10266	194	H05-1152	32035	Temex	1683.0	1607.0	76.0	69.9	6.3
10267	194	H05-1153	32036	Temex	988.0	921.6	48.4	41.5	5.0
10268	194	H05-1154	32037	Temex	985.0	941.4	43.6	40.8	2.9
10269	194	H05-1155	32038	Temex	727.0	682.3	44.7	40.0	4.7
10270	194	H05-1156	32039	Temex	1312.0	1215.1	96.9	89.0	7.9
10271	194	H05-1157	32124	Temex	1160.0	1087.6	72.4	66.1	6.3
10272	194	H05-1158	32125	Temex	1293.0	1146.8	146.2	134.5	11.7
10273	194	H05-1159	32126	Temex	691.0	615.9	75.1	65.5	9.6
10275	195	H05-1160	32128	Temex	1258.0	1145.7	112.3	102.6	9.7
10276	195	H05-1161	32129	Temex	783.0	695.6	87.4	76.3	11.1
10277	195	H05-1162	32130	Temex	865.0	761.9	103.1	93.9	9.1
10278	195	H05-1163	32131	Temex	1144.0	1068.6	75.4	67.8	7.6
10279	195	H05-1164	32132	Temex	888.8	819.7	69.1	62.3	6.8
10280	195	H05-1165	32133	Temex	880.8	812.2	68.6	57.2	11.5
10281	195	H05-1166	32134	Temex	1124.0	1022.6	101.4	93.9	7.6
10282	195	H05-1167	32135	Temex	665.0	586.6	78.4	71.3	7.2

**APPENDIX C: PROCESSING SUMMARY**

VIPI Sample #	VIPI Job #	-0.86+0.25 mm Conc. #	Client Field #	Client	Heavy Liquid processing -0.86+.25mm				
					Start Weight for heavy liquids g	TBE(<2.96 SG) float g	TBE(>2.96 SG) sink g	MI (<3.30 SG) float g	MI (>3.30 SG) sink g
10283	195	H05-1168	32136	Temex	488.0	434.5	53.5	48.8	4.7
10284	195	H05-1169	32137	Temex	846.0	801.5	44.5	41.0	3.5
10285	195	H05-1170	32138	Temex	1086.0	991.6	94.4	88.9	5.5
10286	195	H05-1171	40157	Temex	1524.0	1276.3	247.7	242.7	4.6
10287	195	H05-1172	40158	Temex	1773.0	1646.3	126.7	113.8	12.6
10288	195	H05-1173	40159	Temex	351.0	286.3	64.7	60.7	4.0
10289	195	H05-1174	40160	Temex	859.0	738.8	120.2	112.4	7.7
10290	195	H05-1175	40161	Temex	1524.0	1429.1	94.9	84.8	10.1
10291	195	H05-1176	40177	Temex	891.0	778.6	112.4	63.6	48.6
10292	195	H05-1177	40178	Temex	1252.0	1166.5	85.5	74.4	11.1
10293	195	H05-1178	40179	Temex	1167.0	1119.2	47.8	44.2	3.4
10294	195	H05-1179	40184	Temex	1231.0	1206.1	24.9	23.0	1.9
10295	195	H05-1180	40185	Temex	822.0	781.4	40.6	37.0	3.5
10296	195	H05-1181	40186	Temex	837.0	783.0	54.0	49.1	4.9
10297	195	H05-1182	40190	Temex	824.0	751.6	72.4	66.1	6.4
10298	195	H05-1183	40191	Temex	1096.0	1061.2	34.8	27.0	7.9
10299	195	H05-1184	40192	Temex	422.0	371.6	50.4	42.6	7.9
10300	195	H05-1185	40193	Temex	536.0	507.7	28.3	25.7	2.6
10301	195	H05-1186	40194	Temex	618.0	586.9	31.1	28.6	2.6
10302	195	H05-1187	40195	Temex	1232.0	1180.6	51.4	45.1	6.3
10303	195	H05-1188	40196	Temex	1204.0	1060.9	143.1	69.8	73.8
10304	195	H05-1189	40197	Temex	1175.0	1151.2	23.8	19.5	4.2
10305	195	H05-1190	40198	Temex	958.0	949.9	8.1	6.7	1.3
10306	195	H05-1191	40199	Temex	1164.0	1123.4	40.6	37.6	3.0
10307	195	H05-1192	40200	Temex	1287.0	1269.7	17.3	15.1	2.2
10308	195	H05-1193	40201	Temex	671.0	656.3	14.7	13.0	1.7
10309	195	H05-1194	40202	Temex	372.0	356.0	16.0	14.8	1.2
10310	195	H05-1195	40203	Temex	873.0	773.9	99.1	88.8	10.5
10311	195	H05-1196	40218	Temex	1286.0	1162.5	123.5	113.4	10.3
10312	195	H05-1197	40219	Temex	1004.0	901.8	102.2	94.3	8.0
10313	195	H05-1198	40220	Temex	731.0	693.2	37.8	36.2	1.6
10314	195	H05-1199	40221	Temex	1088.0	1050.3	37.7	34.6	3.1
10316	196	H05-1200	40222	Temex	840.0	808.9	31.1	28.6	2.5
10317	196	H05-1201	40223	Temex	634.0	588.7	45.3	40.1	5.2
10318	196	H05-1202	40224	Temex	1360.0	1271.2	88.8	81.4	7.4
10319	196	H05-1203	40225	Temex	1281.0	1224.7	56.3	50.5	5.8
10320	196	H05-1204	40226	Temex	1077.0	1044.2	32.8	28.9	3.9
10321	196	H05-1205	40227	Temex	930.0	888.1	41.9	33.9	8.0
10322	196	H05-1206	40228	Temex	1237.0	1164.3	72.7	61.6	11.1
10323	196	H05-1207	40229	Temex	836.0	798.7	37.3	33.2	4.1
10324	196	H05-1208	40230	Temex	918.0	869.7	48.3	38.7	9.6
10325	196	H05-1209	40231	Temex	1486.0	1401.0	85.0	76.6	8.4
10326	196	H05-1210	40232	Temex	1145.0	1102.6	42.4	37.6	4.8
10327	196	H05-1211	40233	Temex	809.0	773.1	35.9	31.8	4.1
10328	196	H05-1212	40234	Temex	711.0	688.4	22.6	20.3	2.3
10329	196	H05-1213	40235	Temex	720.0	715.0	5.0	3.7	1.3
10330	196	H05-1214	40236	Temex	768.0	733.4	34.6	30.4	4.2
10331	196	H05-1215	40237	Temex	1170.0	1130.7	39.3	33.9	5.2



**APPENDIX C: PROCESSING SUMMARY**

VIPI Sample #	VIPI Job #	-0.86+0.25 mm Conc. #	Client		Heavy Liquid processing -0.86+.25mm				
			Field #	Client	Start Weight for heavy liquids g	TBE(<2.96 SG) float g	TBE(>2.96 SG) sink g	MI (<3.30 SG) float g	MI(>3.30 SG) sink g
10332	196	H05-1216	40238	Temex	794.0	753.0	41.0	38.7	2.3
10333	196	H05-1217	40239	Temex	1861.0	1780.3	80.7	72.9	7.8
10334	196	H05-1218	40240	Temex	938.0	901.6	36.4	33.7	2.6
10335	196	H05-1219	40241	Temex	625.0	617.8	7.2	5.1	2.1
10336	196	H05-1220	40242	Temex	1522.0	1391.9	130.1	119.9	10.2
10337	196	H05-1221	40243	Temex	1106.0	1053.8	52.2	44.0	8.1
10338	196	H05-1222	40362	Temex	1118.0	1086.0	32.0	29.1	2.8
10339	196	H05-1223	40363	Temex	752.0	724.3	27.7	25.6	2.1
10340	196	H05-1224	40364	Temex	1053.0	994.2	58.8	54.5	4.2
10341	196	H05-1225	40370	Temex	835.0	780.1	54.9	49.9	5.0
10342	196	H05-1226	40371	Temex	880.0	838.5	41.5	38.4	3.0
10343	196	H05-1227	40372	Temex	675.0	657.8	17.2	14.8	2.3
10344	196	H05-1228	40373	Temex	712.0	679.9	32.1	29.9	2.1
10345	196	H05-1229	40374	Temex	863.0	823.3	39.7	36.6	3.0
10346	196	H05-1230	40375	Temex	886.0	846.8	39.2	34.9	4.2
10347	196	H05-1231	40376	Temex	198.0	196.5	1.5	1.4	0.01
10348	196	H05-1232	40377	Temex	458.0	441.5	16.5	15.3	1.1
10350	197	H05-1383	40448	Temex	453.0	403.5	49.5	44.5	5.0
10351	197	H05-1384	40449	Temex	531.0	462.0	69.0	63.8	5.0
10352	197	H05-1385	40450	Temex	766.0	632.2	133.8	122.2	11.7
10353	197	H05-1388	40451	Temex	779.0	699.6	79.4	68.8	10.7
10354	197	H05-1387	40452	Temex	749.0	670.2	78.8	66.5	12.3
10355	197	H05-1388	40453	Temex	681.0	622.5	58.5	53.0	5.4
10356	197	Missing	40454	Temex	Missing	Missing	Missing	Missing	Missing
10357	197	H05-1389	40455	Temex	733.0	645.6	87.4	76.8	10.6
10358	197	H05-1390	40456	Temex	1550.0	1498.8	51.2	45.3	5.8
10359	197	H05-1391	40457	Temex	787.0	720.4	66.6	56.3	10.3
10360	197	H05-1392	40458	Temex	588.0	544.1	43.9	40.2	3.6
10361	197	H05-1393	40459	Temex	667.0	624.9	42.1	39.6	2.4
10362	197	H05-1394	40460	Temex	472.0	443.9	28.1	26.5	1.6
10363	197	H05-1395	40461	Temex	544.0	506.4	37.6	30.6	7.0
10364	197	H05-1396	40462	Temex	614.0	523.1	90.9	86.9	4.1
10365	197	H05-1397	40463	Temex	669.0	592.3	76.7	67.5	9.3
10366	197	H05-1398	40464	Temex	336.0	286.4	49.6	32.2	17.3
10367	197	H05-1399	40465	Temex	1084.0	852.0	232.0	226.8	4.8
10368	197	H05-1400	40466	Temex	639.0	546.7	92.3	74.8	17.4
10369	197	H05-1401	40467	Temex	617.0	507.6	109.4	88.4	21.0
10370	197	H05-1402	40468	Temex	610.0	537.5	72.5	52.0	20.6
10371	197	H05-1403	40469	Temex	845.0	794.6	50.4	38.6	11.8
10372	197	H05-1404	40470	Temex	567.0	477.5	89.5	82.8	6.7
10373	197	H05-1405	40471	Temex	658.0	603.2	54.8	49.2	5.4
10374	197	H05-1406	40472	Temex	825.0	758.7	66.3	62.1	4.2
10375	197	H05-1407	40473	Temex	619.0	565.9	53.1	48.1	5.0
10376	197	H05-1408	40474	Temex	504.0	459.7	44.3	41.4	2.9
10377	197	H05-1409	40475	Temex	779.0	743.3	35.7	32.7	2.8
10378	197	H05-1410	40476	Temex	995.0	899.5	95.5	87.7	7.6
10379	197	H05-1411	40477	Temex	548.0	495.6	52.4	44.4	8.0
10380	197	H05-1412	40478	Temex	1170.0	1124.5	45.5	42.0	3.5

**APPENDIX C: PROCESSING SUMMARY**

VIPI Sample #	VIPI Job #	-0.86+0.25 mm Conc. #	Client Field #	Client	Heavy Liquid processing -0.86+.25mm				
					Start Weight for heavy liquids g	TBE(<2.96 SG) float g	TBE(>2.96 SG) sink g	MI (<3.30 SG) float g	MI(>3.30 SG) sink g
10381	197	H05-1413	40479	Temex	264.0	241.6	22.4	20.2	2.2
10382	197	H05-1414	40480	Temex	571.0	509.4	61.6	51.6	9.9
10383	197	Missing	40481	Temex	Missing	Missing	Missing	Missing	Missing
10384	197	H05-1415	40482	Temex	366.0	319.9	46.1	42.0	4.0
10386	198	H05-1747	32069	Temex	1094.0	939.6	154.4	147.6	6.6
10387	198	H05-1748	32070	Temex	1477.0	1297.5	179.5	172.2	7.1
10388	198	H05-1749	32071	Temex	952.0	821.3	130.7	123.0	7.6
10389	198	H05-1750	32072	Temex	1609.0	1398.9	210.1	194.8	15.1
10390	198	H05-1751	32097	Temex	523.0	462.5	60.5	54.6	5.9
10391	198	H05-1752	32098	Temex	718.0	669.0	49.0	45.4	3.5
10392	198	H05-1753	32099	Temex	772.0	707.4	64.6	56.8	7.5
10393	198	H05-1754	32100	Temex	986.0	914.4	71.6	65.7	5.8
10394	198	H05-1755	32101	Temex	408.0	388.5	19.5	18.4	1.1
10395	198	H05-1756	32102	Temex	555.0	527.3	27.7	26.2	1.4
10396	198	H05-1757	32103	Temex	1590.0	1493.3	96.7	90.1	6.4
10397	198	H05-1758	32106	Temex	908.0	758.5	149.5	139.5	9.9
10398	198	H05-1759	32107	Temex	492.0	455.0	37.0	34.4	2.5
10399	198	H05-1760	32108	Temex	813.0	773.8	39.2	36.8	2.5
10400	198	H05-1761	32109	Temex	865.0	768.3	96.7	90.4	6.2
10401	198	H05-1762	32110	Temex	958.0	856.5	101.5	94.4	7.1
10402	198	H05-1763	32111	Temex	813.0	688.1	124.9	117.5	7.3
10403	198	H05-1764	32114	Temex	844.0	769.4	74.6	67.5	7.0
10404	198	H05-1765	32115	Temex	1264.0	1102.7	161.3	149.4	11.7
10405	198	H05-1766	32116	Temex	1029.0	921.6	107.4	97.3	10.1
10406	198	H05-1767	32117	Temex	853.0	764.0	89.0	80.0	8.9
10407	198	H05-1768	32118	Temex	810.0	684.5	145.5	135.7	9.7
10408	198	H05-1769	32119	Temex	858.0	733.2	124.8	114.1	10.5
10409	198	H05-1770	32120	Temex	1129.0	1029.5	99.5	91.8	7.5
10410	198	H05-1771	32121	Temex	1005.0	869.9	115.1	101.0	14.0
10411	198	H05-1772	32122	Temex	927.0	862.7	64.3	55.6	8.6
10412	198	H05-1773	32123	Temex	984.0	873.0	111.0	101.8	9.2
10413	198	H05-1774	32127	Temex	818.0	733.1	84.9	76.9	7.9
10414	198	H05-1775	32139	Temex	1561.0	1439.4	121.6	114.0	7.5
10415	198	H05-1776	32140	Temex	1730.0	1550.3	179.7	158.5	21.2
10416	198	H05-1777	32141	Temex	799.0	727.9	71.1	65.3	5.8
10417	198	H05-1778	32142	Temex	1415.0	1336.6	78.4	70.6	7.8
10418	198	H05-1779	32143	Temex	1231.0	1175.4	55.6	52.2	3.4
10419	198	H05-1780	40258	Temex	1400.0	1208.2	191.8	172.6	19.3
10420	198	H05-1781	40259	Temex	1023.0	928.9	94.1	82.6	11.5
10421	198	H05-1782	40260	Temex	1197.0	1126.8	70.2	61.0	9.1
10422	198	H05-1783	40261	Temex	1560.0	1343.6	216.4	200.6	15.8
10423	198	H05-1784	40262	Temex	939.0	851.3	87.7	82.5	5.2
10424	198	H05-1785	40263	Temex	1050.0	946.3	103.7	98.0	5.7
10425	198	H05-1786	40271	Temex	1416.0	1229.8	186.2	173.5	12.7
10426	198	H05-1787	40272	Temex	1292.0	1033.3	258.7	240.3	18.4
10427	198	H05-1788	40273	Temex	1031.0	916.9	114.1	104.3	9.7
10428	198	H05-1789	40274	Temex	930.0	836.9	93.1	84.4	8.6
10429	198	H05-1790	40356	Temex	717.0	633.0	84.0	79.3	4.6

**APPENDIX C: PROCESSING SUMMARY**

VIPI Sample #	VIPI Job #	-0.86+0.25 mm Conc. #	Client		Heavy Liquid processing -0.86+.25mm				
					Start Weight for heavy liquids g	TBE(<2.96 SG) float g	TBE(>2.96 SG) sink g	MI (<3.30 SG) float g	MI(>3.30 SG) sink g
10430	198	H05-1791	40357	Temex	1236.0	1020.5	215.5	203.1	12.2
10431	198	H05-1792	40358	Temex	745.0	636.0	109.0	97.4	11.6
10432	198	H05-1793	40359	Temex	1062.0	866.2	195.8	185.1	10.5
10433	198	H05-1794	40360	Temex	507.0	448.0	59.0	55.2	3.8
10434	198	H05-1795	40361	Temex	975.0	815.2	159.8	152.2	7.6
10435	198	H05-1796	40401	Temex	881.0	814.4	66.6	63.8	2.8
10438	198	H05-1797	40403	Temex	990.0	883.9	106.1	97.4	8.7
10437	198	H05-1798	40404	Temex	826.0	713.9	112.1	103.1	9.0
10438	198	H05-1799	40405	Temex	798.0	689.3	108.7	97.2	11.5
10439	198	H05-1800	40406	Temex	1186.0	1088.9	97.1	81.4	15.7
10440	198	H05-1801	40407	Temex	679.0	643.1	35.9	33.0	2.9
10441	198	H05-1802	40408	Temex	868.0	784.6	83.4	76.6	6.8
10442	198	H05-1803	40409	Temex	1087.0	977.1	109.9	98.7	11.2
10443	198	H05-1804	40410	Temex	717.0	660.7	56.3	49.2	7.1
10444	198	H05-1805	40411	Temex	825.0	802.2	22.8	20.8	1.9
10445	198	H05-1806	40485	Temex	2122.0	1996.9	125.1	110.0	15.2
10448	198	H05-1807	40486	Temex	924.0	834.0	90.0	74.0	16.2
10447	198	H05-1808	40487	Temex	1120.0	1050.4	69.6	62.5	7.1
10448	198	H05-1809	40488	Temex	1015.0	896.5	118.5	105.9	12.8
10449	198	H05-1810	40492	Temex	1082.0	999.8	82.2	72.3	10.0
10450	198	H05-1811	40493	Temex	1126.0	1035.1	90.9	77.1	13.9
10451	198	H05-1812	40494	Temex	1401.0	1260.8	140.2	130.4	10.2
10452	198	H05-1813	40495	Temex	1028.0	917.1	110.9	101.1	10.0
10453	198	H05-1814	40496	Temex	1477.0	1155.5	321.5	305.6	15.7
10454	198	H05-1815	40497	Temex	1251.0	1052.8	198.2	183.6	14.3
10455	198	H05-1816	40500	Temex	927.0	815.3	111.7	101.8	9.8

**APPENDIX D**

**KIM Dynamics Picking Results: KIM Data**

## APPENDIX D: Final Picking Results

## Temex Wilson Lake Diamond Project: 2006 Till Sampling Program

#	Client #	TeckLab #	Job #	Weight (g)		KIM						Hours spent on picking (h)	Background	
				Picked (>0.25m m)	Not picked (HM +<0.25mm )	Peridotitic garnet	Eclogitic garnet	Picroilmenite	Chromite	Chrome diopside	Olivine			Total
1	32128	H06-1160	195	5.5	4.1	14		13	8			35	3	
2	32129	H06-1161	195	6.1	4.8	19		66	2			87	4	
3	32130	H06-1162	195	5.0	3.5	2		23	7			32	3.8	
4	32131	H06-1163	195	4.3	3.4	36	7	235	15	3		296	5.2	
5	32132	H06-1164	195	3.1	3.5	29	6	76	6			117	4.5	
6	32133	H06-1165	195	4.3	7.1	10		57	5			72	3	
7	32134	H06-1166	195	3.6	4.0	1		1	7			9	1.8	
8	32135	H06-1167	195	3.9	3.1			1	4			5	2	
9	32136	H06-1168	195	3.3	1.3	1	1	9	8		1	20	2	
10	32137	H06-1169	195	1.7	1.6	1		5	5			11	2.2	
11	32138	H06-1170	195	3.5	1.9	6		4	2	1		13	2.5	
12	40157	H06-1171	195	2.7	1.9	2		4	1466			1472	6	
13	40158	H06-1172	195	6.3	6.0	21		49	39	1		110	4.5	
14	40159	H06-1173	195	2.2	1.8			1	1			2	1.1	
15	40160	H06-1174	195	4.2	3.5	4		7	8	1		20	3	
16	40161	H06-1175	195	4.9	4.6	11		29	15	1		56	3	
17	40177	H06-1176	195	4.2	5.1			5	2			7	2.2	
18	40178	H06-1177	195	4.5	6.5	5	1	13	12	1		32	3	
19	40179	H06-1178	195	1.3	1.7	3		4	4			11	1	
20	40184	H06-1179	195	0.6	1.0	3		1	3			7	0.5	
21	40185	H06-1180	195	1.7	1.8	2	1	8	3			14	1.5	
22	40186	H06-1181	195	2.7	2.2	3		12	5	2		22	2.5	
23	40190	H06-1182	195	3.2	3.2	2		22	14			38	2.5	
24	40191	H06-1183	195	2.2	5.2	1		2	5			8	1.3	
25	40192	H06-1184	195	3.9	4.0	2		35	14		1	52	3.2	pyrite/chalcopyrite
26	40193	H06-1185	195	1.6	1.1	1		5	2			8	1.2	
27	40194	H06-1186	195	1.6	1.1	1		2	3			6	1	
28	40195	H06-1187	195	2.9	3.1	3	1	21	24	3	1	53	3.3	
29	40196	H06-1188	195	13.5	1.4							0	5.1	
30	40197	H06-1189	195	1.2	2.5	4	2	12	5			23	1.2	
31	40198	H06-1190	195	0.4	0.7							0	0.3	

#	Client #	TeckLab #	Job #	Weight (g)		KIM						Hours spent on picking (h)	Background	
				Picked (>0.25m m)	Not picked (HM +<0.25mm )	Peridotitic garnet	Eclogitic garnet	Picroilmenite	Chromite	Chrome diopside	Olivine			Total
32	40199	H06-1191	195	1.4	1.4	3	2	4	6			15	1.2	
33	40200	H06-1192	195	0.7	1.1	1		1	7			9	1	
34	40201	H06-1193	195	0.7	0.8			1	1			2	0.5	
35	40202	H06-1194	195	0.6	0.3							0	0.5	
36	40203	H06-1195	195	3.4	7.1				2			2	1.6	
37	40218	H06-1196	195	5.5	4.6	4		6	2			12	3	
38	40219	H06-1197	195	4.1	3.9				1			1	2	
39	40220	H06-1198	195	1.3	0.3			1	2		1	4	1	
40	40221	H06-1199	195	1.6	1.6				9			9	1	
41	40222	H06-1200	196	1.0	1.3							0	0.5	
42	40223	H06-1201	196	2.5	2.6			2	2			4	1	
43	40224	H06-1202	196	4.0	3.4	3		1	10			14	2.5	
44	40225	H06-1203	196	2.6	3.2		1	3	13			17	1.5	pyrite/chalcopyrite
45	40226	H06-1204	196	1.8	2.0	2		7	4	2		15	1.2	
46	40227	H06-1205	196	1.7	5.7	2		4	5			11	1	
47	40228	H06-1206	196	4.2	6.7	2		8	2	1		13	2.3	
48	40229	H06-1207	196	2.0	2.0	1	1	3	7			12	1	
49	40230	H06-1208	196	4.0	5.4	2		12	9			23	2.3	
50	40231	H06-1209	196	4.3	4.0	1		9	8			18	2.5	
51	40232	H06-1210	196	2.2	2.4			4	12	1		17	1.2	sapphire
52	40233	H06-1211	196	2.6	1.3	1	1	8	12	1		23	2	
53	40234	H06-1212	196	1.1	1.0	3	1	7	8			19	1.2	
54	40235	H06-1213	196	0.7	0.5			1	1			2	0.5	pyrite/chalcopyrite
55	40236	H06-1214	196	2.2	1.9	1		4	10			15	1.3	
56	40237	H06-1215	196	2.0	3.1			3	3			6	1.2	
57	40238	H06-1216	196	1.5	0.8	1		3	6	1		11	1.5	
58	40239	H06-1217	196	4.1	3.5	6	2	25	13			46	3.5	
59	40240	H06-1218	196	1.3	1.2			7	11	1		19	1	
60	40241	H06-1219	196	1.1	0.9				2			2	0.5	
61	40242	H06-1220	196	4.3	5.7	1		1	22	1		25	3.5	
62	40243	H06-1221	196	1.5	6.0	1		2	5			8	1	
63	40362	H06-1222	196	1.1	1.6	1	1	2	5			9	1	
64	40363	H06-1223	196	1.2	0.9	1			7			8	0.8	
65	40364	H06-1224	196	2.5	1.8	2		7	3			12	1.5	
66	40370	H06-1225	196	2.5	2.4	1		4	8	1		14	1.5	

#	Client #	TeckLab #	Job #	Weight (g)		KIM							Hours spent on picking (h)	Background
				Picked (>0.25m m)	Not picked (HM +<0.25mm )	Peridotitic garnet	Eclogitic garnet	Picroilmenite	Chromite	Chrome diopside	Olivine	Total		
67	40371	H06-1226	196	1.0	1.3	2		3	11	4		20	1.2	
68	40372	H06-1227	196	1.0	1.2				5			5	1	
69	40373	H06-1228	196	1.2	0.9			3	5	1		9	1.1	
70	40374	H06-1229	196	1.6	1.4			3	8	3		14	1.2	
71	40375	H06-1230	196	2.0	2.2			2	4			6	1.2	
72	40376	H06-1231	196	0.1	0.0			1	2			3	0.1	
73	40377	H06-1232	196	0.6	0.5	4		1	1			6	0.5	
74	32003	H06-1120	194	2.4	2.3	1		4	7	2		14	1.3	
75	32004	H06-1121	194	4.8	1.6			4	2			6	2.2	
76	32005	H06-1122	194	2.7	2.2	2		9	16			27	2	
77	32006	H06-1123	194	1.5	1.3	1		3	2	2		8	1	
78	32007	H06-1124	194	2.8	2.3	1		5	6	1		13	1.4	
79	32008	H06-1125	194	2.1	1.7	2		7	5	1		15	1	
80	32009	H06-1126	194	1.8	1.6			2	4	1		7	1	
81	32010	H06-1127	194	2.2	1.8				4	2		6	1.5	
82	32011	H06-1128	194	3.0	3.0	1		3	5	1		10	2	pyrite/chalcopyrite
83	32012	H06-1129	194	1.9	1.3	1		1	4			6	1	
84	32013	H06-1130	194	2.2	1.6	1		9	8			18	1.2	
85	32014	H06-1131	194	3.4	2.2			4	5	3		12	2	
86	32015	H06-1132	194	1.9	1.3		1		7			8	1	
87	32016	H06-1133	194	1.5	1.0	3		3	2			8	1	
88	32017	H06-1134	194	1.8	1.7	2	1	7	3			13	1	
89	32018	H06-1135	194	4.2	2.6	6	1	20	13			40	2.8	
90	32019	H06-1136	194	2.2	2.6	8	1	24	10			43	2	
91	32020	H06-1137	194	2.5	2.3	5	1	24	12			42	1.8	
92	32021	H06-1138	194	3.7	2.3	12	1	30	7	2		52	2.5	
93	32022	H06-1139	194	3.2	2.9	1	5	24	16	2		48	2.5	
94	32023	H06-1140	194	2.1	3.0	6	1	9	3	2		21	1.6	
95	32024	H06-1141	194	7.3	9.0	15	2	44	14	5		80	4.3	
96	32025	H06-1142	194	5.8	8.6	8	1	49	17	11		86	3.5	
97	32026	H06-1143	194	5.5	9.8	6		12	7	2		27	2.8	
98	32027	H06-1144	194	2.3	1.8	4		8	6	2		20	1.5	
99	32028	H06-1145	194	1.7	0.4	1		3	10			14	1	
100	32029	H06-1146	194	4.5	2.2	2		5	13	3		23	3	
101	32030	H06-1147	194	3.5	2.8		1	8	9	2		20	2	

#	Client #	TeckLab #	Job #	Weight (g)		KIM						Hours spent on picking (h)	Background	
				Picked (>0.25m m)	Not picked (HM +<0.25mm )	Peridotitic garnet	Eclogitic garnet	Picroilmenite	Chromite	Chrome diopside	Olivine			Total
102	32031	H06-1148	194	0.7	0.5		1	4				5	0.5	
103	32032	H06-1149	194	2.2	1.7			1	8	3		12	1.6	
104	32033	H06-1150	194	1.6	0.2	4		4	5			13	1	
105	32034	H06-1151	194	5.2	5.0			13	14			27	2.6	
106	32035	H06-1152	194	3.5	2.8	4		14	14	12		44	2	
107	32036	H06-1153	194	2.9	2.1		1	11	17			29	1.2	
108	32037	H06-1154	194	2.1	0.5		1	7	10			18	1	
109	32038	H06-1155	194	2.1	2.7	1		6	6			13	1	
110	32039	H06-1156	194	3.9	3.8	3		3	18			24	2	
111	32124	H06-1157	194	2.6	3.7	12		41	5			58	2.3	
112	32125	H06-1158	194	7.3	4.5	27	6	169		2	5	209	5	
113	32126	H06-1159	194	5.4	4.2	6		25	9			40	3.5	
1	40448	H06-1383	197	3.1	1.9			4	5	1		10	1.5	
2	40449	H06-1384	197	3.6	1.4				1			1	1.8	
3	40450	H06-1385	197	6.9	4.8	4		4	9			17	4	
4	40451	H06-1386	197	5.8	4.7			9	4			13	3	
5	40452	H06-1387	197	6.5	5.8			3	15			18	3.2	
6	40453	H06-1388	197	3.0	2.2	2	1	7	3			13	1.5	gold
7	40454		197									0		
8	40455	H06-1389	197	6.2	4.4	1		7	11			19	3	
9	40456	H06-1390	197	2.7	2.8	1	1	4	4			10	1.6	
10	40457	H06-1391	197	5.1	4.9	1		1	1	6		8	2.5	
11	40458	H06-1392	197	2.2	1.4	3	1	8	11			23	1.5	
12	40459	H06-1393	197	2.3	0.2	2		6	5			13	1.5	
13	40460	H06-1394	197	1.4	0.2			4	4			8	1	
14	40461	H06-1395	197	3.7	3.3	3		2	2	1		8	1.8	
15	40462	H06-1396	197	1.7	2.3	4		14	1		2	21	1.2	
16	40463	H06-1397	197	4.4	4.8	15	1	23	22		10	71	3.5	
17	40464	H06-1398	197	16.8	0.6	3		5	1	1	1	11	6	
18	40465	H06-1399	197	2.9	1.6	1		4	5			10	2	
19	40466	H06-1400	197	7.4	9.9	7	1	10	8	1	2	29	4.1	
20	40467	H06-1401	197	13.0	9.0	1	1	8	8			18	6.2	
21	40468	H06-1402	197	6.8	13.3			2	2		1	5	3.5	
22	40469	H06-1403	197	4.0	7.1			7	7			14	2	
23	40470	H06-1404	197	4.6	2.2			1	7			8	2.2	



#	Client #	TeckLab #	Job #	Weight (g)		KIM							Hours spent on picking (h)	Background
				Picked (>0.25mm)	Not picked (HM +<0.25mm)	Peridotitic garnet	Eclogitic garnet	Picroilmenite	Chromite	Chrome diopside	Olivine	Total		
24	40471	H06-1405	197	2.8	2.6	3	1	14	5			23	2	
25	40472	H06-1406	197	2.8	2.6	14	17	21	20		2	74	3	
26	40473	H06-1407	197	2.6	2.3	1		9	2			12	1.5	
27	40474	H06-1408	197	2.1	0.8	13	1	19	7		3	43	2	
28	40475	H06-1409	197	1.7	1.0	8		11	8			27	2	
29	40476	H06-1410	197	6.1	1.5	1						1	3	
30	40477	H06-1411	197	7.8	0.2	6	1	21	25	1		54	5	
31	40478	H06-1412	197	2.1	1.2	14		24	20		1	59	2.5	chacopyrite
32	40479	H06-1413	197	2.1	0.1	8	1	19	10			38	2	
33	40480	H06-1414	197	9.6	0.3	11	1	22	16	1	1	52	5	pyroxene (~90%)
34	40481		197									0		
35	40482	H06-1415	197	2.8	1.2	19	2	15	10		4	50	2.2	
1	32069	H06-1747	198	4.4	2.3	30	11	136	18	55		250	4.5	
2	32070	H06-1748	198	4.1	3.0	12	6	50	46	4	11	129	4	
3	32071	H06-1749	198	4.6	3.0	7		51	23	9	10	100	3.5	
4	32072	H06-1750	198	7.7	7.4	3	4	4	12	13		36	4.2	
5	32097	H06-1751	198	4.4	1.5		2	9	10	3	1	25	2	
6	32098	H06-1752	198	2.5	1.0			14	7			21	1.5	
7	32099	H06-1753	198	5.3	2.2			13		2		15	2	
8	32100	H06-1754	198	3.7	2.1	2		13	5	9		29	1.6	
9	32101	H06-1755	198	0.7	0.4			7		5		12	1	
10	32102	H06-1756	198	0.9	0.5	2	1	12	6		3	24	1	
11	32103	H06-1757	198	3.9	2.6	1		24	14	11	4	54	2.5	
12	32106	H06-1758	198	6.0	3.8	4	2	12	2	46	1	67	4	
13	32107	H06-1759	198	1.5	1.0	9	1	20	4	13	2	49	2	
14	32108	H06-1760	198	1.6	0.9	9	2	18	1	8		38	1.5	
15	32109	H06-1761	198	4.7	1.5	8	6	26	42	3	8	93	3.6	
16	32110	H06-1762	198	6.0	1.2	2		37	3	41		83	4.5	
17	32111	H06-1763	198	6.8	0.7	6	2	13	32	19	5	77	5.1	
18	32114	H06-1764	198	4.7	2.5	3	2	25		26		56	3	
19	32115	H06-1765	198	6.9	4.8	4	5	8	20	30		67	4.5	
20	32116	H06-1766	198	6.5	3.7	7	1	31	30	16	1	86	4.2	
21	32117	H06-1767	198	6.6	2.4	3	1	10	15	16	3	48	4.2	
22	32118	H06-1768	198	8.9	0.9	5		13	39	46	1	104	7.8	
23	32119	H06-1769	198	7.7	2.9	9	8	11	18	25	2	73	5	

#	Client #	TeckLab #	Job #	Weight (g)		KIM						Hours spent on picking (h)	Background	
				Picked (>0.25m m)	Not picked (HM +<0.25mm )	Peridotitic garnet	Eclogitic garnet	Picroilmenite	Chromite	Chrome diopside	Olivine			Total
24	32120	H06-1770	198	6.0	1.5	4	2	33	32	3		74	4	
25	32121	H06-1771	198	9.8	4.5			6	21	9		36	5.2	
26	32122	H06-1772	198	6.2	2.5	1		11	1	1		14	3	
27	32123	H06-1773	198	5.8	3.7	3	1	18	8	10		40	4	
28	32127	H06-1774	198	5.4	2.7	7	2	35	7	6		57	3.6	
29	32139	H06-1775	198	4.5	3.0	29	9	65	12	7	1	123	3.5	
30	32140	H06-1776	198	12.2	9.0	37	23	389	26	8		483	8.6	70% sphene
31	32141	H06-1777	198	3.7	2.1	2		22	8	2		34	2.5	
32	32142	H06-1778	198	4.5	3.5	26	7	226	15	5		279	4.5	
33	32143	H06-1779	198	2.4	1.0	12	7	77	15	1		112	2.3	
34	40258	H06-1780	198	13.4	5.9	5	4	12	29	3	15	68	7.5	
35	40259	H06-1781	198	7.3	4.4	2		10	21	8		41	4	
36	40260	H06-1782	198	3.5	5.0	2	1	8	21			32	2	
37	40261	H06-1783	198	8.0	7.6	8	4	11	18	1	1	43	4.5	
38	40262	H06-1784	198	3.8	1.6	1		2	7	1		11	2.3	
39	40263	H06-1785	198	3.9	1.7			4	4	4		12	2	
40	40271	H06-1786	198	8.3	4.5	1		7	26	8		42	4.8	
41	40272	H06-1787	198	14.3	4.0	2	1	16	31		8	58	7	
42	40273	H06-1788	198	7.2	2.7		1	1	21	1		24	3.5	
43	40274	H06-1789	198	6.1	2.6	1		9	18	6		34	3	
44	40356	H06-1790	198	2.3	2.2	11	4	32	12	27	1	87	2	
45	40357	H06-1791	198	7.5	4.6	19	7	190	68	42	5	331	7	
46	40358	H06-1792	198	4.7	7.0	3	2	5	8	3	1	22	3	
47	40359	H06-1793	198	6.2	4.4	9	11	167	19	53	12	271	6.5	
48	40360	H06-1794	198	2.3	1.6	3	2	45	15	10	1	76	2	
49	40361	H06-1795	198	4.5	3.2	2	1	4	11	12	2	32	2.5	
50	40401	H06-1796	198	1.7	1.2			13	8	1		22	1	
51	40403	H06-1797	198	6.6	3.0	5	3	64	18	3	1	94	4	
52	40404	H06-1798	198	6.3	2.9	4	3	21	16	7		51	4	
53	40405	H06-1799	198	7.0	4.2	5	4	42	14	1		66	4.5	
54	40406	H06-1800	198	7.7	7.7			26	10			36	6.2	
55	40407	H06-1801	198	1.8	1.1	1		19	5	4		29	1.5	
56	40408	H06-1802	198	4.5	2.3			10	13	10		33	3.1	
57	40409	H06-1803	198	7.6	3.5	1	3	42	11		1	58	5.8	
58	40410	H06-1804	198	4.3	2.8	2	1	23	10	6		42	2.5	

#	Client #	TeckLab #	Job #	Weight (g)		KIM						Hours spent on picking (h)	Background	
				Picked (>0.25m m)	Not picked (HM +<0.25mm )	Peridotitic garnet	Eclogitic garnet	Picroilmenite	Chromite	Chrome diopside	Olivine			Total
59	40411	H06-1805	198	1.3	0.8	3		12	9	1		25	1	
60	40485	H06-1806	198	7.6	7.6	4	4	154	75	21		258	7	
61	40486	H06-1807	198	8.9	7.2			12	24	11		47	6.5	
62	40487	H06-1808	198	4.6	2.6	1		13	16	12		42	3.2	
63	40488	H06-1809	198	7.9	4.9	1	1	18	69		5	94	5.2	
64	40492	H06-1810	198	7.4	2.8	3	1	42	31	4		81	4.9	
65	40493	H06-1811	198	7.9	6.0	2		12	8	21		43	5.8	
66	40494	H06-1812	198	6.6	3.6	4		67	32	7	1	111	5.2	
67	40495	H06-1813	198	5.9	4.3	2	1	48	14	4		69	4	
68	40496	H06-1814	198	9.3	6.4	7	2	33	27	11	3	83	7.2	
69	40497	H06-1815	198	7.5	6.8	4	3	18	28	2	7	62	6	
70	40500	H06-1816	198	6.7	3.1		2	26	12	5		45	4.2	
<b>Samples with QC Pick</b>				881	642	890	254	4478	3801	865	153	10441	274.8	

Appendix D: FINAL PICKING RESULTS - QC PICKS

Sample #	TeckLab #	Job #	First	Second	Total	Recovery
32014	H06-1131	194	11	1	12	91.7
32016	H06-1133	194	8	0	8	100.0
32018	H06-1135	194	29	11	40	72.5
32030	H06-1147	194	9	11	20	45.0
32035	H06-1152	194	36	8	44	81.8
32036	H06-1153	194	23	6	29	79.3
32069	H06-1747	198	232	18	250	92.8
32070	H06-1748	198	114	15	129	88.4
32097	H06-1751	198	13	12	25	52.0
32103	H06-1757	198	47	7	54	87.0
32107	H06-1759	198	42	7	49	85.7
32116	H06-1766	198	80	6	86	93.0
32121	H06-1771	198	34	2	36	94.4
32123	H06-1773	198	28	12	40	70.0
32131	H06-1163	195	266	30	296	89.9
32135	H06-1167	195	5	0	5	100.0
32140	H06-1776	198	483	0	483	100.0
32142	H06-1778	198	248	31	279	88.9
32143	H06-1779	198	109	3	112	97.3
40161	H06-1175	195	44	12	56	78.6
40186	H06-1181	195	15	7	22	68.2
40218	H06-1196	195	3	9	12	25.0
40259	H06-1781	198	34	7	41	82.9
40261	H06-1783	198	41	2	43	95.3
40356	H06-1790	198	59	28	87	67.8
40357	H06-1791	198	325	6	331	98.2
40359	H06-1793	198	221	50	271	81.5
40360	H06-1794	198	63	13	76	82.9
40362	H06-1222	196	3	6	9	33.3
40374	H06-1229	196	10	4	14	71.4
40409	H06-1803	198	55	3	58	94.8
40410	H06-1804	198	30	12	42	71.4
40463	H08-1397	197	61	10	71	86.0
40466	H08-1400	197	25	4	29	86.0
40472	H08-1406	197	69	5	74	93.0
40482	H06-1415	197	42	8	50	84.0
40485	H06-1806	198	195	63	258	75.6
40493	H06-1811	198	37	6	43	86.0
40494	H06-1812	198	99	12	111	89.2
<b>Totals/Average</b>			<b>3248</b>	<b>447</b>	<b>3695</b>	<b>87.9</b>

The result of KIM observation  
Client: Temex Resources Corp.

**APPENDIX E**

**KIM Dynamics Abrasion Study**



Client: **Temex Resources Corp.**

To: **Karen Rees**, Mgr Exploration, Temex Resources Corp., Suite 1000, 141 Adelaide St. West, Toronto, Ontario, M5H 3L5

Cc: **Victoria L. Yehl**, Project Geologist, Teck Cominco Ltd., 600-200 Burrard St., Vancouver, B.C., V6C 3L9  
**Paul Baxter**, Senior Project Geologist, P.O. Box 938, Station Main, Kamloops, B.C., V2C5N4

From: **Maja Kiridzija** Mineralogist, KIM Dynamics Inc., #802-West 15<sup>th</sup> Street, North Vancouver, B.C. V7M 1R8

Date: **May 5, 2006**

**ABUNDANCE AND VISUAL FEATURES OF KIMBERLITIC INDICATOR MINERALS AS GUIDES TO PROXIMITY OF KIMBERLITIC SOURCE(S)**

By

**Maja Kiridzija, M.Sc.,**  
Mineralogist/Geologist

*Summary*

*Based on study of abundance, KIM proportions, size distribution, colour, morphology and abrasion of 9643 kimberlitic indicator minerals, mainly peridotitic garnet and picroilmenite, collected from 183 till samples (Temex Resources Corp), the multiple kimberlite sources may be present on the exploration area.*

*The proximal kimberlitic source(s), up-ice samples 32125 to 32143 should be picroilmenite-rich with small amount of Gurney's G10 garnets (<10%) suggesting low peridotitic diamond potential.*

*Proximal kimberlitic source(s) up-ice samples 32069 and 40357 (maybe the same source) should be picroilmenite and chromite rich with significant amount of Gurney's G10 garnets (>40%) suggesting good peridotitic diamond potential.*

*The distal kimberlitic source(s), up ice samples 32003 to 32038, 32072 to 32124, 40160 to 40356 and 40360 to 40500 should be chromite and picroilmenite rich with less peridotitic garnets.*

*Presence of almost equal amounts of unabraded and slightly abraded peridotitic garnets in samples up to 32125 and above 40158 imply their cross-road locations where both kimberlitic sources, proximal and distal may be influential.*

## 1. Introduction

During March and April 2006, total of 183 heavy mineral concentrates from Temex Resources Corp., was observed under binocular microscope in order to pick out any possible kimberlitic indicator minerals (*Kiridzija, 2006*). Total of 9643 KIMs were collected, including 744 peridotitic garnets, 224 eclogitic garnets, 4149 picroilmenites, 3547 chromites, 853 chrome diopsides and 12 olivines (*Table 1*). Note few corrections (mainly chromite/picroilmenite) made during this study and marked by grey area on the *Table 1*.

In order to possibly determine the proximity of kimberlitic source(s), the detailed microscopic examination of these mineral grains was undertaken. This study included and discussed three categories:

1. The abundance and proportions of all KIM;
2. The abundance, colour, size distribution and abrasion of peridotitic garnets;
3. The abundance and morphological groups of picroilmenites.

The graphical presentations for each of the above categories are shown on the *Graphs 1–8*. Note that, for the sake of simplicity, most of the graphs considered only data with over 10 or 20 grains.

## 2. Results

### 2.1. The abundance of all KIM and their proportions

*Table 2* shows amounts and proportions for each KIM in samples with >10 grains. The picroilmenite is the predominant KIM present in amounts from of 1 to 389 grains in a single concentrate indicating continuity in supply of this indicator. Peridotitic garnets make 9%, eclogitic garnets 3%, picroilmenites 51%, chromites 25%, chrome diopside 11% and olivine 2% characterizing the observed concentrates as picroilmenite and chromite rich.

*Graph 1* shows presence of a few “kicker” samples that contain more than 200 KIM grains. Samples 32069, 32125, 32131, 32140, 32142, 40357, 40359 and 40485 are probably located down ice of proximal/distal kimberlitic source. Sample 32140 with almost 500 KIM grains may be on a cross road of multiply kimberlitic sources or very close to kimberlite.

*Graph 2* shows proportions of picroilmenites, chromites and peridotitic garnets in samples with >10 grains. There are three major distinctions in proportions of these three indicators: an area between samples 32122 and 40192 where picroilmenites predominates and areas between samples 32088 to 32039 and 40225 to 40273 where chromite predominates. Peridotitic garnet seems to be more abundant in picroilmenite than in chromite area. These three distinctive KIM proportions may indicate presence of two different types of kimberlites: with picroilmenite and chromite dominance.

### 2.2. Peridotitic garnets

#### 2.2.1. The abundance and colour

*Table 3* shows amounts of peridotitic garnet grains, number of bright pink garnets (“similar to G10”) and their percentage in each of the 136 samples. The procedure included colour comparison of each peridotitic garnet with the chemically proven Gurney’s “G10” garnet from the internal references. Total of 163 grains out of 744 or 22% of collected peridotitic garnets have colour similar to G10, signifying that possible diamond bearing kimberlitic source may be supplier for these indicators.

*Graph 3* shows distribution of “similar to G10” garnets among individual samples. It is clear that noticeable amount of “similar to G10” appears in samples 32069 to 32119 and 40357 to 40359. The average percentage of “similar to G10” garnets in these samples is respectively 34% and 30%. On the other side, area between samples 32125 to 40161 although with a large

amounts of peridotitic garnets contains, in average, less than 10% of "similar to G10" garnets (*Graph 4*).

### 2.2.2. *The size distribution*

*Table 4* shows the amounts of peridotitic garnet in two size fractions, >0.3mm, and <0.3mm. These numbers were taken from the sample sheets that record concentrate weights and number of collected indicators in each size fraction (*Kiridzija, 2006*). The figures are presented to show predominance of coarse (>0.3mm) or fine (0.30-0.25mm) size grains in each sample. According to some authors the abundance of coarse size indicator grains is a signature for proximity of the source. (*Gurney J, pers. com.*). In the examined samples the coarse size peridotitic garnets predominate with 75% suggesting possibility of the proximal kimberlitic source(s) at the exploring area.

*Graph 5* shows distribution of coarse/fine size fractions in samples >10 grains. The coarse peridotitic garnet apparently dominates in all samples except in sample 40161 where fine size fraction exceeds implying more distal than proximal kimberlitic source. Sample 32139 has both size fractions in almost same proportions suggesting influence of possibly both, proximal and distal kimberlitic sources.

### 2.2.3. *The degree of surface abrasion*

In order to possibly determine proximity of the kimberlitic source on the exploring area the thorough grain-by grain examination of the 744 grains of peridotitic garnet was carried out on the 0.5 mm–0.25mm size range. Each grain was carefully examined and categorised as unabraded or slightly abraded using several criteria (*Table 5*):

- The preservation of kelyphitic rim or kimberlitic patches on the grain surface,
- The sharpness of the fractured edges,
- The freshness of the resorption surface textures as "orange peel", frosted surface or "etching".

*Note: In order to assure quality of this study and to minimise human subjectivism, the two observers examined grains separately and their results were both considered and combined.*

The presence of delicate kelyphitic rims or patches of kimberlite, unabraded resorption textures or razor-sharp fractured edges on the peridotitic garnets indicate short distance from their kimberlitic source. Since most examined peridotitic garnets are fairly "fresh" looking grains only unabraded and slightly abraded divisions were used in this study. The well-abraded peridotitic garnets are almost absent on the studied area.

*Table 5* shows that almost each sample contains a few unabraded grains. There is 55% of unabraded peridotitic garnets present in observed samples.

Total of 165 peridotitic garnets has preserved kelyphitic rims and some of them are fairly thick. *Note that any grain with thick, thin or only speck of kelyphitic rim or kimberlite was counted under this category.*

Total of 82 peridotitic garnets are fractured with sharp edges. *Note that fractured edges on one grain are not necessarily all sharp, so decision to put grain in this category was made based on the proportion of sharp versus abraded edges.*

Total of 160 peridotitic garnets have unabraded resorption textures. *Note that dominating surface feature on these grains is fine or coarse resorption while "orange peel" and "etching" are almost absent.*



Less than 50% of all examined peridotitic garnets show signs of slight worn-out.

*Graph 6* shows distribution of unabraded and slightly abraded peridotitic garnets in samples with >10 grains. Graph displays wide area between samples 32125 to 32143 with predominance of unabraded grains suggesting short distance from their source. Almost 70% of all examined grains from these samples are unabraded including almost 50% of them with kelyphytic rims and patches of kimberlites on the surface.

On the other side, samples 32124 and 40161 have domination of slightly abraded peridotitic garnets indicating longer transportation for the studied grains.

The crossing points or places where unabraded and abraded peaks are close to each other, as around samples 32024, 32131 and 40356, usually indicate multiply supplier, where both, proximal and distal source are involved in derivation of the KIM material.

### 2.3. *Picroilmenite*

#### 2.3.1. *Abundance and morphological groups*

In a kimberlite, picroilmenite may crystallize in several morphological forms. The most recognizable are rounded picroilmenites with coatings. One kimberlite usually has one or two picroilmenite morphologies. Presence of more than one picroilmenite morphologies in till samples may suggest either one multiphase kimberlite or multiply sources of kimberlites. In order to possibly define if one or multiply kimberlitic sources are present on the exploration area, detailed examination of each picroilmenite grain was undertaken.

Based on the detailed examination of 4149 grains of picroilmenite, four morphological groups appeared:

- 1) Fractured or shards with brittle, sharp or worn-out edges, conchoidal fractures and with no surface preservation.
- 2) Subrounded to subangular with smooth or matte surface and metallic lustre. These picroilmenite may be fractured but they still have preserved metallic surface.
- 3) Coated with "bumpy surface" that is usually covered with leucoxene/rutile/anatase coatings. These grains are rounded, subrounded or fractured but with preserved coatings or only "bumpy" surface.
- 4) Polygranular with matte or "bumpy" surface or fractured without surface preserved. These grains are result of multiply growth of picroilmenite.

*Graph 7* shows eight picroilmenite "kickers", samples 32069, 32125, 32131, 32140, 32142, 40357, 40359 and 40485 with more than 150 grains. It is interesting that picroilmenite "kickers" are the same all KIM "kickers" (see *Graph 1*) suggesting that picroilmenite is the lead indicator in observed samples.

*Table 6* shows how many grains of each morphological group were found in each sample. Total of 1438 grains are fractured, 1684 are with preserved matte/metallic surface, 779 are coated with "bumpy surface" and 249 grains are polygranular. The predominant morphological form of picroilmenite is subrounded to subangular with smooth or matte surface and metallic lustre. This group makes 41% of total amount of picroilmenite. However, the fractured picroilmenite make 35% suggesting that these two forms of picroilmenite make almost 80% of all grains.

*Graph 8* displays proportions of four morphological groups of picroilmenite in samples with over 20 grains. On a first sight, it seems that all groups are overlapping as each of them is present in certain amount. However, closer look indicate three major areas:

- 1) Up to sample 32125 where matte/metallic surfaced picroilmenite predominate;
- 2) Between samples 32125 and 40161 where three groups are present in almost equal amounts with slight domination of fractured picroilmenites;
- 3) After sample 40357 where again matte/metallic surfaced picroilmenite slightly dominate;

In terms of “freshness” and “unabraded” picroilmenites, preserved coatings and “bumpy” surface may be the evidence of source proximity. The highest amount of these grains are present in sample 32022 (>60%) suggesting possibly close picroilmenite source.

### 3. Discussion

- The abrasion study of the 744 grains of peridotitic garnets and 4150 grains of picroilmenite from 183 till sample concentrates showed possibility of multiply kimberlite presence up-ice of the observed till samples.
- Proximal source(s) may be located anywhere up-ice samples 32125 to 40158. This source is indicated by:
  - four “kicker” samples with over 200 KIM grains in each (*Graph 1*),
  - presence of unabraded peridotitic garnets (*Graph 6*).

This source is probably rich in picroilmenite, peridotitic garnet, and has small amounts (<10%) of eclogitic garnet, chromite, chrome diopside and olivine (*Table 2*). Minor amount of “similar to G10” garnets (*Graph 4*) indicate poor peridotitic diamond potential for this possible kimberlite(s).

- Influence of both, proximal and distal sources is evident on KIMs in samples 32003 to 32125. The indications for multiply sources are: small amounts of indicators (<100 KIMs) with sudden “kicker” sample 32069 with >250 KIMs (*Graph 1*); mixture of unabraded and slightly abraded peridotitic garnet (*Graph 6*); mixture of kimberlite proportions where chromite and picroilmenite are switching their predominance (*Graph 2*).

However, sample 320694 suddenly drops in percentage of chromite (7%) and increase supply of picroilmenite while sample 32070 suddenly has supply of olivine (11%), which was completely absent in previous 30 concentrates (*Table 2*). Both samples have over 40% of “similar to G10” peridotitic garnets (*Graph 4*) with preserved kelyphitic rims. Possible proximal diamond bearing kimberlite may be responsible for derivation of these indicators.

- Area between samples 40160 to 40356 is marked by low KIM counts (<50 grains) and predominance of fine size, slightly abraded peridotitic garnets suggesting clearly an influence of chromite rich distal kimberlitic source(s).
- Influence of both, proximal and distal source(s) may be present again up-ice samples 40357 to 40500 where three “kicker” samples with over 200 KIM grains exist (*Graph 1*). Samples 40357, 40359 and 40485 contain over 150 grains of picroilmenites but only sample 40357 has substantial amount of unabraded peridotitic garnet (*Graph 6*) that includes 40% of “similar to G10” grains (*Graph 4*). It is likely that possible diamond bearing kimberlite may be in a proximal distance from this sample. This source should be characterized by large amounts of picroilmenite but still presence of chromite, peridotitic garnet, eclogitic garnet, bright green chrome diopside and olivine.

- Based on the similarity in KIM proportions, "similar to G10" amounts, unabraded/slightly abraded ratio and domination of same "matte" microilmenite morphology, two proximal sources located up-ice samples 32069 and 40357 may be the same.

### 3. Conclusion

Based on the visual examination of peridotitic garnets and microilmenites from the Temex samples there are three proximal sources that may be located up-ice samples:

- 1) 32069 - probably diamond bearing kimberlite
- 2) 32140 - possibly low-diamond bearing kimberlite
- 3) 40357 - possible diamond bearing kimberlite

KIM proportions and KIM visual features suggest similarity between possible kimberlitic sources up-ice 32069 and 40357. They are either the same or very close to each other.

Based on the presence of slightly abraded peridotitic garnets the influence of distal source may be present in samples:

- 1) 32003 to 32038
- 2) 32072 to 32124
- 3) 40160 to 40356
- 4) 40360 to 40500

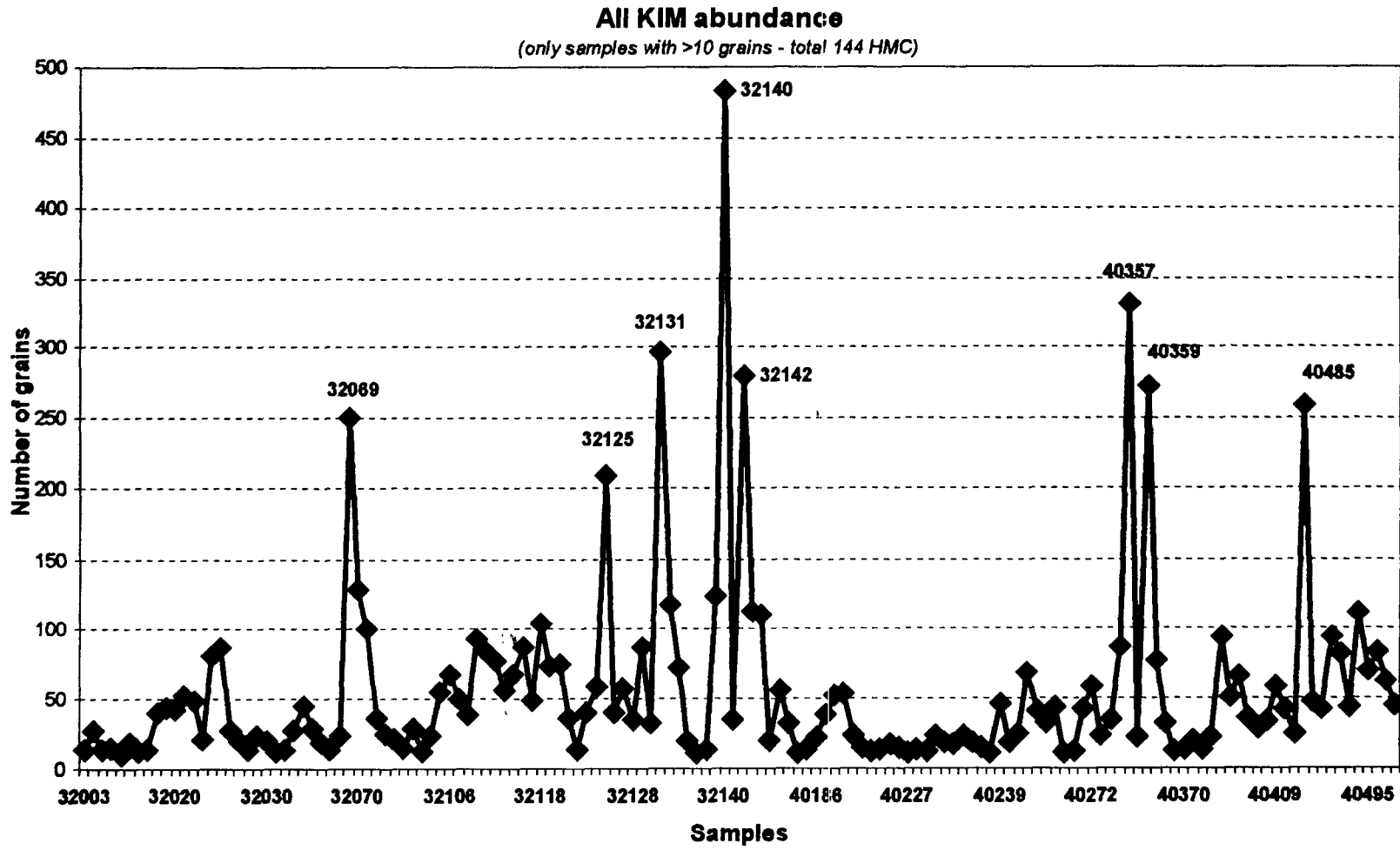
The distal source(s) are chromite/microilmenite dominating and their influence may overlap with each other.

#### References:

- Kiridzija, M., 2006, Report on procedure and results of the 113 observed sample concentrates, Internal report, March 9, 2006*
- Kiridzija, M., 2006, Report on procedure and results of the 70 observed sample concentrates, Internal report, April 11, 2006*

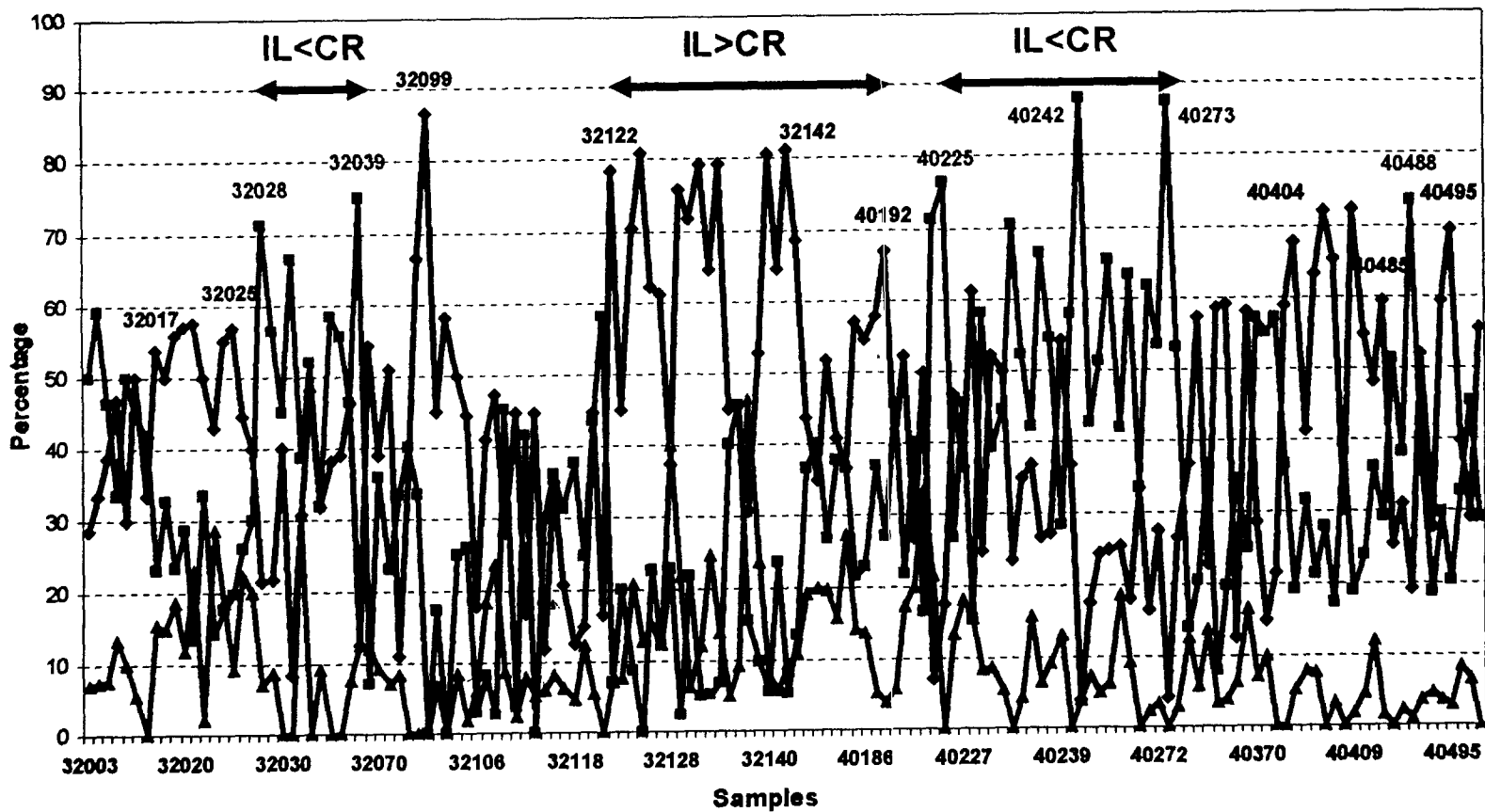
---

Maja Kiridzija



### Proportions of microilmenite, chromite and peridotitic garnet (only samples with >10 grains - total 144HMC)

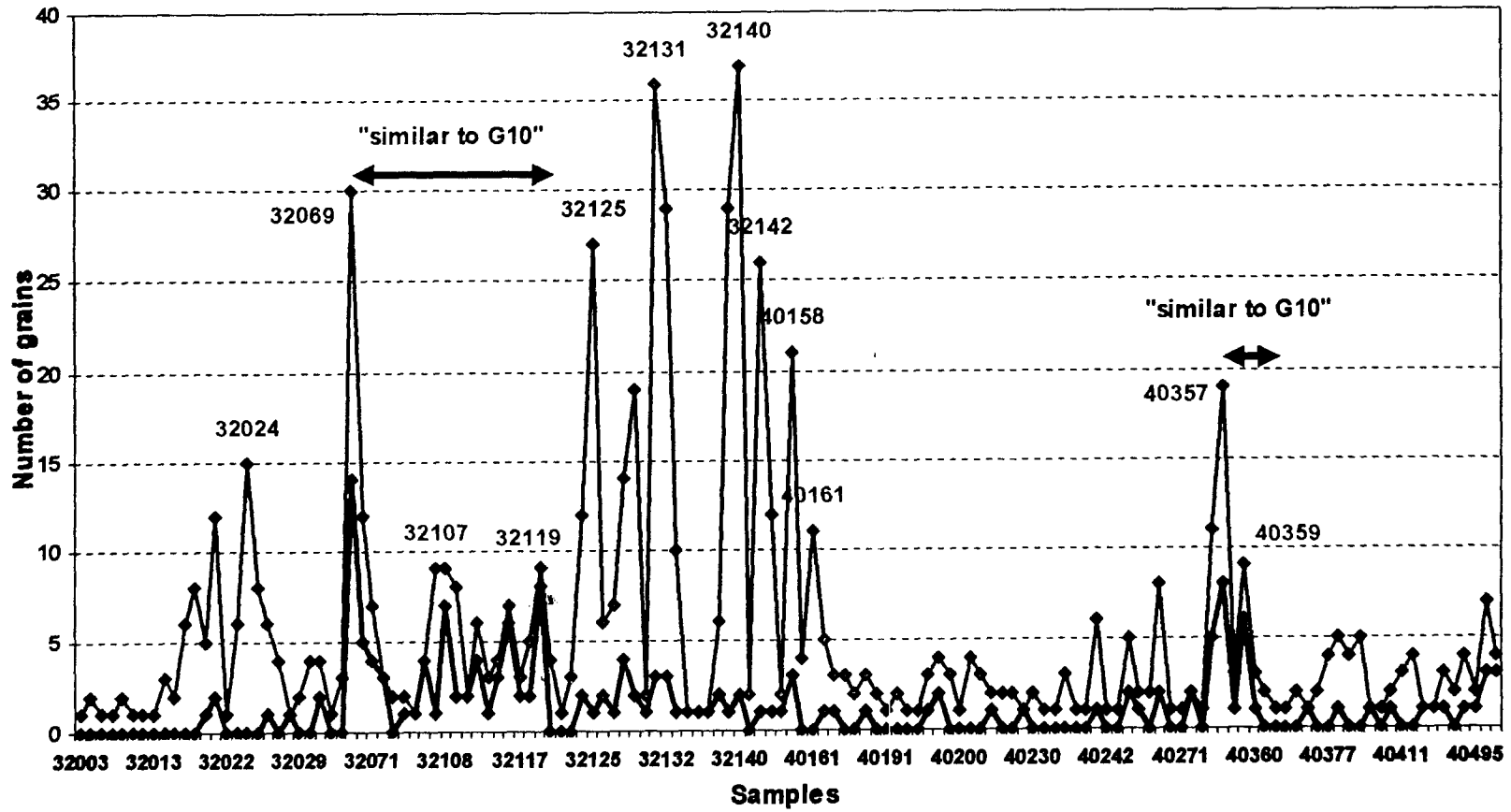
- IL %
- CR %
- ▲— PG %



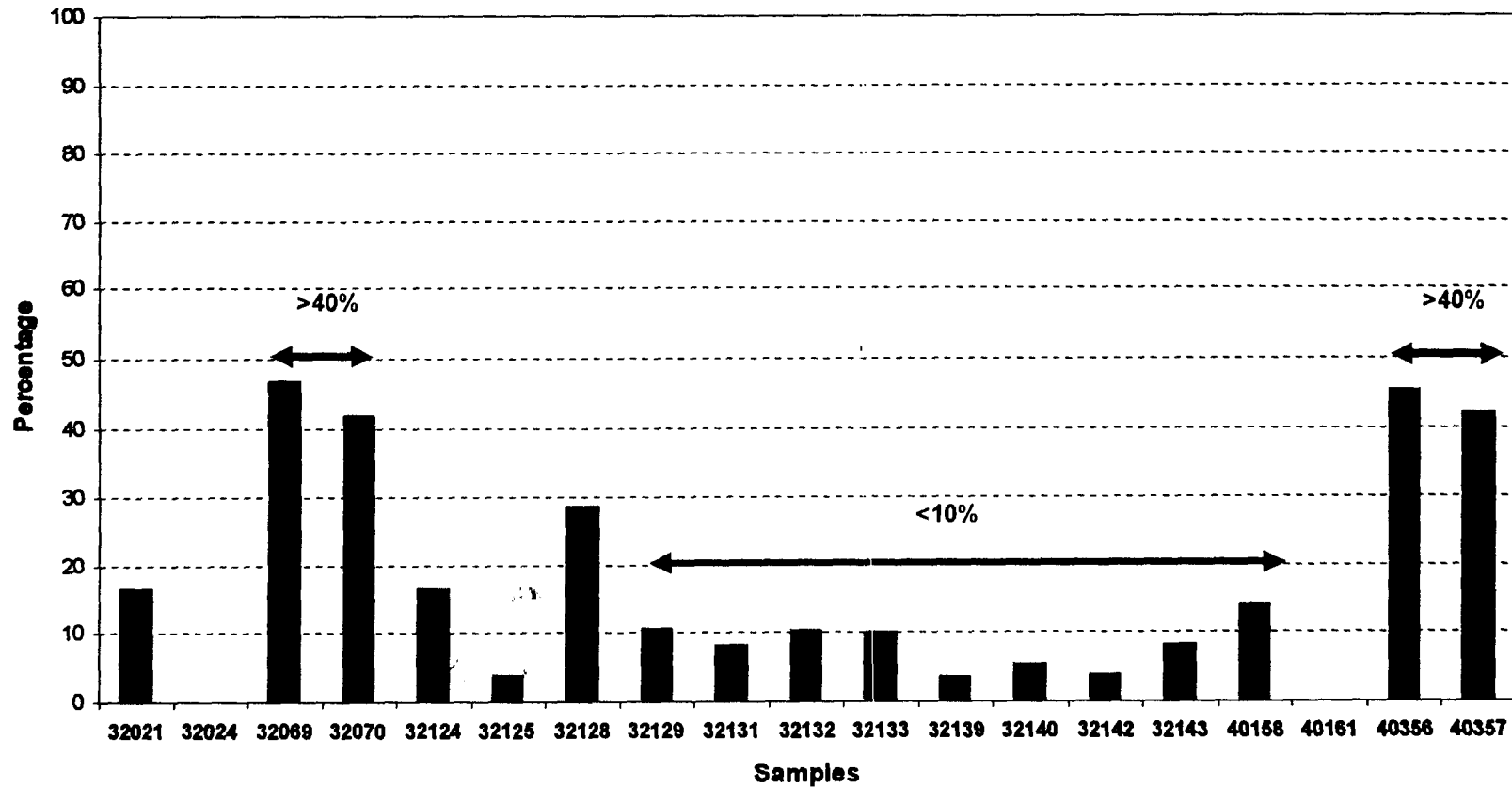
### Abundance of peridotitic garnet and "similar to G10" garnet

(PG bearing samples - total 136 HMC)

◆ PG  
◆ "similar to G10"

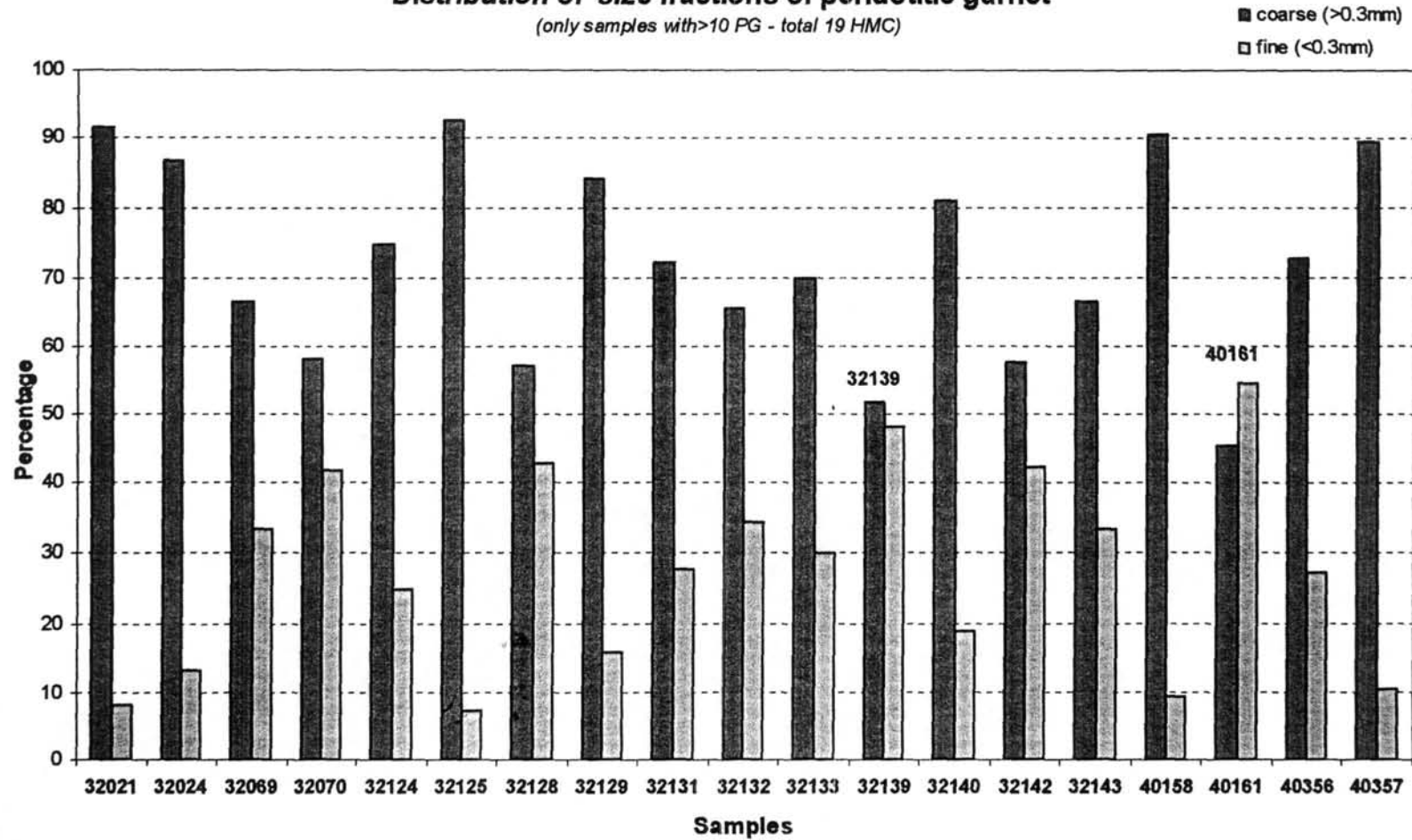


### Percentage of "similar to 10 garnets" (only samples with >10 PG - total 19 HMC)



**Distribution of size fractions of peridotitic garnet**

(only samples with >10 PG - total 19 HMC)

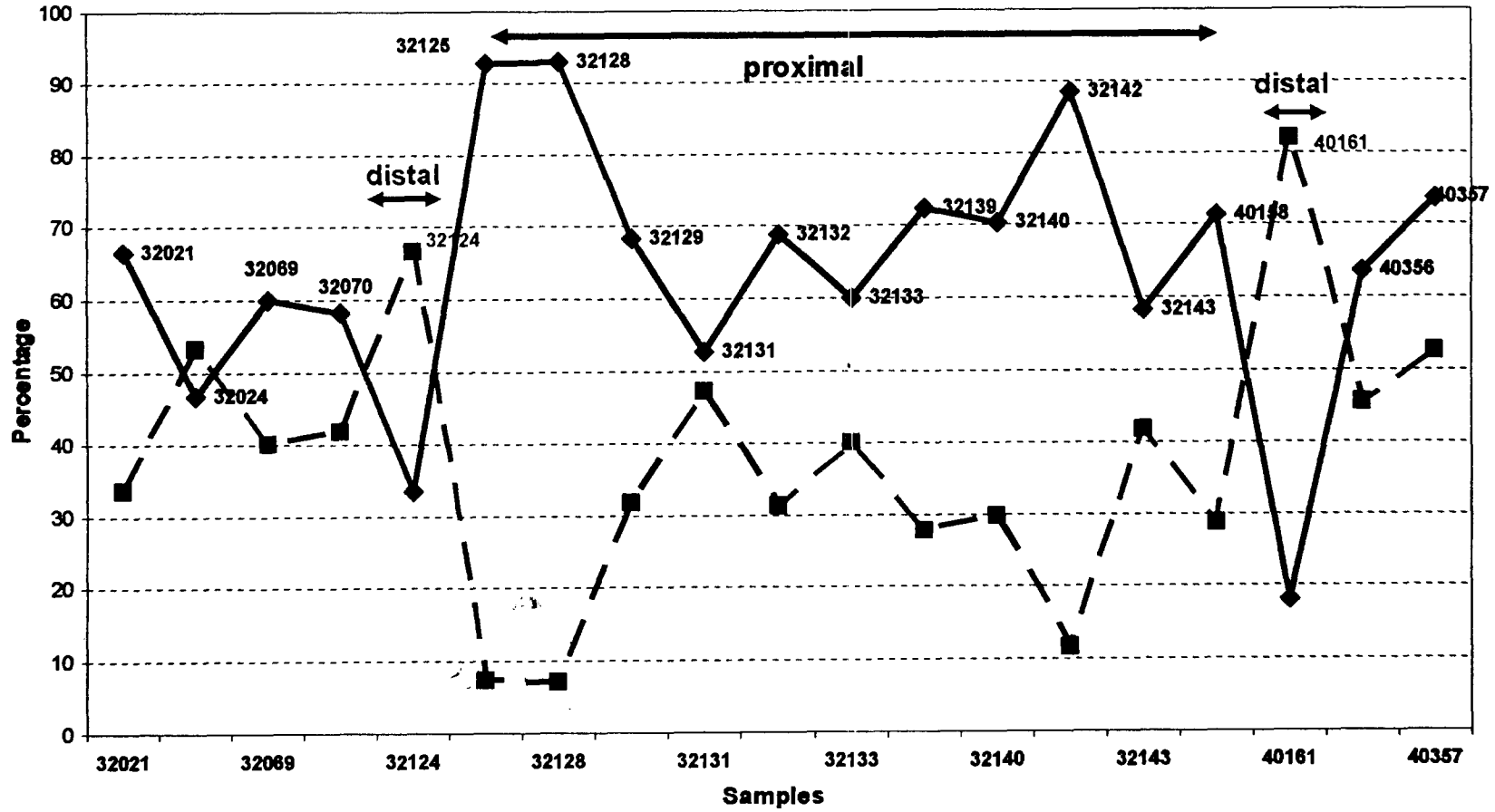




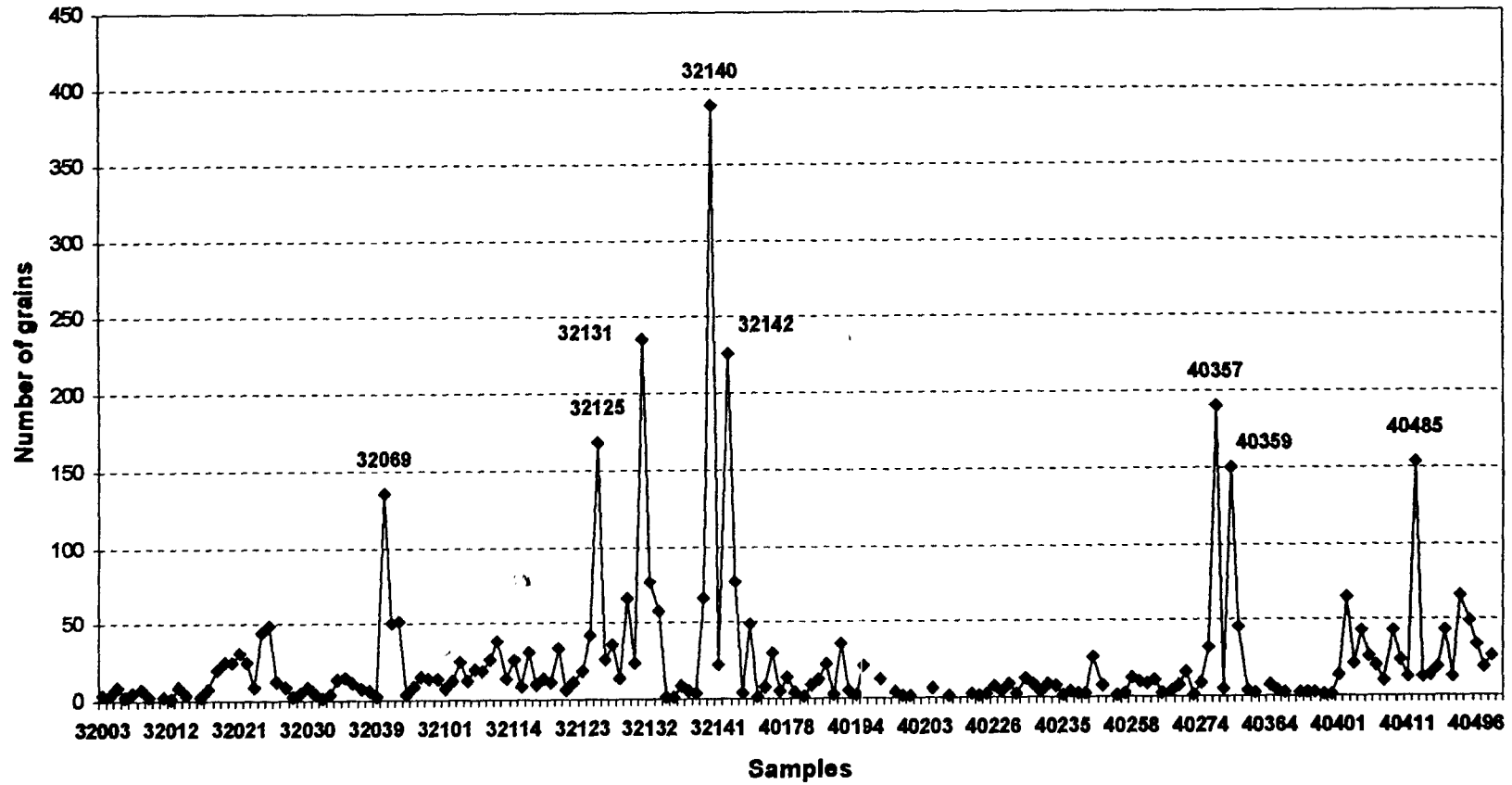
**Distribution of unabraded and slightly abraded peridotitic garnets**

*(only samples with >10PG - total 19 HMC)*

- ◆ unabraded
- - slightly abraded



### Abundance of microilmenite (total 183 HMC)



**Distribution of different morphological groups of microilmenites**

(only samples with >20 IL)

- ◆ fractured IL
- matte surface IL
- △ coated w ith "bumpy surface" IL
- × polygranular IL

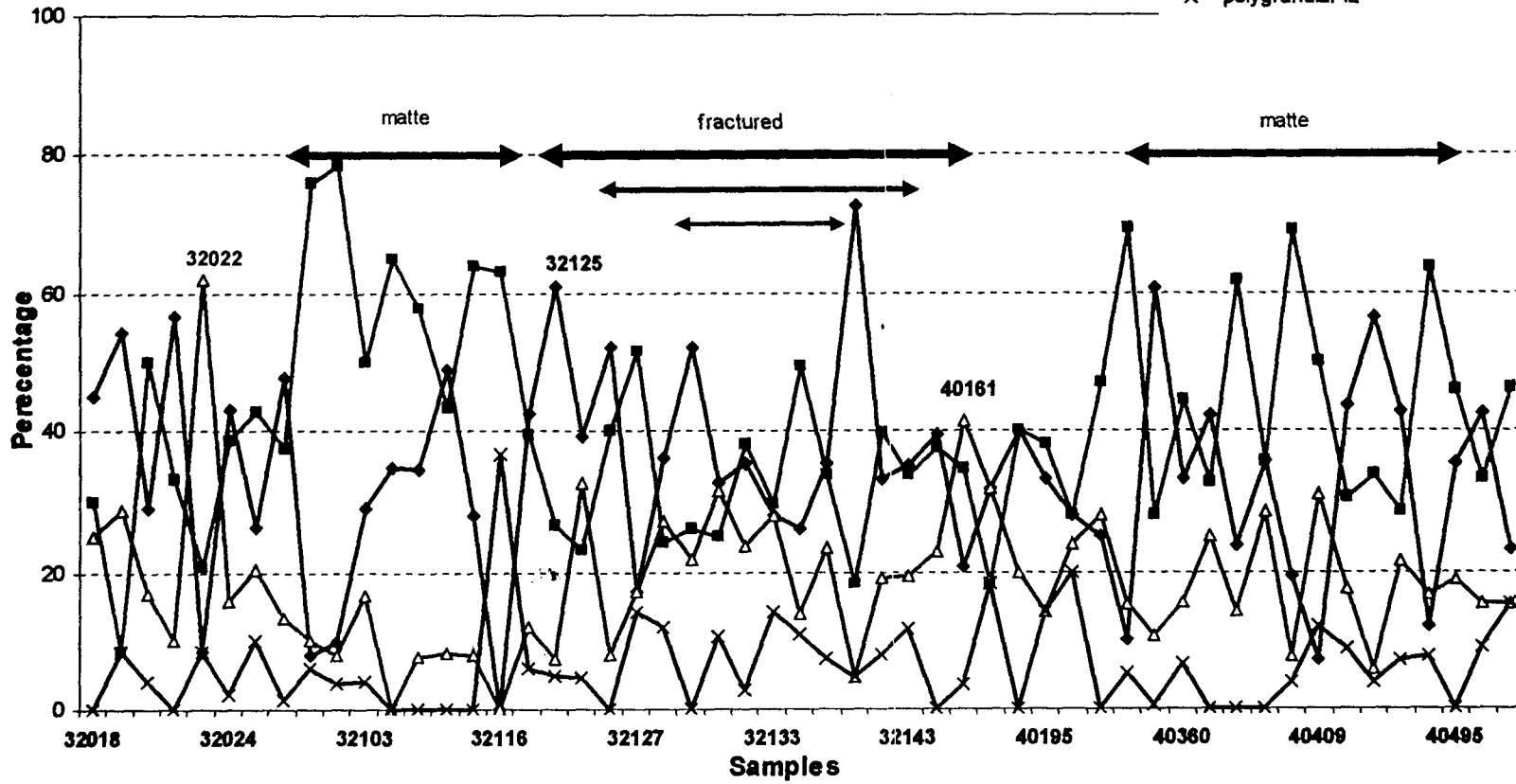


Table 1: Abrasion Study - Raw KIM Counts

#	Client #	Job #	Weight (g)	KIM						
			Picked (>0.25m m)	Peridotitic garnet	Eclogitic garnet	Picroilmeni te	Chromite	Chrome diopside	Olivine	Total
1	32003	194	2.4	1		4	7	2		14
2	32004	194	4.8			4	2			6
3	32005	194	2.7	2		9	16			27
4	32006	194	1.5	1		3	2	2		8
5	32007	194	2.8	1		5	6	1		13
6	32008	194	2.1	2		7	5	1		15
7	32009	194	1.8			2	4	1		7
8	32010	194	2.2				4	2		6
9	32011	194	3.0	1		3	5	1		10
10	32012	194	1.9	1		1	4			6
11	32013	194	2.2	1		9	8			18
12	32014	194	3.4			4	5	3		12
13	32015	194	1.9		1		7			8
14	32016	194	1.5	3		3	2			8
15	32017	194	1.8	2	1	7	3			13
16	32018	194	4.2	6	1	20	13			40
17	32019	194	2.2	8	1	24	10			43
18	32020	194	2.5	5	1	24	12			42
19	32021	194	3.7	12	1	30	7	2		52
20	32022	194	3.2	1	5	24	16	2		48
21	32023	194	2.1	6	1	9	3	2		21
22	32024	194	7.3	15	2	44	14	5		80
23	32025	194	5.8	8	1	49	17	11		86
24	32026	194	5.5	6		12	7	2		27
25	32027	194	2.3	4		8	6	2		20
26	32028	194	1.7	1		3	10			14
27	32029	194	4.5	2		5	13	3		23
28	32030	194	3.5		1	8	9	2		20
29	32031	194	0.7		1	4				5
30	32032	194	2.2			1	8	3		12
31	32033	194	1.6	4		4	5			13
32	32034	194	5.2			13	14			27
33	32035	194	3.5	4		14	14	12		44
34	32036	194	2.9		1	11	17			29
35	32037	194	2.1		1	7	10			18
36	32038	194	2.1	1		6	6			13
37	32039	194	3.9	3		3	18			24
38	32069	198	4.4	30	11	136	18	55		250
39	32070	198	4.1	12	6	50	46	4	11	129

**Client: Temex Resources Corp.**  
**Updated results of the KIM observation**  
**(Invoices 1 and 3)**

#	Client #	Job #	Weight (g) Picked (>0.25mm)	KIM						Total
				Peridotitic garnet	Eclogitic garnet	Picroilmeni te	Chromite	Chromo diopside	Olivine	
40	32071	198	4.6	7		51	23	9	10	100
41	32072	198	7.7	3	4	4	12	13		36
42	32097	198	4.4		2	9	10	3	1	25
43	32098	198	2.5			14	7			21
44	32099	198	5.3			13		2		15
45	32100	198	3.7	2		13	5	9		29
46	32101	198	0.7			7		5		12
47	32102	198	0.9	2	1	12	6		3	24
48	32103	198	3.9	1		24	14	11	4	54
49	32106	198	6.0	4	2	12	2	46	1	67
50	32107	198	1.5	9	1	20	4	13	2	49
51	32108	198	1.6	9	2	18	1	8		38
52	32109	198	4.7	8	6	26	42	3	8	93
53	32110	198	6.0	2		37	3	41		83
54	32111	198	6.6	6	2	13	32	19	5	77
55	32114	198	4.7	3	2	25		26		56
56	32115	198	6.9	4	5	8	20	30		67
57	32116	198	6.5	7	1	30	31	16	1	86
58	32117	198	6.6	3	1	10	15	16	3	48
59	32118	198	8.9	5		13	39	46	1	104
60	32119	198	7.7	9	8	11	18	25	2	73
61	32120	198	6.0	4	2	33	32	3		74
62	32121	198	9.6			6	21	9		36
63	32122	198	6.2	1		11	1	1		14
64	32123	198	5.8	3	1	18	8	10		40
65	32124	194	2.6	12		41	5			58
66	32125	194	7.3	27	6	168		2	5	208
67	32126	194	5.4	6		25	9			40
68	32127	198	5.4	7	2	35	7	6		57
69	32128	195	5.5	14		13	8			35
70	32129	195	6.1	19		66	2			87
71	32130	195	5.0	2		23	7			32
72	32131	195	4.3	36	7	235	15	3		296
73	32132	195	3.1	29	6	76	6			117
74	32133	195	4.3	10		57	5			72
75	32134	195	3.6	1		1	7			9
76	32135	195	3.9			1	4			5
77	32136	195	3.3	1	1	9	8		1	20
78	32137	195	1.7	1		5	5			11
79	32138	195	3.5	6		4	2	1		13
80	32139	198	4.5	29	9	65	12	7	1	123

Client: Temex Resources Corp.  
 Updated results of the KIM observation  
 (Invoices 1 and 3)

#	Client #	Job #	Weight (g) Picked (>0.25mm)	KIM						Total
				Peridotitic garnet	Eclogitic garnet	Picroilmonite	Chromite	Chrome diopside	Olivine	
81	32140	198	12.2	37	23	389	26	8		483
82	32141	198	3.7	2		22	8	2		34
83	32142	198	4.5	26	7	226	15	5		279
84	32143	198	2.4	12	7	77	15	1		112
85	40157	195	2.7	2		4	1466			1472
86	40158	195	6.3	21		48	40	1		110
87	40159	195	2.2			1	1			2
88	40160	195	4.2	4		7	8	1		20
89	40161	195	4.9	11		29	15	1		56
90	40177	195	4.2			5	2			7
91	40178	195	4.5	5	1	13	12	1		32
92	40179	195	1.3	3		4	4			11
93	40184	195	0.6	3		1	3			7
94	40185	195	1.7	2	1	8	3			14
95	40186	195	2.7	3		12	5	2		22
96	40190	195	3.2	2		22	14			38
97	40191	195	2.2	1		2	5			8
98	40192	195	3.9	2		35	14		1	52
99	40193	195	1.6	1		5	2			8
100	40194	195	1.6	1		2	3			6
101	40195	195	2.9	3	1	21	24	3	1	53
102	40196	195	13.5							0
103	40197	195	1.2	4	2	12	5			23
104	40198	195	0.4							0
105	40199	195	1.4	3	2	4	6			15
106	40200	195	0.7	1		1	7			9
107	40201	195	0.7			1	1			2
108	40202	195	0.6							0
109	40203	195	3.4				2			2
110	40218	195	5.5	4		6	2			12
111	40219	195	4.1				1			1
112	40220	195	1.3			1	2		1	4
113	40221	195	1.6				9			9
114	40222	196	1.0							0
115	40223	196	2.5			2	2			4
116	40224	196	4.0	3		1	10			14
117	40225	196	2.6		1	3	13			17
118	40226	196	1.8	2		7	4	2		15
119	40227	196	1.7	2		4	5			11
120	40228	196	4.2	2		8	2	1		13
121	40229	196	2.0	1	1	3	7			12

**Client: Temex Resources Corp.**  
**Updated results of the KIM observation**  
**(Invoices 1 and 3)**

#	Client #	Job #	Weight (g)	KIM							
			Picked (>0.25mm)	Peridotitic garnet	Eclogitic garnet	Picroilmenite	Chromite	Chrome diopside	Olivine	Total	
122	40230	196	4.0	2			12	9			23
123	40231	196	4.3	1			9	8			18
124	40232	196	2.2				4	12	1		17
125	40233	196	2.6	1	1		8	12	1		23
126	40234	196	1.1	3	1		7	8			19
127	40235	196	0.7				1	1			2
128	40236	196	2.2	1			4	10			15
129	40237	196	2.0				3	3			6
130	40238	196	1.5	1			3	6	1		11
131	40239	196	4.1	6	2		25	13			46
132	40240	196	1.3				7	11	1		19
133	40241	196	1.1					2			2
134	40242	196	4.3	1			1	22	1		25
135	40243	196	1.5	1			2	5			8
136	40258	198	13.4	5	4		12	29	3	15	68
137	40259	198	7.3	2			10	21	8		41
138	40260	198	3.5	2	1		8	21			32
139	40261	198	8.0	3	4		11	18	1	1	43
140	40262	198	3.8	1			2	7	1		11
141	40263	198	3.9				4	4	4		12
142	40271	198	8.3	1			7	26	8		42
143	40272	198	14.3	2	1		16	31		8	58
144	40273	198	7.2		1		1	21	1		24
145	40274	198	6.1	1			9	18	6		34
146	40356	198	2.3	11	4		32	12	27	1	87
147	40357	198	7.5	19	7		190	68	42	5	331
148	40358	198	4.7	3	2		5	8	3	1	22
149	40359	198	6.2	9	11		150	20	53	12	255
150	40360	198	2.3	3	2		45	15	10	1	76
151	40361	198	4.5	2	1		4	11	12	2	32
152	40362	196	1.1	1	1		2	5			9
153	40363	196	1.2	1				7			8
154	40364	196	2.5	2			7	3			12
155	40370	196	2.5	1			4	8	1		14
156	40371	196	1.0	2			3	11	4		20
157	40372	196	1.0					5			5
158	40373	196	1.2				3	5	1		9
159	40374	196	1.6				3	8	3		14
160	40375	196	2.0				2	4			6
161	40376	196	0.1				1	2			3
162	40377	196	0.6	4			1	1			6

2.32569

#	Client #	Job #	Weight	KIM							
			Picked (>0.25mm)	Peridotitic garnet	Eclogitic garnet	Picroilmenite	Chromite	Chromediopside	Olivine	Total	
163	40401	198	17				13	8	1		22
164	40403	198	66	5	3		64	18	3	1	94
165	40404	198	63	4	3		21	16	7		51
166	40405	198	70	5	4		42	14	1		66
167	40406	198	77				26	10			36
168	40407	198	18	1			19	5	4		29
169	40408	198	46				10	13	10		33
170	40409	198	76	1	3		42	11		1	58
171	40410	198	43	2	1		23	10	6		42
172	40411	198	13	3			12	9	1		25
173	40485	198	76	4	4		154	75	21		258
174	40486	198	89				12	24	11		47
175	40487	198	46	1			13	16	12		42
176	40488	198	79	1	1		18	69		5	94
177	40492	198	74	3	1		42	31	4		81
178	40493	198	79	2			12	8	21		43
179	40494	198	66	4			66	33	7	1	111
180	40495	198	69	2	1		48	14	4		69
181	40496	198	93	7	2		33	27	11	3	83
182	40497	198	76	4	3		18	28	2	7	62
183	40500	198	67		2		25	13	5		45
<b>TOTAL</b>			<b>723.9</b>	744	224		4149	3547	853	126	9643

Notes:

21	blue pen marks possible KIM (needs testing)
	double observed samples (Q/C)
1466	chromite count estimated in 40157 (see sample sheet for details)
	changes made by M. Kiridzija (May, 2006)



**Table 2: Abrasion Study**

#	Samples	Number of grains and percentage of KIM (only samples with >10 KIM grains)												
		Peridotitic gamet	PG (%)	Eclogitic gamet	EG (%)	Picroilmenite	IL (%)	Chromite	CR (%)	Chrome diopside	CD (%)	Olivine	OL (%)	Total
1	32003	1	7		0	4	29	7	50	2	14		0	14
2	32005	2	7		0	9	33	16	59		0		0	27
3	32007	1	8		0	5	38	6	46	1	8		0	13
4	32008	2	13		0	7	47	5	33	1	7		0	15
5	32011	1	10		0	3	30	5	50	1	10		0	10
6	32013	1	6		0	9	50	8	44		0		0	18
7	32014		0		0	4	33	5	42	3	25		0	12
8	32017	2	15	1	8	7	54	3	23		0		0	13
9	32018	6	15	1	3	20	50	13	33		0		0	40
10	32019	8	19	1	2	24	56	10	23		0		0	43
11	32020	5	12	1	2	24	57	12	29		0		0	42
12	32021	12	23	1	2	30	58	7	13	2	4		0	52
13	32022	1	2	5	10	24	50	16	33	2	4		0	48
14	32023	6	29	1	5	9	43	3	14	2	10		0	21
15	32024	15	19	2	3	44	55	14	18	5	6		0	80
16	32025	8	9	1	1	49	57	17	20	11	13		0	86
17	32026	6	22		0	12	44	7	26	2	7		0	27
18	32027	4	20		0	8	40	6	30	2	10		0	20
19	32028	1	7		0	3	21	10	71		0		0	14
20	32029	2	9		0	5	22	13	57	3	13		0	23
21	32030		0	1	5	8	40	9	45	2	10		0	20
22	32032		0		0	1	8	8	67	3	25		0	12
23	32033	4	31		0	4	31	5	38		0		0	13
24	32034		0		0	13	48	14	52		0		0	27
25	32035	4	9		0	14	32	14	32	12	27		0	44
26	32036		0	1	3	11	38	17	59		0		0	29
27	32037		0	1	6	7	39	10	56		0		0	18
28	32038	1	8		0	6	46	6	46		0		0	13
29	32039	3	13		0	3	13	18	75		0		0	24
30	32069	30	12	11	4	136	54	18	7	55	22		0	250
31	32070	12	9	6	5	50	39	46	36	4	3	11	9	129
32	32071	7	7		0	51	51	23	23	9	9	10	10	100
33	32072	3	8	4	11	4	11	12	33	13	36		0	36
34	32097		0	2	8	9	36	10	40	3	12	1	4	25
35	32098		0		0	14	67	7	33		0		0	21
36	32099		0		0	13	87		0	2	13		0	15
37	32100	2	7		0	13	45	5	17	9	31		0	29

#	Samples	Number of grains and percentage of KIM (only samples with >10 KIM grains)												
		Peridotitic garnet	PG (%)	Eclogitic garnet	EG (%)	Picroilmenite	IL (%)	Chromite	CR (%)	Chrome diopside	CD (%)	Olivine	OL (%)	Total
38	32101		0		0	7	58		0	5	42		0	12
39	32102	2	8	1	4	12	50	6	25		0	3	13	24
40	32103	1	2		0	24	44	14	26	11	20	4	7	54
41	32106	4	6	2	3	12	18	2	3	46	69	1	1	67
42	32107	9	18	1	2	20	41	4	8	13	27	2	4	49
43	32108	9	24	2	5	18	47	1	3	8	21		0	38
44	32109	8	9	6	6	26	28	42	45	3	3	8	9	93
45	32110	2	2		0	37	45	3	4	41	49		0	83
46	32111	6	8	2	3	13	17	32	42	19	25	5	6	77
47	32114	3	5	2	4	25	45		0	26	46		0	56
48	32115	4	6	5	7	8	12	20	30	30	45		0	67
49	32116	7	8	1	1	30	35	31	36	16	19	1	1	86
50	32117	3	6	1	2	10	21	15	31	16	33	3	6	48
51	32118	5	5		0	13	13	39	38	46	44	1	1	104
52	32119	9	12	8	11	11	15	18	25	25	34	2	3	73
53	32120	4	5	2	3	33	45	32	43	3	4		0	74
54	32121		0		0	6	17	21	58	9	25		0	36
55	32122	1	7		0	11	79	1	7	1	7		0	14
56	32123	3	8	1	3	18	45	8	20	10	25		0	40
57	32124	12	21		0	41	71	5	9		0		0	58
58	32125	27	13	6	3	168	81		0	2	1	5	2	208
59	32126	6	15		0	25	63	9	23		0		0	40
60	32127	7	12	2	4	35	61	7	12	6	11		0	57
61	32128	14	40		0	13	37	8	23		0		0	35
62	32129	19	22		0	66	76	2	2		0		0	87
63	32130	2	6		0	23	72	7	22		0		0	32
64	32131	36	12	7	2	235	79	15	5	3	1		0	296
65	32132	29	25	6	5	76	65	6	5		0		0	117
66	32133	10	14		0	57	79	5	7		0		0	72
67	32136	1	5	1	5	9	45	8	40		0	1	5	20
68	32137	1	9		0	5	45	5	45		0		0	11
69	32138	6	46		0	4	31	2	15	1	8		0	13
70	32139	29	24	9	7	65	53	12	10	7	6	1	1	123
71	32140	37	8	23	5	389	81	26	5	8	2		0	483
72	32141	2	6		0	22	65	8	24	2	6		0	34
73	32142	26	9	7	3	226	81	15	5	5	2		0	279
74	32143	12	11	7	6	77	69	15	13	1	1		0	112
75	40158	21	19		0	48	44	40	36	1	1		0	110
76	40160	4	20		0	7	35	8	40	1	5		0	20

#	Samples	Number of grains and percentage of KIM (only samples with >10 KIM grains)												
		Peridotitic garnet	PG (%)	Eclogitic garnet	EG (%)	Picroilmenite	IL (%)	Chromite	CR (%)	Chrome diopside	CD (%)	Olivine	OL (%)	Total
77	40161	11	20		0	29	52	15	27	1	2		0	56
78	40178	5	16	1	3	13	41	12	38	1	3		0	32
79	40179	3	27		0	4	36	4	36		0		0	11
80	40185	2	14	1	7	8	57	3	21		0		0	14
81	40186	3	14		0	12	55	5	23	2	9		0	22
82	40190	2	5		0	22	58	14	37		0		0	38
83	40192	2	4		0	35	67	14	27		0	1	2	52
84	40195	3	6	1	2	21	40	24	45	3	6	1	2	53
85	40197	4	17	2	9	12	52	5	22		0		0	23
86	40199	3	20	2	13	4	27	6	40		0		0	15
87	40218	4	33		0	6	50	2	17		0		0	12
88	40224	3	21		0	1	7	10	71		0		0	14
89	40225		0	1	6	3	18	13	76		0		0	17
90	40226	2	13		0	7	47	4	27	2	13		0	15
91	40227	2	18		0	4	36	5	45		0		0	11
92	40228	2	15		0	8	62	2	15	1	8		0	13
93	40229	1	8	1	8	3	25	7	58		0		0	12
94	40230	2	9		0	12	52	9	39		0		0	23
95	40231	1	6		0	9	50	8	44		0		0	18
96	40232		0		0	4	24	12	71	1	6		0	17
97	40233	1	4	1	4	8	35	12	52	1	4		0	23
98	40234	3	16	1	5	7	37	8	42		0		0	19
99	40236	1	7		0	4	27	10	67		0		0	15
100	40238	1	9		0	3	27	6	55	1	9		0	11
101	40239	6	13	2	4	25	54	13	28		0		0	46
102	40240		0		0	7	37	11	58	1	5		0	19
103	40242	1	4		0	1	4	22	88	1	4		0	25
104	40258	5	7	4	6	12	18	29	43	3	4	15	22	68
105	40259	2	5		0	10	24	21	51	8	20		0	41
106	40260	2	6	1	3	8	25	21	66		0		0	32
107	40261	8	19	4	9	11	26	18	42	1	2	1	2	43
108	40262	1	9		0	2	18	7	64	1	9		0	11
109	40263		0		0	4	33	4	33	4	33		0	12
110	40271	1	2		0	7	17	26	62	8	19		0	42
111	40272	2	3	1	2	16	28	31	53		0	8	14	58
112	40273		0	1	4	1	4	21	88	1	4		0	24
113	40274	1	3		0	9	26	18	53	6	18		0	34
114	40356	11	13	4	5	32	37	12	14	27	31	1	1	87
115	40357	19	6	7	2	190	57	68	21	42	13	5	2	331

#	Samples	Number of grains and percentage of KIM (only samples with >10 KIM grains)												
		Peridotitic gamet	PG (%)	Eclogitic gamet	EG (%)	Picroilmenite	IL (%)	Chromite	CR (%)	Chrome diopside	CD (%)	Olivine	OL (%)	Total
116	40358	3	14	2	9	5	23	8	36	3	14	1	5	22
117	40359	9	4	11	4	150	59	20	8	53	21	12	5	255
118	40360	3	4	2	3	45	59	15	20	10	13	1	1	76
119	40361	2	6	1	3	4	13	11	34	12	38	2	6	32
120	40364	2	17		0	7	58	3	25		0		0	12
121	40370	1	7		0	4	29	8	57	1	7		0	14
122	40371	2	10		0	3	15	11	55	4	20		0	20
123	40374		0		0	3	21	8	57	3	21		0	14
124	40401		0		0	13	59	8	36	1	5		0	22
125	40403	5	5	3	3	64	68	18	19	3	3	1	1	94
126	40404	4	8	3	6	21	41	16	31	7	14		0	51
127	40405	5	8	4	6	42	64	14	21	1	2		0	66
128	40406		0		0	26	72	10	28		0		0	36
129	40407	1	3		0	19	66	5	17	4	14		0	29
130	40408		0		0	10	30	13	39	10	30		0	33
131	40409	1	2	3	5	42	72	11	19		0	1	2	58
132	40410	2	5	1	2	23	55	10	24	6	14		0	42
133	40411	3	12		0	12	48	9	36	1	4		0	25
134	40485	4	2	4	2	154	60	75	29	21	8		0	258
135	40486		0		0	12	26	24	51	11	23		0	47
136	40487	1	2		0	13	31	16	38	12	29		0	42
137	40488	1	1	1	1	18	19	69	73		0	5	5	94
138	40492	3	4	1	1	42	52	31	38	4	5		0	81
139	40493	2	5		0	12	28	8	19	21	49		0	43
140	40494	4	4		0	66	59	33	30	7	6	1	1	111
141	40495	2	3	1	1	48	70	14	20	4	6		0	69
142	40496	7	8	2	2	33	40	27	33	11	13	3	4	83
143	40497	4	6	3	5	18	29	28	45	2	3	7	11	62
144	40500		0	2	4	25	56	13	29	5	11		0	45
145	TOTAL	722	9	221	3	4090	51	1965	25	847	11	125	2	7970

**Table 3: Abrasion Study - Comparison of Peridotitic Garnets to G10**

#	Client #	Total number of PG	similar to G10 (number of grains)	% of G10
1	32003	1	0	0
2	32005	2	0	0
3	32006	1	0	0
4	32007	1	0	0
5	32008	2	0	0
6	32011	1	0	0
7	32012	1	0	0
8	32013	1	0	0
9	32016	3	0	0
10	32017	2	0	0
11	32018	6	0	0
12	32019	8	0	0
13	32020	5	1	20
14	32021	12	2	17
15	32022	1	0	0
16	32023	6	0	0
17	32024	15	0	0
18	32025	8	0	0
19	32026	6	1	17
20	32027	4	0	0
21	32028	1	1	100
22	32029	2	0	0
23	32033	4	0	0
24	32035	4	2	50
25	32038	1	0	0
26	32039	3	0	0
27	32069	30	14	47
28	32070	12	5	42
29	32071	7	4	57
30	32072	3	3	100
31	32100	2	0	0
32	32102	2	1	50
33	32103	1	1	100
34	32106	4	4	100

2. 322569

#	Client #	Total number of PG	similar to G10 (number of grains)	% of G10
35	32107	9	1	11
36	32108	9	7	78
37	32109	8	2	25
38	32110	2	2	100
39	32111	6	4	67
40	32114	3	1	33
41	32115	4	3	75
42	32116	7	6	86
43	32117	3	2	67
44	32118	5	2	40
45	32119	9	8	89
46	32120	4	0	0
47	32122	1	0	0
48	32123	3	0	0
49	32124	12	2	17
50	32125	27	1	4
51	32126	6	2	33
52	32127	7	1	14
53	32128	14	4	29
54	32129	19	2	11
55	32130	2	1	50
56	32131	36	3	8
57	32132	29	3	10
58	32133	10	1	10
59	32134	1	1	100
60	32136	1	1	100
61	32137	1	1	100
62	32138	6	2	33
63	32139	29	1	3
64	32140	37	2	5
65	32141	2	0	0
66	32142	26	1	4
67	32143	12	1	8
68	40157	2	1	50
69	40158	21	3	14
70	40160	4	0	0

#	Client #	Total number of PG	Similar to G10 (number of grains)	% of G10
71	40161	11	0	0
72	40178	5	1	20
73	40179	3	1	33
74	40184	3	0	0
75	40185	2	0	0
76	40186	3	1	33
77	40190	2	0	0
78	40191	1	0	0
79	40192	2	0	0
80	40193	1	0	0
81	40194	1	0	0
82	40195	3	1	33
83	40197	4	2	50
84	40199	3	0	0
85	40200	1	0	0
86	40218	4	0	0
87	40224	3	0	0
88	40226	2	1	50
89	40227	2	0	0
90	40228	2	0	0
91	40229	1	1	100
92	40230	2	0	0
93	40231	1	0	0
94	40233	1	0	0
95	40234	3	0	0
96	40236	1	0	0
97	40238	1	0	0
98	40239	6	1	17
99	40242	1	0	0
100	40243	1	0	0
101	40258	5	2	40
102	40259	2	1	50
103	40260	2	0	0
104	40261	8	2	25
105	40262	1	0	0
106	40271	1	0	0

#	Client #	Total number of PG	similar to G10 (number of grains)	% of G10
107	40272	2	2	100
108	40274	1	0	0
109	40356	11	5	45
110	40357	19	8	42
111	40358	3	1	33
112	40359	9	6	67
113	40360	3	1	33
114	40361	2	0	0
115	40362	1	0	0
116	40363	1	0	0
117	40364	2	0	0
118	40370	1	1	100
119	40371	2	0	0
120	40377	4	0	0
121	40403	5	1	20
122	40404	4	0	0
123	40405	5	0	0
124	40407	1	1	100
125	40409	1	0	0
126	40410	2	1	50
127	40411	3	0	0
128	40485	4	0	0
129	40487	1	1	100
130	40488	1	1	100
131	40492	3	1	33
132	40493	2	0	0
133	40494	4	1	25
134	40495	2	1	50
135	40496	7	3	43
136	40497	4	3	75
<b>TOTAL</b>		<b>744</b>	<b>163</b>	<b>22</b>



**Table 4: Abrasion Study - Peridotitic Garnet: Proportion Coarse and Fine**

#	Samples	Peridotitic garnet				Total
		coarse		fine		
		>0.3mm		0.30mm - 0.25mm		
		grains	%	grains	%	
1	32003	0	0	1	100	1
2	32005	1	50	1	50	2
3	32006	1	100	0	0	1
4	32007	1	100	0	0	1
5	32008	2	100	0	0	2
6	32011	1	100	0	0	1
7	32012	1	100	0	0	1
8	32013	1	100	0	0	1
9	32016	3	100	0	0	3
10	32017	0	0	2	100	2
11	32018	6	100	0	0	6
12	32019	7	88	1	13	8
13	32020	4	80	1	20	5
14	32021	11	92	1	8	12
15	32022	0	0	1	100	1
16	32023	4	67	2	33	6
17	32024	13	87	2	13	15
18	32025	5	63	3	38	8
19	32026	6	100	0	0	6
20	32027	4	100	0	0	4
21	32028	1	100	0	0	1
22	32029	2	100	0	0	2
23	32033	2	50	2	50	4
24	32035	3	75	1	25	4
25	32038	0	0	1	100	1
26	32039	2	67	1	33	3
27	32069	20	67	10	33	30
28	32070	7	58	5	42	12
29	32071	3	43	4	57	7
30	32072	1	33	2	67	3
31	32100	1	50	1	50	2

#	Samples	Peridotitic garnet				Total
		coarse		fine		
		>0.3mm		0.30mm - 0.25mm		
		grains	%	grains	%	
32	32102	1	50	1	50	2
33	32103	1	100	0	0	1
34	32106	1	25	3	75	4
35	32107	5	56	4	44	9
36	32108	8	89	1	11	9
37	32109	6	75	2	25	8
38	32110	2	100	0	0	2
39	32111	5	83	1	17	6
40	32114	3	100	0	0	3
41	32115	2	50	2	50	4
42	32116	6	86	1	14	7
43	32117	1	33	2	67	3
44	32118	5	100	0	0	5
45	32119	8	89	1	11	9
46	32120	4	100	0	0	4
47	32122	1	100	0	0	1
48	32123	3	100	0	0	3
49	32124	9	75	3	25	12
50	32125	25	93	2	7	27
51	32126	5	83	1	17	6
52	32127	7	100	0	0	7
53	32128	8	57	6	43	14
54	32129	16	84	3	16	19
55	32130	1	50	1	50	2
56	32131	26	72	10	28	36
57	32132	19	66	10	34	29
58	32133	7	70	3	30	10
59	32134	1	100	0	0	1
60	32136	1	100	0	0	1
61	32137	1	100	0	0	1
62	32138	5	83	1	17	6
63	32139	15	52	14	48	29
64	32140	30	81	7	19	37

#	Samples	Peridotitic garnet				Total
		coarse		fine		
		>0.3mm		0.30mm - 0.25mm		
		grains	%	grains	%	
65	32141	2	100	0	0	2
66	32142	15	58	11	42	26
67	32143	8	67	4	33	12
68	40157	2	100	0	0	2
69	40158	19	90	2	10	21
70	40160	2	50	2	50	4
71	40161	5	45	6	55	11
72	40178	5	100	0	0	5
73	40179	3	100	0	0	3
74	40184	3	100	0	0	3
75	40185	2	100	0	0	2
76	40186	2	67	1	33	3
77	40190	2	100	0	0	2
78	40191	1	100	0	0	1
79	40192	2	100	0	0	2
80	40193	0	0	1	100	1
81	40194	0	0	1	100	1
82	40195	3	100	0	0	3
83	40197	3	75	1	25	4
84	40199	2	67	1	33	3
85	40200	1	100	0	0	1
86	40218	3	75	1	25	4
87	40224	3	100	0	0	3
88	40226	2	100	0	0	2
89	40227	1	50	1	50	2
90	40228	1	50	1	50	2
91	40229	1	100	0	0	1
92	40230	2	100	0	0	2
93	40231	1	100	0	0	1
94	40233	1	100	0	0	1
95	40234	1	33	2	67	3
96	40236	1	100	0	0	1
97	40238	1	100	0	0	1

#	Samples	Peridotitic garnet				Total
		coarse		fine		
		>0.3mm		0.30mm - 0.25mm		
		grains	%	grains	%	
98	40239	4	67	2	33	6
99	40242	1	100	0	0	1
100	40243	1	100	0	0	1
101	40258	4	80	1	20	5
102	40259	1	50	1	50	2
103	40260	1	50	1	50	2
104	40261	8	100	0	0	8
105	40262	1	100	0	0	1
106	40271	1	100	0	0	1
107	40272	1	50	1	50	2
108	40274	1	100	0	0	1
109	40356	8	73	3	27	11
110	40357	17	89	2	11	19
111	40358	3	100	0	0	3
112	40359	4	44	5	56	9
113	40360	3	100	0	0	3
114	40361	2	100	0	0	2
115	40362	1	100	0	0	1
116	40363	0	0	1	100	1
117	40364	1	50	1	50	2
118	40370	1	100	0	0	1
119	40371	2	100	0	0	2
120	40377	4	100	0	0	4
121	40403	5	100	0	0	5
122	40404	4	100	0	0	4
123	40405	3	60	2	40	5
124	40407	1	100	0	0	1
125	40409	1	100	0	0	1
126	40410	1	50	1	50	2
127	40411	2	67	1	33	3
128	40485	1	25	3	75	4
129	40487	1	100	0	0	1
130	40488	1	100	0	0	1

#	Samples	Peridotitic garnet				Total
		coarse		fine		
		>0.3mm		0.30mm - 0.25mm		
		grains	%	grains	%	
131	40492	3	100	0	0	3
132	40493	1	50	1	50	2
133	40494	3	75	1	25	4
134	40495	2	100	0	0	2
135	40496	3	43	4	57	7
136	40497	2	50	2	50	4
<b>TOTAL</b>		<b>555</b>	<b>75</b>	<b>189</b>	<b>25</b>	<b>744</b>

**Table 5: Abrasion Study - Abrasion of Peridotitic Garnet**

#	Samples	ABRASION OF PERIDOTITIC GARNET							Peridotitic garnet
		unabraded			slightly-abraded				
		Presence of kelephytic rim or kimberlitic patch	Presence of sharp fractured edges	Presence of delicate resorption, etching or orange-peel textures	Total		Total slightly		
					grains	%	grains	%	
1	32003	1			1	100		0	1
2	32005	1			1	50	1	50	2
3	32006				0	0	1	100	1
4	32007	1			1	100		0	1
5	32008	1			1	50	1	50	2
6	32011				0	0	1	100	1
7	32012				0	0	1	100	1
8	32013				0	0	1	100	1
9	32016	1		1	2	67	1	33	3
10	32017				0	0	2	100	2
11	32018	3		1	4	67	2	33	6
12	32019	2		3	5	63	3	38	8
13	32020		1	1	2	40	3	60	5
14	32021	3	3	2	8	67	4	33	12
15	32022	1			1	100		0	1
16	32023	2	1		3	50	3	50	6
17	32024	1		6	7	47	8	53	15
18	32025	4		1	5	100		0	5
19	32026	1		2	3	50	3	50	6
20	32027	1		1	2	50	2	50	4
21	32028			1	1	100		0	1
22	32029				0	0	2	100	2
23	32033	1			1	50	1	50	2
24	32035			1	1	25	3	75	4
25	32038			1	1	100		0	1
26	32039				0	0	3	100	3
27	32069	7	4	7	18	60	12	40	30
28	32070	2	2	3	7	58	5	42	12
29	32071	1	2		3	43	4	57	7
30	32072	1		1	2	67	1	33	3
31	32100	1			1	50	1	50	2
32	32102				0	0	2	100	2

#	Samples	ABRASION OF PERIDOTITIC GARNET							Peridotitic garnet
		<i>unabraded</i>			<i>slightly-abraded</i>				
		Presence of <i>kelephytic rim or kimberlitic patch</i>	Presence of <i>sharp fractured edges</i>	Presence of <i>delicate resorption, etching or orange-peel textures</i>	<i>Total</i>		<i>Total slightly</i>		
					grains	%	grains	%	
33	32103				0	0	1	100	1
34	32106	2	2		4	67	2	33	6
35	32107	5		2	7	78	2	22	9
36	32108	1		3	4	44	5	56	9
37	32109			3	3	38	5	63	8
38	32110				0	0	2	100	2
39	32111	1		2	3	50	3	50	6
40	32114				0	0	3	100	3
41	32115		1		1	25	3	75	4
42	32116	3	1	2	6	86	1	14	7
43	32117				0	0	3	100	3
44	32118			3	3	60	2	40	5
45	32119		1	1	2	22	7	78	9
46	32120	1	1		2	50	2	50	4
47	32122				0	0	1	100	1
48	32123			2	2	67	1	33	3
49	32124	3		1	4	33	8	67	12
50	32125	9	10	6	25	93	2	7	27
51	32126			3	3	50	3	50	6
52	32127	2		1	3	43	4	57	7
53	32128	12		1	13	93	1	7	14
54	32129	7		6	13	68	6	32	19
55	32130		1		1	50	1	50	2
56	32131	6	7	6	19	53	17	47	36
57	32132	4	4	12	20	69	9	31	29
58	32133	1	1	4	6	60	4	40	10
59	32134				0	0	1	100	1
60	32136				0	0	1	100	1
61	32137				0	0	1	100	1
62	32138	4		2	6	100		0	6
63	32139	13	4	4	21	72	8	28	29
64	32140	8	9	9	26	70	11	30	37
65	32141	1			1	50	1	50	2

#	Samples	ABRASION OF PERIDOTITIC GARNET							Peridotitic garnet
		<i>unabraded</i>					<i>slightly-abraded</i>		
		Presence of <i>kelephytic rim or kimberlitic patch</i>	Presence of <i>sharp fractured edges</i>	Presence of <i>delicate resorption, etching or orange-peel textures</i>	<i>Total</i>		<i>Total slightly</i>		
					grains	%	grains	%	
66	32142	16	3	4	23	88	3	12	26
67	32143	4	1	2	7	58	5	42	12
68	40157			1	1	50	1	50	2
69	40158	4	3	8	15	71	6	29	21
70	40160	1		2	3	75	1	25	4
71	40161			2	2	18	9	82	11
72	40178		1	1	2	40	3	60	5
73	40179			1	1	33	2	67	3
74	40184	1		1	2	67	1	33	3
75	40185			2	2	100		0	2
76	40186				0	0	3	100	3
77	40190			1	1	50	1	50	2
78	40191				0	0	1	100	1
79	40192	2			2	100		0	2
80	40193				0	0	1	100	1
81	40194				0	0	1	100	1
82	40195		1		1	33	2	67	3
83	40197				0	0	4	100	4
84	40199				0	0	3	100	3
85	40200				0	0	1	100	1
86	40218		1		1	25	3	75	4
87	40224				0	0	3	100	3
88	40226				0	0	2	100	2
89	40227	1			1	50	1	50	2
90	40228				0	0	2	100	2
91	40229			1	1	100		0	1
92	40230				0	0	2	100	2
93	40231	1			1	100		0	1
94	40233				0	0	1	100	1
95	40234	1			1	33	2	67	3
96	40236				0	0	1	100	1
97	40238			1	1	100		0	1
98	40239	1		3	4	67	2	33	6



#	Samples	ABRASION OF PERIDOTITIC GARNET							Peridotitic garnet
		<i>unabraded</i>			<i>slightly-abraded</i>		Total	Total slightly	
		<i>Presence of kelephytic rim or kimberlitic patch</i>	<i>Presence of sharp fractured edges</i>	<i>Presence of delicate resorption, etching or orange-peel textures</i>	grains	%			
99	40242	1			1	100		0	1
100	40243				0	0	1	100	1
101	40258			1	1	20	4	80	5
102	40259				0	0	2	100	2
103	40260				0	0	2	100	2
104	40261			4	4	50	4	50	8
105	40262				0	0	1	100	1
106	40271	1			1	100		0	1
107	40272	1			1	50	1	50	2
108	40274				0	0	1	100	1
109	40356	1	3	3	7	58	5	42	12
110	40357	2	6	6	14	58	10	42	24
111	40358	1			1	100		0	1
112	40359		2	2	4	36	7	64	11
113	40360		1	1	2	67	1	33	3
114	40361				0	0	2	100	2
115	40362				0	0	1	100	1
116	40363				0	0	1	100	1
117	40364				0	0	2	34	2
118	40370				0	0	1	100	1
119	40371				0	0	2	100	2
120	40377	3			3	75	1	25	4
121	40403		1	1	2	50	2	35	4
122	40404	1	1	1	3	60	2	40	5
123	40405				0	0	3	100	3
124	40407				0	0	1	100	1
125	40409		1		1	100		36	1
126	40410				0	0	2	100	2
127	40411	1	1	1	3	100		0	3
128	40485			1	1	25	3	75	4
129	40487				0	0	1	37	1
130	40488				0	0	1	100	1
131	40492	1			1	33	2	67	3

#	Samples	ABRASION OF PERIDOTITIC GARNET							Peridotitic garnet
		<i>unabraded</i>					<i>slightly-abraded</i>		
		<i>Presence of kelephytic rim or kimberlitic patch</i>	<i>Presence of sharp fractured edges</i>	<i>Presence of delicate resorption, etching or orange-peel textures</i>	<i>Total</i>		<i>Total slightly</i>		
					grains	%	grains	%	
132	40493				0	0	2	100	2
133	40494	1			1	33	2	38	3
134	40495				0	0	2	100	2
135	40496		1	2	3	43	4	57	7
136	40497			2	2	50	2	50	4
<b>TOTAL</b>		<b>165</b>	<b>82</b>	<b>160</b>	<b>407</b>	<b>55</b>	<b>337</b>	<b>45</b>	<b>744</b>

**Table 6: Abrasion Study - Ilmenite Morphology**

#	Client #	Total number of IL	Morphological groups of picroilmenite (number of grains and percentage)							
			fractured (brittle, sharp, conchoidal fractures, no surface preserved)	%	subrounded with smooth/matte surface and metallic luster	%	coated with "bumpy surface" (leucoxene, rutile, anatase coatings)	%	polygranular with coatings or without, multiply crustal growth	%
1	32003	4	1	25		0	3	75		0
2	32004	4	2	50	1	25	1	25		0
3	32005	9	3	33	1	11	3	33	2	22
4	32006	3		0	3	100		0		0
5	32007	5		0	3	60	2	40		0
6	32008	7	4	57	2	29	1	14		0
7	32009	2	1	50		0	1	50		0
8	32010									
9	32011	3		0	3	100		0		0
10	32012	1	1	100		0		0		0
11	32013	9	5	56	3	33		0	1	11
12	32014	4	2	50		0	2	50		0
13	32015									
14	32016	3		0	1	33	1	33	1	33
15	32017	7	5	71	1	14	1	14		0
16	32018	20	9	45	6	30	5	25		0
17	32019	24	13	54	2	8	7	29	2	8
18	32020	24	7	29	12	50	4	17	1	4
19	32021	30	17	57	10	33	3	10		0
20	32022	24	2	8	5	21	15	62	2	8
21	32023	9	6	67	3	33		0		0
22	32024	44	19	43	17	39	7	16	1	2
23	32025	49	13	27	21	43	10	20	5	10
24	32026	12	1	8	9	75	2	17		0
25	32027	8	2	25	2	25	2	25	2	25
26	32028	3	1	33	1	33	1	33		0
27	32029	5	1	20	4	80		0		0
28	32030	8	2	25	2	25	3	38	1	13
29	32031	4	4	100		0		0		0
30	32032	1		0		0		0	1	100
31	32033	4	4	100		0		0		0
32	32034	13	5	38	5	38	3	23		0

#	Client #	Total number of IL	Morphological groups of microilmenite (number of grains and percentage)							
			fractured (brittle, sharp, conchoidal fractures, no surface preserved)	%	subrounded with smooth/matte surface and metallic luster	%	coated with "bumpy surface" (leucoxene, rutile, anatase coatings)	%	polygranular with coatings or without, multiply crystal growth	%
33	32035	14	3	21	6	43	4	29	1	7
34	32036	11	3	27	4	36	3	27	1	9
35	32037	7	5	71	1	14	1	14		0
36	32038	6	3	50	2	33	1	17		0
37	32039	3	3	100		0		0		0
38	32069	136	65	48	51	38	18	13	2	1
39	32070	50	4	8	38	76	5	10	3	6
40	32071	51	5	10	40	78	4	8	2	4
41	32072	4		0	4	100		0		0
42	32097	9	4	44	5	56		0		0
43	32098	14	5	36	8	57	1	7		0
44	32099	13	7	54	6	46		0		0
45	32100	13	4	31	6	46	3	23		0
46	32101	7	1	14	6	86		0		0
47	32102	12	2	17	8	67	2	17		0
48	32103	24	7	29	12	50	4	17	1	4
49	32106	12		0	11	92	1	8		0
50	32107	20	7	35	13	65		0		0
51	32108	18	4	22	11	61	2	11	1	6
52	32109	26	9	35	15	58	2	8		0
53	32110	37	18	49	16	43	3	8		0
54	32111	13	9	69	4	31		0		0
55	32114	25	7	28	16	64	2	8		0
56	32115	8		0	7	88	1	13		0
57	32116	30		0	19	63		0	11	37
58	32117	10	2	20	4	40	4	40		0
59	32118	13	3	23	5	38	5	38		0
60	32119	11		0	5	45		0	6	55
61	32120	33	14	42	13	39	4	12	2	6
62	32121	6	5	83		0	1	17		0
63	32122	11	10	91		0		0	1	9
64	32123	18		0	15	83	1	6	2	11
65	32124	41	25	61	11	27	3	7	2	5

#	Client #	Total number of IL	Morphological groups of microilmenite (number of grains and percentage)							
			fractured (brittle, sharp, conchoidal fractures, no surface preserved)	%	subrounded with smooth/matte surface and metallic luster	%	coated with "bumpy surface" (leucoxene, rutile, anatase coatings)	%	polygranular with coatings or without, multiply crustal growth	%
66	32125	168	66	39	39	23	55	33	8	5
67	32126	25	13	52	10	40	2	8		0
68	32127	35	6	17	18	51	6	17	5	14
69	32128	13	5	38	4	31	3	23	1	8
70	32129	66	24	36	16	24	18	27	8	12
71	32130	23	12	52	6	26	5	22		0
72	32131	235	77	33	59	25	74	31	25	11
73	32132	76	27	36	29	38	18	24	2	3
74	32133	57	16	28	17	30	16	28	8	14
75	32134	1		0	1	100		0		0
76	32135	1		0	1	100		0		0
77	32136	9	4	44	1	11	4	44		0
78	32137	5	2	40	3	60		0		0
79	32138	4	1	25	1	25	2	50		0
80	32139	65	17	26	32	49	9	14	7	11
81	32140	389	138	35	131	34	91	23	29	7
82	32141	22	16	73	4	18	1	5	1	5
83	32142	226	75	33	90	40	43	19	18	8
84	32143	77	27	35	26	34	15	19	9	12
85	40157	4	4	100		0		0		0
86	40158	48	19	40	18	38	11	23		0
87	40159	1		0	1	100		0		0
88	40160	7	4	57	3	43		0		0
89	40161	29	6	21	10	34	12	41	1	3
90	40177	5	2	40	3	60		0		0
91	40178	13	5	38	6	46	2	15		0
92	40179	4	4	100		0		0		0
93	40184	1	1	100		0		0		0
94	40185	8	1	13	6	75	1	13		0
95	40186	12	6	50	3	25	3	25		0
96	40190	22	7	32	4	18	7	32	4	18
97	40191	2	1	50		0		0	1	50
98	40192	35	14	40	14	40	7	20		0

#	Client #	Total number of IL	Morphological groups of microilmenite (number of grains and percentage)							
			<i>fractured</i> (brittle, sharp, conchoidal fractures, no surface preserved)	%	<i>subrounded with smooth/matte surface and metallic luster</i>	%	<i>coated with "bumpy surface"</i> (leucoxene, rutile, anatase coatings)	%	<i>polygranular with coatings or without, multiply crustal growth</i>	%
99	40193	5	4	80	1	20		0		0
100	40194	2	2	100		0		0		0
101	40195	21	7	33	8	38	3	14	3	14
102	40196									
103	40197	12	5	42	5	42	2	17		0
104	40198									
105	40199	4	3	75		0	1	25		0
106	40200	1		0		0	1	100		0
107	40201	1		0	1	100		0		0
108	40202									
109	40203									
110	40218	6	4	67		0	2	33		0
111	40219									
112	40220	1	1	100		0		0		0
113	40221									
114	40222									
115	40223	2	1	50	1	50		0		0
116	40224	1	1	100		0		0		0
117	40225	3	1	33	1	33	1	33		0
118	40226	7	3	43	2	29	2	29		0
119	40227	4	1	25	3	75		0		0
120	40228	8		0	6	75	2	25		0
121	40229	3	2	67	1	33		0		0
122	40230	12	10	83		0	1	8	1	8
123	40231	9	9	100		0		0		0
124	40232	4	3	75	1	25		0		0
125	40233	8	1	13	4	50	2	25	1	13
126	40234	7	2	29	1	14	1	14	3	43
127	40235	1	1	100		0		0		0
128	40236	4		0	2	50	1	25	1	25
129	40237	3		0	3	100		0		0
130	40238	3	2	67	1	33		0		0
131	40239	25	7	28	7	28	5	24	5	20

#	Client #	Total number of IL	Morphological groups of picroilmenite (number of grains and percentage)							
			fractured (brittle, sharp, conchoidal fractures, no surface preserved)	%	subrounded with smooth/matte surface and metallic luster	%	coated with "bumpy surface" (leucoxene, rutile, anatase coatings)	%	polygranular with coatings or without, multiply crystal growth	%
132	40240	7	7	100		0		0		0
133	40241									
134	40242	1	1	100		0		0		0
135	40243	2	2	100		0		0		0
136	40258	12	4	33	5	42	3	25		0
137	40259	10		0	9	90	1	10		0
138	40260	8		0	8	100		0		0
139	40261	11		0	11	100		0		0
140	40262	2	1	50	1	50		0		0
141	40263	4		0	4	100		0		0
142	40271	7	2	29	5	71		0		0
143	40272	16	1	6	15	94		0		0
144	40273	1	1	100		0		0		0
145	40274	9		0	9	100		0		0
146	40356	32	8	25	15	47	9	28		0
147	40357	190	19	10	132	69	29	15	10	5
148	40358	5		0	4	80	1	20		0
149	40359	150	91	61	42	28	16	11	1	1
150	40360	45	15	33	20	44	7	16	3	7
151	40361	4		0	4	100		0		0
152	40362	2	1	50		0	1	50		0
153	40363									
154	40364	7	3	43		0	3	43	1	14
155	40370	4	2	50	1	25	1	25		0
156	40371	3	2	67		0	1	33		0
157	40372									
158	40373	3		0	3	100		0		0
159	40374	3	1	33		0	2	67		0
160	40375	2	1	50		0	1	50		0
161	40376	1	1	100		0		0		0
162	40377	1	1	100		0		0		0
163	40401	13	3	23	10	77		0		0
164	40403	64	27	42	21	33	16	25		0

#	Client #	Total number of IL	Morphological groups of microilmenite (number of grains and percentage)							
			fractured (brittle, sharp, conchoidal fractures, no surface preserved)	%	subrounded with smooth/matte surface and metallic luster	%	coated with "bumpy surface" (leucoxene, rutile, anatase coatings)	%	polygranular with coatings or without, multiply crustal growth	%
165	40404	21	5	24	13	62	3	14		0
166	40405	42	15	36	15	36	12	29		0
167	40406	26	5	19	18	69	2	8	1	4
168	40407	19	5	26	6	32	3	16	5	26
169	40408	10		0	4	40	6	60		0
170	40409	42	3	7	21	50	13	31	5	12
171	40410	23	10	43	7	30	4	17	2	9
172	40411	12	1	8	7	58	1	8	3	25
173	40485	154	87	56	52	34	9	6	6	4
174	40486	12	1	8	11	92		0		0
175	40487	13	4	31	5	38	3	23	1	8
176	40488	18	8	44	6	33	4	22		0
177	40492	42	18	43	12	29	9	21	3	7
178	40493	12		0	8	67	3	25	1	8
179	40494	66	8	12	42	64	11	17	5	8
180	40495	48	17	35	22	46	9	19		0
181	40496	33	14	42	11	33	5	15	3	9
182	40497	18	3	17	10	56	5	28		0
183	40500	25	6	24	12	48	4	16	3	12
<b>TOTAL</b>		<b>4149</b>	<b>1438</b>	<b>35</b>	<b>1684</b>	<b>41</b>	<b>779</b>	<b>19</b>	<b>249</b>	<b>6</b>



**APPENDIX F**

**KIM Mount Ledger and Electron Microprobe Analyses**

## KIM Mount Ledger

KIM Dynamics Inc.						Vancouver Petrographic		
Sample #	Priority #	Mineral	Number of grains	Size fraction	Location (# of hole)	slide	row	grain
32128	1	PG	8	>0.3mm	1	1	1	1-8
32128	1	PG	6	0.3 - 0.25mmm	2	1	1	9-14
32129	1	PG	12	>0.3mm	3	1	2	1-12
32129	1	EG	4	>0.3mm	4	1	3	1-4
32129	1	PG	2	0.3 - 0.25mmm	5	1	3	5-6
32129	1	EG	1	0.3 - 0.25mmm	6	1	3	7
32131	1	PG	26	>0.3mm	7	1	4+5	all
32131	1	EG	4	>0.3mm	8	1	6	1-4
32131	1	PG	10	0.3 - 0.25mmm	9	1	6	5-14
32131	1	EG	3	0.3 - 0.25mmm	10	1	6	15-17
32132	1	PG	18	>0.3mm	11	1	7	1-18
32132	1	EG	6	>0.3mm	12	1	8	1-6
32132	1	PG	9	0.3 - 0.25mmm	13	1	8	7-15
32132	1	EG	2	0.3 - 0.25mmm	14	1	9	1-2
32133	1	PG	7	>0.3mm	15	1	9	3-9
32133	1	PG	3	0.3 - 0.25mmm	16	1	9	10-12
40158	1	PG	5	0.5 - 0.4mm	17	1	9	13-17
40158	1	PG	14	>0.3mm	18	1	10	1-14
40158	1	PG	2	0.3 - 0.25mmm	19	1	11	1-2
40161	1	PG	5	>0.3mm	20	1	11	3-7
40161	1	PG	6	0.3 - 0.25mmm	21	1	11	8-13
32021	1	PG	12	>0.3mm	22	1	12	1-12
32021	1	PG	1	0.3 - 0.25mmm	23	1	12	13
32024	1	PG	5	>0.5mm	24	1	13	1-5
32024	1	PG	2	0.5 - 0.4mm	25	1	13	6-7
32024	1	PG	6	>0.3mm	26	1	13	8-13
32024	1	EG	2	>0.3mm	27	1	13	14-15
32024	1	PG	2	0.3 - 0.25mmm	28	1	14	1-2
32124	1	PG	9	>0.3mm	29	1	14	3-11
32124	1	PG	2	0.3 - 0.25mmm	30	1	14	12-14
32125	1	PG	5	>0.5mm	31	1	16	1-5
32125	1	PG	10	0.5 - 0.4mm	32	1	15	6-15
32125	1	EG	3	0.5 - 0.4mm	33	1	16	1-3
32125	1	PG	10	>0.3mm	34	1	16	4-13
32125	1	EG	3	>0.3mm	35	1	16	14-16
32125	1	PG	2	0.3 - 0.25mmm	36	2	1	1-2
40463	2	PG	13	>0.3mm	37	2	1	3-15
40463	2	PG	2	0.3 - 0.25mmm	38	2	1	16-17
40463	2	EG	1	>0.3mm	39	2	2	1
40472	2	PG	13	>0.3mm	40	2	2	2-24
40472	2	PG	1	0.3 - 0.25mmm	41	2	2	15

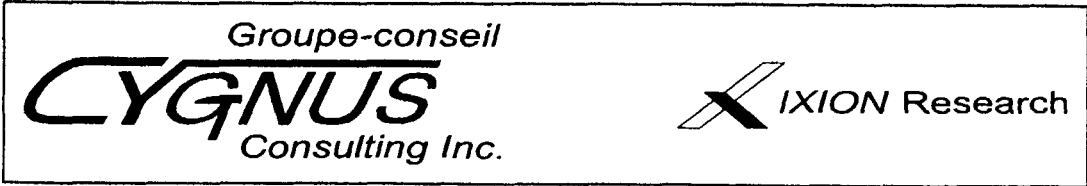
## KIM Mount Ledger

KIM Dynamics Inc.						Vancouver Petrographic		
Sample #	Priority #	Mineral	Number of grains	Size fraction	Location (# of hole)	slide	row	grain
40472	2	EG	17	>0.3mm	42	2	3	1-17
40474	2	PG	10	>0.3mm	43	2	4	1-10
40474	2	PG	3	0.3 - 0.25mmm	44	2	4	11-13
40474	2	EG	1	0.3 - 0.25mmm	45	2	4	14
40478	2	PG	12	>0.3mm	46	2	5	1-12
40478	2	PG	2	0.3 - 0.25mmm	47	2	5	13-14
40480	2	PG	11	>0.3mm	48	2	6	1-11
40480	2	EG	1	>0.3mm	49	2	6	12
40482	2	PG	16	>0.3mm	50	2	7	1-16
40482	2	PG	3	0.3 - 0.25mmm	51	2	8	1-3
40482	2	EG	2	>0.3mm	52	2	8	4-5
32069	3	PG	15	>0.3mm	53	2	9	1-15
32069	3	PG	5	>0.3mm	54	2	10	105
32069	3	EG	10	>0.3mm	55	2	10	6-15
32069	3	PG	10	0.3 - 0.25mmm	56	2	11	1-10
32069	3	EG	1	0.3 - 0.25mmm	57	2	11	11
32070	3	PG	7	>0.3mm	58	2	12	1-7
32070	3	EG	4	>0.3mm	59	2	12	8-11
32070	3	PG	5	0.3 - 0.25mmm	60	2	13	1-5
32070	3	EG	2	0.3 - 0.25mmm	61	2	13	6-7
32107	3	PG	5	>0.3mm	62	2	13	8-12
32107	3	EG	1	>0.3mm	63	2	13	13
32107	3	PG	4	0.3 - 0.25mmm	64	2	14	1-4
32108	3	PG	8	>0.3mm	65	2	14	5-12
32108	3	EG	1	>0.3mm	66	2	14	13
32108	3	PG	1	0.3 - 0.25mmm	67	2	14	14
32108	3	EG	1	0.3 - 0.25mmm	68	2	14	15
32109	3	PG	6	>0.3mm	69	2	15	1-6
32109	3	EG	5	>0.3mm	70	2	15	7-11
32109	3	PG	2	0.3 - 0.25mmm	71	2	15	12-13
32109	3	EG	1	0.3 - 0.25mmm	72	2	15	14
32119	3	PG	1	>0.5mm	73	2	15	15
32119	3	PG	2	0.5 - 0.4mm	74	2	16	1-2
32119	3	EG	5	0.5 - 0.4mm	75	2	16	3-7
32119	3	PG	5	>0.3mm	76	2	16	8-12
32119	3	EG	3	0.3 - 0.25mmm	77	2	16	13-15
32119	3	PG	1	0.3 - 0.25mmm	78	2	16	16
30139	3	PG	15	>0.3mm	79	2	17	1-15
30139	3	EG	1	>0.3mm	80	2	18	1
30139	3	PG	14	0.3 - 0.25mmm	81	2	18	2-15
30139	3	EG	8	0.3 - 0.25mmm	82	3	1	1-8

## KIM Mount Ledger

KIM Dynamics Inc.						Vancouver Petrographic		
Sample #	Priority #	Mineral	Number of grains	Size fraction	Location (# of hole)	slide	row	grain
32140	3	PG	7	>0.5mm	83	3	1	9-15
32140	3	EG	3	>0.5mm	84	3	2	1-3
32140	3	PG	9	0.5 - 0.4mm	85	3	2	4-12
32140	3	EG	4	0.5 - 0.4mm	86	3	2	13-16
32140	3	PG	14	>0.3mm	87	3	3	1-14
32140	3	EG	6	>0.3mm	88	3	4	1-6
32140	3	PG	7	0.3 - 0.25mmm	89	3	4	7-13
32140	3	EG	10	0.3 - 0.25mmm	90	3	5	1-10
32142	3	PG	15	>0.3mm	91	3	6	1-15
32142	3	PG	20	>0.3mm	92	3	7	1-20
32142	3	EG	5	>0.3mm	93	3	8	1-5
32142	3	PG	11	0.3 - 0.25mmm	94	3	8	6-16
32142	3	EG	2	0.3 - 0.25mmm	95	3	9	1-2
30143	3	PG	8	>0.3mm	96	3	9	3-10
30143	3	EG	1	>0.3mm	97	3	9	11
30143	3	PG	4	0.3 - 0.25mmm	98	3	10	1-4
30143	3	EG	6	0.3 - 0.25mmm	99	3	10	5-10
40261	3	PG	2	0.5 - 0.4mm	100	3	10	11-12
40261	3	PG	2	0.5 - 0.4mm	101	3	11	1-2
40261	3	PG	6	>0.3mm	102	3	11	3-8
40261	3	EG	2	>0.3mm	103	3	11	9-10
40356	3	PG	8	>0.3mm	104	3	12	1-8
40356	3	EG	3	>0.3mm	105	3	12	9-11
40356	3	PG	3	0.3 - 0.25mmm	106	3	12	12-14
40356	3	EG	1	0.3 - 0.25mmm	107	3	13	1
40357	3	PG	3	>0.5mm	108	3	13	2-4
40357	3	PG	9	0.5 - 0.4mm	109	3	13	5-13
40357	3	EG	2	0.5 - 0.4mm	110	3	13	14-15
40357	3	PG	5	>0.3mm	111	3	14	1-5
40357	3	EG	5	>0.3mm	112	3	14	6-10
40357	3	PG	2	0.3 - 0.25mmm	113	3	14	11-12
40359	3	PG	4	>0.3mm	114	3	14	13-16
40359	3	EG	10	>0.3mm	115	3	15	1-10
40359	3	PG	5	0.3 - 0.25mmm	116	3	15	11-15
40359	3	EG	1	0.3 - 0.25mmm	117	3	15	16
TOTAL			689					

# APPENDIX F: KIMBERLITE INDICATOR MINERAL ELECTRON MICROPROBE ANALYSES



## High-Precision Garnet Analyses by Electron Microprobe-WDS

Client designation "Temex; Slides KD-1 to -3".

Polished grains received from Teck Cominco Ltd. on 06/05/18.

Analyses completed on 06/05/31.

Jeol JXA-8900L electron microprobe using ZAF correction; 15 kV, 30 nA; 20 s peak counts, except 25 s for Mn; 5 um beam; high-precision quantitative data. Total Fe as FeO. Typical lower detection limits at 3-sigma are 0.02 wt% for SiO2, Al2O3, MgO and Na2O, 0.03 wt% for MnO and CaO, 0.04 wt% for TiO2, FeO and K2O, and 0.05 wt% for Cr2O3.

Pyrope- and chromite-based standards for major elements in pyrope; Mg-almandine-based standard for Fe, and pyrope for other major elements in intermediate (12.9-18 wt% FeO) garnet compositions; Mg-almandine-based standard for major elements in Mg-almandine and almandine.

### Weight Percent

Slide	Row - Grain	Sample	Comments	SiO2 %	TiO2 %	Al2O3 %	Cr2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	Total %
KD-1	1-1	32128		41.96	0.57	21.66	2.08	7.38	0.27	21.03	4.69	0.04	0.00	99.69
KD-1	1-2	32128		41.37	0.02	20.72	4.62	7.41	0.45	19.61	5.21	0.01	0.00	99.42
KD-1	1-3	32128		41.62	0.04	20.96	4.47	7.48	0.45	19.89	5.11	0.02	0.00	100.03
KD-1	1-4	32128		41.42	0.45	19.55	5.22	7.10	0.28	19.99	5.66	0.04	0.02	99.73
KD-1	1-5	32128		40.73	0.07	20.71	4.13	11.86	0.44	16.87	5.55	0.01	0.01	100.37
KD-1	1-6	32128		41.75	0.03	21.16	4.29	7.48	0.48	19.89	4.95	0.02	0.00	100.04
KD-1	1-7	32128		41.72	0.04	21.05	4.40	7.48	0.47	19.83	5.03	0.03	0.00	100.06
KD-1	1-8	32128		41.41	0.54	18.71	6.24	6.80	0.29	19.85	5.92	0.03	0.00	99.79
KD-1	1-9	32128		41.40	0.02	20.26	5.36	7.48	0.47	19.53	5.26	0.02	0.01	99.79
KD-1	1-10	32128		41.47	0.00	21.01	4.18	7.47	0.47	19.84	5.04	0.00	0.02	99.50
KD-1	1-11	32128		41.31	0.04	20.52	4.97	7.54	0.44	19.49	5.17	0.03	0.00	99.51
KD-1	1-12	32128		42.08	0.03	21.23	4.21	7.46	0.45	20.15	4.88	0.01	0.00	100.50
KD-1	1-13	32128		41.50	0.06	20.41	5.11	7.61	0.49	19.68	5.26	0.02	0.00	100.13
KD-1	1-14	32128		41.81	0.03	20.95	4.39	7.49	0.49	19.94	5.15	0.01	0.00	100.25
KD-1	2-1	32129		41.89	0.55	21.20	3.20	7.50	0.32	20.26	5.05	0.05	0.00	100.01
KD-1	2-2	32129		41.74	0.40	20.45	4.29	7.11	0.29	20.38	5.20	0.04	0.00	99.89
KD-1	2-3	32129		41.28	0.44	20.08	4.47	9.44	0.42	19.04	4.91	0.05	0.00	100.14
KD-1	2-4	32129		41.26	0.48	20.05	4.55	7.55	0.29	19.98	5.30	0.04	0.00	99.49
KD-1	2-5	32129		41.95	0.22	22.54	2.05	7.45	0.32	21.13	4.25	0.05	0.00	99.96
KD-1	2-6	32129		41.99	0.00	23.04	1.74	9.02	0.46	19.96	4.29	0.00	0.03	100.52
KD-1	2-7	32129		41.40	0.12	21.43	3.27	8.90	0.43	19.08	4.97	0.04	0.00	99.64
KD-1	2-8	32129		40.94	0.37	18.62	6.82	6.57	0.29	19.68	6.12	0.03	0.01	99.45
KD-1	2-9	32129		41.81	0.36	21.35	3.12	7.06	0.28	20.69	4.73	0.04	0.00	99.42
KD-1	2-10	32129		41.00	0.12	20.58	4.57	8.53	0.48	18.99	5.28	0.04	0.00	99.56
KD-1	2-11	32129		41.76	0.05	22.32	2.50	8.27	0.38	19.91	4.70	0.02	0.00	99.91
KD-1	2-12	32129		41.34	0.05	19.99	5.29	7.80	0.43	19.05	5.74	0.02	0.02	99.72
KD-1	3-5	32129		41.49	0.01	20.40	4.90	7.80	0.40	19.38	5.67	0.00	0.02	100.06
KD-1	3-6	32129		41.41	0.08	20.48	4.80	7.43	0.44	19.60	5.44	0.03	0.00	99.71
KD-1	4-1	32131		42.11	0.44	21.65	2.40	7.47	0.30	20.69	4.78	0.03	0.03	99.88
KD-1	4-2	32131		41.61	0.28	21.34	3.37	8.81	0.42	19.31	5.04	0.06	0.00	100.25
KD-1	4-3	32131		41.41	0.13	21.03	4.12	7.93	0.42	19.64	5.03	0.03	0.00	99.74
KD-1	4-4	32131		41.68	0.05	21.06	4.04	7.65	0.38	19.99	5.16	0.01	0.00	99.98
KD-1	4-5	32131		41.86	0.33	21.25	3.35	7.10	0.29	20.87	4.76	0.03	0.01	99.82

Slide	Row - Grain	Sample	Comments	SiO2 %	TiO2 %	Al2O3 %	Cr2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	Total %
KD-1	4-6	32131		40.66	0.19	21.65	2.36	12.90	0.59	16.03	5.22	0.04	0.00	99.64
KD-1	4-7	32131		41.85	0.63	20.82	3.20	7.87	0.30	20.09	5.21	0.05	0.02	99.84
KD-1	4-8	32131		41.50	0.60	20.62	3.10	7.72	0.22	20.61	5.01	0.05	0.01	99.43
KD-1	4-9	32131		41.77	0.22	21.65	2.88	7.08	0.26	20.97	4.86	0.01	0.00	99.71
KD-1	4-10	32131		41.04	0.93	18.22	5.95	6.67	0.27	20.35	5.87	0.06	0.01	99.36
KD-1	4-11	32131		41.73	0.69	21.01	2.72	9.04	0.31	20.03	4.69	0.11	0.00	100.35
KD-1	4-12	32131		41.29	0.19	22.29	2.27	9.09	0.44	19.44	4.82	0.06	0.00	99.88
KD-1	4-13	32131		41.83	0.66	21.45	2.25	7.84	0.25	20.63	4.99	0.05	0.00	99.95
KD-1	5-1	32131		41.29	0.89	20.71	2.89	8.21	0.32	19.90	5.37	0.08	0.00	99.64
KD-1	5-2	32131		41.91	0.70	21.38	2.11	7.65	0.28	20.80	4.96	0.05	0.00	99.83
KD-1	5-3	32131		38.54	0.01	22.01	0.04	26.88	0.49	10.29	1.78	0.00	0.01	100.06
KD-1	5-4	32131		41.75	0.16	22.31	2.30	9.30	0.40	19.47	4.50	0.05	0.00	100.22
KD-1	5-5	32131		41.33	0.32	19.14	5.91	7.13	0.28	19.73	5.69	0.02	0.02	99.56
KD-1	5-6	32131		41.81	0.20	20.79	4.01	8.70	0.40	19.65	4.95	0.05	0.00	100.55
KD-1	5-7	32131		41.61	0.63	21.22	2.98	7.36	0.26	20.60	4.73	0.07	0.02	99.47
KD-1	5-8	32131		41.33	0.51	19.43	5.45	7.41	0.31	19.73	5.55	0.05	0.00	99.75
KD-1	5-9	32131		41.44	0.06	22.82	1.67	10.35	0.33	18.42	5.15	0.02	0.00	100.26
KD-1	5-10	32131		41.59	0.18	21.20	3.48	7.34	0.29	20.31	5.17	0.02	0.00	99.58
KD-1	5-11	32131		41.95	0.40	21.85	2.40	7.15	0.27	21.16	4.61	0.01	0.02	99.81
KD-1	5-12	32131		41.85	0.08	22.83	1.81	8.83	0.36	19.95	4.51	0.00	0.01	100.22
KD-1	5-13	32131		41.62	0.27	21.01	3.66	7.26	0.32	20.51	4.96	0.03	0.00	99.64
KD-1	6-5	32131		41.48	0.01	21.20	4.27	7.67	0.47	20.55	3.93	0.01	0.00	99.60
KD-1	6-6	32131		42.27	0.30	21.78	3.05	6.70	0.28	21.28	4.70	0.05	0.00	100.39
KD-1	6-7	32131		41.72	0.38	20.18	4.52	7.20	0.30	20.37	5.06	0.05	0.00	99.78
KD-1	6-8	32131		41.12	0.80	17.63	7.02	6.88	0.32	19.76	6.17	0.04	0.02	99.77
KD-1	6-9	32131		41.87	0.10	22.35	2.49	8.36	0.40	20.20	4.26	0.05	0.00	100.08
KD-1	6-10	32131		41.46	0.44	19.64	5.44	6.70	0.26	20.38	5.30	0.07	0.02	99.70
KD-1	6-11	32131		42.02	0.06	20.87	4.70	7.40	0.43	21.33	3.28	0.00	0.00	100.09
KD-1	6-12	32131		41.48	0.69	20.71	3.37	8.18	0.29	20.06	4.93	0.08	0.00	99.77
KD-1	6-13	32131		41.69	0.39	20.37	4.07	7.28	0.29	20.03	5.24	0.04	0.01	99.41
KD-1	6-14	32131		40.95	0.18	19.99	5.03	10.47	0.53	17.62	5.31	0.04	0.00	100.10
KD-1	7-1	32132		41.39	0.59	20.32	4.26	7.11	0.26	20.45	5.33	0.05	0.00	99.75
KD-1	7-2	32132		41.50	0.54	19.40	5.52	6.63	0.27	20.41	5.54	0.06	0.00	99.87
KD-1	7-3	32132		41.37	0.86	19.02	4.98	7.44	0.23	20.31	5.72	0.04	0.00	99.97
KD-1	7-4	32132		41.98	0.51	21.81	2.42	7.98	0.30	20.93	4.44	0.06	0.00	100.43
KD-1	7-5	32132		41.85	0.60	21.95	2.06	8.39	0.33	20.01	4.79	0.05	0.02	100.05
KD-1	7-6	32132		41.26	0.71	20.57	3.21	8.18	0.30	20.16	5.17	0.05	0.00	99.59
KD-1	7-7	32132		42.01	0.70	21.91	1.77	7.99	0.26	20.71	4.79	0.05	0.00	100.19
KD-1	7-8	32132		41.56	0.73	21.98	1.86	8.74	0.35	19.83	4.83	0.06	0.00	99.93
KD-1	7-9	32132		41.70	0.39	20.74	3.76	7.16	0.29	20.26	5.26	0.03	0.00	99.58
KD-1	7-10	32132		41.73	0.13	23.76	0.61	9.18	0.32	19.06	5.50	0.04	0.00	100.33
KD-1	7-11	32132		42.42	0.00	23.72	1.29	5.82	0.22	20.10	6.59	0.00	0.00	100.16
KD-1	7-12	32132		41.86	0.04	21.03	4.47	7.47	0.42	21.47	3.02	0.02	0.01	99.81
KD-1	7-13	32132		41.74	0.42	21.03	3.61	7.05	0.31	20.44	5.18	0.04	0.01	99.81
KD-1	7-14	32132		41.67	0.91	20.67	3.24	8.05	0.30	19.91	5.41	0.08	0.01	100.24
KD-1	7-15	32132		38.88	0.04	22.20	0.09	24.53	0.52	11.32	2.86	0.00	0.02	100.46
KD-1	7-16	32132		41.49	0.09	19.94	5.73	7.81	0.42	19.20	5.78	0.02	0.00	100.49
KD-1	7-17	32132		41.44	0.03	19.73	5.95	7.54	0.46	19.35	5.20	0.02	0.00	99.71
KD-1	7-18	32132		41.77	0.00	21.33	4.45	7.54	0.39	21.63	2.95	0.02	0.00	100.07
KD-1	8-7	32132		42.00	0.41	21.54	3.31	6.77	0.31	21.04	4.84	0.03	0.01	100.26
KD-1	8-8	32132		38.53	0.05	21.89	0.06	25.32	0.45	10.24	3.20	0.02	0.00	99.75
KD-1	8-9	32132		41.84	0.60	21.20	3.33	8.28	0.34	19.90	4.97	0.06	0.00	100.52
KD-1	8-10	32132		41.40	0.86	21.10	2.33	9.22	0.32	19.58	4.78	0.10	0.02	99.70
KD-1	8-11	32132		42.27	0.69	21.52	2.31	7.48	0.27	20.76	5.04	0.05	0.00	100.39
KD-1	8-12	32132	grain not exposed											
KD-1	8-13	32132		41.59	0.07	20.75	4.65	7.36	0.50	19.87	5.35	0.04	0.00	100.19
KD-1	8-14	32132		41.91	0.02	21.15	4.27	7.33	0.45	20.48	4.48	0.04	0.01	100.14
KD-1	8-15	32132		41.90	0.32	21.96	2.53	7.21	0.27	20.77	4.73	0.03	0.00	99.71
KD-1	9-3	32133		41.85	0.73	21.38	2.29	7.87	0.29	20.53	5.07	0.05	0.02	100.07

Slide	Row - Grain	Sample	Comments	SiO2 %	TiO2 %	Al2O3 %	Cr2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	Total %
KD-1	9-4	32133		41.09	0.24	20.13	4.97	8.47	0.48	18.86	5.62	0.05	0.01	99.92
KD-1	9-5	32133		41.55	0.07	23.01	1.64	9.31	0.42	19.38	5.04	0.02	0.02	100.44
KD-1	9-6	32133		41.41	0.92	21.25	2.58	8.67	0.31	19.85	5.34	0.06	0.00	100.40
KD-1	9-7	32133		41.66	0.33	21.03	3.60	7.25	0.32	20.48	5.14	0.03	0.00	99.84
KD-1	9-8	32133		41.54	0.22	22.28	2.52	8.76	0.41	19.67	4.74	0.04	0.01	100.18
KD-1	9-9	32133		41.89	0.69	21.53	2.00	7.68	0.27	20.68	4.86	0.06	0.02	99.68
KD-1	9-10	32133		41.67	0.83	20.36	3.49	8.02	0.31	20.11	5.46	0.08	0.00	100.33
KD-1	9-11	32133		41.47	0.49	21.50	3.04	8.80	0.41	19.84	4.43	0.08	0.01	100.08
KD-1	9-12	32133		40.80	0.02	19.42	6.40	7.87	0.46	18.75	5.87	0.01	0.00	99.59
KD-1	9-13	40158		41.44	0.47	20.60	4.16	7.17	0.29	20.51	4.90	0.03	0.00	99.55
KD-1	9-14	40158		42.15	0.34	21.85	2.79	7.14	0.29	21.19	4.65	0.03	0.00	100.42
KD-1	9-15	40158		41.68	0.91	18.91	5.42	6.98	0.29	20.36	5.88	0.05	0.00	100.48
KD-1	9-16	40158		40.99	0.14	21.94	2.61	12.25	0.47	17.26	4.83	0.03	0.02	100.52
KD-1	9-17	40158		41.74	0.76	20.74	3.03	7.93	0.29	20.47	5.20	0.06	0.04	100.26
KD-1	10-1	40158		41.72	0.53	20.33	4.20	7.22	0.30	20.64	5.24	0.04	0.01	100.22
KD-1	10-2	40158		41.57	0.37	21.39	3.11	7.52	0.31	20.57	4.88	0.04	0.02	99.77
KD-1	10-3	40158		41.02	0.94	20.17	3.79	8.60	0.34	19.54	5.47	0.08	0.00	99.95
KD-1	10-4	40158		42.15	0.25	22.15	2.30	7.17	0.29	21.06	4.72	0.03	0.00	100.12
KD-1	10-5	40158		41.99	0.58	21.29	2.99	7.40	0.30	20.70	4.98	0.02	0.00	100.24
KD-1	10-6	40158		41.43	0.03	21.25	4.65	7.45	0.39	21.38	3.14	0.01	0.01	99.71
KD-1	10-7	40158		41.87	0.51	21.73	2.59	7.22	0.28	21.35	4.65	0.03	0.01	100.24
KD-1	10-8	40158		41.63	0.22	20.42	5.09	7.14	0.43	21.27	3.63	0.03	0.00	99.87
KD-1	10-9	40158		41.55	0.18	21.03	3.87	8.80	0.44	19.11	5.46	0.02	0.00	100.46
KD-1	10-10	40158		41.15	1.10	18.96	5.02	7.89	0.32	19.74	5.69	0.09	0.01	99.96
KD-1	10-11	40158		41.49	0.77	21.03	2.33	8.85	0.30	20.27	4.84	0.06	0.00	99.93
KD-1	10-12	40158		41.27	0.04	20.19	5.65	7.68	0.48	19.74	5.31	0.03	0.00	100.39
KD-1	10-13	40158		41.85	0.73	20.77	3.26	7.92	0.30	19.96	5.47	0.07	0.00	100.31
KD-1	10-14	40158		41.55	0.85	19.44	4.63	7.35	0.29	20.26	5.62	0.04	0.00	100.03
KD-1	11-1	40158		41.72	0.12	22.61	2.30	8.70	0.39	19.66	4.77	0.02	0.00	100.27
KD-1	11-2	40158		41.59	0.48	19.75	5.05	6.98	0.31	20.19	5.60	0.05	0.02	100.00
KD-1	11-3	40161		41.55	0.51	20.61	3.96	7.73	0.30	20.40	5.09	0.05	0.00	100.20
KD-1	11-4	40161		41.48	0.96	20.91	2.54	8.83	0.32	19.77	5.26	0.10	0.00	100.17
KD-1	11-5	40161		41.49	0.83	20.83	2.84	8.65	0.34	19.99	5.04	0.08	0.00	100.10
KD-1	11-6	40161		41.13	0.27	20.25	4.79	8.70	0.45	19.15	5.21	0.06	0.01	100.01
KD-1	11-7	40161		35.84	0.08	20.27	0.00	24.20	17.65	0.88	0.53	0.01	0.01	99.47
KD-1	11-8	40161		41.18	0.67	20.60	3.79	7.81	0.28	20.28	4.86	0.07	0.00	99.54
KD-1	11-9	40161		41.08	0.99	17.71	6.55	8.22	0.33	18.85	6.40	0.09	0.00	100.22
KD-1	11-10	40161		41.39	0.17	20.78	4.23	8.30	0.45	19.75	5.02	0.04	0.00	100.12
KD-1	11-11	40161		41.86	0.03	21.81	3.56	7.24	0.34	20.26	5.19	0.01	0.02	100.32
KD-1	11-12	40161		41.24	0.02	20.27	5.17	8.40	0.45	19.00	5.67	0.02	0.01	100.24
KD-1	11-13	40161		40.77	0.74	18.47	6.22	7.37	0.32	19.58	6.21	0.02	0.00	99.70
KD-1	12-1	32021		41.49	0.11	21.34	3.94	8.67	0.48	19.28	5.10	0.04	0.02	100.48
KD-1	12-2	32021		41.43	0.19	21.35	3.50	8.26	0.43	20.27	4.09	0.07	0.01	99.58
KD-1	12-3	32021		41.23	0.44	18.98	6.24	7.15	0.28	20.02	5.33	0.09	0.03	99.79
KD-1	12-4	32021		42.04	0.11	21.34	3.40	7.11	0.29	20.79	4.99	0.02	0.00	100.08
KD-1	12-5	32021		41.64	0.10	22.78	2.10	9.03	0.38	19.66	4.59	0.03	0.00	100.30
KD-1	12-6	32021		41.80	0.42	20.90	3.77	7.27	0.31	20.79	5.17	0.05	0.00	100.48
KD-1	12-7	32021		41.65	0.06	20.08	5.55	7.32	0.38	19.64	5.67	0.03	0.00	100.37
KD-1	12-8	32021		40.97	0.13	19.41	5.86	7.18	0.32	19.69	5.74	0.03	0.00	99.33
KD-1	12-9	32021		35.63	0.02	20.41	0.00	27.58	14.64	0.87	0.21	0.02	0.01	99.39
KD-1	12-10	32021		41.71	0.76	21.38	2.32	9.41	0.32	19.92	4.47	0.11	0.00	100.40
KD-1	12-11	32021		41.66	0.92	20.73	2.73	8.61	0.26	19.89	5.35	0.05	0.00	100.21
KD-1	12-12	32021		41.56	0.71	19.53	5.14	7.11	0.31	20.05	5.60	0.06	0.00	100.08
KD-1	12-13	32021		41.67	0.07	19.79	5.64	7.04	0.29	19.97	5.88	0.02	0.01	100.36
KD-1	13-1	32024		41.98	0.67	21.72	1.83	7.70	0.24	20.79	4.84	0.05	0.00	99.81
KD-1	13-2	32024		41.70	0.56	20.19	4.49	7.16	0.30	20.40	5.48	0.04	0.00	100.30
KD-1	13-3	32024		41.74	0.37	20.82	3.96	7.37	0.28	20.26	5.22	0.04	0.00	100.06
KD-1	13-4	32024		41.94	0.21	22.80	1.80	7.61	0.33	20.63	4.55	0.02	0.00	99.89
KD-1	13-5	32024		41.56	0.84	17.96	6.53	7.05	0.27	20.26	5.80	0.03	0.00	100.30

Slide	Row - Grain	Sample	Comments	SiO2 %	TiO2 %	Al2O3 %	Cr2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	Total %
KD-1	13-6	32024		41.54	0.76	21.43	2.35	9.40	0.34	19.66	4.79	0.09	0.00	100.36
KD-1	13-7	32024		41.88	0.73	21.28	2.27	7.84	0.27	20.51	5.22	0.06	0.00	100.05
KD-1	13-8	32024		42.15	0.30	21.93	2.81	7.40	0.29	20.58	4.81	0.03	0.00	100.31
KD-1	13-9	32024		41.35	0.05	21.01	4.32	7.90	0.48	19.13	5.72	0.02	0.01	99.98
KD-1	13-10	32024		41.65	0.21	22.23	2.14	8.89	0.44	19.59	4.65	0.04	0.00	99.87
KD-1	13-11	32024		41.54	0.24	20.07	4.77	7.24	0.32	20.00	5.51	0.05	0.02	99.76
KD-1	13-12	32024		42.09	0.73	20.94	3.00	7.48	0.26	20.59	5.22	0.05	0.00	100.38
KD-1	13-13	32024		41.56	0.59	21.49	2.71	8.06	0.32	20.12	5.24	0.05	0.00	100.12
KD-1	14-1	32024		41.61	0.18	21.27	3.49	9.57	0.46	18.85	5.06	0.05	0.00	100.54
KD-1	14-2	32024		41.84	0.04	21.70	3.20	8.94	0.43	19.12	5.20	0.01	0.00	100.48
KD-1	14-3	32124		41.51	0.77	20.78	2.79	9.20	0.31	19.87	4.75	0.11	0.00	100.08
KD-1	14-4	32124		41.65	0.09	19.72	5.66	6.88	0.31	20.09	5.96	0.02	0.01	100.38
KD-1	14-5	32124		41.52	0.19	20.04	5.26	7.44	0.35	20.20	5.31	0.03	0.00	100.35
KD-1	14-6	32124		41.55	0.59	19.11	5.95	7.32	0.32	19.83	5.82	0.05	0.00	100.53
KD-1	14-7	32124		41.48	0.44	19.02	6.20	6.53	0.31	20.38	5.63	0.04	0.02	100.06
KD-1	14-8	32124		41.56	0.05	20.54	5.24	7.49	0.47	20.15	4.76	0.03	0.00	100.27
KD-1	14-9	32124		41.39	0.55	17.98	7.31	6.46	0.30	20.21	5.86	0.06	0.01	100.13
KD-1	14-10	32124		41.03	0.45	17.82	7.62	6.65	0.28	20.29	5.33	0.03	0.00	99.50
KD-1	14-11	32124		41.64	0.32	20.07	5.00	7.01	0.29	20.54	5.33	0.02	0.00	100.22
KD-1	14-12	32124		42.01	0.23	22.78	1.99	8.21	0.42	20.38	4.48	0.04	0.01	100.55
KD-1	14-13	32124		42.41	0.00	22.08	3.63	7.35	0.41	22.42	2.08	0.02	0.01	100.41
KD-1	14-14	32124		41.75	0.04	21.50	3.78	7.74	0.50	20.03	4.88	0.03	0.01	100.26
KD-1	15-1	32125		41.46	0.87	19.69	4.41	7.52	0.27	20.38	5.16	0.12	0.00	99.88
KD-1	15-2	32125		41.67	0.27	22.14	2.69	8.46	0.45	19.77	4.89	0.05	0.00	100.37
KD-1	15-3	32125		41.60	0.18	21.16	4.04	8.24	0.46	19.39	5.23	0.04	0.01	100.35
KD-1	15-4	32125		42.03	0.33	21.06	3.72	6.93	0.34	20.65	4.95	0.05	0.01	100.07
KD-1	15-5	32125		41.93	0.40	21.46	3.00	7.62	0.29	20.43	4.94	0.05	0.01	100.13
KD-1	15-6	32125		41.96	0.78	21.24	2.55	8.35	0.30	20.09	5.04	0.07	0.00	100.38
KD-1	15-7	32125		41.20	0.62	16.59	8.98	6.90	0.35	19.30	6.44	0.05	0.01	100.44
KD-1	15-8	32125		41.79	0.12	20.61	4.69	7.81	0.42	20.40	4.60	0.03	0.00	100.46
KD-1	15-9	32125		42.07	0.72	21.06	2.87	7.30	0.26	20.71	5.21	0.04	0.00	100.23
KD-1	15-10	32125		41.86	0.87	19.73	4.55	7.38	0.24	20.56	5.16	0.08	0.00	100.42
KD-1	15-11	32125		41.84	0.05	22.99	1.90	8.79	0.36	19.88	4.53	0.05	0.00	100.38
KD-1	15-12	32125		41.51	0.13	21.70	3.32	8.68	0.45	19.39	5.13	0.03	0.00	100.33
KD-1	15-13	32125		41.81	0.70	21.45	2.61	7.95	0.33	20.17	5.13	0.06	0.00	100.21
KD-1	15-14	32125		41.73	0.34	21.62	3.10	7.45	0.33	20.50	4.79	0.03	0.00	99.88
KD-1	15-15	32125		41.87	0.31	21.52	3.05	7.72	0.29	20.78	4.73	0.03	0.00	100.30
KD-1	16-4	32125		41.77	0.05	20.24	5.37	7.92	0.47	19.76	4.74	0.03	0.00	100.34
KD-1	16-5	32125		42.06	0.03	20.76	4.98	7.47	0.48	20.00	4.78	0.01	0.00	100.56
KD-1	16-6	32125		41.77	0.82	20.87	3.08	8.00	0.30	20.02	5.24	0.07	0.00	100.16
KD-1	16-7	32125		41.47	0.90	17.72	6.65	7.14	0.25	19.99	6.21	0.02	0.01	100.36
KD-1	16-8	32125		41.23	0.15	20.46	4.70	8.66	0.46	18.78	5.53	0.07	0.02	100.05
KD-1	16-9	32125		41.86	0.51	22.19	2.02	8.65	0.34	20.24	4.44	0.05	0.00	100.30
KD-1	16-10	32125		41.42	0.52	21.15	3.14	7.57	0.30	20.40	5.06	0.04	0.00	99.61
KD-1	16-11	32125		41.35	0.13	22.53	1.95	10.53	0.50	18.58	4.40	0.03	0.00	99.99
KD-1	16-12	32125		41.81	0.47	21.14	3.35	7.26	0.29	20.66	4.87	0.04	0.00	99.90
KD-1	16-13	32125		42.10	0.33	21.46	2.94	7.32	0.28	20.67	4.88	0.04	0.00	100.02
KD-2	1-1	32125		41.77	0.43	22.27	1.77	8.05	0.29	20.74	4.38	0.05	0.00	99.74
KD-2	1-2	32125		41.53	0.57	17.55	7.69	6.67	0.29	19.99	6.00	0.05	0.04	100.38
KD-2	1-3	40463		42.35	0.19	21.25	3.64	6.80	0.27	20.81	5.18	0.01	0.01	100.50
KD-2	1-4	40463		41.55	0.07	21.36	3.87	7.79	0.48	20.47	4.42	0.03	0.01	100.06
KD-2	1-5	40463		42.09	0.08	19.62	5.74	6.41	0.25	20.39	5.86	0.01	0.01	100.46
KD-2	1-6	40463		41.80	0.17	21.34	3.77	7.43	0.37	20.27	4.89	0.02	0.00	100.05
KD-2	1-7	40463		41.59	0.16	20.08	4.80	7.70	0.40	19.92	5.16	0.04	0.00	99.84
KD-2	1-8	40463		40.66	0.12	18.39	7.28	7.75	0.43	17.97	7.00	0.00	0.01	99.61
KD-2	1-9	40463		42.01	0.35	21.45	3.10	8.35	0.34	19.90	4.96	0.02	0.01	100.49
KD-2	1-10	40463		41.47	0.19	20.12	5.11	7.64	0.37	19.79	5.60	0.03	0.00	100.32
KD-2	1-11	40463		41.70	0.17	20.54	4.91	7.54	0.46	19.69	5.45	0.04	0.00	100.50



Slide	Row - Grain	Sample	Comments	SiO2 %	TiO2 %	Al2O3 %	Cr2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	Total %
KD-2	1-12	40463		41.40	0.28	19.56	5.48	7.39	0.36	19.90	5.58	0.03	0.02	99.99
KD-2	1-13	40463		40.92	0.13	17.95	7.92	7.77	0.42	17.86	7.46	0.01	0.00	100.44
KD-2	1-14	40463		41.29	0.15	18.80	7.22	6.85	0.37	19.17	6.27	0.01	0.02	100.15
KD-2	1-15	40463		41.81	0.24	20.68	4.07	6.98	0.28	20.43	5.42	0.03	0.01	99.95
KD-2	1-16	40463		41.36	0.05	19.30	6.54	7.23	0.48	19.29	5.99	0.02	0.00	100.25
KD-2	1-17	40463		41.36	0.28	20.36	4.56	7.97	0.35	19.72	5.33	0.03	0.00	99.96
KD-2	2-2	40472		41.76	0.03	20.09	5.71	7.52	0.44	19.98	5.02	0.01	0.00	100.54
KD-2	2-3	40472		41.82	0.24	21.31	3.37	7.28	0.36	20.43	5.01	0.00	0.01	99.83
KD-2	2-4	40472		40.93	0.64	18.52	6.38	7.15	0.37	19.31	6.27	0.04	0.00	99.59
KD-2	2-5	40472		41.28	0.31	20.89	4.05	8.18	0.42	20.03	4.59	0.07	0.00	99.83
KD-2	2-6	40472		40.95	0.18	18.97	6.62	7.35	0.40	19.05	6.24	0.04	0.00	99.79
KD-2	2-7	40472		41.35	0.00	20.86	4.50	6.97	0.47	19.35	6.06	0.00	0.03	99.59
KD-2	2-8	40472		42.05	0.31	20.29	4.96	6.91	0.34	20.54	5.16	0.04	0.00	100.60
KD-2	2-9	40472		41.14	0.62	18.13	6.82	7.49	0.30	19.40	6.13	0.03	0.02	100.08
KD-2	2-10	40472		41.35	0.13	20.79	4.53	8.00	0.42	19.57	5.44	0.02	0.01	100.28
KD-2	2-11	40472		41.82	0.04	21.07	4.29	6.93	0.42	20.75	4.56	0.04	0.00	99.93
KD-2	2-12	40472		40.84	0.65	18.79	5.90	8.76	0.39	18.54	6.02	0.07	0.00	99.95
KD-2	2-13	40472		41.84	0.12	21.99	2.99	8.37	0.41	19.91	4.97	0.01	0.00	100.61
KD-2	2-14	40472		42.06	0.04	22.05	3.28	7.10	0.35	21.01	4.26	0.01	0.00	100.17
KD-2	2-15	40472		41.81	0.35	22.17	2.36	8.36	0.31	20.51	4.61	0.05	0.00	100.52
KD-2	4-1	40474		42.38	0.23	22.16	2.28	7.24	0.29	20.92	4.92	0.02	0.01	100.46
KD-2	4-2	40474		41.91	0.25	21.33	3.54	7.80	0.36	20.11	4.95	0.03	0.01	100.29
KD-2	4-3	40474		41.91	0.24	23.05	1.31	8.78	0.37	20.14	4.47	0.03	0.02	100.29
KD-2	4-4	40474		40.44	0.17	19.80	4.60	12.50	0.61	15.79	6.23	0.02	0.00	100.15
KD-2	4-5	40474		41.81	0.09	20.95	3.99	7.28	0.34	20.33	4.98	0.02	0.00	99.78
KD-2	4-6	40474		41.64	0.25	19.59	5.62	7.81	0.34	19.28	5.82	0.03	0.01	100.40
KD-2	4-7	40474		41.57	0.00	21.59	3.62	7.54	0.40	19.71	5.25	0.00	0.00	99.67
KD-2	4-8	40474		41.68	0.50	19.70	5.23	6.66	0.27	20.50	5.39	0.05	0.01	99.98
KD-2	4-9	40474		41.66	0.25	19.42	5.89	7.63	0.41	19.50	5.72	0.03	0.00	100.51
KD-2	4-10	40474		41.90	0.39	21.72	2.60	7.88	0.36	20.13	5.06	0.02	0.00	100.06
KD-2	4-11	40474		36.79	0.07	20.78	0.00	29.51	10.73	2.00	0.49	0.02	0.01	100.40
KD-2	4-12	40474		36.72	0.06	20.64	0.00	28.14	11.95	2.16	0.83	0.02	0.01	100.52
KD-2	4-13	40474		41.57	0.08	21.71	3.11	8.22	0.40	19.83	4.92	0.01	0.00	99.84
KD-2	5-1	40478		41.74	0.11	18.06	7.67	6.24	0.29	19.85	6.40	0.03	0.01	100.40
KD-2	5-2	40478		41.76	0.17	20.32	4.87	7.64	0.40	19.79	5.39	0.02	0.00	100.37
KD-2	5-3	40478		42.23	0.36	20.75	3.93	7.08	0.27	20.77	5.10	0.02	0.00	100.49
KD-2	5-4	40478		41.79	0.17	21.61	3.32	8.61	0.38	19.75	4.65	0.05	0.00	100.32
KD-2	5-5	40478		41.22	0.20	19.09	6.56	8.20	0.51	18.42	6.35	0.03	0.02	100.59
KD-2	5-6	40478		41.43	0.26	20.54	4.23	7.98	0.34	19.75	5.37	0.04	0.00	99.95
KD-2	5-7	40478		41.40	0.10	20.76	4.68	7.89	0.41	19.86	5.15	0.02	0.00	100.26
KD-2	5-8	40478		41.70	0.22	20.13	5.37	6.99	0.39	20.26	5.15	0.05	0.01	100.27
KD-2	5-9	40478		41.92	1.21	20.65	3.09	7.21	0.28	20.64	5.13	0.07	0.00	100.19
KD-2	5-10	40478		41.47	0.09	17.77	7.83	6.62	0.31	19.29	6.70	0.00	0.02	100.11
KD-2	5-11	40478		41.57	0.00	21.17	4.30	7.78	0.46	19.62	5.48	0.01	0.00	100.39
KD-2	5-12	40478		41.90	0.34	19.87	4.95	7.16	0.29	20.33	5.66	0.03	0.00	100.52
KD-2	5-13	40478		41.79	0.41	21.55	2.87	7.96	0.35	20.24	4.69	0.04	0.00	99.89
KD-2	5-14	40478		41.37	0.17	19.17	6.53	7.43	0.38	18.75	6.53	0.01	0.00	100.35
KD-2	6-1	40480		41.49	0.33	18.85	6.46	6.84	0.28	19.91	5.94	0.03	0.01	100.13
KD-2	6-2	40480		41.70	0.15	19.22	6.06	6.56	0.27	20.14	6.07	0.02	0.00	100.17
KD-2	6-3	40480		41.90	0.12	21.73	3.25	7.99	0.38	19.85	5.00	0.02	0.00	100.24
KD-2	6-4	40480		41.46	0.00	21.82	3.35	8.45	0.52	18.75	5.62	0.01	0.00	99.97
KD-2	6-5	40480		41.83	0.46	21.17	2.88	7.80	0.29	20.43	5.13	0.04	0.00	100.02
KD-2	6-6	40480		41.12	0.12	17.92	7.72	7.92	0.37	18.27	6.92	0.02	0.00	100.37
KD-2	6-7	40480		41.85	0.12	19.37	6.19	6.62	0.28	20.01	6.04	0.00	0.01	100.48
KD-2	6-8	40480		41.52	0.52	19.94	4.34	7.82	0.26	19.63	5.98	0.01	0.00	100.01
KD-2	6-9	40480		41.82	0.28	19.34	5.88	6.86	0.28	20.02	5.78	0.01	0.00	100.27
KD-2	6-10	40480		41.89	0.17	20.66	4.54	7.60	0.36	20.03	5.20	0.04	0.00	100.48
KD-2	6-11	40480		41.54	0.36	18.57	6.77	6.69	0.27	20.27	5.71	0.03	0.00	100.20
KD-2	7-1	40482		41.31	0.32	18.79	6.71	7.48	0.38	19.53	5.91	0.03	0.00	100.46

Slide	Row - Grain	Sample	Comments	SiO2 %	TiO2 %	Al2O3 %	Cr2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	Total %
KD-2	7-2	40482		41.15	0.02	19.38	6.15	8.32	0.45	18.00	6.92	0.01	0.00	100.39
KD-2	7-3	40482		41.71	0.22	19.41	5.84	6.67	0.26	20.25	5.64	0.03	0.02	100.04
KD-2	7-4	40482		41.56	0.27	18.52	7.04	6.74	0.35	19.82	6.22	0.02	0.00	100.53
KD-2	7-5	40482		41.80	0.00	21.70	3.84	7.44	0.40	20.32	4.85	0.01	0.01	100.37
KD-2	7-6	40482		41.69	0.03	21.63	3.74	7.20	0.43	19.75	5.60	0.00	0.01	100.08
KD-2	7-7	40482		41.23	0.22	19.51	5.83	7.95	0.43	19.13	5.83	0.03	0.00	100.15
KD-2	7-8	40482		41.63	0.29	19.48	5.80	7.32	0.32	19.69	5.73	0.03	0.00	100.30
KD-2	7-9	40482		41.59	0.11	20.93	4.21	8.02	0.36	19.90	5.37	0.01	0.00	100.49
KD-2	7-10	40482		41.44	0.32	18.53	7.00	6.82	0.33	19.76	6.13	0.02	0.01	100.34
KD-2	7-11	40482		41.54	0.08	21.03	4.46	7.59	0.44	19.64	5.38	0.02	0.02	100.20
KD-2	7-12	40482		41.59	0.07	20.84	4.66	7.60	0.41	19.05	5.85	0.03	0.00	100.09
KD-2	7-13	40482		41.57	0.32	18.50	7.08	6.68	0.38	19.64	6.26	0.03	0.00	100.46
KD-2	7-14	40482		41.33	0.31	18.50	7.23	6.59	0.33	19.34	6.32	0.04	0.03	100.01
KD-2	7-15	40482		41.55	0.44	17.60	7.74	6.72	0.29	19.63	6.50	0.02	0.00	100.48
KD-2	7-16	40482		41.62	0.21	20.49	4.71	7.45	0.35	19.93	5.39	0.02	0.00	100.17
KD-2	8-1	40482		41.28	0.18	19.88	5.62	7.05	0.45	19.46	5.72	0.04	0.00	99.69
KD-2	8-2	40482		41.58	0.07	20.82	4.61	7.69	0.42	19.61	5.39	0.03	0.00	100.19
KD-2	8-3	40482		41.07	0.29	19.20	6.04	7.68	0.40	19.19	5.81	0.04	0.00	99.72
KD-2	9-1	32069		41.32	0.13	19.95	5.37	7.72	0.37	19.59	5.38	0.05	0.00	99.87
KD-2	9-2	32069		41.60	0.00	21.95	3.13	7.49	0.47	20.25	4.67	0.00	0.00	99.57
KD-2	9-3	32069		40.83	0.02	21.31	3.28	11.21	0.71	16.92	5.85	0.02	0.00	100.14
KD-2	9-4	32069		41.56	0.00	21.26	4.01	7.56	0.50	20.16	4.62	0.01	0.02	99.68
KD-2	9-5	32069		41.33	0.19	19.95	5.31	7.65	0.42	19.50	5.34	0.02	0.00	99.72
KD-2	9-6	32069		41.54	0.09	20.67	4.64	8.07	0.47	19.09	5.45	0.02	0.00	100.04
KD-2	9-7	32069		41.66	0.16	20.02	5.27	7.75	0.37	19.67	5.33	0.03	0.00	100.27
KD-2	9-8	32069		41.12	0.07	21.62	3.39	8.74	0.61	19.22	4.93	0.03	0.02	99.72
KD-2	9-9	32069		41.39	0.16	20.14	5.21	7.75	0.39	19.62	5.39	0.05	0.01	100.10
KD-2	9-10	32069		41.22	0.02	20.99	4.41	8.47	0.49	19.52	4.72	0.01	0.00	99.84
KD-2	9-11	32069		41.61	0.01	21.38	3.96	7.82	0.50	19.75	4.72	0.02	0.00	99.76
KD-2	9-12	32069		41.47	0.00	21.10	4.33	7.76	0.50	19.77	4.89	0.00	0.00	99.83
KD-2	9-13	32069		40.87	0.03	21.66	3.25	10.17	0.68	17.65	5.79	0.02	0.00	100.12
KD-2	9-14	32069		41.29	0.44	20.21	4.76	7.20	0.29	20.36	5.11	0.07	0.00	99.72
KD-2	9-15	32069		41.71	0.02	22.00	3.42	7.81	0.50	20.16	4.64	0.03	0.00	100.29
KD-2	10-1	32069		36.93	0.02	21.35	0.01	34.73	1.13	4.94	0.86	0.00	0.00	99.97
KD-2	10-2	32069		41.10	0.10	21.55	2.81	12.14	0.47	17.25	5.17	0.02	0.01	100.61
KD-2	10-3	32069	grain not exposed											
KD-2	10-4	32069		41.76	0.04	21.36	4.17	7.86	0.48	20.20	4.72	0.00	0.00	100.60
KD-2	10-5	32069		41.62	0.15	20.04	5.28	7.71	0.39	19.68	5.36	0.04	0.01	100.28
KD-2	11-1	32069		39.96	0.10	18.91	5.75	11.77	0.57	15.03	7.57	0.01	0.02	99.69
KD-2	11-2	32069		41.52	0.00	20.82	4.75	7.81	0.43	19.41	5.54	0.01	0.03	100.31
KD-2	11-3	32069	grain not exposed											
KD-2	11-4	32069		41.62	0.02	21.51	3.59	8.73	0.51	19.45	5.00	0.01	0.01	100.44
KD-2	11-5	32069		41.49	0.30	19.92	5.54	7.22	0.35	20.39	5.17	0.04	0.00	100.42
KD-2	11-6	32069		41.67	0.01	22.29	2.67	8.96	0.53	19.46	4.65	0.00	0.00	100.25
KD-2	11-7	32069		37.24	0.02	21.24	0.01	33.31	0.94	5.38	2.05	0.00	0.00	100.18
KD-2	11-8	32069		41.44	0.27	19.20	6.21	7.08	0.31	19.81	6.17	0.01	0.00	100.50
KD-2	11-9	32069		42.19	0.37	21.59	2.11	8.48	0.28	20.30	4.59	0.07	0.02	100.00
KD-2	11-10	32069		41.56	0.18	19.91	5.34	7.78	0.39	19.65	5.42	0.04	0.00	100.27
KD-2	12-1	32070		41.53	0.00	22.30	2.56	9.16	0.59	18.83	5.53	0.01	0.00	100.51
KD-2	12-2	32070	grain not exposed											
KD-2	12-3	32070		41.44	0.01	21.36	3.73	7.20	0.46	20.00	5.31	0.00	0.03	99.54
KD-2	12-4	32070		41.49	0.04	21.64	3.33	9.33	0.51	18.75	5.25	0.01	0.02	100.37
KD-2	12-5	32070		41.79	0.88	19.60	4.34	6.81	0.30	20.86	5.17	0.07	0.00	99.82
KD-2	12-6	32070		41.62	0.00	22.14	3.15	7.47	0.44	20.29	5.21	0.01	0.00	100.33
KD-2	12-7	32070		41.74	0.03	21.55	3.28	8.69	0.53	19.35	5.08	0.00	0.00	100.24
KD-2	13-1	32070		41.79	0.01	21.08	4.37	7.59	0.49	19.84	5.33	0.02	0.00	100.52
KD-2	13-2	32070		41.85	0.27	22.41	2.08	8.61	0.39	20.03	4.73	0.04	0.00	100.40
KD-2	13-3	32070		41.56	0.04	20.83	4.48	8.21	0.54	19.28	5.51	0.01	0.00	100.47
KD-2	13-4	32070		41.22	0.01	21.77	3.21	9.26	0.57	18.41	5.68	0.01	0.00	100.14

Slide	Row - Grain	Sample	Comments	SiO2 %	TiO2 %	Al2O3 %	Cr2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	Total %
KD-2	13-5	32070		41.49	0.00	21.03	4.30	7.73	0.47	20.25	4.67	0.02	0.00	99.94
KD-2	13-8	32107		41.57	0.03	20.45	4.94	8.24	0.47	19.19	5.41	0.02	0.00	100.32
KD-2	13-9	32107		41.41	0.05	20.28	5.23	8.28	0.48	19.05	5.50	0.03	0.01	100.31
KD-2	13-10	32107		41.12	0.00	21.87	3.10	8.65	0.61	18.62	5.83	0.01	0.03	99.84
KD-2	13-11	32107		41.09	0.05	19.71	6.00	8.19	0.53	18.68	6.00	0.02	0.01	100.29
KD-2	13-12	32107		40.95	0.07	19.80	5.91	8.23	0.53	18.64	5.99	0.02	0.00	100.14
KD-2	14-1	32107		41.40	0.07	19.91	5.39	8.18	0.52	18.93	5.75	0.03	0.01	100.18
KD-2	14-2	32107		41.29	0.06	19.56	5.86	8.21	0.53	18.70	5.99	0.03	0.01	100.23
KD-2	14-3	32107	grain not exposed											
KD-2	14-4	32107		41.43	0.22	19.15	6.11	7.23	0.32	19.72	5.81	0.03	0.01	100.02
KD-2	14-5	32108		41.74	0.61	19.80	4.21	7.58	0.32	20.00	5.52	0.03	0.00	99.81
KD-2	14-6	32108		41.56	0.04	20.28	5.25	7.61	0.47	20.75	3.91	0.04	0.00	99.90
KD-2	14-7	32108		41.25	0.04	20.46	5.07	8.26	0.47	18.98	5.79	0.00	0.01	100.32
KD-2	14-8	32108		41.66	0.02	21.19	4.19	8.02	0.47	19.67	5.04	0.02	0.02	100.30
KD-2	14-9	32108		41.94	0.01	22.12	3.07	7.92	0.50	20.27	4.46	0.01	0.00	100.30
KD-2	14-10	32108		42.00	0.46	21.94	1.88	8.76	0.28	20.32	4.78	0.07	0.00	100.49
KD-2	14-11	32108		41.55	0.00	20.60	4.91	7.27	0.44	19.77	5.57	0.02	0.00	100.12
KD-2	14-12	32108		41.40	0.18	20.21	5.29	7.77	0.38	19.85	5.30	0.03	0.00	100.41
KD-2	14-14	32108		41.58	0.07	20.69	4.57	8.30	0.49	19.03	5.75	0.00	0.00	100.47
KD-2	15-1	32109		42.07	0.40	21.94	2.42	7.37	0.26	21.14	4.63	0.04	0.01	100.29
KD-2	15-2	32109		41.78	0.54	21.10	2.73	8.74	0.31	20.24	4.83	0.05	0.00	100.32
KD-2	15-3	32109		41.68	0.09	20.94	3.84	9.02	0.42	19.02	5.26	0.01	0.01	100.29
KD-2	15-4	32109		41.46	0.10	20.81	4.60	7.98	0.42	19.41	5.47	0.03	0.01	100.29
KD-2	15-5	32109		40.68	0.03	22.52	1.74	15.23	0.55	15.24	4.49	0.02	0.01	100.50
KD-2	15-6	32109		41.42	0.60	21.48	2.02	9.19	0.33	19.60	4.81	0.05	0.00	99.49
KD-2	15-12	32109		36.49	0.08	20.56	0.00	26.01	15.41	1.45	0.37	0.02	0.00	100.39
KD-2	15-13	32109		40.13	0.07	19.49	5.39	11.79	0.62	15.16	7.46	0.01	0.00	100.14
KD-2	15-15	32119		41.90	0.05	22.33	2.60	8.35	0.39	19.85	4.92	0.03	0.00	100.41
KD-2	16-1	32119		41.54	0.01	21.49	3.97	7.91	0.48	20.03	4.83	0.01	0.00	100.25
KD-2	16-2	32119		41.90	0.05	21.48	3.33	10.29	0.32	20.54	2.52	0.02	0.01	100.44
KD-2	16-8	32119		40.89	0.04	20.73	3.96	11.47	0.45	17.02	5.78	0.01	0.00	100.35
KD-2	16-9	32119		41.19	0.05	19.95	5.57	9.48	0.40	18.74	5.17	0.01	0.00	100.56
KD-2	16-10	32119		41.64	0.12	20.82	4.38	7.72	0.46	19.55	5.56	0.03	0.00	100.28
KD-2	16-11	32119		41.69	0.04	21.76	3.42	7.96	0.46	20.19	4.49	0.00	0.00	100.01
KD-2	16-12	32119		41.97	0.02	21.40	3.94	7.68	0.46	20.50	4.57	0.03	0.01	100.55
KD-2	16-16	32119		41.23	0.02	20.70	4.83	8.66	0.53	18.32	6.25	0.00	0.00	100.54
KD-2	17-1	30139		41.76	0.47	21.33	2.87	7.47	0.30	20.68	4.99	0.04	0.00	99.91
KD-2	17-2	30139		40.94	0.26	18.09	7.37	8.31	0.45	18.03	6.68	0.04	0.00	100.17
KD-2	17-3	30139		41.71	0.17	21.62	3.37	8.21	0.43	19.88	4.73	0.05	0.04	100.22
KD-2	17-4	30139		42.07	0.42	21.12	3.11	7.44	0.31	20.56	4.98	0.03	0.00	100.05
KD-2	17-5	30139		41.39	0.36	18.25	7.15	7.63	0.35	19.34	5.91	0.05	0.00	100.41
KD-2	17-6	30139		41.58	0.43	19.61	5.17	7.08	0.29	20.39	5.48	0.05	0.00	100.09
KD-2	17-7	30139		41.78	0.24	22.19	2.38	8.52	0.44	19.65	5.01	0.04	0.01	100.24
KD-2	17-8	30139		41.76	0.06	23.22	1.15	9.68	0.37	18.86	5.06	0.01	0.00	100.17
KD-2	17-9	30139		42.11	0.38	21.15	3.48	7.14	0.29	20.95	4.85	0.03	0.02	100.38
KD-2	17-10	30139		41.36	0.59	19.61	5.12	7.11	0.28	20.21	5.51	0.06	0.00	99.84
KD-2	17-11	30139		40.96	0.43	17.79	7.51	6.50	0.31	20.01	5.79	0.01	0.00	99.30
KD-2	17-12	30139		41.74	0.64	20.36	4.17	7.25	0.28	20.76	5.03	0.06	0.00	100.29
KD-2	17-13	30139		41.69	0.65	20.27	4.35	7.21	0.28	20.67	5.04	0.06	0.00	100.21
KD-2	17-14	30139		41.32	0.86	17.35	7.03	6.96	0.26	19.90	6.22	0.04	0.02	99.96
KD-2	17-15	30139		42.05	0.65	21.29	2.98	7.31	0.30	20.75	5.06	0.03	0.01	100.41
KD-2	18-2	30139		41.69	0.71	20.04	4.07	7.86	0.29	20.20	5.28	0.05	0.00	100.19
KD-2	18-3	30139		41.68	0.63	20.84	3.27	8.14	0.32	20.17	5.16	0.05	0.00	100.25
KD-2	18-4	30139		41.88	0.64	21.99	1.74	8.67	0.35	20.47	4.62	0.06	0.00	100.41
KD-2	18-5	30139		42.08	0.60	21.11	2.92	7.66	0.29	20.51	5.06	0.06	0.00	100.28
KD-2	18-8	30139		41.46	0.41	20.67	3.62	7.52	0.31	20.38	5.20	0.04	0.00	99.62
KD-2	18-7	30139		41.66	0.93	20.35	3.55	8.00	0.31	20.02	5.55	0.05	0.00	100.42
KD-2	18-8	30139		41.32	0.85	18.19	6.63	7.20	0.33	19.72	5.99	0.06	0.00	100.29
KD-2	18-9	30139		41.95	0.73	21.40	2.18	8.06	0.30	20.70	5.07	0.04	0.01	100.44

Slide	Row - Grain	Sample	Comments	SiO2 %	TiO2 %	Al2O3 %	Cr2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	Total %
KD-2	18-10	30139		41.54	0.75	19.47	4.92	7.55	0.38	20.06	5.53	0.05	0.02	100.25
KD-2	18-11	30139		41.68	0.13	21.81	2.93	9.80	0.41	19.09	5.04	0.02	0.00	100.49
KD-2	18-12	30139		41.12	0.65	17.47	7.64	6.64	0.26	19.65	6.55	0.04	0.00	100.03
KD-2	18-13	30139		42.14	0.20	21.20	3.70	7.13	0.27	20.52	5.24	0.02	0.00	100.42
KD-2	18-14	30139		41.06	0.01	20.40	4.82	8.16	0.45	18.90	5.71	0.00	0.00	99.50
KD-2	18-15	30139		41.62	0.35	20.55	4.68	7.82	0.35	19.85	5.15	0.05	0.00	100.41
KD-3	1-9	32140		41.91	0.40	21.49	2.76	7.44	0.26	20.91	4.84	0.04	0.00	100.03
KD-3	1-10	32140		42.14	0.36	21.13	3.31	7.13	0.30	21.10	4.88	0.03	0.00	100.38
KD-3	1-11	32140		41.52	0.07	21.88	3.10	7.63	0.38	20.36	4.72	0.02	0.03	99.70
KD-3	1-12	32140		41.45	0.28	20.76	3.35	10.48	0.44	18.80	4.87	0.06	0.01	100.50
KD-3	1-13	32140		41.12	0.17	20.53	3.71	11.03	0.52	17.68	5.51	0.02	0.00	100.29
KD-3	1-14	32140		41.64	0.59	21.76	2.36	8.00	0.31	20.76	4.55	0.04	0.02	100.04
KD-3	1-15	32140		41.87	0.53	20.28	4.08	7.33	0.30	20.54	5.38	0.03	0.00	100.34
KD-3	2-4	32140		41.04	1.05	18.21	6.17	6.61	0.29	19.90	5.97	0.06	0.00	99.30
KD-3	2-5	32140		41.24	0.16	20.48	4.21	9.05	0.46	18.78	5.35	0.03	0.00	99.76
KD-3	2-6	32140		41.44	0.34	20.53	4.27	7.21	0.30	20.42	4.91	0.04	0.01	99.46
KD-3	2-7	32140		41.63	0.07	21.43	3.22	8.98	0.43	19.23	5.28	0.01	0.02	100.29
KD-3	2-8	32140		41.01	0.74	18.94	5.42	8.32	0.29	19.45	5.56	0.07	0.00	99.80
KD-3	2-9	32140		41.54	0.81	19.14	5.09	7.50	0.29	20.15	5.26	0.07	0.00	99.84
KD-3	2-10	32140		41.25	0.72	20.09	3.58	8.46	0.34	19.82	5.07	0.06	0.00	99.39
KD-3	2-11	32140		41.81	0.76	20.35	3.22	7.65	0.28	20.51	5.24	0.08	0.02	99.91
KD-3	2-12	32140		42.04	0.25	21.11	3.31	7.26	0.31	20.69	5.10	0.01	0.01	100.08
KD-3	3-1	32140		41.60	0.07	20.64	4.44	7.85	0.42	19.34	5.54	0.00	0.00	99.89
KD-3	3-2	32140		41.50	0.20	18.82	6.20	6.76	0.31	19.99	5.83	0.02	0.02	99.64
KD-3	3-3	32140		41.20	0.67	18.87	5.12	7.48	0.27	19.97	5.66	0.06	0.00	99.30
KD-3	3-4	32140		41.20	0.22	19.43	5.71	8.17	0.54	19.99	5.71	0.05	0.01	99.93
KD-3	3-5	32140		41.42	0.21	21.29	3.25	8.74	0.44	19.20	5.09	0.02	0.01	99.67
KD-3	3-6	32140		41.54	0.72	19.67	4.30	6.81	0.26	20.78	5.38	0.04	0.00	99.49
KD-3	3-7	32140		41.74	0.37	20.66	4.07	7.15	0.29	20.74	4.89	0.05	0.00	99.96
KD-3	3-8	32140		42.00	0.13	21.59	3.03	7.05	0.28	20.95	4.87	0.02	0.00	99.92
KD-3	3-9	32140		41.71	0.10	22.50	1.99	9.09	0.40	19.70	4.62	0.03	0.00	100.15
KD-3	3-10	32140		41.55	0.27	19.95	4.86	6.96	0.30	20.46	5.19	0.03	0.01	99.57
KD-3	3-11	32140		41.70	0.73	19.86	3.73	7.37	0.26	20.42	5.31	0.06	0.00	99.42
KD-3	3-12	32140		41.74	0.75	20.68	2.77	9.35	0.31	20.00	4.65	0.09	0.00	100.34
KD-3	3-13	32140		41.41	0.96	20.11	3.34	8.19	0.29	19.92	5.40	0.06	0.02	99.69
KD-3	3-14	32140		36.33	0.00	20.28	0.00	36.73	3.45	1.56	1.26	0.00	0.00	99.61
KD-3	4-7	32140		41.10	1.15	18.23	5.58	7.98	0.33	19.61	5.93	0.08	0.00	100.00
KD-3	4-8	32140		41.57	0.80	20.91	2.85	9.17	0.31	19.80	4.87	0.11	0.00	100.39
KD-3	4-9	32140		41.77	0.58	20.97	2.69	8.50	0.32	20.30	4.67	0.04	0.00	99.82
KD-3	4-10	32140		41.32	0.31	20.58	3.61	8.68	0.39	19.38	5.30	0.03	0.01	99.61
KD-3	4-11	32140		41.47	0.12	20.37	4.28	7.99	0.44	19.59	5.18	0.03	0.00	99.47
KD-3	4-12	32140		41.77	0.53	20.04	4.39	6.60	0.31	20.97	4.92	0.06	0.03	99.61
KD-3	4-13	32140		41.97	0.43	21.25	3.16	7.53	0.27	20.70	4.88	0.05	0.02	100.27
KD-3	6-1	32142		41.69	0.38	20.10	4.08	7.51	0.31	20.25	5.06	0.04	0.01	99.44
KD-3	6-2	32142		41.73	0.55	20.71	3.77	7.31	0.29	20.72	5.03	0.06	0.02	100.19
KD-3	6-3	32142		41.78	0.61	21.84	1.88	8.35	0.26	20.35	4.80	0.06	0.00	99.92
KD-3	6-4	32142		41.04	0.84	17.28	7.10	6.89	0.27	19.89	6.16	0.02	0.01	99.49
KD-3	6-5	32142		41.58	0.13	20.02	5.02	7.16	0.30	20.30	5.41	0.03	0.00	99.95
KD-3	6-6	32142		41.90	0.39	20.39	4.21	7.60	0.30	20.80	4.53	0.05	0.00	100.17
KD-3	6-7	32142		41.48	0.08	20.79	4.31	8.18	0.49	19.62	5.08	0.03	0.00	100.07
KD-3	6-8	32142		41.76	0.16	20.85	3.92	7.34	0.34	20.52	4.87	0.01	0.01	99.78
KD-3	6-9	32142		41.75	0.69	20.89	2.95	8.30	0.32	20.68	4.55	0.09	0.00	100.21
KD-3	6-10	32142		41.85	0.37	20.29	4.32	7.21	0.31	20.49	5.23	0.04	0.00	100.12
KD-3	6-11	32142		41.77	0.63	20.34	3.81	7.29	0.34	20.46	5.08	0.06	0.03	99.80
KD-3	6-12	32142		41.74	0.30	20.81	3.88	7.69	0.34	20.53	4.76	0.05	0.00	100.09
KD-3	6-13	32142		41.34	0.10	20.81	3.79	8.96	0.45	19.17	5.42	0.03	0.00	100.07
KD-3	6-14	32142		42.23	0.00	23.34	1.28	6.26	0.22	20.66	5.76	0.01	0.00	99.74
KD-3	6-15	32142		41.74	0.18	19.89	4.76	6.74	0.28	20.42	5.56	0.02	0.02	99.61

Slide	Row - Grain	Sample	Comments	SiO2 %	TiO2 %	Al2O3 %	Cr2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	Total %
KD-3	7-1	32142		42.06	0.43	21.74	2.23	7.24	0.27	20.98	4.72	0.04	0.00	99.70
KD-3	7-2	32142		41.48	0.11	20.38	4.47	8.09	0.44	19.59	5.07	0.03	0.00	99.85
KD-3	7-3	32142		41.68	0.08	21.27	3.73	7.54	0.39	20.11	5.24	0.02	0.01	100.07
KD-3	7-4	32142		41.77	0.75	20.01	3.42	7.88	0.31	20.08	5.41	0.06	0.01	99.68
KD-3	7-5	32142		41.95	0.68	21.01	2.18	7.58	0.27	20.74	4.97	0.04	0.01	99.41
KD-3	7-6	32142		40.47	0.94	14.56	10.33	6.72	0.33	19.10	6.95	0.06	0.00	99.44
KD-3	7-7	32142		41.74	0.09	21.26	3.60	9.33	0.40	19.33	4.80	0.04	0.01	100.59
KD-3	7-8	32142		41.84	0.64	21.80	2.14	8.23	0.36	20.57	4.62	0.08	0.00	100.27
KD-3	7-9	32142		41.26	0.15	20.07	4.93	8.82	0.51	18.61	5.77	0.02	0.01	100.14
KD-3	7-10	32142		41.61	0.53	18.79	6.13	6.67	0.30	20.97	4.80	0.06	0.00	99.84
KD-3	7-11	32142		42.29	0.28	22.18	1.81	7.11	0.27	21.12	4.65	0.04	0.00	99.73
KD-3	7-12	32142		41.80	0.47	20.26	4.13	7.48	0.29	20.45	5.37	0.04	0.01	100.30
KD-3	7-13	32142		41.69	0.42	19.56	5.06	7.43	0.27	20.09	5.56	0.04	0.00	100.11
KD-3	7-14	32142		41.97	0.06	22.23	2.20	8.75	0.43	19.92	4.73	0.03	0.00	100.32
KD-3	7-15	32142		41.90	0.07	22.30	2.06	8.63	0.40	20.09	4.56	0.03	0.00	100.05
KD-3	7-16	32142		42.04	0.05	22.53	1.94	8.70	0.34	19.92	4.67	0.02	0.00	100.19
KD-3	7-17	32142		41.81	0.01	20.56	4.40	8.17	0.40	19.30	5.59	0.00	0.01	100.25
KD-3	7-18	32142		42.22	0.42	21.19	2.83	6.95	0.28	21.16	4.71	0.05	0.00	99.81
KD-3	7-19	32142		41.65	0.40	20.55	3.70	7.32	0.29	20.55	5.11	0.04	0.00	99.62
KD-3	7-20	32142		41.76	0.74	21.51	2.11	8.11	0.28	20.66	5.12	0.05	0.00	100.35
KD-3	8-6	32142		40.83	0.37	17.08	8.14	6.81	0.30	19.21	6.67	0.03	0.01	99.44
KD-3	8-7	32142		41.63	0.43	20.47	3.86	7.15	0.29	20.62	5.24	0.02	0.00	99.71
KD-3	8-8	32142		41.76	0.22	21.50	3.22	7.73	0.38	19.92	5.16	0.03	0.00	99.93
KD-3	8-9	32142		41.78	0.22	22.05	2.34	8.88	0.41	19.69	4.78	0.05	0.00	100.20
KD-3	8-10	32142		41.53	0.18	20.21	4.80	7.99	0.48	20.01	4.77	0.05	0.00	100.01
KD-3	8-11	32142		41.92	0.04	22.46	1.92	8.76	0.41	19.87	4.51	0.04	0.00	99.94
KD-3	8-12	32142		41.54	0.80	18.36	5.86	6.97	0.28	20.46	5.87	0.06	0.01	100.20
KD-3	8-13	32142		41.47	0.17	20.16	4.97	8.13	0.48	19.21	5.73	0.03	0.01	100.36
KD-3	8-14	32142		40.72	0.22	20.57	3.72	12.37	0.58	16.78	5.48	0.06	0.00	100.49
KD-3	8-15	32142		41.62	0.16	21.65	3.47	8.71	0.46	19.75	4.64	0.05	0.02	100.54
KD-3	8-16	32142		41.63	0.34	17.07	8.63	6.04	0.27	20.72	5.61	0.04	0.01	100.35
KD-3	9-3	30143		41.15	0.23	18.55	6.60	8.22	0.43	18.64	6.36	0.03	0.00	100.21
KD-3	9-4	30143		41.62	0.35	19.34	5.26	6.90	0.29	20.35	5.70	0.01	0.00	99.83
KD-3	9-5	30143		41.80	0.08	21.12	3.72	8.52	0.43	19.55	5.18	0.01	0.00	100.40
KD-3	9-6	30143		41.65	0.04	23.14	1.69	9.44	0.57	18.87	5.01	0.03	0.00	100.44
KD-3	9-7	30143		41.33	0.84	18.91	5.10	7.69	0.33	19.72	5.75	0.06	0.00	99.73
KD-3	9-8	30143		41.91	0.17	22.15	2.36	8.77	0.43	19.84	4.76	0.04	0.02	100.45
KD-3	9-9	30143		41.38	0.18	20.61	4.07	9.25	0.49	18.81	5.45	0.06	0.00	100.29
KD-3	9-10	30143		41.51	0.15	22.78	1.86	10.00	0.42	19.07	4.85	0.04	0.00	100.68
KD-3	10-1	30143		41.65	0.07	22.81	1.95	8.84	0.40	19.58	4.72	0.02	0.01	100.06
KD-3	10-2	30143		41.40	0.58	18.10	6.98	6.70	0.33	20.17	5.98	0.07	0.00	100.30
KD-3	10-3	30143		41.95	0.53	20.63	3.77	7.09	0.32	20.72	5.19	0.06	0.00	100.26
KD-3	10-4	30143		41.68	0.12	20.87	4.31	8.03	0.45	19.28	5.60	0.01	0.01	100.35
KD-3	10-11	40261		37.41	0.00	20.82	0.04	33.71	1.38	5.77	0.67	0.00	0.02	99.83
KD-3	10-12	40261		41.97	0.09	22.12	2.16	8.89	0.42	19.96	4.64	0.03	0.01	100.29
KD-3	11-1	40261		41.98	0.71	21.28	1.91	7.86	0.26	20.89	5.01	0.04	0.00	99.94
KD-3	11-2	40261		36.78	0.36	20.12	0.00	19.77	12.53	0.63	9.32	0.01	0.00	99.52
KD-3	11-3	40261		41.68	0.12	20.27	4.61	7.42	0.37	20.18	5.39	0.01	0.00	100.04
KD-3	11-4	40261		42.01	0.30	20.66	3.89	6.94	0.34	20.84	4.91	0.03	0.01	99.92
KD-3	11-5	40261		37.21	0.00	20.98	0.04	33.97	2.55	4.79	0.53	0.00	0.00	100.07
KD-3	11-6	40261		41.34	0.04	19.63	5.98	7.16	0.41	19.72	5.65	0.02	0.00	99.94
KD-3	11-7	40261		41.62	0.16	20.44	4.53	8.50	0.47	19.83	4.72	0.07	0.00	100.34
KD-3	11-8	40261		41.94	0.05	22.86	1.93	8.82	0.40	20.04	4.51	0.01	0.00	100.56
KD-3	12-1	40356		41.65	0.05	20.64	4.07	8.39	0.41	19.21	5.63	0.00	0.00	100.06
KD-3	12-2	40356		41.11	0.09	21.76	2.31	12.64	0.49	17.01	5.07	0.01	0.01	100.48
KD-3	12-3	40356		41.36	0.05	20.79	4.40	7.96	0.54	19.11	5.78	0.04	0.00	100.04
KD-3	12-4	40356		41.57	0.28	19.64	5.18	7.39	0.32	19.87	5.64	0.02	0.01	99.90
KD-3	12-5	40356		41.65	0.29	19.52	5.09	7.47	0.31	19.96	5.59	0.03	0.00	99.90
KD-3	12-6	40356		41.48	0.07	20.54	4.50	7.89	0.50	19.51	5.53	0.03	0.04	100.09

Slide	Row - Grain	Sample	Comments	SiO2 %	TiO2 %	Al2O3 %	Cr2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	Total %
KD-3	12-7	40358		41.51	0.13	20.30	4.85	7.48	0.44	19.44	5.82	0.02	0.00	99.99
KD-3	12-8	40358		41.55	0.25	19.64	5.14	7.33	0.32	19.77	5.64	0.02	0.00	99.67
KD-3	12-12	40358		40.70	0.56	16.94	8.09	7.30	0.42	18.75	6.85	0.05	0.01	99.67
KD-3	12-13	40358		41.13	0.06	20.07	4.60	10.40	0.40	17.70	5.95	0.02	0.00	100.32
KD-3	12-14	40358		41.64	0.09	20.73	4.14	7.72	0.43	19.61	5.31	0.02	0.02	99.71
KD-3	13-2	40357		41.40	0.64	19.32	4.83	7.26	0.32	19.96	5.75	0.04	0.00	99.31
KD-3	13-3	40357		41.52	0.01	21.76	2.71	9.28	0.70	18.49	5.68	0.00	0.00	100.15
KD-3	13-4	40357		41.34	0.01	21.53	2.91	9.20	0.61	18.46	5.79	0.00	0.02	99.87
KD-3	13-5	40357		41.85	0.35	21.94	1.73	9.45	0.41	19.71	4.56	0.05	0.01	100.06
KD-3	13-6	40357		41.56	0.02	21.38	3.32	8.09	0.44	19.89	4.94	0.00	0.00	99.64
KD-3	13-7	40357		41.76	0.02	21.62	3.01	7.58	0.50	20.55	4.47	0.01	0.00	99.51
KD-3	13-8	40357		41.42	0.00	19.79	5.36	7.85	0.46	19.38	5.71	0.01	0.00	99.77
KD-3	13-9	40357		41.57	0.00	21.56	3.31	8.29	0.44	19.53	5.03	0.00	0.00	99.74
KD-3	13-10	40357		41.27	0.17	20.46	4.60	8.02	0.45	19.09	5.64	0.03	0.00	99.74
KD-3	13-11	40357		41.14	0.04	21.20	3.49	11.11	0.46	17.69	5.34	0.00	0.01	100.47
KD-3	13-12	40357		41.67	0.01	22.55	1.99	9.84	0.58	18.77	5.11	0.01	0.01	100.34
KD-3	13-13	40357		42.01	0.33	21.94	2.10	7.53	0.30	20.93	4.59	0.06	0.00	99.77
KD-3	14-1	40357		41.51	0.13	20.69	4.06	8.26	0.42	19.47	5.29	0.03	0.02	99.87
KD-3	14-2	40357		41.48	0.00	21.87	3.06	9.19	0.52	18.66	5.39	0.03	0.00	100.18
KD-3	14-3	40357		41.85	0.35	21.06	3.18	8.25	0.30	20.45	4.67	0.03	0.00	100.13
KD-3	14-4	40357		41.91	0.17	22.20	2.06	8.53	0.43	20.26	4.38	0.02	0.00	99.97
KD-3	14-5	40357		41.92	0.60	20.86	2.93	8.02	0.28	20.36	5.28	0.04	0.00	100.28
KD-3	14-11	40357		41.38	0.11	20.78	4.37	8.47	0.44	19.03	5.40	0.04	0.02	100.03
KD-3	14-12	40357		41.71	0.28	20.37	4.82	6.53	0.34	20.79	4.90	0.04	0.00	99.78
KD-3	14-13	40359		41.52	0.02	21.90	3.00	9.06	0.63	18.62	5.79	0.00	0.00	100.52
KD-3	14-14	40359		41.35	0.02	22.17	2.75	9.38	0.56	18.67	5.31	0.02	0.00	100.22
KD-3	14-15	40359		41.55	0.01	20.77	4.85	7.64	0.43	19.78	5.29	0.01	0.00	100.34
KD-3	14-16	40359		41.52	0.08	21.68	3.53	8.11	0.42	19.68	5.02	0.03	0.00	100.06
KD-3	15-11	40359		41.74	0.03	21.64	3.42	8.38	0.45	19.68	5.07	0.01	0.01	100.42
KD-3	15-12	40359		41.57	0.02	21.28	3.51	8.43	0.47	19.59	5.13	0.00	0.01	100.01
KD-3	15-13	40359		41.02	0.02	18.77	6.81	7.93	0.48	17.96	7.30	0.00	0.00	100.29
KD-3	15-14	40359		41.36	0.00	22.43	2.73	8.98	0.62	18.61	5.64	0.02	0.00	100.39
KD-3	15-15	40359		41.82	0.03	20.81	4.26	7.80	0.50	20.02	4.83	0.02	0.00	100.08

														n =
std. com	kgnt	USNM Kakanui - pyrope	41.46		23.73			10.68		18.51	5.17			
std. anal	kgnt	USNM Kakanui - pyrope	41.54		23.77			10.73		18.53	5.18			8.00
std. com	gar1	UCB - Mg-almadine	39.00		22.10			22.03		11.53	4.20			
std. anal	gar1	UCB - Mg-almadine	39.09		22.17			22.16		11.59	4.21			8.00
std. com	tio2	Taylor 21 - rutile		100.00										
std. anal	tio2	Taylor 21 - rutile		100.08										4.00
std. com	chro	Taylor 5 - Mg-chromite				45.65								
std. anal	chro	Taylor 5 - Mg-chromite				45.67								8.00
std. com	spes	Taylor 3c - spessartine							40.50					
std. anal	spes	Taylor 3c - spessartine							40.46					4.00
std. com	Aalb	Taylor Amelia - albite									11.46			
std. anal	Aalb	Taylor Amelia - albite									11.37			4.00
std. com	orth	Cameca - orthoclase											16.91	
std. anal	orth	Cameca - orthoclase											16.84	4.00

Slide	Row - Grain	Sample	Comments	SiO2 %	TiO2 %	Al2O3 %	Cr2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	Total %
-------	-------------	--------	----------	--------	--------	---------	---------	-------	-------	-------	-------	--------	-------	---------

### High-Precision Garnet (low Na) Analyses by Electron Microprobe-WDS

Client designation "Temex; Slides KD-1 to -3".

Polished grains received from Teck Cominco Ltd. on 06/05/18.

Analyses completed on 06/06/04.

Jeol JXA-8900L electron microprobe using ZAF correction; 15 kV, 30 nA; 20 s peak counts, except 15 s for Si and Al, 30 s for Cr, Ti and Mn, and 60 s for Na; 10 um beam; high-precision quantitative data. Total Fe as FeO. Typical lower detection limits at 3-sigma are 0.01 wt% for Na2O, 0.02 wt% for Al2O3 and MgO, 0.03 wt% for SiO2, MnO and CaO, and 0.04 wt% for K2O, TiO2, Cr2O3 and FeO.

Pyrope- and chromite-based standards for major elements in pyrope and grossular; Mg-almadine-based standard for Fe, and pyrope for other major elements in intermediate (12.9-18 wt% FeO) almandine-pyrope compositions and in spessartine; Mg-almadine-based standard for major elements in Mg-almadine and almandine.

#### Weight Percent

Slide	Row - Grain	Sample	Comments	SiO2 %	TiO2 %	Al2O3 %	Cr2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	Total %
KD-1	3-1	32129		41.30	0.72	20.63	3.10	8.07	0.28	19.86	5.45	0.04	0.00	99.45
KD-1	3-2	32129		41.59	0.78	21.36	2.13	7.92	0.27	20.52	5.09	0.05	0.01	99.71
KD-1	3-3	32129		41.59	0.75	21.25	2.12	7.99	0.25	20.34	5.01	0.06	0.00	99.37
KD-1	3-4	32129		41.07	0.94	19.76	3.93	10.16	0.34	18.92	5.00	0.11	0.00	100.23
KD-1	3-7	32129		42.00	0.79	22.06	1.44	8.77	0.31	20.05	4.96	0.07	0.00	100.44
KD-1	6-1	32131		36.49	0.16	20.72	0.00	18.88	22.20	0.93	1.10	0.05	0.00	100.53
KD-1	6-2	32131		41.55	0.72	22.14	1.25	9.58	0.34	19.57	4.67	0.09	0.00	99.90
KD-1	6-3	32131		41.94	0.76	21.53	1.99	8.01	0.27	20.54	5.02	0.05	0.00	100.11
KD-1	6-4	32131		41.85	0.71	21.66	1.90	8.03	0.30	20.38	4.99	0.06	0.00	99.86
KD-1	6-15	32131		37.21	0.14	20.77	0.00	25.50	2.97	0.80	12.28	0.02	0.00	99.67
KD-1	6-16	32131		41.80	0.70	22.56	1.06	9.32	0.34	19.92	4.66	0.07	0.00	100.43
KD-1	6-17	32131		41.51	0.86	21.58	2.13	8.57	0.31	20.03	5.11	0.07	0.00	100.18
KD-1	8-1	32132		41.49	0.49	23.28	0.13	10.31	0.37	19.42	4.39	0.06	0.00	99.94
KD-1	8-2	32132		41.55	0.50	23.18	0.13	11.48	0.40	18.89	4.35	0.07	0.00	100.54
KD-1	8-3	32132		41.11	0.48	23.21	0.10	11.46	0.40	18.84	4.15	0.05	0.01	99.80
KD-1	8-4	32132		40.82	0.80	22.39	0.66	11.09	0.40	18.62	4.69	0.13	0.00	99.60
KD-1	8-5	32132		41.78	0.86	22.18	1.05	9.39	0.34	19.91	4.57	0.09	0.00	100.17
KD-1	8-6	32132		36.90	0.43	10.96	0.02	16.54	0.70	0.07	33.78	0.00	0.02	99.41
KD-1	9-1	32132		38.27	0.27	18.00	0.00	9.53	1.19	0.11	32.57	0.00	0.00	99.94
KD-1	9-2	32132		36.39	0.12	20.83	0.00	19.84	21.23	0.94	0.97	0.03	0.00	100.34
KD-1	13-14	32024		42.27	0.68	21.58	2.13	7.61	0.27	20.82	4.99	0.06	0.04	100.44
KD-1	13-15	32024		41.98	0.63	21.76	2.30	7.84	0.32	20.17	5.09	0.06	0.00	100.15
KD-1	16-1	32125		41.78	0.73	22.60	1.01	8.78	0.34	20.25	4.49	0.08	0.00	100.07
KD-1	16-2	32125		41.32	0.84	21.38	1.78	9.84	0.35	19.40	4.71	0.09	0.01	99.72
KD-1	16-3	32125		41.81	0.78	21.62	1.86	8.17	0.29	20.30	5.13	0.05	0.00	100.01
KD-1	16-14	32125		41.48	0.87	21.17	2.44	8.75	0.31	19.75	5.34	0.07	0.00	100.18
KD-1	16-15	32125		41.84	0.68	21.58	1.96	7.67	0.26	20.52	4.92	0.05	0.00	99.47
KD-1	16-16	32125		41.80	0.69	21.45	2.01	7.89	0.26	20.52	4.97	0.04	0.00	99.63
KD-2	2-1	40463		36.53	0.09	20.81	0.00	18.00	23.10	1.04	0.73	0.03	0.00	100.33
KD-2	3-1	40472		41.61	0.57	22.28	0.99	10.32	0.32	19.48	4.49	0.07	0.00	100.13
KD-2	3-2	40472		41.75	0.56	22.20	1.01	10.33	0.34	19.46	4.45	0.06	0.00	100.17
KD-2	3-3	40472		41.72	0.56	22.43	0.98	10.25	0.34	19.54	4.50	0.07	0.00	100.38
KD-2	3-4	40472		41.65	0.57	22.22	1.03	10.19	0.34	19.38	4.49	0.05	0.00	99.93
KD-2	3-5	40472		41.86	0.55	22.36	0.95	10.18	0.35	19.53	4.49	0.06	0.00	100.32
KD-2	3-6	40472		41.70	0.55	22.40	0.97	10.32	0.33	19.42	4.48	0.07	0.00	100.24
KD-2	3-7	40472		41.70	0.57	22.27	0.98	10.30	0.32	19.52	4.52	0.06	0.01	100.26
KD-2	3-8	40472		41.62	0.56	22.46	1.02	10.32	0.32	19.37	4.49	0.06	0.00	100.23
KD-2	3-9	40472		41.72	0.58	22.29	0.96	10.23	0.33	19.45	4.56	0.06	0.00	100.18

Slide	Row - Grain	Sample	Comments	SiO2 %	TiO2 %	Al2O3 %	Cr2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	Total %
KD-2	3-10	40472		41.82	0.56	22.24	1.00	10.28	0.35	19.52	4.53	0.07	0.00	100.36
KD-2	3-11	40472		41.88	0.60	22.41	0.98	10.41	0.34	19.40	4.47	0.07	0.00	100.35
KD-2	3-12	40472		41.78	0.55	22.34	1.02	10.10	0.35	19.51	4.49	0.07	0.01	100.22
KD-2	3-13	40472		41.87	0.56	22.35	0.98	10.30	0.32	19.53	4.42	0.08	0.00	100.40
KD-2	3-14	40472		41.72	0.55	22.31	1.00	10.22	0.34	19.44	4.48	0.06	0.02	100.13
KD-2	3-15	40472		41.82	0.60	22.30	0.98	10.41	0.32	19.47	4.45	0.07	0.03	100.26
KD-2	3-16	40472		41.85	0.58	22.39	1.00	10.30	0.33	19.51	4.41	0.07	0.00	100.42
KD-2	3-17	40472		41.92	0.57	22.36	0.97	10.20	0.33	19.53	4.37	0.07	0.00	100.32
KD-2	4-14	40474		41.56	0.48	22.76	0.39	11.70	0.35	18.36	4.37	0.07	0.00	100.04
KD-2	6-12	40480		41.45	0.68	21.74	1.72	9.50	0.34	19.07	5.35	0.05	0.00	99.90
KD-2	8-4	40482		41.28	0.27	23.29	0.10	10.58	0.26	16.43	7.54	0.06	0.02	99.81
KD-2	8-5	40482		41.64	0.48	21.63	1.96	9.23	0.32	19.44	5.19	0.04	0.01	99.93
KD-2	10-6	32069		41.21	0.75	22.33	0.37	12.85	0.44	17.58	4.86	0.10	0.00	100.47
KD-2	10-7	32069		41.46	0.96	21.71	0.87	11.19	0.36	18.61	4.74	0.11	0.00	100.01
KD-2	10-8	32069		41.85	0.70	21.85	1.35	10.06	0.31	19.55	4.49	0.08	0.01	100.05
KD-2	10-9	32069		41.50	1.22	21.53	0.98	10.12	0.34	19.15	5.25	0.11	0.02	100.21
KD-2	10-10	32069		41.75	0.46	22.43	1.00	9.91	0.35	19.47	4.58	0.07	0.00	100.03
KD-2	10-11	32069		41.77	0.43	22.75	0.80	10.03	0.32	19.61	4.28	0.06	0.01	100.06
KD-2	10-12	32069		41.79	0.41	22.26	1.57	9.16	0.31	19.92	4.51	0.06	0.00	99.99
KD-2	10-13	32069		39.19	0.09	20.65	0.00	5.69	0.27	0.12	33.82	0.00	0.00	99.84
KD-2	10-14	32069		41.08	0.65	22.32	0.20	13.01	0.46	17.07	5.08	0.08	0.00	99.93
KD-2	10-15	32069		41.42	1.05	20.43	2.88	8.07	0.26	20.09	5.33	0.05	0.01	99.59
KD-2	11-11	32069		41.45	0.99	21.89	0.68	11.20	0.34	19.05	4.45	0.13	0.00	100.17
KD-2	12-8	32070		36.58	0.13	20.96	0.00	15.76	25.18	1.25	0.40	0.02	0.02	100.30
KD-2	12-9	32070		41.71	0.43	22.37	0.96	9.91	0.32	19.51	4.53	0.07	0.02	99.83
KD-2	12-10	32070		41.90	0.71	21.77	2.06	7.65	0.28	20.65	4.59	0.07	0.00	99.68
KD-2	12-11	32070		41.71	0.81	21.77	1.55	8.27	0.23	20.47	4.88	0.04	0.00	99.72
KD-2	13-6	32070		35.85	0.04	20.19	0.00	24.25	17.12	1.00	0.69	0.02	0.00	99.16
KD-2	13-7	32070		41.67	0.78	21.46	1.75	8.85	0.28	20.27	4.64	0.08	0.00	99.77
KD-2	13-13	32107		40.55	0.13	22.79	0.75	16.67	0.45	14.76	4.33	0.04	0.00	100.47
KD-2	14-13	32108		39.78	0.07	22.25	0.15	18.69	0.46	14.13	3.93	0.02	0.00	99.47
KD-2	14-15	32108		41.74	0.51	22.32	1.23	9.74	0.34	19.55	4.41	0.06	0.01	99.90
KD-2	15-7	32109		40.31	0.10	23.05	0.22	17.57	0.55	13.74	4.37	0.02	0.02	99.97
KD-2	15-8	32109		37.86	0.08	17.24	0.01	8.52	0.41	0.06	35.20	0.00	0.02	99.38
KD-2	15-9	32109		40.54	0.10	22.55	0.53	16.11	0.49	15.29	4.77	0.02	0.03	100.42
KD-2	15-10	32109		41.17	0.94	22.12	0.34	11.27	0.39	18.67	4.75	0.10	0.00	99.75
KD-2	15-11	32109		41.24	1.17	21.89	0.26	10.88	0.33	18.81	4.93	0.08	0.00	99.60
KD-2	15-14	32109		37.93	0.30	15.62	0.00	10.37	0.93	0.11	33.96	0.00	0.00	99.23
KD-2	16-3	32119		41.09	1.02	21.79	0.54	11.45	0.38	18.38	4.89	0.13	0.01	99.66
KD-2	16-4	32119		41.70	0.91	21.35	1.54	8.36	0.24	20.22	4.94	0.04	0.01	99.30
KD-2	16-5	32119		41.75	0.80	21.55	1.76	8.78	0.27	20.18	4.67	0.07	0.01	99.84
KD-2	16-6	32119		40.72	0.03	23.45	0.04	14.76	0.40	15.54	4.60	0.03	0.01	99.58
KD-2	16-7	32119		41.47	0.93	20.65	2.50	8.62	0.27	20.11	5.01	0.07	0.03	99.65
KD-2	16-13	32119		40.15	0.17	22.35	0.63	18.12	0.45	13.62	4.49	0.03	0.00	100.01
KD-2	16-14	32119		41.51	0.85	21.56	1.56	9.20	0.29	19.72	4.81	0.08	0.01	99.58
KD-2	16-15	32119		41.35	1.04	22.11	0.35	11.51	0.36	18.53	4.76	0.13	0.00	100.13
KD-2	18-1	30139		41.41	0.49	23.29	0.24	10.66	0.37	19.12	4.14	0.08	0.00	99.81
KD-3	1-1	30139		41.34	0.74	21.06	2.63	8.17	0.32	19.86	5.12	0.07	0.00	99.30
KD-3	1-2	30139		41.78	0.74	21.47	2.06	7.77	0.27	20.47	4.89	0.05	0.00	99.51
KD-3	1-3	30139		41.31	0.63	21.93	1.39	9.70	0.34	19.60	4.59	0.08	0.00	99.56
KD-3	1-4	30139		41.44	0.76	22.25	0.94	9.91	0.39	19.04	4.78	0.13	0.01	99.66
KD-3	1-5	30139		41.40	0.88	21.34	1.77	9.58	0.32	19.58	4.56	0.12	0.04	99.58
KD-3	1-6	30139		41.69	0.71	22.13	1.49	8.59	0.32	20.04	4.75	0.07	0.03	99.81
KD-3	1-7	30139		41.59	0.72	20.87	2.63	9.03	0.30	19.62	4.79	0.10	0.00	99.65
KD-3	1-8	30139		41.42	0.68	21.39	2.33	9.20	0.34	19.83	4.44	0.09	0.00	99.72
KD-3	2-1	32140		41.90	0.69	21.42	2.03	7.76	0.25	20.50	4.90	0.05	0.01	99.51
KD-3	2-2	32140		41.83	0.61	21.98	1.39	8.58	0.28	20.35	4.60	0.07	0.00	99.63
KD-3	2-3	32140		41.59	0.52	23.25	0.09	10.15	0.39	19.23	4.33	0.05	0.00	99.59



Slide	Row - Grain	Sample	Comments	SiO2 %	TiO2 %	Al2O3 %	Cr2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	Total %
KD-3	2-13	32140		41.84	0.09	24.07	0.13	10.25	0.25	19.87	3.41	0.04	0.01	99.96
KD-3	2-14	32140		41.59	1.03	21.15	2.10	9.40	0.34	19.51	4.77	0.10	0.00	100.00
KD-3	2-15	32140		41.70	0.72	21.38	2.39	7.58	0.26	20.81	5.05	0.04	0.00	99.71
KD-3	2-16	32140		41.17	0.40	22.99	0.15	11.77	0.47	18.55	4.02	0.07	0.02	99.60
KD-3	4-1	32140		35.98	0.06	20.38	0.00	27.70	13.02	1.09	0.87	0.04	0.00	99.14
KD-3	4-2	32140		41.53	0.79	21.78	1.78	8.56	0.33	19.98	4.99	0.06	0.00	99.80
KD-3	4-3	32140		35.75	0.09	19.87	0.00	24.18	17.16	1.00	1.15	0.01	0.00	99.20
KD-3	4-4	32140		41.63	0.74	22.65	0.72	9.47	0.36	19.79	4.29	0.08	0.01	99.72
KD-3	4-5	32140		41.68	0.78	21.38	2.10	8.05	0.27	20.38	5.02	0.04	0.00	99.69
KD-3	4-6	32140		41.40	0.44	23.03	0.17	11.19	0.42	18.38	4.36	0.05	0.00	99.45
KD-3	5-1	32140		41.78	0.66	21.66	1.70	7.80	0.28	20.61	4.90	0.05	0.00	99.44
KD-3	5-2	32140		36.73	0.18	20.33	0.00	20.12	8.91	0.39	12.19	0.00	0.00	98.85
KD-3	5-3	32140		41.88	0.74	21.31	2.15	7.89	0.27	20.45	5.10	0.04	0.00	99.83
KD-3	5-4	32140		36.10	0.20	19.85	0.00	22.05	18.72	0.51	1.86	0.04	0.00	99.33
KD-3	5-5	32140		41.22	1.00	20.92	2.41	8.53	0.35	19.45	5.36	0.06	0.00	99.30
KD-3	5-6	32140	epidote	38.44	0.02	30.00	0.00	4.24	0.05	0.04	23.94	0.00	0.02	96.74
KD-3	5-7	32140		41.47	0.51	22.71	0.42	10.96	0.42	18.83	4.15	0.05	0.01	99.53
KD-3	5-8	32140		41.49	0.80	21.11	2.48	9.33	0.32	19.78	4.76	0.11	0.03	100.21
KD-3	5-9	32140		41.36	0.78	21.26	2.27	9.47	0.31	19.71	4.60	0.09	0.02	99.87
KD-3	5-10	32140		41.50	0.71	21.41	1.98	9.13	0.33	19.53	4.72	0.07	0.00	99.39
KD-3	8-1	32142		41.54	0.64	22.70	0.14	11.13	0.40	18.80	4.44	0.09	0.00	99.87
KD-3	8-2	32142		41.56	0.66	21.70	1.69	8.29	0.30	20.37	4.99	0.05	0.00	99.60
KD-3	8-3	32142		41.67	0.59	22.58	0.72	9.61	0.39	19.72	4.40	0.05	0.02	99.74
KD-3	8-4	32142		41.74	0.66	22.00	1.48	8.19	0.27	20.44	4.69	0.06	0.00	99.54
KD-3	8-5	32142		41.49	0.70	20.85	2.86	8.19	0.31	19.79	5.40	0.04	0.00	99.62
KD-3	9-1	32142		41.55	0.73	21.53	2.00	8.24	0.27	20.36	5.09	0.04	0.03	99.82
KD-3	9-2	32142		41.26	0.84	20.71	3.01	8.02	0.29	19.86	5.28	0.07	0.00	99.34
KD-3	9-11	30143		41.20	1.44	20.70	1.71	9.47	0.33	18.46	6.03	0.13	0.02	99.46
KD-3	10-5	30143		41.13	0.76	21.38	1.89	9.71	0.38	19.17	4.83	0.09	0.01	99.37
KD-3	10-6	30143		41.42	0.50	23.03	0.16	11.34	0.43	18.73	4.29	0.08	0.00	99.97
KD-3	10-7	30143		41.47	0.74	21.54	1.53	9.74	0.33	19.74	4.30	0.11	0.01	99.51
KD-3	10-8	30143		41.71	1.25	22.29	0.40	9.25	0.28	20.31	4.53	0.10	0.02	100.14
KD-3	10-9	30143		41.58	0.50	23.06	0.25	9.44	0.38	19.61	4.43	0.06	0.01	99.31
KD-3	10-10	30143		41.85	0.68	21.43	2.03	7.60	0.28	20.64	5.00	0.05	0.02	99.57
KD-3	11-9	40261		36.72	0.03	20.62	0.00	36.27	0.79	2.49	2.70	0.01	0.00	99.63
KD-3	11-10	40261		38.38	0.08	21.16	0.03	24.46	1.04	8.22	6.01	0.01	0.00	99.39
KD-3	12-9	40356		41.37	1.07	20.55	2.40	8.67	0.26	19.97	5.24	0.07	0.01	99.60
KD-3	12-10	40356		40.08	0.18	22.34	0.40	17.64	0.51	13.70	4.79	0.03	0.00	99.65
KD-3	12-11	40356		41.63	0.45	21.98	1.64	9.31	0.30	19.65	4.92	0.06	0.00	99.94
KD-3	13-1	40356		36.05	0.03	20.59	0.00	22.56	18.62	1.12	0.37	0.02	0.00	99.37
KD-3	13-14	40357		41.23	0.91	22.59	0.17	10.84	0.34	18.91	4.89	0.09	0.01	99.97
KD-3	13-15	40357		40.92	0.67	22.52	0.17	12.92	0.48	17.18	4.87	0.08	0.00	99.82
KD-3	14-6	40357		41.59	0.50	22.99	0.35	11.58	0.37	18.73	4.47	0.06	0.00	100.64
KD-3	14-7	40357		38.30	0.04	21.50	0.03	26.35	0.29	9.29	3.67	0.01	0.00	99.49
KD-3	14-8	40357		38.10	0.47	15.85	0.00	10.06	0.28	0.10	34.53	0.00	0.00	99.38
KD-3	14-9	40357		40.66	0.46	22.94	0.10	12.06	0.24	12.91	10.90	0.11	0.01	100.40
KD-3	14-10	40357		41.41	0.84	21.89	1.16	10.68	0.39	18.93	4.96	0.11	0.00	100.34
KD-3	15-1	40359		40.66	0.12	23.43	0.15	13.83	0.34	14.73	7.05	0.05	0.00	100.34
KD-3	15-2	40359		36.26	0.08	20.73	0.00	18.99	23.49	0.19	0.80	0.02	0.01	100.57
KD-3	15-3	40359		41.71	0.38	22.38	1.40	9.29	0.31	19.98	4.45	0.07	0.01	99.97
KD-3	15-4	40359		40.69	0.31	23.14	0.06	13.76	0.34	15.39	6.35	0.07	0.00	100.12
KD-3	15-5	40359		38.57	0.09	21.35	0.09	24.33	0.77	8.76	5.91	0.01	0.00	99.88
KD-3	15-6	40359		40.13	0.25	22.78	0.08	16.78	0.39	11.17	8.87	0.05	0.00	100.50
KD-3	15-7	40359		41.43	1.01	21.88	0.68	11.27	0.33	18.99	4.71	0.10	0.03	100.44
KD-3	15-8	40359		41.58	0.66	22.05	1.33	10.03	0.31	19.74	4.42	0.09	0.00	100.22
KD-3	15-9	40359		41.60	0.52	22.08	1.60	9.88	0.34	19.48	4.56	0.06	0.00	100.11
KD-3	15-10	40359		41.19	0.91	21.91	0.84	11.78	0.32	18.67	4.54	0.10	0.00	100.28
KD-3	15-16	40359		37.15	0.39	13.54	0.00	13.60	0.39	0.09	34.20	0.00	0.00	99.35

Slide	Row - Grain	Sample	Comments	SiO2 %	TiO2 %	Al2O3 %	Cr2O3 %	FeO %	MnO %	MgO %	CaO %	Na2O %	K2O %	Total %
														n =
std. com	kgnt		USNM Kakanui - pyrope	41.46		23.73		10.68		18.51	5.17			
std. anal	kgnt		USNM Kakanui - pyrope	41.40		23.73		10.65		18.50	5.16			9.00
std. com	gar1		UCB - Mg-almadine	39.00		22.10		22.03		11.53	4.20			
std. anal	gar1		UCB - Mg-almadine	39.13		22.17		22.16		11.59	4.23			8.00
std. com	tio2		Taylor 21 - rutile		100.00									
std. anal	tio2		Taylor 21 - rutile		99.96									4.00
std. com	chro		Taylor 5 - Mg-chromite				45.85							
std. anal	chro		Taylor 5 - Mg-chromite				45.59							8.00
std. com	spes		Taylor 3c - spessartine						40.50					
std. anal	spes		Taylor 3c - spessartine						40.49					4.00
std. com	Aalb		Taylor Amelia - albite									11.46		
std. anal	Aalb		Taylor Amelia - albite									11.41		4.00
std. com	orth		Cameca - orthoclase										16.91	
std. anal	orth		Cameca - orthoclase										16.86	4.00

**APPENDIX G**

**ICP Analyses of Slimes**

**APPENDIX G: Slimes Results**

Teck Cominco Global Discovery Labs 2006  
V 06-01385

Sample	Survey	Easting	Northing	Sample Lab	Date_Report	Au ppb	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Ni ppm	Fe %
32003 A	Temex_2005	590926	5235617	S0602769	March 7, 2006	0	27	16	26	0	5	37	0	16	43	2.36
32003 B	Temex_2005	590926	5235617	S0602770	March 7, 2006	0	17	9	6	0	7	32	0	10	28	1.68
32004	Temex_2005	591230	5235494	S0602771	March 7, 2006	0	37	19	19	0	8	27	0	15	33	2.01
32005	Temex_2005	591519	5235522	S0602772	March 7, 2006	0	24	12	26	0	4	25	0	11	31	2.23
32006	Temex_2005	591820	5235526	S0602773	March 7, 2006	0	19	19	21	0	8	24	0	14	35	2.54
32007	Temex_2005	592133	5235536	S0602774	March 7, 2006	0	28	21	15	0	5	33	0	17	32	2.06
32008	Temex_2005	592372	5235536	S0602775	March 7, 2006	0	42	13	10	0	6	40	0	15	35	1.99
32009	Temex_2005	592654	5235624	S0602776	March 7, 2006	0	29	13	11	0	8	36	0	18	36	2.04
32010	Temex_2005	593039	5235299	S0602777	March 7, 2006	0	31	14	12	0	10	23	0	14	26	1.80
32011	Temex_2005	593249	5235015	S0602778	March 7, 2006	0	42	14	23	0	5	35	0	23	46	2.64
32012	Temex_2005	593509	5235350	S0602779	March 7, 2006	0	35	15	27	0	16	28	0	26	36	2.25
32013	Temex_2005	593697	5235252	S0602780	March 7, 2006	0	50	16	23	0	13	26	0	32	44	2.82
32014	Temex_2005	593972	5235832	S0602781	March 7, 2006	0	79	11	13	0	9	29	0	15	30	1.97
32015	Temex_2005	594235	5235628	S0602782	March 7, 2006	0	73	20	21	0	14	33	0	23	41	2.52
32016	Temex_2005	594448	5235613	S0602783	March 7, 2006	0	20	12	14	0	4	29	0	13	34	2.07
32017	Temex_2005	594670	5235562	S0602784	March 7, 2006	0	27	10	29	0	7	26	0	14	36	2.15
32018	Temex_2005	594980	5235600	S0602785	March 7, 2006	0	34	16	16	0	8	28	0	14	35	2.26
32019	Temex_2005	595213	5235744	S0602786	March 7, 2006	0	44	23	19	0	8	43	0	17	43	3.02
32020	Temex_2005	595447	5235909	S0602787	March 7, 2006	0	35	16	19	0	8	37	0	17	46	2.12
32021	Temex_2005	595735	5236005	S0602788	March 7, 2006	0	35	13	14	0	5	36	0	12	34	2.18
32022	Temex_2005	595906	5236066	S0602789	March 7, 2006	0	20	15	12	0	3	36	0	18	33	2.10
32023	Temex_2005	596147	5236242	S0602790	March 7, 2006	0	22	12	12	0	6	27	0	15	33	2.05
32024	Temex_2005	596390	5236316	S0602791	March 7, 2006	0	45	14	15	0	8	37	0	16	35	2.08
32025	Temex_2005	596546	5236540	S0602792	March 7, 2006	0	39	13	13	0	7	36	0	15	36	2.01
32026	Temex_2005	596788	5236804	S0602793	March 7, 2006	0	45	17	15	0	5	58	0	21	47	2.44
32027	Temex_2005	596975	5236542	S0602794	March 7, 2006	0	20	9	11	0	4	24	0	12	33	1.84
32028	Temex_2005	590105	5236524	S0602795	March 7, 2006	0	21	6	4	0	3	22	0	7	21	1.33
32029	Temex_2005	590633	5236468	S0602796	March 7, 2006	10	21	12	6	0	5	20	0	11	28	1.75
32030	Temex_2005	590702	5236352	S0602797	March 7, 2006	0	17	8	6	0	3	27	0	11	28	1.74
32031	Temex_2005	590946	5236357	S0602798	March 7, 2006	0	18	14	10	0	6	15	0	7	19	1.59
32032	Temex_2005	591132	5236357	S0602799	March 7, 2006	0	19	14	5	0	5	23	0	11	28	1.68
32033	Temex_2005	591343	5236366	S0602800	March 7, 2006	0	8	7	5	0	2	20	0	6	14	1.09
32034	Temex_2005	591659	5236306	S0602801	March 7, 2006	0	51	25	15	0	15	17	0	20	41	2.31
32035	Temex_2005	591984	5236321	S0602802	March 7, 2006	0	26	16	11	0	8	31	0	14	33	1.89
32036	Temex_2005	592240	5236321	S0602803	March 7, 2006	0	34	15	20	0	4	34	0	18	51	2.56
32037	Temex_2005	592498	5236284	S0602804	March 7, 2006	0	12	7	6	0	4	17	0	8	20	1.33
32038	Temex_2005	592860	5236433	S0602805	March 7, 2006	0	36	14	18	0	11	39	0	19	40	2.05
32039	Temex_2005	593143	5236515	S0602806	March 7, 2006	0	41	23	11	0	14	29	0	23	41	2.00
32069	Temex_2005	585474	5257214	S0602914	March 7, 2006	0	14	4	1	0	2	24	0	8	30	1.26
32070	Temex_2005	585899	5257206	S0602915	March 7, 2006	0	28	9	5	0	9	36	0	10	32	1.47
32071	Temex_2005	586188	5257303	S0602916	March 7, 2006	0	25	6	6	0	8	41	0	9	29	1.60
32072	Temex_2005	586831	5257789	S0602917	March 7, 2006	0	36	8	13	0	8	32	0	14	41	2.13
32097	Temex_2005	588038	5253190	S0602918	March 7, 2006	0	18	6	8	0	5	22	0	9	27	1.60
32098	Temex_2005	588359	5253187	S0602919	March 7, 2006	0	33	9	20	0	7	44	0	14	46	2.40
32099	Temex_2005	588879	5253193	S0602920	March 7, 2006	0	26	7	9	0	6	24	0	11	35	2.03
32100	Temex_2005	588972	5253174	S0602921	March 7, 2006	0	20	7	9	0	5	25	0	11	33	1.86
32101	Temex_2005	584994	5249392	S0602922	March 7, 2006	0	8	4	3	0	4	22	0	5	19	1.18
32102	Temex_2005	585226	5249327	S0602923	March 7, 2006	0	30	13	28	0	7	52	0	15	52	2.64
32103	Temex_2005	585566	5249215	S0602924	March 7, 2006	0	33	13	24	0	5	38	0	15	53	2.57
32106	Temex_2005	586589	5249002	S0602925	March 7, 2006	0	44	13	11	0	8	16	0	17	34	1.84
32107	Temex_2005	584968	5249493	S0602926	March 7, 2006	0	16	6	2	0	4	18	0	6	18	1.26
32108	Temex_2005	585359	5249417	S0602927	March 7, 2006	0	24	9	14	0	7	38	0	12	39	2.07
32109	Temex_2005	585687	5249414	S0602928	March 7, 2006	0	25	4	1	0	4	26	0	7	23	1.35
32110	Temex_2005	586261	5249459	S0602929	March 7, 2006	0	16	5	1	0	11	13	0	7	20	1.26
32111	Temex_2005	586641	5249375	S0602930	March 7, 2006	0	15	5	1	0	7	20	0	7	20	1.22

**APPENDIX G: Slimes Results**

Teck Cominco Global Discovery Labs 2006  
V 06-0138S

Sample	Survey	Easting	Northing	Sample Lab	Date_Report	Au ppb	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Ni ppm	Fe %
32114	Temex_2005	NAD27 586860	NAD27 5250212	S0602931	March 7, 2006	0	36	11	10	0	8	47	0	13	37	1.80
32115	Temex_2005	586312	5248604	S0602932	March 7, 2006	0	35	8	6	0	5	24	0	11	31	1.69
32116	Temex_2005	586463	5248209	S0602933	March 7, 2006	0	26	13	12	0	8	37	0	14	48	1.99
32117	Temex_2005	586855	5247968	S0602934	March 7, 2006	0	21	9	6	0	7	29	0	10	24	1.53
32118	Temex_2005	587198	5247966	S0602935	March 7, 2006	0	14	8	1	0	6	23	0	7	25	1.44
32119	Temex_2005	587537	5247996	S0602936	March 7, 2006	0	12	9	5	0	7	21	0	8	24	1.40
32120	Temex_2005	587803	5248188	S0602937	March 7, 2006	0	11	7	7	0	5	13	0	10	25	1.50
32121	Temex_2005	588074	5248336	S0602938	March 7, 2006	0	37	12	15	0	8	32	0	14	42	2.26
32122	Temex_2005	588393	5248878	S0602939	March 7, 2006	0	31	13	22	0	8	35	0	14	49	2.51
32123	Temex_2005	586551	5194267	S0602940	March 7, 2006	0	58	17	30	0	9	57	0	24	175	2.49
32124	Temex_2005	587008	5194312	S0602807	March 7, 2006	0	24	14	16	0	6	28	0	15	37	2.09
32125	Temex_2005	587348	5194326	S0602808	March 7, 2006	0	34	15	13	0	8	27	0	13	31	1.92
32126	Temex_2005	587832	5194228	S0602809	March 7, 2006	0	23	13	20	0	4	27	0	14	46	1.95
32127	Temex_2005	586540	5194860	S0602941	March 7, 2006	0	44	17	24	0	8	47	0	16	52	2.43
32128	Temex_2005	587268	5194771	S0602810	March 7, 2006	0	36	15	19	0	7	31	0	15	38	2.13
32129	Temex_2005	587840	5194794	S0602811	March 7, 2006	0	27	13	14	0	6	28	0	13	35	1.90
32130	Temex_2005	587318	5195729	S0602812	March 7, 2006	0	33	11	13	0	5	32	0	14	37	1.77
32131	Temex_2005	587756	5195625	S0602813	March 7, 2006	0	42	21	23	0	9	44	0	19	46	2.56
32132	Temex_2005	588107	5195740	S0602814	March 7, 2006	0	35	19	24	0	5	62	0	18	50	2.56
32133	Temex_2005	588532	5195700	S0602815	March 7, 2006	0	33	19	24	0	5	41	0	15	44	2.44
32134	Temex_2005	590533	5196132	S0602816	March 7, 2006	0	41	15	15	0	4	26	0	13	38	2.05
32135	Temex_2005	590347	5196148	S0602817	March 7, 2006	0	25	12	9	0	2	25	0	12	28	1.76
32136	Temex_2005	589946	5196246	S0602818	March 7, 2006	0	18	14	24	0	4	37	0	15	57	2.09
32137	Temex_2005	589700	5196276	S0602819	March 7, 2006	0	34	16	21	0	7	53	0	18	47	2.51
32138	Temex_2005	589400	5196366	S0602820	March 7, 2006	0	17	14	11	0	7	21	0	11	27	1.81
32139	Temex_2005	589091	5196430	S0602942	March 7, 2006	0	31	16	27	0	12	65	0	19	53	2.66
32140	Temex_2005	588719	5196508	S0602943	March 7, 2006	0	26	17	33	0	4	52	0	16	34	2.53
32141	Temex_2005	588399	5196596	S0602944	March 7, 2006	0	11	11	4	0	0	14	0	13	20	1.51
32142	Temex_2005	588175	5196634	S0602945	March 7, 2006	0	25	17	22	0	7	46	0	15	38	2.26
32143	Temex_2005	587514	5196793	S0602946	March 7, 2006	0	47	16	21	0	29	44	0	14	40	2.06
40157	Temex_2005	585065	5225233	S0602821	March 7, 2006	0	10	16	16	0	5	108	0	23	271	2.67
40158	Temex_2005	584915	5225223	S0602822	March 7, 2006	0	29	18	32	0	5	33	0	17	100	2.49
40159	Temex_2005	585004	5225158	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing
40160	Temex_2005	595004	5225158	S0602823	March 7, 2006	0	43	15	23	0	7	45	0	18	50	2.16
40161	Temex_2005	595105	5225118	S0602824	March 7, 2006	0	9	14	49	0	5	33	0	12	38	2.04
40177	Temex_2005	596009	5230065	S0602825	March 7, 2006	0	12	15	18	0	3	29	0	11	34	2.48
40178	Temex_2005	596322	5230062	S0602826	March 7, 2006	0	18	14	15	0	0	33	0	10	32	2.23
40179	Temex_2005	596534	5230039	S0602827	March 7, 2006	0	67	17	77	0	6	36	0	11	33	2.86
40184	Temex_2005	595850	5227167	S0602828	March 7, 2006	0	34	18	18	0	5	86	0	17	50	2.74
40185	Temex_2005	595899	5227182	S0602829	March 7, 2006	0	20	14	39	1.0	39	31	0	15	46	2.35
40186	Temex_2005	596148	5227197	S0602830	March 7, 2006	0	18	13	22	0	8	26	0	10	33	1.92
40190	Temex_2005	596602	5226797	S0602831	March 7, 2006	0	23	8	8	0	4	28	0	9	29	1.68
40191	Temex_2005	596949	5226804	S0602832	March 7, 2006	0	20	14	24	0	3	19	0	11	30	2.06
40192	Temex_2005	587222	5226819	S0602833	March 7, 2006	15	24	62	160	0	8	28	0	18	31	3.00
40193	Temex_2005	595929	5225436	S0602834	March 7, 2006	0	9	15	21	0	4	31	0	9	30	1.89
40194	Temex_2005	596034	5225427	S0602835	March 7, 2006	0	9	18	26	0	2	30	0	11	31	1.81
40195	Temex_2005	596738	5225270	S0602836	March 7, 2006	0	12	16	64	0	7	34	0	11	26	2.03
40196	Temex_2005	596934	5225232	S0602837	March 7, 2006	0	33	25	44	0	10	40	0	22	46	3.32
40197	Temex_2005	597116	5225195	S0602838	March 7, 2006	25	22	15	20	0	7	21	0	7	14	2.51
40198	Temex_2005	597834	5224371	S0602839	March 7, 2006	0	76	17	38	0	8	23	0	12	18	2.47
40199	Temex_2005	598015	5224378	S0602840	March 7, 2006	0	40	22	42	0	10	36	0	18	49	3.42
40200	Temex_2005	598186	5224378	S0602841	March 7, 2006	0	13	17	38	0	9	27	0	10	18	2.65
40201	Temex_2005	597766	5223290	S0602842	March 7, 2006	0	23	15	23	0	3	25	0	9	22	2.34
40202	Temex_2005	597947	5223290	S0602843	March 7, 2006	0	22	14	26	0	3	22	0	10	25	1.80
40203	Temex_2005	598148	5223297	S0602844	March 7, 2006	0	48	14	78	0	10	25	0	14	35	2.29

### APPENDIX G: Slimes Results

Teck Cominco Global Discovery Labs 2006  
V 06-0138S

Sample	Survey	Easting	Northing	Sample	Date_Report	Au	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe
		NAD27	NAD27	Lab		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
40218	Temex_2005	594985	5234697	S0602845	March 7, 2006	0	33	20	23	0	10	14	0	18	40	2.66
40219	Temex_2005	594577	5234600	S0602846	March 7, 2006	0	49	17	20	0	7	13	0	13	30	2.29
40220	Temex_2005	594343	5234479	S0602847	March 7, 2006	0	46	11	16	0	8	19	0	10	27	1.69
40221	Temex_2005	594133	5234369	S0602848	March 7, 2006	0	32	19	37	0	9	35	0	24	51	3.51
40222	Temex_2005	593938	5234354	S0602849	March 7, 2006	0	25	21	37	0	16	25	0	14	25	2.55
40223	Temex_2005	593707	5234271	S0602850	March 7, 2006	0	42	19	39	0	22	26	0	13	24	3.05
40224	Temex_2005	593526	5234196	S0602851	March 7, 2006	0	60	20	36	0	11	41	0	24	49	2.84
40225	Temex_2005	593254	5234493	S0602852	March 7, 2006	10	64	17	36	0	11	45	0	20	54	3.02
40226	Temex_2005	593083	5234465	S0602853	March 7, 2006	0	46	19	23	0	10	32	0	18	40	2.19
40227	Temex_2005	592763	5234463	S0602854	March 7, 2006	0	25	13	18	0	11	23	0	9	22	3.17
40228	Temex_2005	592475	5234521	S0602855	March 7, 2006	0	50	27	37	0	14	40	0	22	44	3.10
40229	Temex_2005	592222	5234580	S0602856	March 7, 2006	0	17	11	22	0	7	43	0	12	34	2.02
40230	Temex_2005	592052	5234630	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing
40231	Temex_2005	591829	5234728	S0602857	March 7, 2006	0	17	16	24	0	6	22	0	16	42	2.65
40232	Temex_2005	591406	5234580	S0602858	March 7, 2006	0	24	14	19	0	8	30	0	17	48	2.46
40233	Temex_2005	591189	5234495	S0602859	March 7, 2006	20	15	12	12	0	8	33	0	10	23	1.54
40234	Temex_2005	591027	5234281	S0602860	March 7, 2006	0	20	16	22	0	5	35	0	11	28	3.04
40235	Temex_2005	590890	5234122	S0602861	March 7, 2006	0	30	11	52	0	5	32	0	12	33	2.41
40236	Temex_2005	590713	5234054	S0602862	March 7, 2006	0	26	19	56	0	6	24	0	15	33	2.33
40237	Temex_2005	590433	5233973	S0602863	March 7, 2006	0	20	14	19	0	7	21	0	9	25	2.01
40238	Temex_2005	590193	5233923	S0602864	March 7, 2006	0	29	13	29	0	5	56	0	14	39	2.11
40239	Temex_2005	589933	5233854	S0602865	March 7, 2006	0	54	18	63	0	10	32	0	15	40	2.57
40240	Temex_2005	589749	5233790	S0602866	March 7, 2006	0	25	16	46	0	6	32	0	11	34	2.10
40241	Temex_2005	589589	5233691	S0602867	March 7, 2006	0	4	8	10	0	7	30	0	6	54	1.72
40242	Temex_2005	591599	5234642	S0602868	March 7, 2006	0	75	12	14	0	10	31	0	19	39	2.22
40243	Temex_2005	592907	5234457	S0602869	March 7, 2006	0	33	15	35	0	12	35	0	16	31	2.84
40258	Temex_2005	598765	5219553	S0602947	March 7, 2006	0	38	14	8	0	4	30	0	11	29	1.67
40259	Temex_2005	598448	5219530	S0602948	March 7, 2006	0	21	9	2	0	7	32	0	10	23	1.48
40260	Temex_2005	598132	5219505	S0602949	March 7, 2006	0	10	11	22	0	3	26	0	9	25	2.03
40261	Temex_2005	597802	5219380	S0602950	March 7, 2006	0	62	20	33	0	9	39	0	20	40	2.76
40262	Temex_2005	597572	5219447	S0602951	March 7, 2006	0	51	12	8	0	4	34	0	13	36	1.95
40263	Temex_2005	597228	5219592	S0602952	March 7, 2006	0	35	10	3	0	5	21	0	10	28	1.89
40271	Temex_2005	600301	5221075	S0602953	March 7, 2006	0	23	12	4	0	2	36	0	11	31	1.54
40272	Temex_2005	600605	5220789	S0602954	March 7, 2006	0	29	10	4	0	4	20	0	9	22	1.25
40273	Temex_2005	601129	5221146	S0602955	March 7, 2006	0	27	14	16	0	4	35	0	12	37	1.70
40274	Temex_2005	601912	5221844	S0602956	March 7, 2006	0	15	17	12	0	6	37	0	14	34	2.01
40356	Temex_2005	584678	5249945	S0602957	March 7, 2006	0	19	8	1	0	4	26	0	8	21	1.30
40357	Temex_2005	583924	5249905	S0602958	March 7, 2006	0	36	17	12	0	9	21	0	15	34	1.89
40358	Temex_2005	583221	5249862	S0602959	March 7, 2006	0	20	7	2	0	2	23	0	8	18	1.32
40359	Temex_2005	584638	5250691	S0602960	March 7, 2006	0	16	9	0	0	4	26	0	11	24	1.22
40360	Temex_2005	584027	5250620	S0602961	March 7, 2006	0	5	12	0	0	3	18	0	6	17	1.34
40361	Temex_2005	583244	5250617	S0602962	March 7, 2006	0	20	8	0	0	3	13	0	9	19	1.18
40362	Temex_2005	588454	5237294	S0602870	March 7, 2006	0	38	12	12	0	5	33	0	15	42	2.18
40363	Temex_2005	588604	5237299	S0602871	March 7, 2006	0	19	12	12	0	7	29	0	10	31	2.13
40364	Temex_2005	588825	5237337	S0602872	March 7, 2006	0	34	9	8	0	6	26	0	12	33	1.81
40370	Temex_2005	587628	5236831	S0602873	March 7, 2006	0	35	14	12	0	8	27	0	12	33	1.80
40371	Temex_2005	587964	5236789	S0602874	March 7, 2006	0	31	11	14	0	5	43	0	14	44	2.30
40372	Temex_2005	588271	5236775	S0602875	March 7, 2006	0	28	8	16	0	4	45	0	10	37	2.18
40373	Temex_2005	588513	5236770	S0602876	March 7, 2006	0	38	9	16	0	10	34	0	12	38	2.16
40374	Temex_2005	588791	5236690	S0602877	March 7, 2006	0	35	8	17	0	7	38	0	14	42	2.27
40375	Temex_2005	589053	5236797	S0602878	March 7, 2006	0	15	8	13	0	8	25	0	10	28	1.87
40376	Temex_2005	589295	5236854	S0602879	March 7, 2006	0	20	4	0	0	9	18	0	4	15	1.37

### APPENDIX G: Slimes Results

Teck Cominco Global Discovery Labs 2006  
V 06-0138S

Sample	Survey	Easting	Northing	Sample Lab	Date_Report	Au	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe
		NAD27	NAD27			ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
40377	Temex_2005	589675	5236807	S0602880	March 7, 2006	0	32	10	22	0	11	28	0	13	31	1.89
40401	Temex_2005	584444	5216954	S0602963	March 7, 2006	0	15	11	8	0	0	20	0	9	23	1.73
40403	Temex_2005	584027	5216914	S0602964	March 7, 2006	0	25	10	3	0	5	21	0	10	27	1.45
40404	Temex_2005	583767	5216914	S0602965	March 7, 2006	0	42	11	5	0	6	25	0	11	30	1.51
40405	Temex_2005	581976	5216262	S0602966	March 7, 2006	0	32	14	14	0	5	28	0	14	40	1.83
40406	Temex_2005	581761	5216687	S0602967	March 7, 2006	0	22	10	5	0	6	32	0	11	33	1.58
40407	Temex_2005	581474	5216826	S0602968	March 7, 2006	0	11	14	22	0	3	41	0	11	35	2.07
40408	Temex_2005	581251	5216599	S0602969	March 7, 2006	0	26	12	16	0	5	56	0	13	38	1.83
40409	Temex_2005	582982	5218036	S0602970	March 7, 2006	0	25	12	4	0	3	28	0	11	33	1.63
40410	Temex_2005	582411	5218036	S0602971	March 7, 2006	0	18	14	11	0	5	50	0	11	31	1.66
40411	Temex_2005	581799	5218072	S0602972	March 7, 2006	0	17	12	17	0	5	31	0	12	45	2.18
40448	Temex_2005	607539	5196043	S0602881	March 7, 2006	0	20	6	4	0	3	22	0	7	26	1.20
40449	Temex_2005	607398	5196157	S0602882	March 7, 2006	0	15	7	13	0	4	29	0	8	28	1.36
40450	Temex_2005	607284	5196266	S0602883	March 7, 2006	0	107	20	51	0	6	59	0	26	105	3.35
40451	Temex_2005	606981	5196420	S0602884	March 7, 2006	0	18	4	8	0	3	31	0	10	29	1.42
40452	Temex_2005	609645	5200819	S0602885	March 7, 2006	0	18	9	13	0	3	26	0	17	83	1.51
40453	Temex_2005	609469	5200883	S0602886	March 7, 2006	0	25	4	1	0	4	13	0	6	21	0.93
40455	Temex_2005	609469	5201262	S0602887	March 7, 2006	0	24	8	12	0	6	34	0	12	46	1.39
40456	Temex_2005	611103	5201349	S0602888	March 7, 2006	0	16	11	17	0	5	22	0	9	35	1.59
40457	Temex_2005	611431	5201406	S0602889	March 7, 2006	0	82	16	65	0	6	103	0	25	92	3.59
40458	Temex_2005	611817	5201167	S0602890	March 7, 2006	0	19	6	11	0	6	30	0	8	30	1.47
40459	Temex_2005	612092	5201408	S0602891	March 7, 2006	0	18	7	16	0	4	25	0	6	27	1.52
40460	Temex_2005	612555	5201648	S0602892	March 7, 2006	0	12	7	10	0	4	27	0	6	27	1.40
40461	Temex_2005	612932	5201723	S0602893	March 7, 2006	0	32	10	36	0	4	49	0	13	47	2.43
40462	Temex_2005	613148	5201683	S0602894	March 7, 2006	0	15	7	20	0	5	33	0	9	46	1.75
40463	Temex_2005	613774	5204713	S0602895	March 7, 2006	0	25	13	25	0	5	32	0	10	40	1.60
40464	Temex_2005	613563	5204680	S0602896	March 7, 2006	0	34	11	21	0	7	34	0	12	44	2.49
40465	Temex_2005	610664	5204770	S0602897	March 7, 2006	0	41	9	19	0	6	47	0	15	61	2.17
40466	Temex_2005	610318	5204993	S0602898	March 7, 2006	0	28	7	15	0	5	34	0	12	40	1.97
40467	Temex_2005	609983	5205091	S0602899	March 7, 2006	0	83	19	38	0	9	54	0	20	72	2.76
40468	Temex_2005	609680	5205091	S0602900	March 7, 2006	0	32	15	44	0	7	46	0	18	50	2.75
40469	Temex_2005	609459	5205142	S0602901	March 7, 2006	0	13	10	15	0	5	31	0	12	32	1.88
40470	Temex_2005	613626	5207483	S0602902	March 7, 2006	0	13	9	8	0	5	19	0	9	40	1.17
40471	Temex_2005	614017	5207437	S0602903	March 7, 2006	0	14	6	8	0	4	22	0	9	41	1.38
40472	Temex_2005	614408	5207422	S0602904	March 7, 2006	0	17	8	12	0	6	30	0	10	43	1.57
40473	Temex_2005	614715	5207159	S0602905	March 7, 2006	0	21	8	18	0	5	54	0	11	43	1.62
40474	Temex_2005	615002	5206920	S0602906	March 7, 2006	0	16	7	7	0	5	20	0	8	26	1.25
40475	Temex_2005	615283	5206665	S0602907	March 7, 2006	0	30	8	17	0	8	29	0	10	42	1.67
40476	Temex_2005	615486	5205708	S0602908	March 7, 2006	0	20	11	40	0	4	71	0	13	58	2.31
40477	Temex_2005	615200	5205541	S0602909	March 7, 2006	0	5	7	21	0	2	19	0	7	29	1.50
40478	Temex_2005	614881	5205441	S0602910	March 7, 2006	0	26	16	37	0	5	27	0	10	46	2.33
40479	Temex_2005	614642	5205256	S0602911	March 7, 2006	0	10	7	19	0	3	25	0	4	16	1.15
40480	Temex_2005	614349	5205048	S0602912	March 7, 2006	0	24	11	35	0	5	22	0	11	39	2.31
40482	Temex_2005	613987	5204930	S0602913	March 7, 2006	0	8	5	3	0	5	17	0	5	22	0.92
40485	Temex_2005	591306	5252371	S0602973	March 7, 2006	0	15	11	18	0	5	41	0	13	38	2.19
40486	Temex_2005	591450	5252581	S0602974	March 7, 2006	0	17	12	8	0	0	27	0	12	30	1.96
40487	Temex_2005	591032	5252756	S0602975	March 7, 2006	0	26	12	9	0	3	38	0	14	35	1.97
40488	Temex_2005	590500	5252805	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing
40492	Temex_2005	589743	5251117	S0602976	March 7, 2006	0	14	10	6	0	3	31	0	9	26	1.69
40493	Temex_2005	589852	5251208	S0602977	March 7, 2006	0	29	11	8	0	3	33	0	12	29	1.90
40494	Temex_2005	589426	5251624	S0602978	March 7, 2006	0	16	11	17	0	4	56	0	14	41	2.31
40495	Temex_2005	588777	5251690	S0602979	March 7, 2006	0	37	10	13	0	0	35	0	11	32	1.86
40496	Temex_2005	589151	5251675	S0602980	March 7, 2006	0	22	8	0	0	6	18	0	7	15	1.22
40497	Temex_2005	589981	5251731	S0602981	March 7, 2006	0	27	10	1	0	4	34	0	9	23	1.48
40500	Temex_2005	593010	5250915	S0602982	March 7, 2006	0	28	9	4	0	5	37	0	11	27	1.83

Temex Resources: 2005 Wilson Lake Till Sampling Campaign

Sample	Mo ppm	Cr ppm	Bi ppm	Sb ppm	V ppm	Sn ppm	W ppm	Sr ppm	Y ppm	La ppm	Mn ppm	Mg %	Ti %	Al %	Ca %	Na %	K %	P ppm
32003 A	0	51	5	0	41	0	0	13	4	0	304	0.59	0.07	1.83	0.20	0.05	0.07	372
32003 B	0	38	0	0	29	0	0	11	2	0	287	0.46	0.06	1.19	0.18	0.04	0.05	307
32004	0	41	0	0	37	0	0	11	3	10	221	0.50	0.06	1.61	0.19	0.03	0.04	634
32005	0	43	0	0	32	0	0	12	4	8	293	0.56	0.07	1.50	0.17	0.03	0.04	366
32006	0	53	6	0	44	0	0	9	3	0	285	0.59	0.08	2.12	0.10	0.03	0.03	119
32007	0	41	0	0	38	0	0	13	3	2	284	0.55	0.07	1.50	0.17	0.03	0.05	235
32008	0	44	0	0	35	0	0	14	4	7	294	0.55	0.07	1.47	0.21	0.04	0.05	276
32009	0	42	0	5	32	0	0	13	4	3	290	0.55	0.07	1.61	0.17	0.04	0.06	194
32010	0	35	0	0	33	0	0	13	4	8	229	0.44	0.06	1.21	0.16	0.03	0.05	372
32011	0	47	0	0	41	0	0	14	5	8	410	0.69	0.07	1.83	0.24	0.04	0.08	521
32012	0	38	0	5	34	0	0	10	3	5	287	0.52	0.07	1.57	0.14	0.04	0.05	393
32013	0	47	0	0	39	0	0	10	5	0	480	0.72	0.07	1.64	0.19	0.04	0.05	347
32014	0	38	0	0	35	0	0	10	3	7	265	0.53	0.06	1.42	0.14	0.04	0.04	318
32015	0	46	0	0	39	0	0	9	4	3	278	0.56	0.06	2.03	0.11	0.03	0.05	364
32016	0	46	0	6	33	0	0	11	3	5	189	0.46	0.08	2.08	0.11	0.03	0.04	230
32017	0	44	0	0	40	0	0	13	3	3	289	0.57	0.07	1.67	0.21	0.03	0.05	493
32018	0	43	0	6	43	0	0	14	5	10	249	0.53	0.08	2.07	0.21	0.03	0.05	471
32019	0	62	6	6	49	0	0	15	6	9	320	0.61	0.09	2.78	0.20	0.03	0.07	521
32020	0	66	0	6	38	0	0	17	4	6	383	0.63	0.09	1.77	0.26	0.04	0.08	443
32021	0	45	0	0	41	0	0	17	5	10	364	0.61	0.08	1.61	0.26	0.03	0.08	451
32022	0	45	0	0	36	0	0	19	4	8	620	0.60	0.08	1.54	0.27	0.04	0.08	453
32023	0	45	0	0	40	0	0	16	3	3	367	0.55	0.08	1.57	0.28	0.04	0.07	534
32024	0	50	0	0	41	0	0	12	3	7	424	0.60	0.06	1.49	0.17	0.03	0.06	377
32025	0	51	0	5	42	0	0	10	3	6	349	0.59	0.07	1.50	0.17	0.03	0.06	429
32026	0	57	0	0	51	0	0	12	3	2	307	0.63	0.08	2.09	0.16	0.03	0.07	277
32027	0	37	5	5	31	0	0	9	3	0	232	0.47	0.05	1.40	0.14	0.03	0.03	451
32028	0	27	6	0	29	0	0	11	2	5	172	0.36	0.06	1.12	0.14	0.03	0.03	158
32029	0	38	5	0	36	0	0	11	3	5	211	0.43	0.06	1.44	0.16	0.03	0.04	481
32030	0	35	0	5	33	0	0	13	3	4	283	0.48	0.06	1.17	0.19	0.03	0.05	303
32031	0	33	0	5	26	0	0	10	3	10	148	0.34	0.07	1.75	0.13	0.03	0.03	253
32032	0	36	0	0	31	0	0	9	2	5	232	0.45	0.05	1.18	0.12	0.03	0.04	222
32033	0	17	0	0	21	0	0	8	2	7	142	0.24	0.04	1.00	0.09	0.03	0.02	53
32034	0	47	0	5	35	0	0	8	3	0	333	0.62	0.06	1.72	0.14	0.03	0.03	454
32035	0	39	0	0	33	0	0	9	3	2	288	0.53	0.06	1.45	0.14	0.03	0.04	299
32036	0	53	6	7	38	0	0	9	3	5	349	0.70	0.07	1.89	0.11	0.04	0.05	363
32037	0	25	0	0	27	0	0	11	3	8	275	0.38	0.05	0.83	0.16	0.04	0.03	148
32038	0	40	0	0	33	0	0	10	2	4	275	0.52	0.06	1.64	0.13	0.03	0.05	265
32039	0	42	0	5	31	0	0	11	3	5	306	0.54	0.06	1.53	0.14	0.03	0.04	136
32069	0	40	0	0	27	0	0	10	2	5	254	0.39	0.06	1.02	0.18	0.03	0.04	242
32070	0	43	0	0	29	0	0	14	4	8	246	0.38	0.07	1.52	0.25	0.03	0.05	475
32071	0	44	5	0	33	0	0	12	2	7	216	0.42	0.07	1.43	0.18	0.03	0.05	283
32072	0	56	0	0	35	0	0	16	3	6	435	0.57	0.06	1.67	0.25	0.03	0.07	428
32097	0	44	0	0	34	0	0	15	2	7	237	0.42	0.07	1.31	0.19	0.03	0.05	235
32098	0	64	5	0	37	0	0	15	4	5	424	0.65	0.07	2.03	0.19	0.04	0.09	406
32099	0	55	0	0	37	0	0	16	3	11	395	0.55	0.05	1.46	0.20	0.04	0.07	233
32100	0	49	10	0	26	0	0	7	2	5	418	0.52	0.03	1.31	0.10	0.03	0.03	255
32101	0	30	0	0	22	0	0	7	0	5	137	0.31	0.03	1.01	0.09	0.03	0.03	275
32102	0	61	8	0	35	0	0	11	2	8	283	0.57	0.06	2.41	0.20	0.03	0.08	679
32103	0	59	6	6	36	0	0	12	2	8	454	0.66	0.04	2.07	0.20	0.03	0.08	637
32106	0	45	0	0	36	0	0	12	3	7	347	0.55	0.05	1.26	0.21	0.04	0.03	420
32107	0	30	0	0	26	0	0	11	2	3	233	0.36	0.04	0.86	0.19	0.03	0.03	400
32108	0	53	0	0	33	0	0	10	2	7	307	0.56	0.05	1.83	0.17	0.03	0.05	528
32109	0	34	5	0	25	0	0	10	3	8	132	0.33	0.05	1.14	0.19	0.03	0.04	471
32110	0	28	0	0	26	0	0	10	5	10	368	0.36	0.03	0.69	0.25	0.03	0.03	496
32111	0	30	0	0	25	0	0	10	2	9	282	0.35	0.03	0.81	0.21	0.03	0.03	469



Temex Resources: 2005 Wilson Lake Till Sampling Campaign

Sample	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm
32114	0	47	0	0	29	0	0	8	0	3	306	0.46	0.04	1.61	0.14	0.03	0.04	310
32115	0	40	0	0	30	0	0	12	3	7	353	0.50	0.03	1.16	0.24	0.03	0.03	458
32116	0	55	9	0	34	0	0	13	2	6	335	0.55	0.05	1.80	0.23	0.03	0.06	480
32117	0	39	0	0	34	0	0	13	2	14	273	0.45	0.05	1.21	0.21	0.03	0.05	379
32118	0	32	0	0	29	0	0	14	2	6	162	0.42	0.04	1.09	0.33	0.03	0.04	338
32119	0	36	0	0	32	0	0	15	3	8	403	0.40	0.05	1.01	0.27	0.03	0.05	431
32120	0	33	0	0	26	0	0	12	3	11	364	0.47	0.04	0.87	0.28	0.03	0.03	502
32121	0	57	0	0	38	0	0	17	4	13	527	0.62	0.05	1.57	0.32	0.04	0.08	603
32122	0	63	0	8	37	0	0	10	2	7	399	0.71	0.04	2.01	0.18	0.04	0.08	426
32123	0	92	0	7	45	0	0	11	3	4	399	0.89	0.08	2.32	0.21	0.03	0.11	618
32124	0	51	0	6	36	0	0	13	2	5	393	0.63	0.07	1.62	0.19	0.03	0.06	308
32125	0	46	0	0	39	0	0	15	5	10	445	0.57	0.07	1.27	0.28	0.03	0.06	459
32126	0	87	0	0	36	0	0	11	3	6	256	0.70	0.07	1.54	0.17	0.03	0.09	501
32127	0	73	0	0	41	0	0	8	2	2	281	0.68	0.07	2.23	0.11	0.03	0.07	303
32128	0	58	0	0	45	0	0	13	4	9	461	0.65	0.08	1.43	0.26	0.03	0.07	474
32129	0	57	0	0	38	0	0	13	4	7	411	0.62	0.07	1.33	0.23	0.03	0.08	476
32130	0	56	0	0	36	0	0	11	2	3	307	0.60	0.07	1.42	0.16	0.03	0.07	305
32131	0	57	0	0	40	0	0	16	5	6	606	0.67	0.07	1.96	0.25	0.03	0.10	547
32132	0	72	0	6	41	0	0	18	3	5	395	0.76	0.08	2.13	0.22	0.03	0.10	270
32133	0	82	0	5	45	0	0	14	3	10	385	0.70	0.08	1.90	0.21	0.04	0.08	410
32134	0	50	0	6	43	0	0	12	3	7	234	0.59	0.08	1.65	0.20	0.03	0.05	348
32135	0	45	0	5	36	0	0	16	5	13	429	0.56	0.07	1.17	0.23	0.04	0.06	420
32136	0	117	0	7	44	0	0	14	2	10	286	0.84	0.08	1.61	0.18	0.03	0.14	517
32137	0	62	0	5	44	0	0	14	4	3	335	0.69	0.08	2.27	0.23	0.04	0.08	436
32138	0	38	0	0	32	0	0	14	5	10	435	0.55	0.05	1.05	0.32	0.04	0.05	508
32139	0	74	0	5	44	0	0	13	4	6	581	0.75	0.06	2.24	0.23	0.03	0.09	498
32140	0	45	0	0	42	0	0	29	5	12	531	0.76	0.07	1.68	0.45	0.02	0.06	732
32141	0	30	0	0	27	0	0	12	4	9	461	0.47	0.05	0.81	0.24	0.02	0.03	429
32142	0	45	0	0	39	0	0	13	3	0	376	0.63	0.06	1.73	0.22	0.03	0.06	404
32143	0	49	0	0	36	0	0	13	4	5	269	0.64	0.07	2.02	0.22	0.03	0.07	433
40157	0	505	0	8	58	0	0	11	0	0	272	2.61	0.13	2.21	0.16	0.03	0.54	728
40158	0	179	0	7	44	0	0	11	3	4	282	1.11	0.10	2.16	0.15	0.03	0.04	593
40159	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing
40160	0	85	0	0	45	0	0	16	9	21	505	0.81	0.07	1.40	0.40	0.04	0.12	565
40161	0	58	8	7	36	0	0	10	3	0	206	0.48	0.07	1.74	0.13	0.03	0.04	357
40177	0	36	0	0	46	0	0	10	3	6	153	0.36	0.08	1.75	0.12	0.03	0.04	233
40178	0	36	0	6	36	0	0	10	3	5	246	0.55	0.06	1.25	0.15	0.03	0.04	220
40179	0	44	0	0	42	0	0	11	4	2	244	0.51	0.08	1.87	0.16	0.03	0.05	459
40184	0	60	0	9	41	0	0	14	5	8	332	0.63	0.07	2.34	0.20	0.03	0.08	279
40185	0	58	0	0	37	0	0	11	3	5	249	0.57	0.06	1.72	0.18	0.03	0.05	527
40186	0	34	0	0	31	0	0	9	3	2	232	0.44	0.06	1.36	0.15	0.03	0.04	308
40190	0	36	0	0	29	0	0	9	3	2	284	0.48	0.05	1.23	0.18	0.03	0.03	333
40191	0	41	0	0	33	0	0	8	2	0	221	0.48	0.06	1.83	0.13	0.03	0.04	549
40192	0	48	0	0	47	0	0	8	2	3	424	0.35	0.06	2.41	0.13	0.03	0.04	718
40193	0	45	0	0	30	0	0	11	2	0	205	0.44	0.06	1.47	0.20	0.03	0.05	365
40194	0	41	0	0	33	0	0	9	2	4	169	0.38	0.06	1.50	0.14	0.03	0.04	254
40195	0	42	0	5	36	0	0	10	0	2	168	0.28	0.07	2.22	0.12	0.03	0.04	459
40196	0	48	0	5	50	0	0	12	4	2	326	0.61	0.08	2.45	0.25	0.03	0.05	1066
40197	0	36	0	0	42	0	0	7	2	4	200	0.26	0.05	1.83	0.10	0.03	0.03	380
40198	0	35	0	6	46	0	0	7	2	0	102	0.23	0.07	2.64	0.08	0.03	0.03	342
40199	0	56	0	7	43	0	0	6	3	2	236	0.54	0.06	3.17	0.08	0.03	0.05	394
40200	0	34	5	6	34	0	0	4	2	0	174	0.22	0.05	2.08	0.04	0.03	0.03	448
40201	0	34	0	6	45	0	0	5	0	0	171	0.31	0.06	2.02	0.06	0.03	0.03	253
40202	0	37	6	6	36	0	0	6	2	0	185	0.38	0.07	1.60	0.07	0.03	0.03	168
40203	0	45	8	0	48	0	0	7	2	2	201	0.41	0.08	1.90	0.12	0.03	0.04	525

Temex Resources: 2005 Wilson Lake Till Sampling Campaign

Sample	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm
40218	0	48	6	0	45	0	0	10	4	5	384	0.75	0.07	1.81	0.21	0.04	0.03	453
40219	0	38	0	0	39	0	0	9	3	0	215	0.47	0.08	2.52	0.14	0.04	0.03	355
40220	0	36	0	0	30	0	0	12	4	5	218	0.48	0.08	1.51	0.22	0.04	0.04	394
40221	0	82	0	0	44	0	0	9	5	2	465	0.71	0.07	2.65	0.13	0.03	0.05	368
40222	0	38	0	8	37	0	0	9	3	9	165	0.34	0.07	2.05	0.13	0.04	0.04	415
40223	0	35	0	0	48	0	0	9	3	10	190	0.34	0.07	1.76	0.10	0.04	0.04	462
40224	0	54	0	7	38	0	0	9	3	4	394	0.70	0.06	2.16	0.14	0.04	0.06	547
40225	0	57	0	0	36	0	0	9	5	9	397	0.76	0.07	2.22	0.16	0.04	0.06	528
40226	0	45	0	0	32	0	0	10	3	3	242	0.48	0.07	1.92	0.12	0.03	0.05	403
40227	0	31	0	0	52	0	0	11	3	0	163	0.27	0.07	1.92	0.12	0.04	0.04	249
40228	0	51	0	9	45	0	0	12	4	0	309	0.54	0.09	3.31	0.15	0.04	0.05	666
40229	0	43	0	0	32	0	0	16	3	2	243	0.45	0.08	1.82	0.19	0.04	0.07	339
40230	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing
40231	0	55	0	0	40	0	0	12	5	7	239	0.62	0.06	2.17	0.19	0.04	0.05	910
40232	0	53	0	0	43	0	0	17	3	5	251	0.45	0.07	2.25	0.23	0.04	0.08	675
40233	0	30	0	0	27	0	0	15	2	4	320	0.33	0.07	1.24	0.19	0.03	0.05	158
40234	0	44	6	0	39	0	0	11	5	3	272	0.43	0.08	1.88	0.13	0.04	0.05	336
40235	0	51	0	0	46	0	0	6	3	2	389	0.53	0.07	1.75	0.08	0.03	0.03	781
40236	0	65	0	0	41	0	0	10	2	0	457	0.49	0.07	1.54	0.13	0.04	0.04	684
40237	0	48	0	5	35	0	0	9	3	4	190	0.39	0.08	2.45	0.10	0.03	0.03	385
40238	0	53	0	0	36	0	0	18	3	8	468	0.55	0.08	1.85	0.26	0.04	0.09	419
40239	0	54	0	5	39	0	0	13	4	9	329	0.53	0.08	2.44	0.18	0.04	0.05	880
40240	0	47	0	0	34	0	0	16	4	9	284	0.45	0.08	1.89	0.21	0.04	0.06	574
40241	0	31	0	0	32	0	0	14	2	3	156	0.20	0.07	1.53	0.14	0.04	0.05	304
40242	0	49	0	0	42	0	0	19	9	29	456	0.60	0.08	1.41	0.30	0.04	0.07	456
40243	0	43	0	5	49	0	0	13	3	3	204	0.40	0.09	2.15	0.13	0.04	0.06	303
40258	0	43	0	0	32	0	0	9	4	10	225	0.47	0.06	1.36	0.18	0.03	0.03	376
40259	0	33	0	0	26	0	0	7	3	2	151	0.40	0.05	1.17	0.10	0.02	0.03	155
40260	0	36	0	0	33	0	0	8	4	5	188	0.39	0.06	1.78	0.12	0.03	0.03	300
40261	0	53	0	0	44	0	0	7	5	20	215	0.52	0.07	2.42	0.12	0.03	0.03	524
40262	0	39	0	0	26	0	0	4	3	4	187	0.55	0.04	1.50	0.08	0.02	0.03	281
40263	0	32	0	0	27	0	0	6	3	4	170	0.49	0.03	1.39	0.10	0.02	0.02	408
40271	0	43	0	0	23	0	0	11	3	8	297	0.45	0.05	1.20	0.22	0.03	0.05	475
40272	0	34	0	0	27	0	0	8	3	10	192	0.39	0.05	0.89	0.17	0.03	0.03	359
40273	0	47	0	0	30	0	0	9	4	10	171	0.46	0.07	1.59	0.15	0.03	0.04	344
40274	0	60	0	0	35	0	0	16	5	10	572	0.61	0.07	1.47	0.27	0.03	0.13	532
40356	0	34	0	0	27	0	0	17	4	8	189	0.37	0.07	1.19	0.22	0.03	0.03	358
40357	0	44	0	0	34	0	0	9	3	5	250	0.41	0.06	2.19	0.16	0.03	0.03	783
40358	0	25	0	0	27	0	0	11	3	5	223	0.38	0.04	0.96	0.17	0.03	0.03	300
40359	0	29	0	0	22	0	0	12	4	10	380	0.35	0.04	0.77	0.20	0.03	0.02	394
40360	0	25	0	0	21	0	0	2	2	3	134	0.24	0.03	1.23	0.03	0.02	0.01	210
40361	0	24	5	0	22	0	0	6	3	5	264	0.30	0.03	0.76	0.14	0.03	0.02	383
40362	0	48	0	8	36	0	0	14	5	5	336	0.59	0.06	1.87	0.23	0.04	0.06	545
40363	0	41	0	0	28	0	0	7	2	4	242	0.44	0.04	1.81	0.11	0.03	0.03	436
40364	0	38	0	0	28	0	0	10	4	9	420	0.52	0.05	1.15	0.21	0.03	0.04	539
40370	0	39	5	0	29	0	0	9	2	6	196	0.41	0.06	1.67	0.13	0.03	0.03	449
40371	0	59	0	0	38	0	0	17	4	6	299	0.62	0.07	2.21	0.21	0.06	0.07	384
40372	0	49	0	0	34	0	0	14	4	8	246	0.54	0.08	1.94	0.17	0.05	0.07	264
40373	0	50	0	0	36	0	0	15	4	5	255	0.55	0.08	2.01	0.21	0.05	0.07	473
40374	0	53	0	0	36	0	0	15	4	6	296	0.62	0.08	2.04	0.22	0.06	0.08	435
40375	0	44	0	0	32	0	0	12	3	8	265	0.48	0.07	1.54	0.19	0.06	0.06	582
40376	0	34	0	0	29	0	0	14	3	9	158	0.31	0.06	0.87	0.26	0.05	0.04	507

2.32569

Temex Resources: 2005 Wilson Lake Till Sampling Campaign

Sample	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Tl	Al	Ca	Na	K	P
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	ppm
40377	0	48	0	0	31	0	0	11	4	7	242	0.41	0.07	1.91	0.16	0.05	0.05	376
40401	0	38	0	0	26	0	0	5	4	4	208	0.38	0.05	1.81	0.09	0.03	0.02	439
40403	0	33	0	0	27	0	0	7	3	4	220	0.42	0.04	1.14	0.15	0.03	0.02	372
40404	0	48	0	0	31	0	0	13	6	18	264	0.51	0.05	0.95	0.23	0.03	0.05	370
40405	0	46	0	5	32	0	0	10	3	5	176	0.42	0.07	1.72	0.12	0.03	0.04	308
40406	0	43	0	0	27	0	0	10	3	5	301	0.48	0.05	1.23	0.20	0.03	0.04	432
40407	0	45	0	6	30	0	0	9	3	0	198	0.43	0.06	2.15	0.12	0.03	0.03	298
40408	0	47	0	0	29	0	0	11	4	3	366	0.54	0.05	1.48	0.19	0.03	0.05	405
40409	0	52	0	5	29	0	0	7	3	5	201	0.54	0.06	1.41	0.12	0.02	0.02	229
40410	0	39	0	0	23	0	0	4	2	6	239	0.45	0.03	1.42	0.07	0.02	0.02	257
40411	0	65	0	0	28	0	0	6	4	7	249	0.56	0.05	2.49	0.11	0.02	0.04	352
40448	0	48	0	0	24	0	0	10	2	9	207	0.44	0.04	0.88	0.17	0.04	0.05	551
40449	0	54	0	0	26	0	0	13	2	10	206	0.58	0.05	1.05	0.21	0.04	0.08	606
40450	0	251	0	8	74	0	0	24	7	56	435	1.61	0.16	2.58	0.35	0.05	0.16	1133
40451	0	54	0	0	26	0	0	13	3	14	287	0.52	0.06	1.12	0.20	0.05	0.10	623
40452	0	101	0	0	28	0	0	16	2	8	348	0.88	0.07	1.10	0.22	0.04	0.10	571
40453	0	34	0	0	23	0	0	10	2	7	115	0.29	0.05	0.72	0.16	0.04	0.04	425
40455	0	61	0	0	31	0	0	14	3	10	282	0.53	0.05	0.94	0.23	0.04	0.12	731
40456	0	52	5	0	29	0	0	15	3	3	151	0.42	0.07	1.66	0.25	0.04	0.06	739
40457	0	179	0	6	79	0	0	19	4	18	514	1.76	0.20	3.01	0.37	0.04	0.25	803
40458	0	57	0	0	27	0	0	16	3	12	209	0.53	0.06	1.22	0.25	0.04	0.07	736
40459	0	52	6	0	28	0	0	11	2	10	161	0.56	0.07	1.28	0.16	0.03	0.05	651
40460	0	48	6	0	29	0	0	15	2	9	156	0.53	0.07	0.97	0.18	0.03	0.06	414
40461	0	85	0	6	45	0	0	16	5	24	274	0.89	0.14	2.24	0.12	0.03	0.11	275
40462	0	78	0	5	34	0	0	17	4	23	282	0.75	0.10	1.27	0.25	0.03	0.13	760
40463	0	65	0	0	33	0	0	25	5	16	233	0.68	0.08	1.23	0.34	0.04	0.10	779
40464	0	98	0	0	46	0	0	27	9	30	315	1.01	0.12	1.40	0.36	0.03	0.09	803
40465	0	183	0	6	42	0	0	23	4	9	266	0.98	0.11	1.89	0.34	0.05	0.14	1009
40466	0	96	0	0	39	0	0	18	5	12	336	0.68	0.08	1.45	0.28	0.04	0.07	761
40467	0	146	0	0	51	0	0	24	7	26	657	1.09	0.11	1.98	0.44	0.04	0.23	1180
40468	0	79	0	6	48	0	0	13	4	4	277	0.70	0.09	2.40	0.22	0.04	0.10	1516
40469	0	66	5	0	30	0	0	8	3	3	293	0.49	0.06	1.68	0.16	0.02	0.05	733
40470	0	64	0	0	27	0	0	14	3	13	234	0.60	0.04	0.80	0.24	0.03	0.06	660
40471	0	66	0	0	25	0	0	16	3	11	246	0.60	0.05	0.98	0.23	0.03	0.08	636
40472	0	64	0	0	27	0	0	18	3	9	181	0.63	0.08	1.36	0.17	0.03	0.08	387
40473	0	71	0	0	30	0	0	22	4	12	292	0.70	0.08	1.46	0.32	0.04	0.19	782
40474	0	50	0	0	23	0	0	26	5	15	295	0.49	0.05	0.70	0.35	0.04	0.06	774
40475	0	74	0	0	32	0	0	20	3	17	234	0.68	0.09	1.37	0.24	0.04	0.09	512
40476	0	103	5	0	37	0	0	19	4	3	300	1.01	0.12	2.13	0.34	0.04	0.24	848
40477	0	51	0	0	30	0	0	18	2	7	192	0.66	0.08	1.05	0.24	0.03	0.06	584
40478	0	90	0	8	40	0	0	17	4	17	221	0.68	0.11	2.81	0.25	0.03	0.07	806
40479	0	31	0	0	28	0	0	7	0	7	97	0.27	0.06	1.22	0.07	0.03	0.04	254
40480	0	69	5	6	42	0	0	13	2	5	230	0.86	0.11	1.56	0.24	0.02	0.09	776
40482	0	36	0	0	20	0	0	14	3	11	146	0.36	0.04	0.64	0.22	0.03	0.04	455
40485	0	42	0	0	27	0	0	7	3	7	281	0.67	0.03	1.73	0.10	0.03	0.04	489
40486	0	42	0	0	29	0	0	10	3	6	287	0.54	0.05	1.41	0.12	0.03	0.04	343
40487	0	41	0	0	29	0	0	10	3	7	317	0.59	0.04	1.41	0.13	0.03	0.04	271
40488	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing	Missing
40492	0	34	0	0	28	0	0	10	4	7	326	0.46	0.04	1.21	0.14	0.03	0.04	275
40493	0	41	0	0	30	0	0	11	3	6	349	0.52	0.04	1.41	0.16	0.03	0.06	343
40494	0	48	0	0	35	0	0	9	3	2	316	0.57	0.04	1.87	0.13	0.03	0.05	279
40495	0	39	0	0	32	0	0	12	3	5	237	0.50	0.05	1.69	0.17	0.03	0.05	439
40496	0	27	0	0	22	0	0	12	6	15	195	0.29	0.04	0.90	0.27	0.03	0.04	201
40497	0	29	0	0	23	0	0	5	2	3	320	0.43	0.02	1.04	0.11	0.03	0.03	341
40500	0	35	0	0	32	0	0	7	2	5	244	0.50	0.03	1.29	0.10	0.02	0.03	208

## VANCOUVER INDICATOR PROCESSORS INC

Lab: Unit 101, 6200 Darnley St, Burnaby ,BC, V5B 3B1 tel (604)294-9011  
Head Office: Suite 900, 475 Howe St, Vancouver, BC, V6C 2B3 tel (604)696-9266

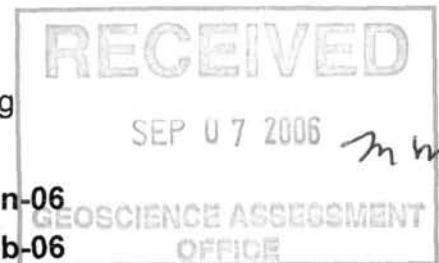
To : Karen Rees, Mgr Expl/ Temex Resources Corp  
From: Peter LeCouteur / VIPI Date 14-Feb-06  
RE : HEAVY MINERAL CONCENTRATES VIPI Job no 194

Thank you for the opportunity to process your samples, and please find the following information attached for this work, which is now completed.

- 1 **Sample receipt sheet** showing some details of the shipment you sent
- 2 A brief **description and flow sheet** of sample processing methods
- 3 An *Excel* listing of **weight data** from heavy minerals concentration.
- 4 An **invoice** for concentrate processing at VIPI


Your sample numbers are included on the Excel listing

These samples were received at VIPI on **23-Jan-06**  
and were passed on for picking on **14-Feb-06**



The concentrates were sent to :  
**KIMDYNAMICS, #802, 121 West 15th St, North Vancouver, BC, V7M 1R8 tel(604) 980-7853**

Yours sincerely,

  
P.C. LeCouteur, PhD, P.Eng, FGAC  
VIPI Lab Supervisor,

**SAMPLE RECEIVAL FORM**

**Vancouver Indicator Processors Inc**

Date received : 23-Jan-06

Client: Temex Resources

Job no assigned: 194 Start no 10234 Stop no 10273 Samples 40

Freight paid by VIPI? (enter \$) \$0.00 Trucking Co Manitoulin Waybill # 5977375

Packing list enclosed ? Y/N n Did contents match list? Y/N

Describe shipment 13 pallets with shrinkwrapped sacks

Was shipment in good condition? Y/N n Comment poorly packed, sacks torn & loose

**This job 194, 195 and 196 are priority #1 samples**

Any security measures? Y/N n Comment

Contact names: Karen Rees, Mgr Exploration

Address to invoice Temex Resources Corp Company

Suite 1000, 141 Adelaide St. West No, Street

Toronto City Ontario Prov M5H 3L5 Postal Code

tel (416) 862-2246 fax (416) 862-2244 email krees@temexcorp.com

Send concentrates to: KIMDYNAMICS, #802, 121 West 15th St, North Vancouver, BC, V7M 1R8 tel(604) 980-7853

Special instructions Collect slimes , results also to Paul Baxter, Victoria Yehl

Prepaid amt \$0.00

Received by JPN



<b>Client</b>	<b>TeckLab</b>	<b>VIPI</b>	<b>Start wt</b>	<b>TBE float</b>	<b>TBE sink</b>	<b>MI float</b>	<b>MI sink</b>
<b>sample #</b>	<b>Conc #</b>	<b>no</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>	<b>g</b>
32035	1152	10266	1683.0	1607.0	76.0	69.9	<b>6.3</b>
32036	1153	10267	968.0	921.6	46.4	41.5	<b>5.0</b>
32037	1154	10268	985.0	941.4	43.6	40.8	<b>2.9</b>
32038	1155	10269	727.0	682.3	44.7	40.0	<b>4.7</b>
32039	1156	10270	1312.0	1215.1	96.9	89.0	<b>7.9</b>
32124	1157	10271	1160.0	1087.6	72.4	66.1	<b>6.3</b>
32125	1158	10272	1293.0	1146.8	146.2	134.5	<b>11.7</b>
32126	1159	10273	691.0	615.9	75.1	65.5	<b>9.6</b>

VIPI sample no	10234	10235	10236	10237	10238	10239	10240	10241	10242	10243
VIPI Job no	194	194	194	194	194	194	194	194	194	194
-0.86+0.25 mm concentrate no	H05-1120	H05-1121	H05-1122	H05-1123	H05-1124	H05-1125	H05-1126	H05-1127	H05-1128	H05-1129
Client Field no	<b>32003</b>	<b>32004</b>	<b>32005</b>	<b>32006</b>	<b>32007</b>	<b>32008</b>	<b>32009</b>	<b>32010</b>	<b>32011</b>	<b>32012</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
<b>Screening weights</b>										
As-received wt kg	10.40	10.15	10.17	11.97	11.93	13.72	14.36	9.52	13.56	10.11
+2 mm wet kg				Torn	Torn					
+0.86 mm wet kg	5.67	6.16	3.25	7.70	6.22	7.67	7.46	5.38	6.65	4.97
<b>-0.86+0.25 mm dry kg</b>	1.08	1.15	0.96	1.17	1.01	1.12	1.45	0.97	1.27	0.91
-0.25 mm dry kg	0.061	0.043	0.029	0.06	0.046	0.021	0.035	0.013	0.032	0.024
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g										
Strongly magnetic fraction g	307	440	237	284	385	293	565	320	493	378
Weakly magnetic fraction g	494	492	518	635	419	636	627	502	613	420
Non magnetic fraction g	211	172	176	192	159	174	221	132	126	90
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	801.0	931.0	754.0	919.0	803.0	929.0	1191.0	822.0	1105.0	797.0
TBE(<2.96) SG) float g	759.0	814.0	706.3	887.2	757.4	889.2	1148.5	781.0	1044.8	765.2
TBE(>2.96 SG) sink g	42.0	117.0	47.7	31.8	45.6	39.8	42.5	41.0	60.2	31.8
MI (<3.30 SG) float g	37.3	61.2	42.6	29.2	40.6	35.8	39.2	37.1	54.1	28.6
<b>MI(&gt;3.30 SG) sink g</b>	<b>4.7</b>	<b>56.1</b>	<b>5.0</b>	<b>2.6</b>	<b>4.9</b>	<b>4.0</b>	<b>3.3</b>	<b>3.8</b>	<b>6.1</b>	<b>3.2</b>
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06



VIPI sample no	10244	10245	10246	10247	10248	10249	10250	10251	10252	10253
VIPI Job no	194	194	194	194	194	194	194	194	194	194
<b>-0.86+0.25 mm concentrate no</b>	H05-1130	H05-1131	H05-1132	H05-1133	H05-1134	H05-1135	H05-1136	H05-1137	H05-1138	H05-1139
<b>Client Field no</b>	<b>32013</b>	<b>32014</b>	<b>32015</b>	<b>32016</b>	<b>32017</b>	<b>32018</b>	<b>32019</b>	<b>32020</b>	<b>32021</b>	<b>32022</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
<b>Screening weights</b>										
As-received wt kg	11.14	11.46	11.92	12.14	12.09	14.51	11.70	11.91	13.79	13.76
+2 mm wet kg										
+0.86 mm wet kg	7.33	5.97	6.11	4.97	5.90	7.94	6.60	5.88	4.94	5.20
<b>-0.86+0.25 mm dry kg</b>	1.29	0.91	1.21	0.69	1.21	2.03	1.45	1.75	1.78	1.69
-0.25 mm dry kg	0.031	0.039	0.069	0.009	0.048	0.057	0.077	0.099	0.092	0.045
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g										
Strongly magnetic fraction g	417	297	515	224	443	535	531	502	461	435
Weakly magnetic fraction g	685	463	512	360	543	1082	620	808	821	805
Non magnetic fraction g	155	111	112	93	175	350	219	340	401	403
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	1101.0	760.0	1027.0	584.0	985.0	1617.0	1151.0	1309.0	1281.0	1239.0
TBE(<2.96) SG) float g	1059.0	705.8	998.0	559.3	943.8	1524.2	1095.6	1247.6	1198.5	1164.7
TBE(>2.96 SG) sink g	42.0	54.2	29.0	24.7	41.2	92.8	55.4	61.4	82.5	74.3
MI (<3.30 SG) float g	38.1	48.5	25.9	22.3	37.8	86.1	50.5	56.5	76.5	68.2
MI(>3.30 SG) sink g	3.8	5.6	3.1	2.4	3.4	6.7	4.9	4.9	6.0	6.1
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06

VIPI sample no	10254	10255	10256	10257	10258	10259	10260	10261	10262	10263
VIPI Job no	194	194	194	194	194	194	194	194	194	194
-0.86+0.25 mm concentrate no	H05-1140	H05-1141	H05-1142	H05-1143	H05-1144	H05-1145	H05-1146	H05-1147	H05-1148	H05-1149
Client Field no	<b>32023</b>	<b>32024</b>	<b>32025</b>	<b>32026</b>	<b>32027</b>	<b>32028</b>	<b>32029</b>	<b>32030</b>	<b>32031</b>	<b>32032</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
Screening weights										
As-received wt kg	11.95	16.22	12.74	14.44	11.28	10.19	11.58	15.90	16.10	17.09
+2 mm wet kg		Torn					Torn			
+0.86 mm wet kg	5.81	6.58	4.91	7.78	5.99	4.34	6.43	8.05	4.22	7.04
-0.86+0.25 mm dry kg	1.38	1.75	1.69	1.67	1.05	0.68	1.20	1.57	0.54	1.20
-0.25 mm dry kg	0.064	0.037	0.063	0.056	0.029	0.01	0.068	0.084	0.013	0.032
Magnetic Processing -0.86+0.25 mm										
Ferromagnetic fraction g										
Strongly magnetic fraction g	637	389	653	632	346	162	289	407	160	386
Weakly magnetic fraction g	442	807	574	706	508	391	601	785	299	521
Non magnetic fraction g	233	515	397	278	165	121	238	294	69	261
Heavy Liquid processing -0.86+.25mm										
Start weight for heavy liquids g	1078.0	1195.0	1227.0	1337.0	853.0	553.0	889.0	1191.0	458.0	907.0
TBE(<2.96) SG) float g	1022.8	1048.9	1103.9	1221.8	812.0	517.8	823.4	1122.0	439.3	860.5
TBE(>2.96 SG) sink g	55.2	146.1	123.1	115.2	41.0	35.2	65.6	69.0	18.7	46.5
MI (<3.30 SG) float g	50.1	129.7	108.6	99.9	36.9	33.0	58.9	63.0	17.4	42.7
MI(>3.30 SG) sink g	5.0	16.4	14.5	15.5	4.1	2.2	6.8	6.2	1.3	3.8
Work record										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06

VIPI sample no	10264	10265	10266	10267	10268	10269	10270	10271	10272	10273
VIPI Job no	194	194	194	194	194	194	194	194	194	194
<b>-0.86+0.25 mm concentrate no</b>	H05-1150	H05-1151	H05-1152	H05-1153	H05-1154	H05-1155	H05-1156	H05-1157	H05-1158	H05-1159
<b>Client Field no</b>	<b>32033</b>	<b>32034</b>	<b>32035</b>	<b>32036</b>	<b>32037</b>	<b>32038</b>	<b>32039</b>	<b>32124</b>	<b>32125</b>	<b>32126</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
<b>Screening weights</b>										
As-received wt kg	18.71	15.59	18.69	15.94	16.46	14.57	13.40	13.40	14.75	13.25
+2 mm wet kg	Torn			Torn	Torn		Torn			
+0.86 mm wet kg	8.91	9.38	9.15	9.49	4.97	7.21	7.19	6.19	6.33	3.45
<b>-0.86+0.25 mm dry kg</b>	0.77	1.97	2.18	1.21	1.28	0.94	1.83	1.53	2.02	1.62
-0.25 mm dry kg	0.017	0.052	0.088	0.028	0.027	0.049	0.114	0.053	0.135	0.041
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g										
Strongly magnetic fraction g	236	457	565	446	323	313	461	538	364	229
Weakly magnetic fraction g	353	1123	1118	522	663	415	851	623	930	462
Non magnetic fraction g	167	334	409	214	264	168	399	314	591	892
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	589.0	1579.0	1683.0	968.0	985.0	727.0	1312.0	1160.0	1293.0	691.0
TBE(<2.96) SG) float g	562.8	1469.7	1607.0	921.6	941.4	682.3	1215.1	1087.6	1146.8	615.9
TBE(>2.96 SG) sink g	26.2	109.3	76.0	46.4	43.6	44.7	96.9	72.4	146.2	75.1
MI (<3.30 SG) float g	24.3	99.0	69.9	41.5	40.8	40.0	89.0	66.1	134.5	65.5
<b>MI(&gt;3.30 SG) sink g</b>	<b>2.0</b>	<b>10.4</b>	<b>6.3</b>	<b>5.0</b>	<b>2.9</b>	<b>4.7</b>	<b>7.9</b>	<b>6.3</b>	<b>11.7</b>	<b>9.6</b>
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06

## VANCOUVER INDICATOR PROCESSORS INC

Lab: Unit 101, 6200 Darnley St, Burnaby ,BC, V5B 3B1 tel (604)294-9011

Head Office: Suite 900, 475 Howe St, Vancouver, BC, V6C 2B3 tel (604)696-9266

To : Karen Rees, Mgr Expl/ Temex Resources Corp

From: Peter LeCouteur / VIPI

Date

14-Feb-06

RE : HEAVY MINERAL CONCENTRATES

VIPI Job no

195

Thank you for the opportunity to process your samples, and please find the following information attached for this work, which is now completed.

- 1 **Sample receipt sheet** showing some details of the shipment you sent
- 2 A brief **description and flow sheet** of sample processing methods
- 3 An *Excel* listing of **weight data** from heavy minerals concentration.
- 4 An **invoice** for concentrate processing at VIPI

Your sample numbers are included on the Excel listing

These samples were received at VIPI on

**23-Jan-06**

and were passed on for picking on

**14-Feb-06**

The concentrates were sent to :

**KIMDYNAMICS, #802, 121 West 15th St, North Vancouver, BC, V7M 1R8 tel(604) 980-7853**

Yours sincerely,



P.C. LeCouteur, PhD, P.Eng, FGAC  
VIPI Lab Supervisor,

**SAMPLE RECEIVAL FORM**

**Vancouver Indicator Processors Inc**

Date received : 23-Jan-06

Client: Temex Resources

Job no assigned: 195 Start no 10275 Stop no 10314 Samples 40

Freight paid by VIPI? (enter \$) \$0.00 Trucking Co Manitoulin Waybill # 5977375

Packing list enclosed ? Y/N n Did contents match list? Y/N

Describe shipment 13 pallets with shrinkwrapped sacks

Was shipment in good condition? Y/N n Comment poorly packed, sacks torn & loose

**This job 194, 195 and 196 are priority #1 samples**

Any security measures? Y/N n Comment

Contact names: Karen Rees, Mgr Exploration

Address to invoice Temex Resources Corp Company

Suite 1000, 141 Adelaide St. West No, Street

Toronto City Ontario Prov M5H 3L5 Postal Code

tel (416) 862-2246 fax (416) 862-2244 email krees@temexcorp.com

Send concentrates to: KIMDYNAMICS, #802, 121 West 15th St, North Vancouver, BC, V7M 1R8 tel(604) 980-7853

Special instructions Collect slimes , results also to Paul Baxter, Victoria Yehl

Prepaid amt \$0.00

Received by JPN

<b>LIST TO ACCOMPANY CONCENTRATES FOR INDICATOR PICKING</b>							
Sent from: VIPI , unit 101, 6200 Darnley St, Burnaby, BC, V5B 3B1							
Tel (604) 294 9011, fax 294-9022, email vipi@telus.net							
Sent to: KIMDYNAMICS, #802, 121 West 15th St, North Vancouver, BC, V7M 1R8 tel(604) 980-7853							
Client: Karen Rees, Mgr Exploration							
Temex Resources Corp							
Suite 1000, 141 Adelaide St. West							
Toronto Ontario M5H 3L5							
Date sent: 14-Feb-06 40 samples JOB 195							
Client sample #	TeckLab Conc #	VIPI no	Start wt g	TBE float g	TBE sink g	MI float g	MI sink g
32128	H06-1160	10275	1258.0	1145.7	112.3	102.6	9.7
32129	H06-1161	10276	783.0	695.6	87.4	76.3	11.1
32130	H06-1162	10277	865.0	761.9	103.1	93.9	9.1
32131	H06-1163	10278	1144.0	1068.6	75.4	67.8	7.6
32132	H06-1164	10279	888.8	819.7	69.1	62.3	6.8
32133	H06-1165	10280	880.8	812.2	68.6	57.2	11.5
32134	H06-1166	10281	1124.0	1022.6	101.4	93.9	7.6
32135	H06-1167	10282	665.0	586.6	78.4	71.3	7.2
32136	H06-1168	10283	488.0	434.5	53.5	48.8	4.7
32137	H06-1169	10284	846.0	801.5	44.5	41.0	3.5
32138	H06-1170	10285	1086.0	991.6	94.4	88.9	5.5
40157	H06-1171	10286	1524.0	1276.3	247.7	242.7	4.6
40158	H06-1172	10287	1773.0	1646.3	126.7	113.8	12.6
40159	H06-1173	10288	351.0	286.3	64.7	60.7	4.0
40160	H06-1174	10289	859.0	738.8	120.2	112.4	7.7
40161	H06-1175	10290	1524.0	1429.1	94.9	84.8	10.1
40177	H06-1176	10291	891.0	778.6	112.4	63.6	48.6
40178	H06-1177	10292	1252.0	1166.5	85.5	74.4	11.1
40179	H06-1178	10293	1167.0	1119.2	47.8	44.2	3.4
40184	H06-1179	10294	1231.0	1206.1	24.9	23.0	1.9
40185	H06-1180	10295	822.0	781.4	40.6	37.0	3.5
40186	H06-1181	10296	837.0	783.0	54.0	49.1	4.9
40190	H06-1182	10297	824.0	751.6	72.4	66.1	6.4
40191	H06-1183	10298	1096.0	1061.2	34.8	27.0	7.9
40192	H06-1184	10299	422.0	371.6	50.4	42.6	7.9
40193	H06-1185	10300	536.0	507.7	28.3	25.7	2.6
40194	H06-1186	10301	618.0	586.9	31.1	28.6	2.6
40195	H06-1187	10302	1232.0	1180.6	51.4	45.1	6.3
40196	H06-1188	10303	1204.0	1060.9	143.1	69.8	73.8
40197	H06-1189	10304	1175.0	1151.2	23.8	19.5	4.2
40198	H06-1190	10305	958.0	949.9	8.1	6.7	1.3
40199	H06-1191	10306	1164.0	1123.4	40.6	37.6	3.0

<b>Client sample #</b>	<b>TeckLab Conc #</b>	<b>VIPI no</b>	<b>Start wt g</b>	<b>TBE float g</b>	<b>TBE sink g</b>	<b>MI float g</b>	<b>MI sink g</b>
40200	H06-1192	10307	1287.0	1269.7	17.3	15.1	2.2
40201	H06-1193	10308	671.0	656.3	14.7	13.0	1.7
40202	H06-1194	10309	372.0	356.0	16.0	14.8	1.2
40203	H06-1195	10310	873.0	773.9	99.1	88.8	10.5
40218	H06-1196	10311	1286.0	1162.5	123.5	113.4	10.3
40219	H06-1197	10312	1004.0	901.8	102.2	94.3	8.0
40220	H06-1198	10313	731.0	693.2	37.8	36.2	1.6
40221	H06-1199	10314	1088.0	1050.3	37.7	34.6	3.1

VIPI sample no	10275	10276	10277	10278	10279	10280	10281	10282	10283	10284
VIPI Job no	195	195	195	195	195	195	195	195	195	195
-0.86+0.25 mm concentrate no	H05-1160	H05-1161	H05-1162	H05-1163	H05-1164	H05-1165	H05-1166	H05-1167	H05-1168	H05-1169
Client Field no	<b>32128</b>	<b>32129</b>	<b>32130</b>	<b>32131</b>	<b>32132</b>	<b>32133</b>	<b>32134</b>	<b>32135</b>	<b>32136</b>	<b>32137</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
Screening weights										
As-received wt kg	14.39	12.21	13.36	13.38	11.18	10.86	11.67	11.10	10.90	9.96
+2 mm wet kg										
+0.86 mm wet kg	5.90	4.24	4.71	5.14	4.84	4.57	4.21	2.33	3.42	3.77
<b>-0.86+0.25 mm dry kg</b>	1.88	1.35	1.44	1.59	1.19	1.19	1.55	1.08	1.22	1.11
-0.25 mm dry kg	0.086	0.034	0.054	0.062	0.032	0.043	0.031	0.03	0.025	0.036
Magnetic Processing -0.86+0.25 mm										
Ferromagnetic fraction g										
Strongly magnetic fraction g	339	104	309	385	309	335	39	36	23	41
Weakly magnetic fraction g	919	680	557	761	580	546	1085	629	465	807
Non magnetic fraction g	534	530	523	379	269	268	394	385	709	222
Heavy Liquid processing -0.86+.25mm										
Start weight for heavy liquids g	1258.0	783.0	865.0	1144.0	888.8	880.8	1124.0	665.0	488.0	846.0
TBE(<2.96 SG) float g	1145.7	695.6	761.9	1068.6	819.7	812.2	1022.6	586.6	434.5	801.5
TBE(>2.96 SG) sink g	112.3	87.4	103.1	75.4	69.1	68.6	101.4	78.4	53.5	44.5
MI (<3.30 SG) float g	102.6	76.3	93.9	67.8	62.3	57.2	93.9	71.3	48.8	41.0
<b>MI(&gt;3.30 SG) sink g</b>	<b>9.7</b>	<b>11.1</b>	<b>9.1</b>	<b>7.6</b>	<b>6.8</b>	<b>11.5</b>	<b>7.6</b>	<b>7.2</b>	<b>4.7</b>	<b>3.5</b>
Work record										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06



VIPI sample no	10285	10286	10287	10288	10289	10290	10291	10292	10293	10294
VIPI Job no	195	195	195	195	195	195	195	195	195	195
-0.86+0.25 mm concentrate no	H05-1170	H05-1171	H05-1172	H05-1173	H05-1174	H05-1175	H05-1176	H05-1177	H05-1178	H05-1179
Client Field no	<b>32138</b>	<b>40157</b>	<b>40158</b>	<b>40159</b>	<b>40160</b>	<b>40161</b>	<b>40177</b>	<b>40178</b>	<b>40179</b>	<b>40184</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
Screening weights										
As-received wt kg	14.09	18.64	18.03	12.32	13.36	17.50	13.16	17.46	10.90	13.78
+2 mm wet kg										
+0.86 mm wet kg	3.75	4.22	8.82	8.15	3.60	7.98	3.86	7.28	3.16	5.99
<b>-0.86+0.25 mm dry kg</b>	1.76	1.86	2.85	0.51	1.73	2.18	1.10	1.58	1.42	1.45
-0.25 mm dry kg	0.114	0.127	0.092	0.001	0.098	0.061	0.038	0.035	0.064	0.04
Magnetic Processing -0.86+0.25 mm										
Ferromagnetic fraction g										
Strongly magnetic fraction g	56	61	121	25	61	66	64	67	51	48
Weakly magnetic fraction g	1031	1464	1654	326	799	1459	828	1187	1116	1184
Non magnetic fraction g	560	209	982	160	768	589	166	287	191	179
Heavy Liquid processing -0.86+.25mm										
Start weight for heavy liquids g	1086.0	1524.0	1773.0	351.0	859.0	1524.0	891.0	1252.0	1167.0	1231.0
TBE(<2.96 SG) float g	991.6	1276.3	1646.3	286.3	738.8	1429.1	778.6	1166.5	1119.2	1206.1
TBE(>2.96 SG) sink g	94.4	247.7	126.7	64.7	120.2	94.9	112.4	85.5	47.8	24.9
MI (<3.30 SG) float g	88.9	242.7	113.8	60.7	112.4	84.8	63.6	74.4	44.2	23.0
<b>MI(&gt;3.30 SG) sink g</b>	<b>5.5</b>	<b>4.6</b>	<b>12.6</b>	<b>4.0</b>	<b>7.7</b>	<b>10.1</b>	<b>48.6</b>	<b>11.1</b>	<b>3.4</b>	<b>1.9</b>
Work record										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06

VIPI sample no	10295	10296	10297	10298	10299	10300	10301	10302	10303	10304
VIPI Job no	195	195	195	195	195	195	195	195	195	195
<b>-0.86+0.25 mm concentrate no</b>	H05-1180	H05-1181	H05-1182	H05-1183	H05-1184	H05-1185	H05-1186	H05-1187	H05-1188	H05-1189
<b>Client Field no</b>	<b>40185</b>	<b>40186</b>	<b>40190</b>	<b>40191</b>	<b>40192</b>	<b>40193</b>	<b>40194</b>	<b>40195</b>	<b>40196</b>	<b>40197</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
<b>Screening weights</b>										
As-received wt kg	13.75	15.17	16.87	14.45	12.56	11.04	12.00	11.41	11.42	15.80
+2 mm wet kg										
+0.86 mm wet kg	3.77	5.03	3.84	5.12	8.93	2.38	3.47	4.99	6.98	2.73
<b>-0.86+0.25 mm dry kg</b>	1.06	1.05	1.11	1.30	0.56	0.74	0.94	1.60	1.44	1.53
-0.25 mm dry kg	0.043	0.033	0.03	0.055	0.006	0.026	0.04	0.064	0.059	0.098
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g										
Strongly magnetic fraction g	38	34	42	49	26	19	26	42	149	66
Weakly magnetic fraction g	785	803	783	1048	396	517	592	1191	1055	1109
Non magnetic fraction g	189	180	253	146	132	174	280	306	178	255
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	822.0	837.0	824.0	1096.0	422.0	536.0	618.0	1232.0	1204.0	1175.0
TBE(<2.96 SG) float g	781.4	783.0	751.6	1061.2	371.6	507.7	586.9	1180.6	1060.9	1151.2
TBE(>2.96 SG) sink g	40.6	54.0	72.4	34.8	50.4	28.3	31.1	51.4	143.1	23.8
MI (<3.30 SG) float g	37.0	49.1	66.1	27.0	42.6	25.7	28.6	45.1	69.8	19.5
<b>MI(&gt;3.30 SG) sink g</b>	<b>3.5</b>	<b>4.9</b>	<b>6.4</b>	<b>7.9</b>	<b>7.9</b>	<b>2.6</b>	<b>2.6</b>	<b>6.3</b>	<b>73.8</b>	<b>4.2</b>
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06

VIPI sample no	10305	10306	10307	10308	10309	10310	10311	10312	10313	10314
VIPI Job no	195	195	195	195	195	195	195	195	195	195
<b>-0.86+0.25 mm concentrate no</b>	H05-1190	H05-1191	H05-1192	H05-1193	H05-1194	H05-1195	H05-1196	H05-1197	H05-1198	H05-1199
<b>Client Field no</b>	<b>40198</b>	<b>40199</b>	<b>40200</b>	<b>40201</b>	<b>40202</b>	<b>40203</b>	<b>40218</b>	<b>40219</b>	<b>40220</b>	<b>40221</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
<b>Screening weights</b>										
As-received wt kg	11.72	14.38	13.53	10.98	10.73	13.34	14.55	12.28	12.99	12.43
+2 mm wet kg										
+0.86 mm wet kg	1.67	6.07	3.36	2.21	1.40	4.42	10.66	6.55	6.00	7.51
<b>-0.86+0.25 mm dry kg</b>	1.05	1.41	1.65	0.79	0.44	1.14	1.53	1.26	0.84	1.26
-0.25 mm dry kg	0.046	0.054	0.098	0.035	0.016	0.062	0.029	0.04	0.016	0.047
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g										
Strongly magnetic fraction g	19	64	26	21	10	68	81	55	67	63
Weakly magnetic fraction g	939	1101	1263	650	362	806	1205	949	666	1026
Non magnetic fraction g	45	190	264	86	53	201	208	212	87	119
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	958.0	1164.0	1287.0	671.0	372.0	873.0	1286.0	1004.0	731.0	1088.0
TBE(<2.96) SG) float g	949.9	1123.4	1269.7	656.3	356.0	773.9	1162.5	901.8	693.2	1050.3
TBE(>2.96 SG) sink g	8.1	40.6	17.3	14.7	16.0	99.1	123.5	102.2	37.8	37.7
MI (<3.30 SG) float g	6.7	37.6	15.1	13.0	14.8	88.8	113.4	94.3	36.2	34.6
<b>MI(&gt;3.30 SG) sink g</b>	<b>1.3</b>	<b>3.0</b>	<b>2.2</b>	<b>1.7</b>	<b>1.2</b>	<b>10.5</b>	<b>10.3</b>	<b>8.0</b>	<b>1.6</b>	<b>3.1</b>
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06	14-Feb-06

## VANCOUVER INDICATOR PROCESSORS INC

Lab: Unit 101, 6200 Darnley St, Burnaby ,BC, V5B 3B1 tel (604)294-9011  
Head Office: Suite 900, 475 Howe St, Vancouver, BC, V6C 2B3 tel (604)696-9266

To : Karen Rees, Mgr Expl/ Temex Resources Corp  
From: Peter LeCouteur / VIPI

Date 17-Feb-06

RE : HEAVY MINERAL CONCENTRATES VIPI Job no 196

Thank you for the opportunity to process your samples, and please find the following information attached for this work, which is now completed.

- 1 **Sample receipt sheet** showing some details of the shipment you sent
- 2 A brief **description and flow sheet** of sample processing methods
- 3 An *Excel* listing of **weight data** from heavy minerals concentration.
- 4 An **invoice** for concentrate processing at VIPI

Your sample numbers are included on the Excel listing

These samples were received at VIPI on **23-Jan-06**  
and were passed on for picking on **17-Feb-06**

The concentrates were sent to :

**KIMDYNAMICS, #802, 121 West 15th St, North Vancouver, BC, V7M 1R8 tel(604) 980-7853**

Yours sincerely,



P.C. LeCouteur, PhD, P.Eng, FGAC  
VIPI Lab Supervisor,

**SAMPLE RECEIVAL FORM**

**Vancouver Indicator Processors Inc**

Date received : 23-Jan-06

Client: Temex Resources

Job no assigned: 196 Start no 10316 Stop no 10348 Samples 33

Freight paid by VIPI? (enter \$) \$0.00 Trucking Co Manitoulin Waybill # 5977375

Packing list enclosed ? Y/N n Did contents match list? Y/N

Describe shipment 13 pallets with shrinkwrapped sacks

Was shipment in good condition? Y/N n Comment poorly packed, sacks torn & loose

**This job 194, 195 and 196 are priority #1 samples**

Any security measures? Y/N n Comment

Contact names: Karen Rees, Mgr Exploration

Address to invoice Temex Resources Corp Company

Suite 1000, 141 Adelaide St. West No, Street

Toronto City Ontario Prov M5H 3L5 Postal Code

tel (416) 862-2246 fax (416) 862-2244 email krees@temexcorp.com

Send concentrates to: KIMDYNAMICS, #802, 121 West 15th St, North Vancouver, BC, V7M 1R8 tel(604) 980-7853

Special instructions Collect slimes , results also to Paul Baxter, Victoria Yehl

Prepaid amt \$0.00

Received by JPN

**LIST TO ACCOMPANY CONCENTRATES FOR INDICATOR PICKING**

Sent from: VIPI , unit 101, 6200 Darnley St, Burnaby, BC, V5B 3B1

Tel (604) 294 9011, fax 294-9022, email vipi@telus.net

**Sent to:** KIMDYNAMICS, #802, 121 West 15th St, North Vancouver, BC, V7M 1R8 tel(604) 980-7853

**Client:** Karen Rees, Mgr Exploration

Temex Resources Corp

Suite 1000, 141 Adelaide St. West

Toronto

Ontario

M5H 3L5

**Date sent:** 17-Feb-06

33 samples

JOB

196

Client sample #	TeckLab Conc #	VIPI no	Start wt g	TBE float g	TBE sink g	MI float g	MI sink g
40222	H06-1200	10316	840.0	808.9	31.1	28.6	2.5
40223	H06-1201	10317	634.0	588.7	45.3	40.1	5.2
40224	H06-1202	10318	1360.0	1271.2	88.8	81.4	7.4
40225	H06-1203	10319	1281.0	1224.7	56.3	50.5	5.8
40226	H06-1204	10320	1077.0	1044.2	32.8	28.9	3.9
40227	H06-1205	10321	930.0	888.1	41.9	33.9	8.0
40228	H06-1206	10322	1237.0	1164.3	72.7	61.6	11.1
40229	H06-1207	10323	836.0	798.7	37.3	33.2	4.1
40230	H06-1208	10324	918.0	869.7	48.3	38.7	9.6
40231	H06-1209	10325	1486.0	1401.0	85.0	76.6	8.4
40232	H06-1210	10326	1145.0	1102.6	42.4	37.6	4.8
40233	H06-1211	10327	809.0	773.1	35.9	31.8	4.1
40234	H06-1212	10328	711.0	688.4	22.6	20.3	2.3
40235	H06-1213	10329	720.0	715.0	5.0	3.7	1.3
40236	H06-1214	10330	768.0	733.4	34.6	30.4	4.2
40237	H06-1215	10331	1170.0	1130.7	39.3	33.9	5.2
40238	H06-1216	10332	794.0	753.0	41.0	38.7	2.3
40239	H06-1217	10333	1861.0	1780.3	80.7	72.9	7.8
40240	H06-1218	10334	938.0	901.6	36.4	33.7	2.6
40241	H06-1219	10335	625.0	617.8	7.2	5.1	2.1
40242	H06-1220	10336	1522.0	1391.9	130.1	119.9	10.2
40243	H06-1221	10337	1106.0	1053.8	52.2	44.0	8.1
40362	H06-1222	10338	1118.0	1086.0	32.0	29.1	2.8
40363	H06-1223	10339	752.0	724.3	27.7	25.6	2.1
40364	H06-1224	10340	1053.0	994.2	58.8	54.5	4.2
40370	H06-1225	10341	835.0	780.1	54.9	49.9	5.0
40371	H06-1226	10342	880.0	838.5	41.5	38.4	3.0
40372	H06-1227	10343	675.0	657.8	17.2	14.8	2.3
40373	H06-1228	10344	712.0	679.9	32.1	29.9	2.1
40374	H06-1229	10345	863.0	823.3	39.7	36.6	3.0
40375	H06-1230	10346	886.0	846.8	39.2	34.9	4.2
40376	H06-1231	10347	198.0	196.5	1.5	1.4	0.0
40377	H06-1232	10348	458.0	441.5	16.5	15.3	1.1

VIPI sample no	10316	10317	10318	10319	10320	10321	10322	10323	10324	10325
VIPI Job no	196	196	196	196	196	196	196	196	196	196
-0.86+0.25 mm concentrate no	H05-1200	H05-1201	H05-1202	H05-1203	H05-1204	H05-1205	H05-1206	H05-1207	H05-1208	H05-1209
Client Field no	<b>40222</b>	<b>40223</b>	<b>40224</b>	<b>40225</b>	<b>40226</b>	<b>40227</b>	<b>40228</b>	<b>40229</b>	<b>40230</b>	<b>40231</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
<b>Screening weights</b>										
As-received wt kg	13.04	12.25	15.85	14.85	14.54	11.94	15.61	11.64	13.25	15.38
+2 mm wet kg										
+0.86 mm wet kg	6.82	6.11	9.43	8.07	7.00	4.54	9.95	4.95	7.86	9.00
<b>-0.86+0.25 mm dry kg</b>	0.94	0.75	1.61	1.50	1.27	1.10	1.37	1.07	1.10	1.72
-0.25 mm dry kg	0.028	0.022	0.026	0.065	0.037	0.036	0.02	0.032	0.025	0.028
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g										
Strongly magnetic fraction g	67	281	176	282	97	65	90	55	78	297
Weakly magnetic fraction g	773	353	1185	999	980	866	1149	782	841	1191
Non magnetic fraction g	70	91	222	152	154	125	109	193	158	203
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	840.0	634.0	1360.0	1281.0	1077.0	930.0	1237.0	836.0	918.0	1486.0
TBE(<2.96) SG) float g	808.9	588.7	1271.2	1224.7	1044.2	888.1	1164.3	798.7	869.7	1401.0
TBE(>2.96 SG) sink g	31.1	45.3	88.8	56.3	32.8	41.9	72.7	37.3	48.3	85.0
MI (<3.30 SG) float g	28.6	40.1	81.4	50.5	28.9	33.9	61.6	33.2	38.7	76.6
MI(>3.30 SG) sink g	2.5	5.2	7.4	5.8	3.9	8.0	11.1	4.1	9.6	8.4
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06

VIPI sample no	10326	10327	10328	10329	10330	10331	10332	10333	10334	10335
VIPI Job no	196	196	196	196	196	196	196	196	196	196
<b>-0.86+0.25 mm concentrate no</b>	H05-1210	H05-1211	H05-1212	H05-1213	H05-1214	H05-1215	H05-1216	H05-1217	H05-1218	H05-1219
<b>Client Field no</b>	<b>40232</b>	<b>40233</b>	<b>40234</b>	<b>40235</b>	<b>40236</b>	<b>40237</b>	<b>40238</b>	<b>40239</b>	<b>40240</b>	<b>40241</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
<b>Screening weights</b>										
As-received wt kg	12.30	14.98	11.41	13.04	12.13	14.67	13.16	14.82	14.03	11.68
+2 mm wet kg										
+0.86 mm wet kg	6.07	5.58	3.25	8.35	7.14	8.13	5.63	9.50	5.08	3.06
<b>-0.86+0.25 mm dry kg</b>	1.45	1.08	1.06	0.82	0.92	1.33	1.16	2.28	1.20	0.71
-0.25 mm dry kg	0.046	0.015	0.094	0.006	0.034	0.031	0.023	0.099	0.029	0.02
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g										
Strongly magnetic fraction g	105	57	42	75	109	92	46	159	64	24
Weakly magnetic fraction g	1040	752	670	645	659	1078	749	1703	875	603
Non magnetic fraction g	259	253	248	92	114	126	344	316	227	61
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	1145.0	809.0	711.0	720.0	768.0	1170.0	794.0	1861.0	938.0	625.0
TBE(<2.96) SG) float g	1102.6	773.1	688.4	715.0	733.4	1130.7	753.0	1780.3	901.6	617.8
TBE(>2.96 SG) sink g	42.4	35.9	22.6	5.0	34.6	39.3	41.0	80.7	36.4	7.2
MI (<3.30 SG) float g	37.6	31.8	20.3	3.7	30.4	33.9	38.7	72.9	33.7	5.1
<b>MI(&gt;3.30 SG) sink g</b>	<b>4.8</b>	<b>4.1</b>	<b>2.3</b>	<b>1.3</b>	<b>4.2</b>	<b>5.2</b>	<b>2.3</b>	<b>7.8</b>	<b>2.6</b>	<b>2.1</b>
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06



VIPI sample no	10336	10337	10338	10339	10340	10341	10342	10343	10344	10345
VIPI Job no	196	196	196	196	196	196	196	196	196	196
<b>-0.86+0.25 mm concentrate no</b>	H05-1220	H05-1221	H05-1222	H05-1223	H05-1224	H05-1225	H05-1226	H05-1227	H05-1228	H05-1229
<b>Client Field no</b>	<b>40242</b>	<b>40243</b>	<b>40362</b>	<b>40363</b>	<b>40364</b>	<b>40370</b>	<b>40371</b>	<b>40372</b>	<b>40373</b>	<b>40374</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
<b>Screening weights</b>										
As-received wt kg	14.24	14.31	12.99	10.02	13.29	12.83	12.00	15.98	13.02	13.85
+2 mm wet kg										
+0.86 mm wet kg	7.69	6.44	6.50	5.37	6.22	6.36	6.00	6.13	5.76	6.11
<b>-0.86+0.25 mm dry kg</b>	2.07	1.31	1.33	0.87	1.32	1.24	1.19	0.78	0.83	1.05
-0.25 mm dry kg	0.102	0.041	0.041	0.007	0.007	0.028	0.043	0.002	0.007	0.016
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g										
Strongly magnetic fraction g	93	68	69	43	85	65	84	53	46	95
Weakly magnetic fraction g	1430	1040	1051	710	969	771	796	623	666	769
Non magnetic fraction g	444	155	171	115	261	378	268	100	109	173
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	1522.0	1106.0	1118.0	752.0	1053.0	835.0	880.0	675.0	712.0	863.0
TBE(<2.96) SG) float g	1391.9	1053.8	1086.0	724.3	994.2	780.1	838.5	657.8	679.9	823.3
TBE(>2.96 SG) sink g	130.1	52.2	32.0	27.7	58.8	54.9	41.5	17.2	32.1	39.7
MI (<3.30 SG) float g	119.9	44.0	29.1	25.6	54.5	49.9	38.4	14.8	29.9	36.6
<b>MI(&gt;3.30 SG) sink g</b>	<b>10.2</b>	<b>8.1</b>	<b>2.8</b>	<b>2.1</b>	<b>4.2</b>	<b>5.0</b>	<b>3.0</b>	<b>2.3</b>	<b>2.1</b>	<b>3.0</b>
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06	17-Feb-06

VIPI sample no	10346	10347	10348
VIPI Job no	196	196	196
<b>-0.86+0.25 mm concentrate no</b>	H05-1230	H05-1231	H05-1232
<b>Client Field no</b>	<b>40375</b>	<b>40376</b>	<b>40377</b>
Client	Temex	Temex	Temex
<b>Screening weights</b>			
As-received wt kg	13.48	13.51	12.11
+2 mm wet kg			
+0.86 mm wet kg	7.53	0.63	5.55
<b>-0.86+0.25 mm dry kg</b>	1.07	0.22	0.55
-0.25 mm dry kg	0.033	0.008	0.012
<b>Magnetic Processing -0.86+0.25 mm</b>			
Ferromagnetic fraction g			
Strongly magnetic fraction g	73	28	55
Weakly magnetic fraction g	813	168	404
Non magnetic fraction g	148	11	76
<b>Heavy Liquid processing -0.86+.25mm</b>			
Start weight for heavy liquids g	886.0	198.0	458.0
TBE(<2.96) SG) float g	846.8	196.5	441.5
TBE(>2.96 SG) sink g	39.2	1.5	16.5
MI (<3.30 SG) float g	34.9	1.4	15.3
<b>MI(&gt;3.30 SG) sink g</b>	<b>4.2</b>	<b>0.01</b>	<b>1.1</b>
<b>Work record</b>			
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	17-Feb-06	17-Feb-06	17-Feb-06

**VANCOUVER INDICATOR PROCESSORS INC**

Head office : Suite 900, 475 Howe St, Vancouver, BC, Canada, V6C 2B3  
tel (604) 696-9266 fax (604) 684-9877

Laboratory : Unit 101, 6200 Darnley St, Burnaby, BC, Canada, V5B 3B1  
tel (604)294-9011, fax (604) 294-9022

To: Karen Rees, Mgr Exploration	REFERENCE: VIPI Job #	197
Temex Resources Corp	Date	20-Feb-06
Suite 1000, 141 Adelaide St. West		
Toronto	Ontari	M5H 3L5

**INVOICE**

Re : Preparation of heavy mineral concentrates

33 heavy mineral concentrates, standard processing (10% discount)	=	\$5,643.00
Additional costs, optional processing	=	\$255.00
GST @ 7% ( GST # 89729 3650 )	=	\$412.86
Subtotal	=	\$6,310.86
Add collect freight charges (receipt attached)	=	\$0.00
Add courier charges if outside Vancouver (rcpt attached)	=	\$0.00
Subtract prepaid amount	=	\$0.00
Total owing this invoice	=	\$6,310.86

Please make cheque payable to **Vancouver Indicator Processors Inc**, and mail to the **head office address** on the letterhead

Thank you.  
Yours sincerely,  
for **Vancouver Indicator Processors Inc**

Robert A. Evans, C.A.  
Director, VIPI

## SUMMARY OF COSTS

Standard processing	Number	Unit cost	Cost
Disaggregation and desliming of samples averaging 25 kg			
Wet screening at 0.86 and 0.25 mm			
Drying of <b>-0.86+0.25 mm</b> fraction			
Magnetic concentration of <b>-0.86+0.25 mm</b> fraction			
2 stage heavy liquid concentration of magnetic concentrate			
<b>TBE</b> (2.96 SG) up to 1 kg			
<b>MI</b> (3.30 SG) up to 150 g			
Production of heavy concentrate ( <b>&gt;3.30 SG</b> ) plus float ( <b>&lt;3.30&gt;2.96</b> )			
Delivery of concentrate (plus float and ferromags) to picker if in Vancouver area			
Disposal of all unrequired fractions, or collect shipment elsewhere			
Excel listing (paper and email) of weights of all fractions separated			
Description of methods and flow sheet for report purposes			
<b>Total =</b>	<b>33 @</b>	<b>\$ 171 \$</b>	<b>5,643.00</b>
<b>Optional procedures on request by client</b>			
Drying of till fines for geochemistry, delivery to any Vancouver lab	<b>33 @</b>	<b>\$ 5 \$</b>	<b>165.00</b>
Collection, drying, Au and 28 element analysis of till fines	<b>0 @</b>	<b>\$ 15 \$</b>	<b>-</b>
Retain and dry the -0.25 mm fraction (eg for fine gold)	<b>0 @</b>	<b>\$ 20 \$</b>	<b>-</b>
Per kg oversize sample charge if <b>average of shipment</b> is >25 kg	<b>0 @</b>	<b>\$ 4 \$</b>	<b>-</b>
Extra funnels of <b>TBE</b> for large samples (>1kg), per funnel	<b>3 @</b>	<b>\$ 30 \$</b>	<b>90.00</b>
Extra funnels of <b>MI</b> for large samples(>150 g), per funnel	<b>0 @</b>	<b>\$ 30 \$</b>	<b>-</b>
<b>Rebate</b> per funnel if only one heavy liquid used	<b>0 @</b>	<b>\$ 30 \$</b>	<b>-</b>
<b>Rebate</b> if no heavy liquids used	<b>0 @</b>	<b>\$ 30 \$</b>	<b>-</b>
Stage crushing 2-4 kg rock for extraction of indicator minerals	<b>0 @</b>	<b>\$ 15 \$</b>	<b>-</b>
Extraction of indicator minerals from crushed rock	<b>0 @</b>	<b>\$ 120 \$</b>	<b>-</b>
Partial leach of ferruginous concentrates per 100 g	<b>0 @</b>	<b>\$ 40 \$</b>	<b>-</b>
Processing of concentrate by Frantz Magnetic Separator	<b>0 @</b>	<b>varies</b>	<b>-</b>
<b>Total =</b>		<b>\$</b>	<b>255.00</b>
Courier charge if sent outside Vancouver. (at cost ,receipt attached)		<b>=</b>	

RECEIVED  
Feb 27/06

## VANCOUVER INDICATOR PROCESSORS INC

Lab: Unit 101, 6200 Darnley St, Burnaby ,BC, V5B 3B1 tel (604)294-9011  
Head Office: Suite 900, 475 Howe St, Vancouver, BC, V6C 2B3 tel (604)696-9266

To : Karen Rees, Mgr Expl/ Temex Resources Corp  
From: Peter LeCouteur / VIPI Date 20-Feb-06  
RE : HEAVY MINERAL CONCENTRATES VIPI Job no 197

Thank you for the opportunity to process your samples, and please find the following information attached for this work, which is now completed.

- 1 **Sample receipt sheet** showing some details of the shipment you sent
- 2 A brief **description and flow sheet** of sample processing methods
- 3 An *Excel* listing of **weight data** from heavy minerals concentration.
- 4 An **invoice** for concentrate processing at VIPI

Your sample numbers are included on the Excel listing

These samples were received at VIPI on **23-Jan-06**  
and were passed on for picking on **21-Feb-06**

The concentrates were sent to :  
**KIMDYNAMICS, #802, 121 West 15th St, North Vancouver, BC, V7M 1R8 tel(604) 980-7853**

Yours sincerely,



P.C. LeCouteur, PhD, P.Eng, FGAC  
VIPI Lab Supervisor,

**SAMPLE RECEIVAL FORM**

**Vancouver Indicator Processors Inc**  
Date received : 23-Jan-06

Client: Temex Resources

Job no assigned: 197 Start no 10350 Stop no 10384 Samples 33

2 samples missing 40454, 40481

Freight paid by VIPI? (enter \$) \$0.00 Trucking Co Manitoulin Waybill # 5977375

Packing list enclosed ? Y/N n Did contents match list? Y/N

Describe shipment 13 pallets with shrinkwrapped sacks

Was shipment in good condition? Y/N n Comment poorly packed, sacks torn & loose

Any security measures? Y/N n Comment

Contact names: Karen Rees, Mgr Exploration

Address to invoice Temex Resources Corp Company

Suite 1000, 141 Adelaide St. West No, Street

Toronto City Ontario Prov M5H 3L5 Postal Code

tel (416) 862-2246 fax (416) 862-2244 email krees@temexcorp.com

Send concentrates to: KIMDYNAMICS, #802, 121 West 15th St, North Vancouver, BC, V7M 1R8 tel(604) 980-7853

Special instructions Collect slimes , results also to Paul Baxter, Victoria Yehl

Prepaid amt \$0.00

Received by JPN

<b>LIST TO ACCOMPANY CONCENTRATES FOR INDICATOR PICKING</b>							
Sent from: <b>VIPI , unit 101, 6200 Darnley St, Burnaby, BC, V5B 3B1</b>							
Tel (604) 294 9011, fax 294-9022, email <a href="mailto:vipi@telus.net">vipi@telus.net</a>							
<b>Sent to: KIMDYNAMICS, #802, 121 West 15th St, North Vancouver, BC, V7M 1R8 tel(604) 980-7853</b>							
<b>Client: Karen Rees, Mgr Exploration</b>							
<b>Temex Resources Corp</b>							
<b>Suite 1000, 141 Adelaide St. West</b>							
<b>Toronto</b>				<b>Ontario</b>		<b>M5H 3L5</b>	
<b>Date sent: 21-Feb-06</b>		<b>35 samples</b>		<b>JOB</b>		<b>197</b>	
<b>Client sample #</b>	<b>TeckLab Conc #</b>	<b>VIPI no</b>	<b>Start wt g</b>	<b>TBE float g</b>	<b>TBE sink g</b>	<b>MI float g</b>	<b>MI sink g</b>
40448	H06-1383	10350	453.0	403.5	49.5	44.5	5.0
40449	H06-1384	10351	531.0	462.0	69.0	63.8	5.0
40450	H06-1385	10352	766.0	632.2	133.8	122.2	11.7
40451	H06-1386	10353	779.0	699.6	79.4	68.8	10.7
40452	H06-1387	10354	749.0	670.2	78.8	66.5	12.3
40453	H06-1388	10355	681.0	622.5	58.5	53.0	5.4
40454			<b>Missing</b>				
40455	H06-1389	10357	733.0	645.6	87.4	76.8	10.6
40456	H06-1390	10358	1550.0	1498.8	51.2	45.3	5.8
40457	H06-1391	10359	787.0	720.4	66.6	56.3	10.3
40458	H06-1392	10360	588.0	544.1	43.9	40.2	3.6
40459	H06-1393	10361	667.0	624.9	42.1	39.6	2.4
40460	H06-1394	10362	472.0	443.9	28.1	26.5	1.6
40461	H06-1395	10363	544.0	506.4	37.6	30.6	7.0
40462	H06-1396	10364	614.0	523.1	90.9	86.9	4.1
40463	H06-1397	10365	669.0	592.3	76.7	67.5	9.3
40464	H06-1398	10366	336.0	286.4	49.6	32.2	17.3
40465	H06-1399	10367	1084.0	852.0	232.0	226.8	4.8
40466	H06-1400	10368	639.0	546.7	92.3	74.8	17.4
40467	H06-1401	10369	617.0	507.6	109.4	88.4	21.0
40468	H06-1402	10370	610.0	537.5	72.5	52.0	20.6
40469	H06-1403	10371	845.0	794.6	50.4	38.6	11.8
40470	H06-1404	10372	567.0	477.5	89.5	82.8	6.7
40471	H06-1405	10373	658.0	603.2	54.8	49.2	5.4
40472	H06-1406	10374	825.0	758.7	66.3	62.1	4.2
40473	H06-1407	10375	619.0	565.9	53.1	48.1	5.0
40474	H06-1408	10376	504.0	459.7	44.3	41.4	2.9
40475	H06-1409	10377	779.0	743.3	35.7	32.7	2.8
40476	H06-1410	10378	995.0	899.5	95.5	87.7	7.6
40477	H06-1411	10379	548.0	495.6	52.4	44.4	8.0
40478	H06-1412	10380	1170.0	1124.5	45.5	42.0	3.5
40479	H06-1413	10381	264.0	241.6	22.4	20.2	2.2

Client	TeckLab	VIPI	Start wt	TBE float	TBE sink	MI float	MI sink
sample #	Conc #	no	g	g	g	g	g
40480	H06-1414	10382	571.0	509.4	61.6	51.6	9.9
40481			<b>Missing</b>				
40482	H06-1415	10384	366.0	319.9	46.1	42.0	4.0



VIPI sample no	10350	10351	10352	10353	10354	10355	10356	10357	10358	10359
VIPI Job no	197	197	197	197	197	197	197	197	197	197
<b>-0.86+0.25 mm concentrate no</b>	H05-1383	H05-1384	H05-1385	H05-1386	H05-1387	H05-1388		H05-1389	H05-1390	H05-1391
<b>Client Field no</b>	<b>40448</b>	<b>40449</b>	<b>40450</b>	<b>40451</b>	<b>40452</b>	<b>40453</b>	<b>40454</b>	<b>40455</b>	<b>40456</b>	<b>40457</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
<b>Screening weights</b>										
As-received wt kg	11.37	11.38	12.31	12.95	14.25	11.50	Missing	11.42	11.84	10.24
+2 mm wet kg										
+0.86 mm wet kg	2.81	3.35	7.66	3.89	4.77	2.23		4.70	3.01	2.97
<b>-0.86+0.25 mm dry kg</b>	1.32	1.55	2.27	2.10	2.17	1.66		1.82	2.91	2.15
-0.25 mm dry kg	0.021	0.028	0.109	0.073	0.093	0.081		0.033	0.197	0.049
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g								85	188	93
Strongly magnetic fraction g	55	52	113	85	111	82		648	1363	695
Weakly magnetic fraction g	398	479	654	695	639	600		1054	1156	1314
Non magnetic fraction g	845	993	1395	1246	1323	899				
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	453.0	531.0	766.0	779.0	749.0	681.0		733.0	1550.0	787.0
TBE(<2.96 SG) float g	403.5	462.0	632.2	699.6	670.2	622.5		645.6	1498.8	720.4
TBE(>2.96 SG) sink g	49.5	69.0	133.8	79.4	78.8	58.5		87.4	51.2	66.6
MI (<3.30 SG) float g	44.5	63.8	122.2	68.8	66.5	53.0		76.8	45.3	56.3
<b>MI(&gt;3.30 SG) sink g</b>	<b>5.0</b>	<b>5.0</b>	<b>11.7</b>	<b>10.7</b>	<b>12.3</b>	<b>5.4</b>		<b>10.6</b>	<b>5.8</b>	<b>10.3</b>
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06		23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	21-Feb-06	21-Feb-06	21-Feb-06	21-Feb-06	21-Feb-06	21-Feb-06		21-Feb-06	21-Feb-06	21-Feb-06

VIPI sample no	10360	10361	10362	10363	10364	10365	10366	10367	10368	10369
VIPI Job no	197	197	197	197	197	197	197	197	197	197
<b>-0.86+0.25 mm concentrate no</b>	H05-1392	H05-1393	H05-1394	H05-1395	H05-1396	H05-1397	H05-1398	H05-1399	H05-1400	H05-1401
<b>Client Field no</b>	<b>40458</b>	<b>40459</b>	<b>40460</b>	<b>40461</b>	<b>40462</b>	<b>40463</b>	<b>40464</b>	<b>40465</b>	<b>40466</b>	<b>40467</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
<b>Screening weights</b>										
As-received wt kg	11.16	14.58	12.05	10.78	10.98	11.26	10.58	11.99	10.39	11.55
+2 mm wet kg										
+0.86 mm wet kg	2.96	3.13	4.24	3.06	2.31	3.66	1.06	3.59	3.67	6.35
<b>-0.86+0.25 mm dry kg</b>	1.30	1.91	1.04	1.17	1.76	2.13	0.80	2.02	1.76	1.60
-0.25 mm dry kg	0.019	0.083	0.012	0.017	0.081	0.111	0.01	0.076	0.06	0.048
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g										
Strongly magnetic fraction g	74	61	37	79	93	83	46	50	82	55
Weakly magnetic fraction g	515	606	436	466	522	586	290	1035	558	562
Non magnetic fraction g	694	1160	557	608	1067	1347	450	862	1063	939
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	588.0	667.0	472.0	544.0	614.0	669.0	336.0	1084.0	639.0	617.0
TBE(<2.96) SG) float g	544.1	624.9	443.9	506.4	523.1	592.3	286.4	852.0	546.7	507.6
TBE(>2.96 SG) sink g	43.9	42.1	28.1	37.6	90.9	76.7	49.6	232.0	92.3	109.4
MI (<3.30 SG) float g	40.2	39.6	26.5	30.6	86.9	67.5	32.2	226.8	74.8	88.4
<b>MI(&gt;3.30 SG) sink g</b>	<b>3.6</b>	<b>2.4</b>	<b>1.6</b>	<b>7.0</b>	<b>4.1</b>	<b>9.3</b>	<b>17.3</b>	<b>4.8</b>	<b>17.4</b>	<b>21.0</b>
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	21-Feb-06	21-Feb-06	21-Feb-06	21-Feb-06	21-Feb-06	21-Feb-06	21-Feb-06	21-Feb-06	21-Feb-06	21-Feb-06

VIPI sample no	10370	10371	10372	10373	10374	10375	10376	10377	10378	10379
VIPI Job no	197	197	197	197	197	197	197	197	197	197
<b>-0.86+0.25 mm concentrate no</b>	H05-1402	H05-1403	H05-1404	H05-1405	H05-1406	H05-1407	H05-1408	H05-1409	H05-1410	H05-1411
<b>Client Field no</b>	<b>40468</b>	<b>40469</b>	<b>40470</b>	<b>40471</b>	<b>40472</b>	<b>40473</b>	<b>40474</b>	<b>40475</b>	<b>40476</b>	<b>40477</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
<b>Screening weights</b>										
As-received wt kg	10.68	10.25	10.65	11.92	11.80	11.24	11.10	11.07	10.20	11.56
+2 mm wet kg										
+0.86 mm wet kg	6.43	4.01	2.25	2.78	4.89	4.18	2.12	2.77	4.65	3.02
<b>-0.86+0.25 mm dry kg</b>	1.30	1.85	1.80	1.73	2.30	1.51	1.47	1.52	1.91	1.75
-0.25 mm dry kg	0.012	0.071	0.082	0.079	0.11	0.01	0.076	0.057	0.066	0.085
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g										
Strongly magnetic fraction g	86	99	69	56	50	36	38	162	32	23
Weakly magnetic fraction g	525	747	497	601	775	583	466	617	963	525
Non magnetic fraction g	674	933	1153	990	1375	875	890	681	852	1112
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	610.0	845.0	567.0	658.0	825.0	619.0	504.0	779.0	995.0	548.0
TBE(<2.96) SG) float g	537.5	794.6	477.5	603.2	758.7	565.9	459.7	743.3	899.5	495.6
TBE(>2.96 SG) sink g	72.5	50.4	89.5	54.8	66.3	53.1	44.3	35.7	95.5	52.4
MI (<3.30 SG) float g	52.0	38.6	82.8	49.2	62.1	48.1	41.4	32.7	87.7	44.4
<b>MI(&gt;3.30 SG) sink g</b>	<b>20.6</b>	<b>11.8</b>	<b>6.7</b>	<b>5.4</b>	<b>4.2</b>	<b>5.0</b>	<b>2.9</b>	<b>2.8</b>	<b>7.6</b>	<b>8.0</b>
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	21-Feb-06	21-Feb-06	21-Feb-06	21-Feb-06	21-Feb-06	21-Feb-06	21-Feb-06	21-Feb-06	21-Feb-06	21-Feb-06

VIPI sample no	10380	10381	10382	10383	10384
VIPI Job no	197	197	197	197	197
<b>-0.86+0.25 mm concentrate no</b>	H05-1412	H05-1413	H05-1414		H05-1415
<b>Client Field no</b>	<b>40478</b>	<b>40479</b>	<b>40480</b>	<b>40481</b>	<b>40482</b>
Client	Temex	Temex	Temex	Temex	Temex
<b>Screening weights</b>					
As-received wt kg	11.78	10.57	12.19	Missing	11.41
+2 mm wet kg					
+0.86 mm wet kg	4.46	2.44	3.08		2.97
<b>-0.86+0.25 mm dry kg</b>	2.39	0.84	1.95		1.30
-0.25 mm dry kg	0.17	0.014	0.108		0.052
<b>Magnetic Processing -0.86+0.25 mm</b>					
Ferromagnetic fraction g					
Strongly magnetic fraction g	57	28	27		44
Weakly magnetic fraction g	1115	236	544		322
Non magnetic fraction g	1050	564	1272		884
<b>Heavy Liquid processing -0.86+.25mm</b>					
Start weight for heavy liquids g	1170.0	264.0	571.0		366.0
TBE(<2.96) SG) float g	1124.5	241.6	509.4		319.9
TBE(>2.96 SG) sink g	45.5	22.4	61.6		46.1
MI (<3.30 SG) float g	42.0	20.2	51.6		42.0
<b>MI(&gt;3.30 SG) sink g</b>	<b>3.5</b>	<b>2.2</b>	<b>9.9</b>		<b>4.0</b>
<b>Work record</b>					
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06		23-Jan-06
Date concentrate shipped	21-Feb-06	21-Feb-06	21-Feb-06		21-Feb-06

**VANCOUVER INDICATOR PROCESSORS INC**

Head office : Suite 900, 475 Howe St, Vancouver, BC, Canada, V6C 2B3  
tel (604) 696-9266 fax (604) 684-9877

Laboratory : Unit 101, 6200 Darnley St, Burnaby, BC, Canada, V5B 3B1  
tel (604)294-9011, fax (604) 294-9022

To: Karen Rees, Mgr Exploration	REFERENCE: VIPI Job #	198
Temex Resources Corp	Date	09-Mar-06
Suite 1000, 141 Adelaide St. West		
Toronto	Ontari	M5H 3L5

**INVOICE**

**Re : Preparation of heavy mineral concentrates**

70 heavy mineral concentrates, standard processing (10% discount)	=	\$11,970.00
Additional costs, optional processing	=	\$1,520.00
GST @ 7% ( GST # 89729 3650 )	=	\$944.30
Subtotal	=	\$14,434.30
Add collect freight charges (receipt attached)	=	\$0.00
Add courier charges if outside Vancouver (rcpt attached)	=	\$0.00
Subtract prepaid amount	=	\$0.00
<b>Total owing this invoice</b>	<b>=</b>	<b>\$14,434.30</b>

**INCLUDES 10% discount**

Please make cheque payable to **Vancouver Indicator Processors Inc**, and mail to the **head office address** on the letterhead

Thank you.  
Yours sincerely,  
for **Vancouver Indicator Processors Inc**

Robert A. Evans, C.A.  
Director, VIPI

## SUMMARY OF COSTS

Standard processing	Number	Unit cost	Cost
Disaggregation and desliming of samples averaging 25 kg			
Wet screening at 0.86 and 0.25 mm			
Drying of <b>-0.86+0.25 mm</b> fraction			
Magnetic concentration of <b>-0.86+0.25 mm</b> fraction			
2 stage heavy liquid concentration of magnetic concentrate			
<b>TBE</b> (2.96 SG) up to 1 kg			
<b>MI</b> (3.30 SG) up to 150 g			
Production of heavy concentrate ( <b>&gt;3.30 SG</b> ) plus float ( <b>&lt;3.30&gt;2.96</b> )			
Delivery of concentrate (plus float and ferromags) to picker if in Vancouver area			
Disposal of all unrequired fractions, or collect shipment elsewhere			
<i>Excel</i> listing (paper and email) of weights of all fractions separated			
Description of methods and flow sheet for report purposes			
<b>Total =</b>	<b>70 @</b>	<b>\$ 171 \$</b>	<b>11,970.00</b>
<b>Optional procedures on request by client</b>			
Drying of till fines for geochemistry, delivery to any Vancouver lab	<b>70 @</b>	<b>\$ 5 \$</b>	<b>350.00</b>
Collection, drying, Au and 28 element analysis of till fines	<b>0 @</b>	<b>\$ 15 \$</b>	<b>-</b>
Retain and dry the -0.25 mm fraction (eg for fine gold)	<b>0 @</b>	<b>\$ 20 \$</b>	<b>-</b>
Per kg oversize sample charge if <b>average of shipment</b> is >25 kg	<b>0 @</b>	<b>\$ 4 \$</b>	<b>-</b>
Extra funnels of <b>TBE</b> for large samples (>1kg), per funnel	<b>34 @</b>	<b>\$ 30 \$</b>	<b>1,020.00</b>
Extra funnels of <b>MI</b> for large samples(>150 g), per funnel	<b>5 @</b>	<b>\$ 30 \$</b>	<b>150.00</b>
<b>Rebate</b> per funnel if only one heavy liquid used	<b>0 @</b>	<b>\$ 30 \$</b>	<b>-</b>
<b>Rebate</b> if no heavy liquids used	<b>0 @</b>	<b>\$ 30 \$</b>	<b>-</b>
Stage crushing 2-4 kg rock for extraction of indicator minerals	<b>0 @</b>	<b>\$ 15 \$</b>	<b>-</b>
Extraction of indicator minerals from crushed rock	<b>0 @</b>	<b>\$ 120 \$</b>	<b>-</b>
Partial leach of ferruginous concentrates per 100 g	<b>0 @</b>	<b>\$ 40 \$</b>	<b>-</b>
Processing of concentrate by Frantz Magnetic Separator	<b>0 @</b>	<b>varies</b>	
<b>Total =</b>		<b>\$</b>	<b>1,520.00</b>
Courier charge if sent outside Vancouver. (at cost ,receipt attached)		<b>=</b>	

## VANCOUVER INDICATOR PROCESSORS INC

Lab: Unit 101, 6200 Darnley St, Burnaby ,BC, V5B 3B1 tel (604)294-9011

Head Office: Suite 900, 475 Howe St, Vancouver, BC, V6C 2B3 tel (604)696-9266

To : Karen Rees, Mgr Expl/ Temex Resources Corp  
From: Peter LeCouteur / VIPI Date 09-Mar-06

RE : HEAVY MINERAL CONCENTRATES VIPI Job no 198

Thank you for the opportunity to process your samples, and please find the following information attached for this work, which is now completed.

- 1 **Sample receival sheet** showing some details of the shipment you sent
- 2 A brief **description and flow sheet** of sample processing methods
- 3 An *Excel* listing of **weight data** from heavy minerals concentration.
- 4 An **invoice** for concentrate processing at VIPI!

Your sample numbers are included on the Excel listing

These samples were received at VIPI on **23-Jan-06**  
and were passed on for picking on **08-Mar-06**

The concentrates were sent to :  
**KIMDYNAMICS, #802, 121 West 15th St, North Vancouver, BC, V7M 1R8 tel(604) 980-7853**

Yours sincerely,

P.C. LeCouteur, PhD, P.Eng, FGAC  
VIPI Lab Supervisor,

**SAMPLE RECEIVAL FORM**

**Vancouver Indicator Processors Inc**

Date received : 23-Jan-06

Client: Temex Resources

Job no assigned: 198 Start no 10386 Stop no 10455 Samples 70

Freight paid by VIPI? (enter \$) \$0.00 Trucking Co Manitoulin Waybill # 5977375

Packing list enclosed ? Y/N N Did contents match list? Y/N

Describe shipment 13 pallets with shrinkwrapped sacks

Was shipment in good condition? Y/N N Comment poorly packed, sacks torn & loose

Any security measures? Y/N N Comment

Contact names: Karen Rees, Mgr Exploration

Address to invoice Temex Resources Corp Company

Suite 1000, 141 Adelaide St. West No, Street

Toronto City Ontario Prov M5H 3L5 Postal Code

tel (416) 862-2246 fax (416) 862-2244 email krees@temexcorp.com

Send concentrates to: KIMDYNAMICS, #802, 121 West 15th St, North Vancouver, BC, V7M 1R8 tel(604) 980-7853

Special instructions Collect slimes , results also to Paul Baxter, Victoria Yehl

Prepaid amt \$0.00

Received by JPN



**LIST TO ACCOMPANY CONCENTRATES FOR INDICATOR PICKING**

Sent from: **VIPI , unit 101, 6200 Darnley St, Burnaby, BC, V5B 3B1**

**Tel (604) 294 9011, fax 294-9022, email vipi@telus.net**

**Sent to: KIMDYNAMICS, #802, 121 West 15th St, North Vancouver, BC, V7M 1R8 tel(604) 980-7853**

**Client: Karen Rees, Mgr Exploration  
Temex Resources Corp  
Suite 1000, 141 Adelaide St. West  
Toronto Ontario M5H 3L5**

**Date sent: 08-Mar-06 70 samples JOB 198**

<b>Client sample #</b>	<b>TeckLab Conc #</b>	<b>VIPI no</b>	<b>Start wt g</b>	<b>TBE float g</b>	<b>TBE sink g</b>	<b>MI float g</b>	<b>MI sink g</b>
32069	H06-1747	10386	1094.0	939.6	154.4	147.6	6.6
32070	H06-1748	10387	1477.0	1297.5	179.5	172.2	7.1
32071	H06-1749	10388	952.0	821.3	130.7	123.0	7.6
32072	H06-1750	10389	1609.0	1398.9	210.1	194.8	15.1
32097	H06-1751	10390	523.0	462.5	60.5	54.6	5.9
32098	H06-1752	10391	718.0	669.0	49.0	45.4	3.5
32099	H06-1753	10392	772.0	707.4	64.6	56.8	7.5
32100	H06-1754	10393	986.0	914.4	71.6	65.7	5.8
32101	H06-1755	10394	408.0	388.5	19.5	18.4	1.1
32102	H06-1756	10395	555.0	527.3	27.7	26.2	1.4
32103	H06-1757	10396	1590.0	1493.3	96.7	90.1	6.4
32106	H06-1758	10397	908.0	758.5	149.5	139.5	9.9
32107	H06-1759	10398	492.0	455.0	37.0	34.4	2.5
32108	H06-1760	10399	813.0	773.8	39.2	36.8	2.5
32109	H06-1761	10400	865.0	768.3	96.7	90.4	6.2
32110	H06-1762	10401	958.0	856.5	101.5	94.4	7.1
32111	H06-1763	10402	813.0	688.1	124.9	117.5	7.3
32114	H06-1764	10403	844.0	769.4	74.6	67.5	7.0
32115	H06-1765	10404	1264.0	1102.7	161.3	149.4	11.7
32116	H06-1766	10405	1029.0	921.6	107.4	97.3	10.1
32117	H06-1767	10406	853.0	764.0	89.0	80.0	8.9
32118	H06-1768	10407	810.0	664.5	145.5	135.7	9.7
32119	H06-1769	10408	858.0	733.2	124.8	114.1	10.5
32120	H06-1770	10409	1129.0	1029.5	99.5	91.8	7.5
32121	H06-1771	10410	1005.0	889.9	115.1	101.0	14.0
32122	H06-1772	10411	927.0	862.7	64.3	55.6	8.6
32123	H06-1773	10412	984.0	873.0	111.0	101.8	9.2
32127	H06-1774	10413	818.0	733.1	84.9	76.9	7.9
32139	H06-1775	10414	1561.0	1439.4	121.6	114.0	7.5
32140	H06-1776	10415	1730.0	1550.3	179.7	158.5	21.2
32141	H06-1777	10416	799.0	727.9	71.1	65.3	5.8
32142	H06-1778	10417	1415.0	1336.6	78.4	70.6	7.8

Client sample #	TeckLab Conc #	VIPI no	Start wt g	TBE float g	TBE sink g	MI float g	MI sink g
32143	H06-1779	10418	1231.0	1175.4	55.6	52.2	3.4
40258	H06-1780	10419	1400.0	1208.2	191.8	172.6	19.3
40259	H06-1781	10420	1023.0	928.9	94.1	82.6	11.5
40260	H06-1782	10421	1197.0	1126.8	70.2	61.0	9.1
40261	H06-1783	10422	1560.0	1343.6	216.4	200.6	15.8
40262	H06-1784	10423	939.0	851.3	87.7	82.5	5.2
40263	H06-1785	10424	1050.0	946.3	103.7	98.0	5.7
40271	H06-1786	10425	1416.0	1229.8	186.2	173.5	12.7
40272	H06-1787	10426	1292.0	1033.3	258.7	240.3	18.4
40273	H06-1788	10427	1031.0	916.9	114.1	104.3	9.7
40274	H06-1789	10428	930.0	836.9	93.1	84.4	8.6
40356	H06-1790	10429	717.0	633.0	84.0	79.3	4.6
40357	H06-1791	10430	1236.0	1020.5	215.5	203.1	12.2
40358	H06-1792	10431	745.0	636.0	109.0	97.4	11.6
40359	H06-1793	10432	1062.0	866.2	195.8	185.1	10.5
40360	H06-1794	10433	507.0	448.0	59.0	55.2	3.8
40361	H06-1795	10434	975.0	815.2	159.8	152.2	7.6
40401	H06-1796	10435	881.0	814.4	66.6	63.8	2.8
40403	H06-1797	10436	990.0	883.9	106.1	97.4	8.7
40404	H06-1798	10437	826.0	713.9	112.1	103.1	9.0
40405	H06-1799	10438	798.0	689.3	108.7	97.2	11.5
40406	H06-1800	10439	1186.0	1088.9	97.1	81.4	15.7
40407	H06-1801	10440	679.0	643.1	35.9	33.0	2.9
40408	H06-1802	10441	868.0	784.6	83.4	76.6	6.8
40409	H06-1803	10442	1087.0	977.1	109.9	98.7	11.2
40410	H06-1804	10443	717.0	660.7	56.3	49.2	7.1
40411	H06-1805	10444	825.0	802.2	22.8	20.8	1.9
40485	H06-1806	10445	2122.0	1996.9	125.1	110.0	15.2
40486	H06-1807	10446	924.0	834.0	90.0	74.0	16.2
40487	H06-1808	10447	1120.0	1050.4	69.6	62.5	7.1
40488	H06-1809	10448	1015.0	896.5	118.5	105.9	12.8
40492	H06-1810	10449	1082.0	999.8	82.2	72.3	10.0
40493	H06-1811	10450	1126.0	1035.1	90.9	77.1	13.9
40494	H06-1812	10451	1401.0	1260.8	140.2	130.4	10.2
40495	H06-1813	10452	1028.0	917.1	110.9	101.1	10.0
40496	H06-1814	10453	1477.0	1155.5	321.5	305.6	15.7
40497	H06-1815	10454	1251.0	1052.8	198.2	183.6	14.3
40500	H06-1816	10455	927.0	815.3	111.7	101.8	9.8

VIPI sample no	10386	10387	10388	10389	10390	10391	10392	10393	10394	10395
VIPI Job no	198	198	198	198	198	198	198	198	198	198
<b>-0.86+0.25 mm concentrate no</b>	H05-1747	H05-1748	H05-1749	H05-1750	H05-1751	H05-1752	H05-1753	H05-1754	H05-1755	H05-1756
<b>Client Field no</b>	<b>32069</b>	<b>32070</b>	<b>32071</b>	<b>32072</b>	<b>32097</b>	<b>32098</b>	<b>32099</b>	<b>32100</b>	<b>32101</b>	<b>32102</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
As-received wt kg	16.60	18.11	16.52	20.67	10.23	10.32	11.77	11.27	13.99	14.76
+2 mm wet kg										
+0.86 mm wet kg	3.61	7.65	6.74	8.28	2.76	5.09	4.11	4.51	2.52	9.03
<b>-0.86+0.25 mm dry kg</b>	2.13	2.37	1.52	2.61	0.91	0.99	1.23	1.57	0.77	0.75
-0.25 mm dry kg	0.078	0.115	0.042	0.145	0.031	0.023	0.048	0.088	0.061	0.039
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g										
Strongly magnetic fraction g	158	308	187	228	55	71	97	86	65	113
Weakly magnetic fraction g	938	1170	766	1382	469	647	675	900	343	442
Non magnetic fraction g	952	768	525	858	357	251	413	493	300	153
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	1094.0	1477.0	952.0	1609.0	523.0	718.0	772.0	986.0	408.0	555.0
TBE(<2.96) SG) float g	939.6	1297.5	821.3	1398.9	462.5	669.0	707.4	914.4	388.5	527.3
TBE(>2.96 SG) sink g	154.4	179.5	130.7	210.1	60.5	49.0	64.6	71.6	19.5	27.7
MI (<3.30 SG) float g	147.6	172.2	123.0	194.8	54.6	45.4	56.8	65.7	18.4	26.2
<b>MI(&gt;3.30 SG) sink g</b>	<b>6.6</b>	<b>7.1</b>	<b>7.6</b>	<b>15.1</b>	<b>5.9</b>	<b>3.5</b>	<b>7.5</b>	<b>5.8</b>	<b>1.1</b>	<b>1.4</b>
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06

VIPI sample no	10396	10397	10398	10399	10400	10401	10402	10403	10404	10405
VIPI Job no	198	198	198	198	198	198	198	198	198	198
-0.86+0.25 mm concentrate no	H05-1757	H05-1758	H05-1759	H05-1760	H05-1761	H05-1762	H05-1763	H05-1764	H05-1765	H05-1766
Client Field no	<b>32103</b>	<b>32106</b>	<b>32107</b>	<b>32108</b>	<b>32109</b>	<b>32110</b>	<b>32111</b>	<b>32114</b>	<b>32115</b>	<b>32116</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
As-received wt kg	17.16	12.19	11.17	10.69	15.13	16.05	14.94	9.87	15.38	15.79
+2 mm wet kg										
+0.86 mm wet kg	9.37	5.97	4.87	5.80	4.34	5.23	4.22	4.38	4.76	9.37
<b>-0.86+0.25 mm dry kg</b>	2.23	1.42	0.75	1.07	1.68	1.58	1.46	1.21	2.05	1.57
-0.25 mm dry kg	0.048	0.039	0.059	0.032	0.051	0.042	0.07	0.04	0.147	0.027
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g										
Strongly magnetic fraction g	127	118	34	93	111	104	128	119	236	131
Weakly magnetic fraction g	1463	791	458	721	755	855	685	726	1030	899
Non magnetic fraction g	591	471	202	222	761	575	580	326	639	512
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	1590.0	908.0	492.0	813.0	865.0	958.0	813.0	844.0	1264.0	1029.0
TBE(<2.96) SG) float g	1493.3	758.5	455.0	773.8	768.3	856.5	688.1	769.4	1102.7	921.6
TBE(>2.96 SG) sink g	96.7	149.5	37.0	39.2	96.7	101.5	124.9	74.6	161.3	107.4
MI (<3.30 SG) float g	90.1	139.5	34.4	36.8	90.4	94.4	117.5	67.5	149.4	97.3
<b>MI(&gt;3.30 SG) sink g</b>	<b>6.4</b>	<b>9.9</b>	<b>2.5</b>	<b>2.5</b>	<b>6.2</b>	<b>7.1</b>	<b>7.3</b>	<b>7.0</b>	<b>11.7</b>	<b>10.1</b>
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06

VIPI sample no	10406	10407	10408	10409	10410	10411	10412	10413	10414	10415
VIPI Job no	198	198	198	198	198	198	198	198	198	198
<b>-0.86+0.25 mm concentrate no</b>	H05-1767	H05-1768	H05-1769	H05-1770	H05-1771	H05-1772	H05-1773	H05-1774	H05-1775	H05-1776
<b>Client Field no</b>	<b>32117</b>	<b>32118</b>	<b>32119</b>	<b>32120</b>	<b>32121</b>	<b>32122</b>	<b>32123</b>	<b>32127</b>	<b>32139</b>	<b>32140</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
As-received wt kg	15.02	17.38	13.13	17.80	12.80	15.68	11.38	10.73	16.50	17.71
+2 mm wet kg										
+0.86 mm wet kg	3.81	3.55	3.64	5.91	3.92	6.23	4.29	4.00	5.14	7.43
<b>-0.86+0.25 mm dry kg</b>	1.30	1.92	1.81	1.62	1.71	1.36	1.38	1.19	2.21	2.33
-0.25 mm dry kg	0.032	0.086	0.09	0.047	0.099	0.047	0.054	0.048	0.057	0.148
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g										
Strongly magnetic fraction g	97	107	110	112	116	104	176	91	201	306
Weakly magnetic fraction g	756	703	749	1018	889	824	808	728	1361	1425
Non magnetic fraction g	409	1020	855	443	600	382	343	323	583	453
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	853.0	810.0	858.0	1129.0	1005.0	927.0	984.0	818.0	1561.0	1730.0
TBE(<2.96 SG) float g	764.0	664.5	733.2	1029.5	889.9	862.7	873.0	733.1	1439.4	1550.3
TBE(>2.96 SG) sink g	89.0	145.5	124.8	99.5	115.1	64.3	111.0	84.9	121.6	179.7
MI (<3.30 SG) float g	80.0	135.7	114.1	91.8	101.0	55.6	101.8	76.9	114.0	158.5
<b>MI(&gt;3.30 SG) sink g</b>	<b>8.9</b>	<b>9.7</b>	<b>10.5</b>	<b>7.5</b>	<b>14.0</b>	<b>8.6</b>	<b>9.2</b>	<b>7.9</b>	<b>7.5</b>	<b>21.2</b>
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06

VIPI sample no	10416	10417	10418	10419	10420	10421	10422	10423	10424	10425
VIPI Job no	198	198	198	198	198	198	198	198	198	198
<b>-0.86+0.25 mm concentrate no</b>	H05-1777	H05-1778	H05-1779	H05-1780	H05-1781	H05-1782	H05-1783	H05-1784	H05-1785	H05-1786
<b>Client Field no</b>	<b>32141</b>	<b>32142</b>	<b>32143</b>	<b>40258</b>	<b>40259</b>	<b>40260</b>	<b>40261</b>	<b>40262</b>	<b>40263</b>	<b>40271</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
As-received wt kg	12.37	15.47	12.67	16.92	12.38	17.83	15.15	11.49	13.27	14.74
+2 mm wet kg										
+0.86 mm wet kg	3.81	6.47	5.73	8.72	5.46	5.58	12.32	9.02	9.27	6.46
<b>-0.86+0.25 mm dry kg</b>	1.25	1.83	1.61	3.46	1.80	1.76	2.26	1.24	1.21	2.71
-0.25 mm dry kg	0.035	0.07	0.044	0.164	0.044	0.093	0.029	0.032	0.016	0.154
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g										
Strongly magnetic fraction g	83	177	81	181	159	113	204	296	434	202
Weakly magnetic fraction g	718	1239	1151	1220	864	1084	1357	643	617	1215
Non magnetic fraction g	416	336	328	1889	733	473	672	265	141	1137
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	799.0	1415.0	1231.0	1400.0	1023.0	1197.0	1560.0	939.0	1050.0	1416.0
TBE(<2.96 SG) float g	727.9	1336.6	1175.4	1208.2	928.9	1126.8	1343.6	851.3	946.3	1229.8
TBE(>2.96 SG) sink g	71.1	78.4	55.6	191.8	94.1	70.2	216.4	87.7	103.7	186.2
MI (<3.30 SG) float g	65.3	70.6	52.2	172.6	82.6	61.0	200.6	82.5	98.0	173.5
<b>MI(&gt;3.30 SG) sink g</b>	<b>5.8</b>	<b>7.8</b>	<b>3.4</b>	<b>19.3</b>	<b>11.5</b>	<b>9.1</b>	<b>15.8</b>	<b>5.2</b>	<b>5.7</b>	<b>12.7</b>
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06

VIPI sample no	10426	10427	10428	10429	10430	10431	10432	10433	10434	10435
VIPI Job no	198	198	198	198	198	198	198	198	198	198
<b>-0.86+0.25 mm concentrate no</b>	H05-1787	H05-1788	H05-1789	H05-1790	H05-1791	H05-1792	H05-1793	H05-1794	H05-1795	H05-1796
<b>Client Field no</b>	<b>40272</b>	<b>40273</b>	<b>40274</b>	<b>40356</b>	<b>40357</b>	<b>40358</b>	<b>40359</b>	<b>40360</b>	<b>40361</b>	<b>40401</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
As-received wt kg	14.80	10.76	12.88	10.48	10.95	11.56	14.35	12.41	11.71	9.79
+2 mm wet kg										
+0.86 mm wet kg	6.78	4.34	3.14	2.76	5.62	3.96	5.20	3.24	2.87	3.47
<b>-0.86+0.25 mm dry kg</b>	3.02	2.00	2.07	1.18	2.10	1.10	1.98	0.87	1.71	1.43
-0.25 mm dry kg	0.156	0.107	0.104	0.065	0.082	0.046	0.07	0.032	0.107	0.099
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g										
Strongly magnetic fraction g	145	147	100	112	141	93	109	56	96	83
Weakly magnetic fraction g	1148	885	831	605	1097	652	955	451	880	798
Non magnetic fraction g	1572	855	1031	396	782	305	846	326	622	451
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	1292.0	1031.0	930.0	717.0	1236.0	745.0	1062.0	507.0	975.0	881.0
TBE(<2.96) SG) float g	1033.3	916.9	836.9	633.0	1020.5	636.0	866.2	448.0	815.2	814.4
TBE(>2.96 SG) sink g	258.7	114.1	93.1	84.0	215.5	109.0	195.8	59.0	159.8	66.6
MI (<3.30 SG) float g	240.3	104.3	84.4	79.3	203.1	97.4	185.1	55.2	152.2	63.8
<b>MI(&gt;3.30 SG) sink g</b>	<b>18.4</b>	<b>9.7</b>	<b>8.6</b>	<b>4.6</b>	<b>12.2</b>	<b>11.6</b>	<b>10.5</b>	<b>3.8</b>	<b>7.6</b>	<b>2.8</b>
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06

VIPI sample no	10436	10437	10438	10439	10440	10441	10442	10443	10444	10445
VIPI Job no	198	198	198	198	198	198	198	198	198	198
<b>-0.86+0.25 mm concentrate no</b>	H05-1797	H05-1798	H05-1799	H05-1800	H05-1801	H05-1802	H05-1803	H05-1804	H05-1805	H05-1806
<b>Client Field no</b>	<b>40403</b>	<b>40404</b>	<b>40405</b>	<b>40406</b>	<b>40407</b>	<b>40408</b>	<b>40409</b>	<b>40410</b>	<b>40411</b>	<b>40485</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
As-received wt kg	12.45	11.48	10.50	11.95	9.59	10.53	10.29	9.61	10.30	23.77
+2 mm wet kg										
+0.86 mm wet kg	5.38	4.23	4.90	4.38	3.33	3.88	4.61	4.71	5.87	12.43
<b>-0.86+0.25 mm dry kg</b>	1.45	1.36	1.25	1.62	0.95	1.32	1.43	1.04	1.03	3.27
-0.25 mm dry kg	0.048	0.052	0.041	0.04	0.022	0.025	0.039	0.013	0.015	0.098
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g										
Strongly magnetic fraction g	114	85	92	172	106	113	164	99	144	193
Weakly magnetic fraction g	877	742	708	1015	574	756	924	619	682	1872
Non magnetic fraction g	408	478	410	393	250	425	302	313	185	1108
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	990.0	826.0	798.0	1186.0	679.0	868.0	1087.0	717.0	825.0	2122.0
TBE(<2.96) SG) float g	883.9	713.9	689.3	1088.9	643.1	784.6	977.1	660.7	802.2	1996.9
TBE(>2.96 SG) sink g	106.1	112.1	108.7	97.1	35.9	83.4	109.9	56.3	22.8	125.1
MI (<3.30 SG) float g	97.4	103.1	97.2	81.4	33.0	76.6	98.7	49.2	20.8	110.0
<b>MI(&gt;3.30 SG) sink g</b>	<b>8.7</b>	<b>9.0</b>	<b>11.5</b>	<b>15.7</b>	<b>2.9</b>	<b>6.8</b>	<b>11.2</b>	<b>7.1</b>	<b>1.9</b>	<b>15.2</b>
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06



VIPI sample no	10446	10447	10448	10449	10450	10451	10452	10453	10454	10455
VIPI Job no	198	198	198	198	198	198	198	198	198	198
<b>-0.86+0.25 mm concentrate no</b>	H05-1807	H05-1808	H05-1809	H05-1810	H05-1811	H05-1812	H05-1813	H05-1814	H05-1815	H05-1816
<b>Client Field no</b>	<b>40486</b>	<b>40487</b>	<b>40488</b>	<b>40492</b>	<b>40493</b>	<b>40494</b>	<b>40495</b>	<b>40496</b>	<b>40497</b>	<b>40500</b>
Client	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex	Temex
As-received wt kg	16.06	19.20	15.87	16.50	18.32	15.71	13.05	15.69	16.43	18.48
+2 mm wet kg										
+0.86 mm wet kg	7.63	8.97	6.17	6.18	7.54	5.50	4.63	4.87	6.63	9.85
<b>-0.86+0.25 mm dry kg</b>	1.66	1.70	1.91	1.93	1.68	2.50	2.27	3.40	2.43	1.97
-0.25 mm dry kg	0.048	0.035	0.032	0.065	0.093	0.083	0.113	0.053	0.089	0.07
<b>Magnetic Processing -0.86+0.25 mm</b>										
Ferromagnetic fraction g										
Strongly magnetic fraction g	108	129	139	125	206	184	127	223	206	137
Weakly magnetic fraction g	817	992	878	958	921	1218	902	1255	1045	791
Non magnetic fraction g	691	539	857	784	461	1015	1124	1871	1090	970
<b>Heavy Liquid processing -0.86+.25mm</b>										
Start weight for heavy liquids g	924.0	1120.0	1015.0	1082.0	1126.0	1401.0	1028.0	1477.0	1251.0	927.0
TBE(<2.96) SG) float g	834.0	1050.4	896.5	999.8	1035.1	1260.8	917.1	1155.5	1052.8	815.3
TBE(>2.96 SG) sink g	90.0	69.6	118.5	82.2	90.9	140.2	110.9	321.5	198.2	111.7
MI (<3.30 SG) float g	74.0	62.5	105.9	72.3	77.1	130.4	101.1	305.6	183.6	101.8
<b>MI(&gt;3.30 SG) sink g</b>	<b>16.2</b>	<b>7.1</b>	<b>12.8</b>	<b>10.0</b>	<b>13.9</b>	<b>10.2</b>	<b>10.0</b>	<b>15.7</b>	<b>14.3</b>	<b>9.8</b>
<b>Work record</b>										
Date sample received	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06	23-Jan-06
Date concentrate shipped	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06	08-Mar-06

*Client: Peregrine Diamonds Ltd.*

**To:** Karen Rees, Mgr exploration, Temex Resources corp., Suite 1000, 141  
Adelaide St. West, Toronto, Ontario, M5H 3L5

**From:** Maja Kiridzija Mineralogist, KIM Dynamics Inc., #802-West 15<sup>th</sup> Street,  
North Vancouver, B.C. V7M 1R8

**Date:** March 9, 2006

**Invoice 1**

**REPORT ON THE PROCEDURE AND RESULTS  
OF THE 113 OBSERVED SAMPLE CONCENTRATES (Priority 1)**

PROCEDURE

The 113 heavy mineral concentrates arrived at KIM Dynamics laboratory for the observation on Kimberlitic Indicator Minerals (KIM) on February 17, 2006 from VIP Laboratory as part of the Jobs # 194, 195 and 196.

Before the observation, each of the 113 heavy mineral concentrates was washed in ultrasonic bath and sieved through two, 0.3mm and 0.25mm (<10g of concentrate) or four mesh sizes, 0.5mm, 0.4mm, 0.3mm and 0.25mm (>10g of concentrate) in order to provide better focusing under the binocular microscope. This procedure produced three, +0.3mm, +0.25mm, and "<0.25" and "HM" or five separate bags, +0.5mm, +0.4mm, +0.3mm, +0.25mm, and "<0.25" and "HM" for each sample concentrate.

All bags were weighted and weights were recorded on the right corners of the plastic bags. The size fractions, +0.5, +0.4, +0.3 and +0.25mm of all 113 concentrates were observed under the binocular microscope in order to extract any possible kimberlitic indicator mineral. The "<0.25mm" size fractions and "HM" portions were not observed.

All collected KIM and possible KIM were placed on the labeled mineral cards and stored into the plastic folder (kept in the KIM Dynamics office until further notice). The grains that were picked from the concentrates and rejected as KIM or possible KIM were stored together with collected KIM in the plastic folder on the indicator cards marked "rejected".

The mineral concentrates labeled “floats” were not screened or observed under the binocular microscope.

The sample data sheets recorded all information on weights, kimberlitic indicator minerals and comments for each observed sample.

## RESULTS

Total of 320.9g of heavy mineral concentrates was observed. The total of 379 peridotitic garnets, 53 possible eclogitic garnet, 1494 picroilmenites, 2271 chromites, 91 chrome diopside and 19 olivine was extracted from the examined sample concentrates.

**Peridotitic garnets** are subrounded to subangular shapes and pale pink purple to reddish colors. Some peridotitic garnets have thin patches of kelyphitic rims.

**Eclogitic garnets** are subrounded to subangular shapes and pale orange colors. All grains need testing to be confirmed as KIM.

**Picroilmenites** are subrounded, polygranular or fractured. Subrounded picroilmenites have coarse, “bumpy” surfaces covered with thin white coatings. Some grains are fractured with or without preserved surfaces. About 30% of all collected picroilmenites are polygranular/polycrystalline morphologies.

**Chromites** are rounded and octahedrons with coarse, matte or polished surfaces. Some of the grains may be non-kimberlitic. Note that sample 40157 contained over 1000 chromite that are probably from non-kimberlitic source.

**Chrome diopsides** are light green colors and subangular to subrounded shapes. Some of these grains may be from non-kimberlitic source.

**Olivines** are rounded shapes and light beige colors. Some grains have resorption features on the surfaces suggesting kimberlitic origin.

The background of the observed sample concentrates consists mainly of pyroxene, rock fragments, amphibole, epidote and hematite. The other minerals present in concentrates are sphene, staurolite, kyanite, monazite, corundum, etc. A few samples contain trace amounts of pyrite and chalcopyrite. Sample 40232 contained a few grains of sapphire (blue corundum).

## QUALITY CONTROL

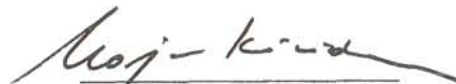
As part of the standard quality control about 11% of all observed samples in this batch were double observed by different observer. Samples that were double observed were highlighted in blue on the attached table “The results of the observation”.

Total of 13 out of 113 sample concentrates passed double observation. Total of 462 KIM and possible KIM were recovered in the first observation and total of 105 KIM and possible KIM were recovered in second observation.

The total recovery rate for this batch of samples is **81.5%**. The table below shows details for each sample.

The table of Quality Control results

#	Client #	First observation (number of grains)	Second observation (number of grains)	Recovery rate (%)
1	32131	266	30	89.9
2	32135	5	0	100.0
3	40161	44	12	78.6
4	40186	15	7	68.2
5	40218	3	9	25.0
6	40362	3	6	33.3
7	40374	10	4	71.4
8	32014	11	1	91.7
9	32016	8	0	100.0
10	32018	29	11	72.5
11	32030	9	11	45.0
12	32035	36	8	81.8
13	32036	23	6	79.3
<b>TOTALS</b>		462	105	<b>81.5</b>



Maja Kiridzija M.Sc.  
KIM Dynamics Inc.

#	Client #	TeckLab #	Job #	Weight (g)		KIM						Hours spent on picking (h)	Background	
				Picked (>0.25mm)	Not picked (HM +<0.25mm)	Peridotitic garnet	Eclogitic garnet	Picroilmenite	Chromite	Chrome diopside	Olivine			Total
1	32128	H06-1160	195	5.5	4.1	14		13	8			35	3	
2	32129	H06-1161	195	6.1	4.8	19		66	2			87	4	
3	32130	H06-1162	195	5.0	3.5	2		23	7			32	3.8	
4	32131	H06-1163	195	4.3	3.4	36	7	235	15	3		296	5.2	
5	32132	H06-1164	195	3.1	3.5	29	6	76	6			117	4.5	
6	32133	H06-1165	195	4.3	7.1	10		57	5			72	3	
7	32134	H06-1166	195	3.6	4.0	1		1	7			9	1.8	
8	32135	H06-1167	195	3.9	3.1			1	4			5	2	
9	32136	H06-1168	195	3.3	1.3	1	1	9	8		1	20	2	
10	32137	H06-1169	195	1.7	1.6	1		5	5			11	2.2	
11	32138	H06-1170	195	3.5	1.9	6		4	2	1		13	2.5	
12	40157	H06-1171	195	2.7	1.9	2		4	1466			1472	6	
13	40158	H06-1172	195	6.3	6.0	21		49	39	1		110	4.5	
14	40159	H06-1173	195	2.2	1.8			1	1			2	1.1	
15	40160	H06-1174	195	4.2	3.5	4		7	8	1		20	3	
16	40161	H06-1175	195	4.9	4.6	11		29	15	1		56	3	
17	40177	H06-1176	195	4.2	5.1			5	2			7	2.2	
18	40178	H06-1177	195	4.5	6.5	5	1	13	12	1		32	3	
19	40179	H06-1178	195	1.3	1.7	3		4	4			11	1	
20	40184	H06-1179	195	0.6	1.0	3		1	3			7	0.5	
21	40185	H06-1180	195	1.7	1.8	2	1	8	3			14	1.5	
22	40186	H06-1181	195	2.7	2.2	3		12	5	2		22	2.5	
23	40190	H06-1182	195	3.2	3.2	2		22	14			38	2.5	
24	40191	H06-1183	195	2.2	5.2	1		2	5			8	1.3	
25	40192	H06-1184	195	3.9	4.0	2		35	14		1	52	3.2	pyrite/chaico pyrite

#	Client #	TeckLab #	Job #	Weight (g)		KIM							Hours spent on picking (h)	Background
				Picked (>0.25mm)	Not picked (HM +<0.25mm)	Peridotitic garnet	Eclogitic garnet	Picroilmenite	Chromite	Chrome diopside	Olivine	Total		
26	40193	H06-1185	195	1.6	1.1	1		5	2			8	1.2	
27	40194	H06-1186	195	1.6	1.1	1		2	3			6	1	
28	40195	H06-1187	195	2.9	3.1	3	1	21	24	3	1	53	3.3	
29	40196	H06-1188	195	13.5	1.4							0	5.1	
30	40197	H06-1189	195	1.2	2.5	4	2	12	5			23	1.2	
31	40198	H06-1190	195	0.4	0.7							0	0.3	
32	40199	H06-1191	195	1.4	1.4	3	2	4	6			15	1.2	
33	40200	H06-1192	195	0.7	1.1	1		1	7			9	1	
34	40201	H06-1193	195	0.7	0.8			1	1			2	0.5	
35	40202	H06-1194	195	0.6	0.3							0	0.5	
36	40203	H06-1195	195	3.4	7.1				2			2	1.6	
37	40218	H06-1196	195	5.5	4.6	4		6	2			12	3	
38	40219	H06-1197	195	4.1	3.9				1			1	2	
39	40220	H06-1198	195	1.3	0.3			1	2		1	4	1	
40	40221	H06-1199	195	1.6	1.6				9			9	1	
41	40222	H06-1200	196	1.0	1.3							0	0.5	
42	40223	H06-1201	196	2.5	2.6			2	2			4	1	
43	40224	H06-1202	196	4.0	3.4	3		1	10			14	2.5	
44	40225	H06-1203	196	2.6	3.2		1	3	13			17	1.5	pyrite/chalco pyrite
45	40226	H06-1204	196	1.8	2.0	2		7	4	2		15	1.2	
46	40227	H06-1205	196	1.7	5.7	2		4	5			11	1	
47	40228	H06-1206	196	4.2	6.7	2		8	2	1		13	2.3	
48	40229	H06-1207	196	2.0	2.0	1	1	3	7			12	1	
49	40230	H06-1208	196	4.0	5.4	2		12	9			23	2.3	
50	40231	H06-1209	196	4.3	4.0	1		9	8			18	2.5	
51	40232	H06-1210	196	2.2	2.4			4	12	1		17	1.2	sapphire
52	40233	H06-1211	196	2.6	1.3	1	1	8	12	1		23	2	

#	Client #	TeckLab #	Job #	Weight (g)		KIM							Hours spent on picking (h)	Background
				Picked (>0.25mm)	Not picked (HM +<0.25mm)	Peridotitic garnet	Eclogitic garnet	Picrollmenite	Chromite	Chrome diopside	Olivine	Total		
53	40234	H06-1212	196	1.1	1.0	3	1	7	8			19	1.2	
54	40235	H06-1213	196	0.7	0.5			1	1			2	0.5	pyrite/chalco pyrite
55	40236	H06-1214	196	2.2	1.9	1		4	10			15	1.3	
56	40237	H06-1215	196	2.0	3.1			3	3			6	1.2	
57	40238	H06-1216	196	1.5	0.8	1		3	6	1		11	1.5	
58	40239	H06-1217	196	4.1	3.5	6	2	25	13			46	3.5	
59	40240	H06-1218	196	1.3	1.2			7	11	1		19	1	
60	40241	H06-1219	196	1.1	0.9				2			2	0.5	
61	40242	H06-1220	196	4.3	5.7	1		1	22	1		25	3.5	
62	40243	H06-1221	196	1.5	6.0	1		2	5			8	1	
63	40362	H06-1222	196	1.1	1.6	1	1	2	5			9	1	
64	40363	H06-1223	196	1.2	0.9	1			7			8	0.8	
65	40364	H06-1224	196	2.5	1.8	2		7	3			12	1.5	
66	40370	H06-1225	196	2.5	2.4	1		4	8	1		14	1.5	
67	40371	H06-1226	196	1.0	1.3	2		3	11	4		20	1.2	
68	40372	H06-1227	196	1.0	1.2				5			5	1	
69	40373	H06-1228	196	1.2	0.9			3	5	1		9	1.1	
70	40374	H06-1229	196	1.6	1.4			3	8	3		14	1.2	
71	40375	H06-1230	196	2.0	2.2			2	4			6	1.2	
72	40376	H06-1231	196	0.1	0.0			1	2			3	0.1	
73	40377	H06-1232	196	0.6	0.5	4		1	1			6	0.5	
74	32003	H06-1120	194	2.4	2.3	1		4	7	2		14	1.3	
75	32004	H06-1121	194	4.8	1.6			4	2			6	2.2	
76	32005	H06-1122	194	2.7	2.2	2		9	16			27	2	
77	32006	H06-1123	194	1.5	1.3	1		3	2	2		8	1	
78	32007	H06-1124	194	2.8	2.3	1		5	6	1		13	1.4	
79	32008	H06-1125	194	2.1	1.7	2		7	5	1		15	1	

#	Client #	TeckLab #	Job #	Weight (g)		KIM							Hours spent on picking (h)	Background
				Picked (>0.25mm)	Not picked (HM <0.25mm)	Peridotitic garnet	Eclogitic garnet	Picroilmenite	Chromite	Chrome diopside	Olivine	Total		
80	32009	H06-1126	194	1.8	1.6			2	4	1		7	1	
81	32010	H06-1127	194	2.2	1.8				4	2		6	1.5	
82	32011	H06-1128	194	3.0	3.0	1		3	5	1		10	2	pyrite/chalco pyrite
83	32012	H06-1129	194	1.9	1.3	1		1	4			6	1	
84	32013	H06-1130	194	2.2	1.6	1		9	8			18	1.2	
85	32014	H06-1131	194	3.4	2.2			4	5	3		12	2	
86	32015	H06-1132	194	1.9	1.3		1		7			8	1	
87	32016	H06-1133	194	1.5	1.0	3		3	2			8	1	
88	32017	H06-1134	194	1.8	1.7	2	1	7	3			13	1	
89	32018	H06-1135	194	4.2	2.6	6	1	20	13			40	2.8	
90	32019	H06-1136	194	2.2	2.6	8	1	24	10			43	2	
91	32020	H06-1137	194	2.5	2.3	5	1	24	12			42	1.8	
92	32021	H06-1138	194	3.7	2.3	12	1	30	7	2		52	2.5	
93	32022	H06-1139	194	3.2	2.9	1	5	24	16	2		48	2.5	
94	32023	H06-1140	194	2.1	3.0	6	1	9	3	2		21	1.6	
95	32024	H06-1141	194	7.3	9.0	15	2	44	14	5		80	4.3	
96	32025	H06-1142	194	5.8	8.6	8	1	49	17	11		86	3.5	
97	32026	H06-1143	194	5.5	9.8	6		12	7	2		27	2.8	
98	32027	H06-1144	194	2.3	1.8	4		8	6	2		20	1.5	
99	32028	H06-1145	194	1.7	0.4	1		3	10			14	1	
100	32029	H06-1146	194	4.5	2.2	2		5	13	3		23	3	
101	32030	H06-1147	194	3.5	2.8		1	8	9	2		20	2	
102	32031	H06-1148	194	0.7	0.5		1	4				5	0.5	
103	32032	H06-1149	194	2.2	1.7			1	8	3		12	1.6	
104	32033	H06-1150	194	1.6	0.2	4		4	5			13	1	
105	32034	H06-1151	194	5.2	5.0			13	14			27	2.6	
106	32035	H06-1152	194	3.5	2.8	4		14	14	12		44	2	



#	Client #	TeckLab #	Job #	Weight (g)		KIM							Hours spent on picking (h)	Background
				Picked (>0.25mm)	Not picked (HM +<0.25mm)	Peridotitic garnet	Eclogitic garnet	Picroilmenite	Chromite	Chrome diopside	Olivine	Total		
107	32036	H06-1153	194	2.9	2.1		1	11	17			29	1.2	
108	32037	H06-1154	194	2.1	0.5		1	7	10			18	1	
109	32038	H06-1155	194	2.1	2.7	1		6	6			13	1	
110	32039	H06-1156	194	3.9	3.8	3		3	18			24	2	
111	32124	H06-1157	194	2.6	3.7	12		41	5			58	2.3	
112	32125	H06-1158	194	7.3	4.5	27	6	169		2	5	209	5	
113	32126	H06-1159	194	5.4	4.2	6		25	9			40	3.5	
<b>TOTAL</b>				<b>320.9</b>	<b>305.5</b>	<b>379</b>	<b>53</b>	<b>1494</b>	<b>2271</b>	<b>91</b>	<b>9</b>	<b>4297</b>	<b>214</b>	

1	blue pen marks possible KIM (needs testing)
32038	double observed samples (Q/C)
40157	chromite count estimated (see sample sheet for details)



*Client: Temex Resources Corp.*

**To: Karen Rees, Mgr exploration, Temex Resources Corp., Suite 1000, 141 Adelaide St. West, Toronto, Ontario, M5H 3L5**

**From: Maja Kiridzija Mineralogist, KIM Dynamics Inc., #802-West 15<sup>th</sup> Street, North Vancouver, B.C. V7M 1R8**

**Date: March 11, 2006**

**Invoice 2**

**REPORT ON THE PROCEDURE AND RESULTS  
OF THE 33 OBSERVED SAMPLE CONCENTRATES (Priority 2)**

**PROCEDURE**

The 33 heavy mineral concentrates arrived at KIM Dynamics laboratory for the observation on Kimberlitic Indicator Minerals (KIM) on February 21, 2006 from VIP Laboratory as part of the Jobs # 197.

Before the observation, each of the 33 heavy mineral concentrates was washed in ultrasonic bath and sieved through two, 0.3mm and 0.25mm (<10g of concentrate) or four mesh sizes, 0.5mm, 0.4mm, 0.3mm and 0.25mm (>10g of concentrate) in order to provide better focusing under the binocular microscope. This procedure produced three, +0.3mm, +0.25mm, and "<0.25" and "HM" or five separate bags, +0.5mm, +0.4mm, +0.3mm, +0.25mm, and "<0.25" and "HM" for each sample concentrate.

All bags were weighted and weights were recorded on the right corners of the plastic bags. The size fractions, +0.5, +0.4, +0.3 and +0.25mm of all 33 concentrates were observed under the binocular microscope in order to extract any possible kimberlitic indicator mineral. The "<0.25mm" size fractions and "HM" portions were not observed.

All collected KIM and possible KIM were placed on the labeled mineral cards and stored into the plastic folder (kept in the KIM Dynamics office until further notice). The grains that were picked from the concentrates and rejected as KIM or possible KIM were stored together with collected KIM in the plastic folder on the indicator cards marked "rejected".

The mineral concentrates labeled “floats” were not screened or observed under the binocular microscope.

The sample data sheets recorded all information on weights, kimberlitic indicator minerals and comments for each observed sample.

## RESULTS

Total of 156.6g of heavy mineral concentrates was observed. The total of 146 peridotitic garnets, 30 possible eclogitic garnet, 307 picroilmenites, 259 chromites, 12 chrome diopside and 27 olivine was extracted from the examined sample concentrates.

**Peridotitic garnets** are subrounded to subangular shapes and pale pink purple to reddish colors. Some peridotitic garnets have thin patches of kelephytic rims.

**Eclogitic garnets** are subrounded to subangular shapes and pale orange colors. Note sample 40472 that contains 17 eclogitic garnets with fine resorption features. It is recommended to undertake probe analyses on these grains.

**Picroilmenites** are subrounded, polygranular or fractured. Subrounded picroilmenites have coarse, “bumpy” surfaces covered with thin white coatings. Some grains are fractured with or without preserved surfaces.

**Chromites** are rounded and octahedrons with coarse, matte or polished surfaces. Most of the grains are probably from kimberlitic source.

**Chrome diopsides** are light green colors and subangular to subrounded shapes.

**Olivines** are rounded shapes and light beige colors with intensive etchings on the surfaces.

The background of the observed sample concentrates consists mainly of pyroxene, rock fragments, amphibole, epidote and hematite. The other minerals present in concentrates are sphene, staurolite, kyanite, monazite, corundum, etc. A few samples contain trace amounts of pyrite and chalcopyrite. Sample 40453 contained a trace of gold.

## QUALITY CONTROL

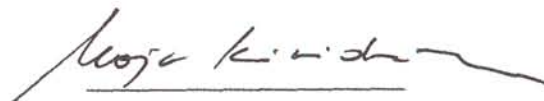
As part of the standard quality control about 23% of all observed samples in this batch were double observed by different observer. Samples that were double observed were highlighted in blue on the attached table “The results of the observation”.

Total of 4 out of 33 sample concentrates passed double observation. Total of 197 KIM and possible KIM were recovered in the first observation and total of 27 KIM and possible KIM were recovered in second observation.

The total recovery rate for this batch of samples is **88.0%**. The table below shows details for each sample.

The table of Quality Control results

#	Client #	First observation (number of grains)	Second observation (number of grains)	Recovery rate (%)
1	40463	61	10	86.0
2	40466	25	4	86.0
3	40472	69	5	93.0
4	40482	42	8	84.0
<b>TOTALS</b>		197	27	<b>88.0</b>



Maja Kiridzija M.Sc.  
KIM Dynamics Inc.

#	Client #	TeckLab #	Job #	Weight (g)		KIM						Hours spent observing (h)	Background	
				Picked (>0.25mm)	Not picked (HM +<0.25mm)	Peridotitic garnet	Eclogitic garnet	Picroilmenite	Chromite	Chrome diopside	Olivine			Total
1	40448	H06-1383	197	3.1	1.9			4	5	1		10	1.5	
2	40449	H06-1384	197	3.6	1.4				1			1	1.8	
3	40450	H06-1385	197	6.9	4.8	4		4	9			17	4	
4	40451	H06-1386	197	5.8	4.7			9	4			13	3	
5	40452	H06-1387	197	6.5	5.8			3	15			18	3.2	
6	40453	H06-1388	197	3.0	2.2	2	1	7	3			13	1.5	gold
7	40454		197									0		
8	40455	H06-1389	197	6.2	4.4	1		7	11			19	3	
9	40456	H06-1390	197	2.7	2.8	1	1	4	4			10	1.6	
10	40457	H06-1391	197	5.1	4.9	1			1	6		8	2.5	
11	40458	H06-1392	197	2.2	1.4	3	1	8	11			23	1.5	
12	40459	H06-1393	197	2.3	0.2	2		6	5			13	1.5	
13	40460	H06-1394	197	1.4	0.2			4	4			8	1	
14	40461	H06-1395	197	3.7	3.3	3		2	2	1		8	1.8	
15	40462	H06-1396	197	1.7	2.3	4		14	1		2	21	1.2	
16	40463	H06-1397	197	4.4	4.8	15	1	23	22		10	71	3.5	
17	40464	H06-1398	197	16.8	0.6	3		5	1	1	1	11	6	
18	40465	H06-1399	197	2.9	1.6	1		4	5			10	2	
19	40466	H06-1400	197	7.4	9.9	7	1	10	8	1	2	29	4.1	
20	40467	H06-1401	197	13.0	9.0	1	1	8	8			18	6.2	
21	40468	H06-1402	197	6.8	13.3			2	2		1	5	3.5	
22	40469	H06-1403	197	4.0	7.1			7	7			14	2	
23	40470	H06-1404	197	4.6	2.2			1	7			8	2.2	
24	40471	H06-1405	197	2.8	2.6	3	1	14	5			23	2	
25	40472	H06-1406	197	2.8	2.6	14	17	21	20		2	74	3	
26	40473	H06-1407	197	2.6	2.3	1		9	2			12	1.5	

#	Client #	TeckLab #	Job #	Weight (g)		KIM							Hours spent observing (h)	Background
				Picked (>0.25mm)	Not picked (HM +<0.25mm)	Peridotitic garnet	Eclogitic garnet	Picroilmenite	Chromite	Chrome diopside	Olivine	Total		
27	40474	H06-1408	197	2.1	0.8	13	1	19	7		3	43	2	
28	40475	H06-1409	197	1.7	1.0	8		11	8			27	2	
29	40476	H06-1410	197	6.1	1.5	1						1	3	
30	40477	H06-1411	197	7.8	0.2	6	1	21	25	1		54	5	
31	40478	H06-1412	197	2.1	1.2	14		24	20		1	59	2.5	chacopyrite
32	40479	H06-1413	197	2.1	0.1	8	1	19	10			38	2	
33	40480	H06-1414	197	9.6	0.3	11	1	22	16	1	1	52	5	pyroxene (~90%)
34	40481		197									0		
35	40482	H06-1415	197	2.8	1.2	19	2	15	10		4	50	2.2	
<b>TOTAL</b>				<b>156.6</b>	<b>102.6</b>	<b>146</b>	<b>30</b>	<b>307</b>	<b>259</b>	<b>12</b>	<b>27</b>	<b>781</b>	<b>88.8</b>	

1	blue pen marks possible KIM (needs testing)
40482	double observed samples (Q/C)

*Client: Temex Resources Corp.*

**To:** Karen Rees, Mgr Exploration, Temex Resources Corp., Suite 1000, 141  
Adelaide St. West, Toronto, Ontario, M5H 3L5

**From:** Maja Kiridzija Mineralogist, KIM Dynamics Inc., #802-West 15<sup>th</sup> Street,  
North Vancouver, B.C. V7M 1R8

**Date:** April 11, 2006

**Invoice 3**

**REPORT ON THE PROCEDURE AND RESULTS  
OF THE 70 OBSERVED SAMPLE CONCENTRATES**

PROCEDURE

The 70 heavy mineral concentrates arrived at KIM Dynamics laboratory for the observation on Kimberlitic Indicator Minerals (KIM) on February 21, 2006 from VIP Laboratory as part of the Jobs # 197.

Before the observation, each of the 33 heavy mineral concentrates was washed in ultrasonic bath and sieved through two, 0.3mm and 0.25mm (<10g of concentrate) or four mesh sizes, 0.5mm, 0.4mm, 0.3mm and 0.25mm (>10g of concentrate) in order to provide better focusing under the binocular microscope. This procedure produced three, +0.3mm, +0.25mm, and "<0.25" and "HM" or five separate bags, +0.5mm, +0.4mm, +0.3mm, +0.25mm, and "<0.25" and "HM" for each sample concentrate.

All bags were weighted and weights were recorded on the right corners of the plastic bags. The size fractions, +0.5, +0.4, +0.3 and +0.25mm of all 70 concentrates were observed under the binocular microscope in order to extract any possible kimberlitic indicator mineral. The "<0.25mm" size fractions and "HM" portions were not observed.

All collected KIM and possible KIM were placed on the labeled mineral cards and stored into the plastic folder (kept in the KIM Dynamics office until further notice). The grains that were picked from the concentrates and rejected as KIM or possible KIM were stored together with collected KIM in the plastic folder on the indicator cards marked "rejected".

The mineral concentrates labeled “floats” were not screened or observed under the binocular microscope.

The sample data sheets recorded all information on weights, kimberlitic indicator minerals and comments for each observed sample.

## RESULTS

Total of 403.0 of heavy mineral concentrates was observed. The total of 365 peridotitic garnets, 171 possible eclogitic garnet, 2677 picroilmenites, 1271 chromites, 762 chrome diopside and 117 olivine was extracted from the examined sample concentrates.

**Peridotitic garnets** are subrounded to subangular shapes and pale pink purple to reddish colors. Most of the recorded peridotitic garnets are light “bright-pink colors, similar to G10” suggesting harzburgitic source with good diamond potential. Sample 32069 (30) has >90% of these grains. However, sample 32139 (29) has none of these but pale reddish and pinkish grains suggesting more megacrystic source with less prospective diamond potential. Lots of the collected peridotitic garnets have thin patches of kelyphytic rims and patches of kimberlite/phlogopite on their surfaces suggesting some proximity of their kimberlitic source(s).

**Eclogitic garnets** are subrounded to subangular shapes and pale orange colors. Note sample 32140 that contains 23 eclogitic garnets with fine resorption features! Most of the eclogitic garnets have fine resorption features or slightly etched surfaces suggesting proximity of their sources. It is recommended to undertake probe analyses on these grains.

**Picroilmenites** are the most abundant KIM in the observed concentrates. They are subrounded, polygranular or fractured. Subrounded/rounded picroilmenites have coarse, “bumpy” surfaces covered with thin white coatings suggesting proximity of their source. Samples 32140 and 32142 have ~40% of these “fresh looking” picroilmenites. It is interesting to mention that the polygranular population of picroilmenites makes about 30% of all collected grains. Some grains are fractured with or without preserved surfaces.

**Chromites** are rounded, subrounded and octahedrons with coarse, matte or polished surfaces. Based on their morphologies, most of the grains are probably from kimberlitic source(s).

**Chrome diopsides** are light green colors and subangular to subrounded shapes. The bright emerald green colored chrome diopsides that are definitely from kimberlitic source are present in samples 32072 (1), 32106 (1), 32111(1), 40359 (1) and 40361 (1). All other recorded chrome diopsides are light grass green colors and may be from non-kimberlitic sources.

**Olivines** are angular to subangular and rounded shapes and light beige colors with slight to intensive resorption on the surfaces. All of the recorded olivines are probably from the kimberlitic source(s).



The background of the observed sample concentrates consists mainly of pyroxene, rock fragments, amphibole, epidote and hematite. The other minerals present in concentrates are sphene, staurolite, kyanite, monazite, corundum, etc. Note that few samples have >70% sphene in background mineralogy. A few samples contain trace amounts of pyrite and chalcopyrite. No gold was found!

## QUALITY CONTROL

As part of the standard quality control about 31% of all observed samples in this batch were double observed by different observer. Samples that were double observed were highlighted in blue on the attached table "The results of the observation".

Total of 22 out of 70 sample concentrates passed double observation. Total of 2589 KIM and possible KIM were recovered in the first observation and total of 315 KIM and possible KIM were recovered in second observation.

The total recovery rate for this batch of samples is **89.2%**. The table below shows details for each sample.

The table of Quality Control results

#	Client #	First observation (number of grains)	Second observation (number of grains)	Recovery rate (%)
1	32069	232	18	92.8
2	32070	114	15	88.4
3	32097	13	12	52.0
4	32103	47	7	87.0
5	32107	42	7	85.7
6	32116	80	6	93.0
7	32121	34	2	94.4
8	32123	28	12	70.0
9	32140	483	0	100.0
10	32142	248	31	88.9
11	32143	109	3	97.3
12	40259	34	7	82.9
13	40261	41	2	95.3
14	40356	59	28	67.8
15	40357	325	6	98.2
16	40359	221	50	81.5
17	40360	63	13	82.9
18	40409	55	3	94.8
19	40410	30	12	71.4
20	40485	195	63	75.6
21	40493	37	6	86.0
22	40494	99	12	89.2
<b>TOTALS</b>		2589	315	<b>89.2</b>

## RECOMMENDATIONS


It is strongly recommended to undertake detailed garnet color, morphology/abrasion and size distribution studies on the collected KIM before they are undergone probe analyses.

These studies may suggest if only one or multiply kimberlitic sources are present on the exploring areas as well as to give an indication on the proximity of the potential source(s).

The color study on peridotitic/eclogitic garnets should define consistency in "similar to G10" presence and therefore determine if multiply sources are present and which one has higher diamond potential.

The abrasion/morphology of peridotitic/eclogitic garnets and picroilmenites should define the variation of "fresh" or "abraded" grains as well as presence of different morphological groups of picroilmenites (rounded, polygranular or fractured) in order to determine the possibility of multiply kimberlitic sources and their proximity.

The size distribution of the collected KIMs should define size distribution of coarse (>0.3mm) and fine (<0.3mm) fractions in order to determine possibility of multiply kimberlitic sources and their proximity.



Maja Kiridzija M.Sc.  
KIM Dynamics Inc.

#	Client #	TeckLab #	Job #	Weight (g)		KIM						Hours spent observing (h)	Background	
				Picked (>0.25mm)	Not picked (HM +<0.25mm)	Peridotitic garnet	Eclogitic garnet	Picroilmenite	Chromite	Chrome diopside	Olivine			Total
1	32069	H06-1747	198	4.4	2.3	30	11	136	18	55		250	4.5	
2	32070	H06-1748	198	4.1	3.0	12	6	50	46	4	11	129	4.0	
3	32071	H06-1749	198	4.6	3.0	7		51	23	9	10	100	3.5	
4	32072	H06-1750	198	7.7	7.4	3	4	4	12	13		36	4.2	
5	32097	H06-1751	198	4.4	1.5		2	9	10	3	1	25	2.0	
6	32098	H06-1752	198	2.5	1.0			14	7			21	1.5	
7	32099	H06-1753	198	5.3	2.2			13		2		15	2.0	
8	32100	H06-1754	198	3.7	2.1	2		13	5	9		29	1.6	
9	32101	H06-1755	198	0.7	0.4			7		5		12	1.0	
10	32102	H06-1756	198	0.9	0.5	2	1	12	6		3	24	1.0	
11	32103	H06-1757	198	3.9	2.6	1		24	14	11	4	54	2.5	
12	32106	H06-1758	198	6.0	3.8	4	2	12	2	46	1	67	4.0	
13	32107	H06-1759	198	1.5	1.0	9	1	20	4	13	2	49	2.0	
14	32108	H06-1760	198	1.6	0.9	9	2	18	1	8		38	1.5	
15	32109	H06-1761	198	4.7	1.5	8	6	26	42	3	8	93	3.6	
16	32110	H06-1762	198	6.0	1.2	2		37	3	41		83	4.5	
17	32111	H06-1763	198	6.8	0.7	6	2	13	32	19	5	77	5.1	
18	32114	H06-1764	198	4.7	2.5	3	2	25		26		56	3.0	
19	32115	H06-1765	198	6.9	4.8	4	5	8	20	30		67	4.5	
20	32116	H06-1766	198	6.5	3.7	7	1	31	30	16	1	86	4.2	
21	32117	H06-1767	198	6.6	2.4	3	1	10	15	16	3	48	4.2	
22	32118	H06-1768	198	8.9	0.9	5		13	39	46	1	104	7.8	
23	32119	H06-1769	198	7.7	2.9	9	8	11	18	25	2	73	5.0	
24	32120	H06-1770	198	6.0	1.5	4	2	33	32	3		74	4.0	
25	32121	H06-1771	198	9.8	4.5			6	21	9		36	5.2	
26	32122	H06-1772	198	6.2	2.5	1		11	1	1		14	3.0	

The results of the KIM observation  
Client: Temex Resources Corp

#	Client #	TeckLab #	Job #	Weight (g)		KIM						Hours spent observing (h)	Background	
				Picked (>0.25mm)	Not picked (HM +<0.25mm)	Peridotitic garnet	Eclogitic garnet	Picrollmenite	Chromite	Chrome diopside	Olivine			Total
27	32123	H06-1773	198	5.8	3.7	3	1	18	8	10		40	4.0	
28	32127	H06-1774	198	5.4	2.7	7	2	35	7	6		57	3.6	
29	32139	H06-1775	198	4.5	3.0	29	9	65	12	7	1	123	3.5	
30	32140	H06-1776	198	12.2	9.0	37	23	389	26	8		483	8.6	70% sphene !
31	32141	H06-1777	198	3.7	2.1	2		22	8	2		34	2.5	
32	32142	H06-1778	198	4.5	3.5	26	7	226	15	5		279	4.5	
33	32143	H06-1779	198	2.4	1.0	12	7	77	15	1		112	2.3	
34	40258	H06-1780	198	13.4	5.9	5	4	12	29	3	15	68	7.5	
35	40259	H06-1781	198	7.3	4.4	2		10	21	8		41	4.0	
36	40260	H06-1782	198	3.5	5.0	2	1	8	21			32	2.0	
37	40261	H06-1783	198	8.0	7.6	8	4	11	18	1	1	43	4.5	
38	40262	H06-1784	198	3.8	1.6	1		2	7	1		11	2.3	
39	40263	H06-1785	198	3.9	1.7			4	4	4		12	2.0	
40	40271	H06-1786	198	8.3	4.5	1		7	26	8		42	4.8	
41	40272	H06-1787	198	14.3	4.0	2	1	16	31		8	58	7.0	
42	40273	H06-1788	198	7.2	2.7		1	1	21	1		24	3.5	
43	40274	H06-1789	198	6.1	2.6	1		9	18	6		34	3.0	
44	40356	H06-1790	198	2.3	2.2	11	4	32	12	27	1	87	2.0	
45	40357	H06-1791	198	7.5	4.6	19	7	190	68	42	5	331	7.0	
46	40358	H06-1792	198	4.7	7.0	3	2	5	8	3	1	22	3.0	
47	40359	H06-1793	198	6.2	4.4	9	11	167	19	53	12	271	6.5	
48	40360	H06-1794	198	2.3	1.6	3	2	45	15	10	1	76	2.0	
49	40361	H06-1795	198	4.5	3.2	2	1	4	11	12	2	32	2.5	
50	40401	H06-1796	198	1.7	1.2			13	8	1		22	1.0	
51	40403	H06-1797	198	6.6	3.0	5	3	64	18	3	1	94	4.0	
52	40404	H06-1798	198	6.3	2.9	4	3	21	16	7		51	4.0	
53	40405	H06-1799	198	7.0	4.2	5	4	42	14	1		66	4.5	
54	40406	H06-1800	198	7.7	7.7			26	10			36	6.2	

#	Client #	TeckLab #	Job #	Weight (g)		KIM							Hours spent observing (h)	Background
				Picked (>0.25mm)	Not picked (HM +<0.25mm)	Peridotitic garnet	Eclogitic garnet	Picrolimenite	Chromite	Chrome diopside	Olivine	Total		
55	40407	H06-1801	198	1.8	1.1	1		19	5	4		29	1.5	
56	40408	H06-1802	198	4.5	2.3			10	13	10		33	3.1	
57	40409	H06-1803	198	7.6	3.5	1	3	42	11		1	58	5.8	
58	40410	H06-1804	198	4.3	2.8	2	1	23	10	6		42	2.5	
59	40411	H06-1805	198	1.3	0.8	3		12	9	1		25	1.0	
60	40485	H06-1806	198	7.6	7.6	4	4	154	75	21		258	7.0	
61	40486	H06-1807	198	8.9	7.2			12	24	11		47	6.5	
62	40487	H06-1808	198	4.6	2.6	1		13	16	12		42	3.2	
63	40488	H06-1809	198	7.9	4.9	1	1	18	69		5	94	5.2	
64	40492	H06-1810	198	7.4	2.8	3	1	42	31	4		81	4.9	
65	40493	H06-1811	198	7.9	6.0	2		12	8	21		43	5.8	
66	40494	H06-1812	198	6.6	3.6	4		67	32	7	1	111	5.2	
67	40495	H06-1813	198	5.9	4.3	2	1	48	14	4		69	4.0	
68	40496	H06-1814	198	9.3	6.4	7	2	33	27	11	3	83	7.2	
69	40497	H06-1815	198	7.5	6.8	4	3	18	28	2	7	62	6.0	
70	40500	H06-1816	198	6.7	3.1		2	26	12	5		45	4.2	
				<b>403.0</b>	<b>233.6</b>	<b>365</b>	<b>171</b>	<b>2677</b>	<b>1271</b>	<b>762</b>	<b>117</b>	<b>5363</b>	<b>274.8</b>	<b>0.0</b>

1 blue pen marks possible KIM (needs testing)  
40482 double observed samples (Q/C)

TEMEX-X06

#32003-40500

Report date: 7 MAR 2006

Job V 06-0138S

LAB NO	FIELD NUMBER	Au ppb	Wt Au gram
S0602769	32003 A	<10	10
S0602770	32003 B	<10	10
S0602771	32004	<10	10
S0602772	32005	<10	10
S0602773	32006	<10	10
S0602774	32007	<10	10
S0602775	32008	<10	10
S0602775 rpt		<10	10
S0602776	32009	<10	10
S0602777	32010	<10	10
S0602778	32011	<10	10
S0602779	32012	<10	10
S0602780	32013	<10	10
S0602781	32014	<10	10
S0602782	32015	<10	10
S0602782 rpt		<10	10
S0602783	32016	<10	10
S0602784	32017	<10	10
S0602785	32018	<10	10
S0602786	32019	<10	10
S0602787	32020	<10	10
S0602788	32021	<10	10
S0602789	32022	<10	10
S0602790	32023	<10	10
S0602791	32024	<10	10
S0602792	32025	<10	10
S0602793	32026	<10	10
S0602794	32027	<10	10
S0602795	32028	<10	10
S0602796	32029	10	10
S0602797	32030	<10	10
S0602798	32031	<10	10
S0602799	32032	<10	10
S0602800	32033	<10	10
S0602801	32034	<10	10
S0602802	32035	<10	10
S0602802 rpt		<10	10
S0602803	32036	<10	10
S0602804	32037	<10	10
S0602805	32038	<10	10
S0602806	32039	<10	10
S0602807	32124	<10	10
S0602808	32125	<10	10
S0602809	32126	<10	10
S0602810	32128	<10	10
S0602811	32129	<10	10
S0602812	32130	<10	10
S0602813	32131	<10	10
S0602814	32132	<10	10
S0602815	32133	<10	10

LAB NO	FIELD NUMBER	Au ppb	Wt Au gram
S0602816	32134	<10	10
S0602817	32135	<10	10
S0602818	32136	<10	10
S0602818 rpt		<10	10
S0602819	32137	<10	10
S0602820	32138	<10	10
S0602821	40157	<10	10
S0602822	40158	<10	10
S0602823	40160	<10	10
S0602824	40161	<10	10
S0602824 rpt		<10	10
S0602825	40177	<10	10
S0602826	40178	<10	10
S0602827	40179	<10	10
S0602828	40184	<10	10
S0602829	40185	<10	10
S0602830	40186	<10	10
S0602831	40190	<10	10
S0602832	40191	<10	10
S0602833	40192	15	10
S0602834	40193	<10	10
S0602835	40194	<10	10
S0602836	40195	<10	10
S0602837	40196	<10	10
S0602837 rpt		<10	10
S0602838	40197	25	10
S0602839	40198	<10	10
S0602840	40199	<10	10
S0602841	40200	<10	10
S0602842	40201	<10	10
S0602843	40202	<10	10
S0602844	40203	<10	10
S0602845	40218	<10	10
S0602846	40219	<10	10
S0602847	40220	<10	10
S0602848	40221	<10	10
S0602849	40222	<10	10
S0602850	40223	<10	10
S0602851	40224	<10	10
S0602852	40225	10	10
S0602853	40226	<10	10
S0602853 rpt		<10	10
S0602854	40227	<10	10
S0602855	40228	<10	10
S0602856	40229	<10	10
S0602857	40231	<10	10
S0602858	40232	<10	10
S0602859	40233	20	10
S0602860	40234	<10	10
S0602861	40235	<10	10
S0602862	40236	<10	10
S0602863	40237	<10	10
S0602864	40238	<10	10
S0602865	40239	<10	10
S0602866	40240	<10	10

LAB NO	FIELD NUMBER	Au ppb	Wt Au gram
S0602867	40241	<10	10
S0602868	40242	<10	10
S0602869	40243	<10	10
S0602870	40362	<10	10
S0602871	40363	<10	10
S0602872	40364	<10	10
S0602873	40370	<10	10
S0602874	40371	<10	10
S0602875	40372	<10	10
S0602875 rpt		<10	10
S0602876	40373	<10	10
S0602877	40374	<10	10
S0602878	40375	<10	10
S0602879	40376	<10	10
S0602880	40377	<10	10
S0602881	40448	<10	10
S0602882	40449	<10	10
S0602883	40450	<10	10
S0602884	40451	<10	10
S0602885	40452	<10	10
S0602886	40453	<10	10
S0602887	40455	<10	10
S0602887 rpt		<10	10
S0602888	40456	<10	10
S0602889	40457	<10	10
S0602890	40458	<10	10
S0602891	40459	<10	10
S0602892	40460	<10	10
S0602893	40461	<10	10
S0602894	40462	<10	10
S0602895	40463	<10	10
S0602896	40464	<10	10
S0602897	40465	<10	10
S0602898	40466	<10	10
S0602899	40467	<10	10
S0602900	40468	<10	10
S0602901	40469	<10	10
S0602902	40470	<10	10
S0602903	40471	<10	10
S0602904	40472	<10	10
S0602905	40473	<10	10
S0602905 rpt		<10	10
S0602906	40474	<10	10
S0602907	40475	<10	10
S0602908	40476	<10	10
S0602909	40477	<10	10
S0602910	40478	<10	10
S0602911	40479	<10	10
S0602912	40480	<10	10
S0602913	40482	<10	10
S0602914	32069	<10	10
S0602915	32070	<10	10
S0602916	32071	<10	10
S0602917	32072	<10	10
S0602918	32097	<10	10



LAB NO	FIELD NUMBER	Au ppb	Wt Au gram
S0602919	32098	<10	10
S0602920	32099	<10	10
S0602921	32100	<10	10
S0602921 rpt		<10	10
S0602922	32101	<10	10
S0602923	32102	<10	10
S0602924	32103	<10	10
S0602925	32106	<10	10
S0602926	32107	<10	10
S0602927	32108	<10	10
S0602928	32109	<10	10
S0602929	32110	<10	10
S0602930	32111	<10	10
S0602931	32114	<10	10
S0602931 rpt		<10	10
S0602932	32115	<10	10
S0602933	32116	<10	10
S0602934	32117	<10	10
S0602935	32118	<10	10
S0602936	32119	<10	10
S0602937	32120	<10	10
S0602938	32121	<10	10
S0602939	32122	<10	10
S0602940	32123	<10	10
S0602941	32127	<10	10
S0602942	32139	<10	10
S0602943	32140	<10	10
S0602944	32141	<10	10
S0602944 rpt		<10	10
S0602945	32142	<10	10
S0602946	32143	<10	10
S0602947	40258	<10	10
S0602948	40259	<10	10
S0602949	40260	<10	10
S0602950	40261	<10	10
S0602951	40262	<10	10
S0602952	40263	<10	10
S0602953	40271	<10	10
S0602954	40272	<10	10
S0602954 rpt		<10	10
S0602955	40273	<10	10
S0602956	40274	<10	10
S0602957	40356	<10	10
S0602958	40357	<10	10
S0602959	40358	<10	10
S0602960	40359	<10	10
S0602961	40360	<10	10
S0602962	40361	<10	10
S0602963	40401	<10	10
S0602964	40403	<10	10
S0602965	40404	<10	10
S0602966	40405	<10	10
S0602967	40406	<10	10
S0602968	40407	<10	10
S0602969	40408	<10	10

LAB NO	FIELD NUMBER	Au ppb	Wt Au gram
S0602970	40409	<10	10
S0602971	40410	<10	10
S0602971 rpt		<10	10
S0602972	40411	<10	10
S0602973	40485	<10	10
S0602974	40486	<10	10
S0602975	40487	<10	10
S0602976	40492	<10	10
S0602977	40493	<10	10
S0602978	40494	<10	10
S0602978 rpt		<10	10
S0602979	40495	<10	10
S0602980	40496	<10	10
S0602981	40497	<10	10
S0602982	40500	<10	10
STD: B200		140	10
STD: B200		136	10
STD: B200		124	10
STD: B200		150	10
STD: B200		138	10
STD: B200		140	10

I=insufficient sample X=small sample E=exceeds calibration C=being checked R=revised  
if requested analyses are not shown, results are to follow

#### ANALYTICAL METHODS

Au Aqua regia decomposition / solvent extraction / AAS  
Wt Au The weight of sample taken to analyse for gold (geochem)



Alice Kwan, Chemist-Teck Cominco G.D.L.

Report date: 7 MAR 2006

Job V 06-0138S

LAB NO	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Ni ppm	Fe %	Mo ppm	Cr ppm	Bi ppm	Sb ppm	V ppm	Sn ppm	W ppm	Sr ppm	Y ppm	La ppm	Mn ppm	Mg %	Ti %	Al %	Ca %	Na %	K %	P ppm
S0602769	32003 A	27	16	26	<.4	5	37	<1	16	43	2.36	<2	51	5	<5	41	<2	<2	13	4	<2	304	0.59	0.07	1.83	0.20	0.05	0.07	372
S0602769 rpt		23	15	17	<.4	5	37	<1	15	42	2.20	<2	48	<5	<5	34	<2	<2	9	3	2	302	0.59	0.07	1.81	0.16	0.04	0.06	371
S0602770	32003 B	17	9	6	<.4	7	32	<1	10	28	1.68	<2	38	<5	<5	29	<2	<2	11	2	<2	287	0.46	0.06	1.19	0.18	0.04	0.05	307
S0602771	32004	37	19	19	<.4	8	27	<1	15	33	2.01	<2	41	<5	<5	37	<2	<2	11	3	10	221	0.50	0.06	1.61	0.19	0.03	0.04	634
S0602772	32005	24	12	26	<.4	4	25	<1	11	31	2.23	<2	43	<5	<5	32	<2	<2	12	4	8	293	0.56	0.07	1.50	0.17	0.03	0.04	366
S0602773	32006	19	19	21	<.4	8	24	<1	14	35	2.54	<2	53	6	<5	44	<2	<2	9	3	<2	285	0.59	0.08	2.12	0.10	0.03	0.03	119
S0602774	32007	28	21	15	<.4	5	33	<1	17	32	2.06	<2	41	<5	<5	38	<2	<2	13	3	2	284	0.55	0.07	1.50	0.17	0.03	0.05	235
S0602775	32008	42	13	10	<.4	6	40	<1	15	35	1.99	<2	44	<5	<5	35	<2	<2	14	4	7	294	0.55	0.07	1.47	0.21	0.04	0.05	276
S0602776	32009	29	13	11	<.4	8	36	<1	18	36	2.04	<2	42	<5	5	32	<2	<2	13	4	3	290	0.55	0.07	1.61	0.17	0.04	0.06	194
S0602777	32010	31	14	12	<.4	10	23	<1	14	26	1.80	<2	35	<5	<5	33	<2	<2	13	4	8	229	0.44	0.06	1.21	0.16	0.03	0.05	372
S0602778	32011	42	14	23	<.4	5	35	<1	23	46	2.64	<2	47	<5	<5	41	<2	<2	14	5	8	410	0.69	0.07	1.83	0.24	0.04	0.08	521
S0602779	32012	35	15	27	<.4	16	28	<1	26	36	2.25	<2	38	<5	5	34	<2	<2	10	3	5	287	0.52	0.07	1.57	0.14	0.04	0.05	393
S0602780	32013	50	16	23	<.4	13	26	<1	32	44	2.82	<2	47	<5	<5	39	<2	<2	10	5	<2	480	0.72	0.07	1.64	0.19	0.04	0.05	347
S0602781	32014	79	11	13	<.4	9	29	<1	15	30	1.97	<2	38	<5	<5	35	<2	<2	10	3	7	265	0.53	0.06	1.42	0.14	0.04	0.04	318
S0602782	32015	73	20	21	<.4	14	33	<1	23	41	2.52	<2	46	<5	<5	39	<2	<2	9	4	3	278	0.56	0.06	2.03	0.11	0.03	0.05	364
S0602783	32016	20	12	14	<.4	4	29	<1	13	34	2.07	<2	46	<5	6	33	<2	<2	11	3	5	189	0.46	0.08	2.08	0.11	0.03	0.04	230
S0602784	32017	27	10	29	<.4	7	26	<1	14	36	2.15	<2	44	<5	<5	40	<2	<2	13	3	3	289	0.57	0.07	1.67	0.21	0.03	0.05	493
S0602785	32018	34	16	16	<.4	8	28	<1	14	35	2.26	<2	43	<5	6	43	<2	<2	14	5	10	249	0.53	0.08	2.07	0.21	0.03	0.05	471
S0602786	32019	44	23	19	<.4	8	43	<1	17	43	3.02	<2	62	<5	6	49	<2	<2	15	6	9	320	0.61	0.09	2.78	0.20	0.03	0.07	521
S0602787	32020	35	16	19	<.4	8	37	<1	17	46	2.12	<2	66	<5	6	38	<2	<2	17	4	6	383	0.63	0.09	1.77	0.26	0.04	0.08	443
S0602788	32021	35	13	14	<.4	5	36	<1	12	34	2.18	<2	45	<5	<5	41	<2	<2	17	5	10	364	0.61	0.08	1.61	0.26	0.03	0.08	451
S0602789	32022	20	15	12	<.4	3	36	<1	18	33	2.10	<2	45	<5	<5	36	<2	<2	19	4	8	620	0.60	0.08	1.54	0.27	0.04	0.08	453
S0602789 rpt		20	14	12	<.4	8	31	<1	17	33	2.06	<2	43	<5	6	36	<2	<2	13	3	4	614	0.57	0.06	1.42	0.20	0.03	0.06	448
S0602790	32023	22	12	12	<.4	6	27	<1	15	33	2.05	<2	45	<5	<5	40	<2	<2	16	3	3	367	0.55	0.08	1.57	0.28	0.04	0.07	534
S0602791	32024	45	14	15	<.4	8	37	<1	16	35	2.08	<2	50	<5	<5	41	<2	<2	12	3	7	424	0.60	0.06	1.49	0.17	0.03	0.06	377
S0602792	32025	39	13	13	<.4	7	36	<1	15	36	2.01	<2	51	<5	5	42	<2	<2	10	3	6	349	0.59	0.07	1.50	0.17	0.03	0.06	429
S0602793	32026	45	17	15	<.4	5	58	<1	21	47	2.44	<2	57	<5	<5	51	<2	<2	12	3	2	307	0.63	0.08	2.09	0.16	0.03	0.07	277
S0602794	32027	20	9	11	<.4	4	24	<1	12	33	1.84	<2	37	5	5	31	<2	<2	9	3	<2	232	0.47	0.05	1.40	0.14	0.03	0.03	451
S0602795	32028	21	6	4	<.4	3	22	<1	7	21	1.33	<2	27	6	<5	29	<2	<2	11	2	5	172	0.36	0.06	1.12	0.14	0.03	0.03	158
S0602796	32029	21	12	6	<.4	5	20	<1	11	28	1.75	<2	38	5	<5	36	<2	<2	11	3	5	211	0.43	0.06	1.44	0.16	0.03	0.04	481
S0602797	32030	17	8	6	<.4	3	27	<1	11	28	1.74	<2	35	<5	5	33	<2	<2	13	3	4	283	0.48	0.06	1.17	0.19	0.03	0.05	303
S0602798	32031	18	14	10	<.4	6	15	<1	7	19	1.59	<2	33	<5	5	26	<2	<2	10	3	10	148	0.34	0.07	1.75	0.13	0.03	0.03	253
S0602799	32032	19	14	5	<.4	5	23	<1	11	28	1.68	<2	36	<5	<5	31	<2	<2	9	2	5	232	0.45	0.05	1.18	0.12	0.03	0.04	222
S0602800	32033	8	7	5	<.4	2	20	<1	6	14	1.09	<2	17	<5	<5	21	<2	<2	8	2	7	142	0.24	0.04	1.00	0.09	0.03	0.02	53
S0602801	32034	51	25	15	<.4	15	17	<1	20	41	2.31	<2	47	<5	5	35	<2	<2	8	3	<2	333	0.62	0.06	1.72	0.14	0.03	0.03	454
S0602802	32035	26	16	11	<.4	8	31	<1	14	33	1.89	<2	39	<5	<5	33	<2	<2	9	3	2	288	0.53	0.06	1.45	0.14	0.03	0.04	299
S0602802 rpt		27	16	13	<.4	9	30	<1	14	34	1.96	<2	41	<5	<5	30	<2	<2	10	2	6	300	0.53	0.06	1.49	0.15	0.03	0.05	298

LAB NO	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Ni ppm	Fe %	Mo ppm	Cr ppm	Bi ppm	Sb ppm	V ppm	Sn ppm	W ppm	Sr ppm	Y ppm	La ppm	Mn ppm	Mg %	Ti %	Al %	Ca %	Na %	K %	P ppm
S0602803	32036	34	15	20	<.4	4	34	<1	18	51	2.56	<2	53	6	7	38	<2	<2	9	3	5	349	0.70	0.07	1.89	0.11	0.04	0.05	363
S0602804	32037	12	7	6	<.4	4	17	<1	8	20	1.33	<2	25	<5	<5	27	<2	<2	11	3	8	275	0.38	0.05	0.83	0.16	0.04	0.03	148
S0602805	32038	36	14	18	<.4	11	39	<1	19	40	2.05	<2	40	<5	<5	33	<2	<2	10	2	4	275	0.52	0.06	1.64	0.13	0.03	0.05	265
S0602806	32039	41	23	11	<.4	14	29	<1	23	41	2.00	<2	42	<5	5	31	<2	<2	11	3	5	306	0.54	0.06	1.53	0.14	0.03	0.04	136
S0602807	32124	24	14	16	<.4	6	28	<1	15	37	2.09	<2	51	<5	6	36	<2	<2	13	2	5	393	0.63	0.07	1.62	0.19	0.03	0.06	308
S0602808	32125	34	15	13	<.4	8	27	<1	13	31	1.92	<2	46	<5	<5	39	<2	<2	15	5	10	445	0.57	0.07	1.27	0.28	0.03	0.06	459
S0602809	32126	23	13	20	<.4	4	27	<1	14	46	1.95	<2	87	<5	<5	36	<2	<2	11	3	6	256	0.70	0.07	1.54	0.17	0.03	0.09	501
S0602810	32128	36	15	19	<.4	7	31	<1	15	38	2.13	<2	58	<5	<5	45	<2	<2	13	4	9	461	0.65	0.08	1.43	0.26	0.03	0.07	474
S0602811	32129	27	13	14	<.4	6	28	<1	13	35	1.90	<2	57	<5	<5	38	<2	<2	13	4	7	411	0.62	0.07	1.33	0.23	0.03	0.08	476
S0602812	32130	33	11	13	<.4	5	32	<1	14	37	1.77	<2	56	<5	<5	36	<2	<2	11	2	3	307	0.60	0.07	1.42	0.16	0.03	0.07	305
S0602813	32131	42	21	23	<.4	9	44	<1	19	46	2.56	<2	57	<5	<5	40	<2	<2	16	5	6	606	0.67	0.07	1.96	0.25	0.03	0.10	547
S0602814	32132	35	19	24	<.4	5	62	<1	18	50	2.56	<2	72	<5	6	41	<2	<2	16	3	5	395	0.76	0.08	2.13	0.22	0.03	0.10	270
S0602815	32133	33	19	24	<.4	5	41	<1	15	44	2.44	<2	62	<5	5	45	<2	<2	14	3	10	385	0.70	0.08	1.90	0.21	0.04	0.08	410
S0602815 rpt		36	17	24	<.4	5	39	<1	15	43	2.41	<2	60	<5	5	41	<2	<2	10	3	6	381	0.70	0.07	1.81	0.16	0.03	0.07	400
S0602816	32134	41	15	15	<.4	4	26	<1	13	38	2.05	<2	50	<5	6	43	<2	<2	12	3	7	234	0.59	0.08	1.65	0.20	0.03	0.05	348
S0602817	32135	25	12	9	<.4	2	25	<1	12	28	1.76	<2	45	<5	5	36	<2	<2	16	5	13	429	0.56	0.07	1.17	0.23	0.04	0.06	420
S0602818	32136	18	14	24	<.4	4	37	<1	15	57	2.09	<2	117	<5	7	44	<2	<2	14	2	10	286	0.84	0.08	1.61	0.18	0.03	0.14	517
S0602819	32137	34	16	21	<.4	7	53	<1	18	47	2.51	<2	62	<5	5	44	<2	<2	14	4	3	335	0.69	0.08	2.27	0.23	0.04	0.08	436
S0602820	32138	17	14	11	<.4	7	21	<1	11	27	1.81	<2	38	<5	<5	32	<2	<2	14	5	10	435	0.55	0.05	1.05	0.32	0.04	0.05	508
S0602821	40157	10	16	16	<.4	5	108	<1	23	271	2.67	<2	505	<5	8	58	<2	<2	11	<2	<2	272	2.61	0.13	2.21	0.16	0.03	0.54	728
S0602822	40158	29	18	32	<.4	5	33	<1	17	100	2.49	<2	179	<5	7	44	<2	<2	11	3	4	282	1.11	0.10	2.16	0.15	0.03	0.04	593
S0602823	40160	43	15	23	<.4	7	45	<1	18	50	2.16	<2	85	<5	<5	45	<2	<2	16	9	21	505	0.81	0.07	1.40	0.40	0.04	0.12	565
S0602824	40161	9	14	49	<.4	5	33	<1	12	38	2.04	<2	58	8	7	36	<2	<2	10	3	<2	206	0.48	0.07	1.74	0.13	0.03	0.04	357
S0602825	40177	12	15	18	<.4	3	29	<1	11	34	2.48	<2	36	<5	<5	46	<2	<2	10	3	6	153	0.36	0.08	1.75	0.12	0.03	0.04	233
S0602825 rpt		12	14	14	<.4	5	26	<1	10	32	2.35	<2	33	<5	5	43	<2	<2	5	2	<2	140	0.33	0.05	1.62	0.08	0.03	0.03	242
S0602826	40178	18	14	15	<.4	<2	33	<1	10	32	2.23	<2	36	<5	6	36	<2	<2	10	3	5	246	0.55	0.06	1.25	0.15	0.03	0.04	220
S0602827	40179	67	17	77	<.4	6	36	<1	11	33	2.86	<2	44	<5	<5	42	<2	<2	11	4	2	244	0.51	0.08	1.87	0.16	0.03	0.05	459
S0602828	40184	34	18	18	<.4	5	86	<1	17	50	2.74	<2	60	<5	9	41	<2	<2	14	5	8	332	0.63	0.07	2.34	0.20	0.03	0.08	279
S0602829	40185	20	14	39	1.0	39	31	<1	15	46	2.35	<2	58	<5	<5	37	<2	<2	11	3	5	249	0.57	0.06	1.72	0.18	0.03	0.05	527
S0602830	40186	18	13	22	<.4	8	26	<1	10	33	1.92	<2	34	<5	<5	31	<2	<2	9	3	2	232	0.44	0.06	1.36	0.15	0.03	0.04	308
S0602831	40190	23	8	8	<.4	4	28	<1	9	29	1.68	<2	36	<5	<5	29	<2	<2	9	3	2	284	0.48	0.05	1.23	0.18	0.03	0.03	333
S0602832	40191	20	14	24	<.4	3	19	<1	11	30	2.06	<2	41	<5	<5	33	<2	<2	8	2	<2	221	0.48	0.06	1.83	0.13	0.03	0.04	549
S0602833	40192	24	62	160	<.4	8	28	<1	18	31	3.00	<2	48	<5	<5	47	<2	<2	8	2	3	424	0.35	0.06	2.41	0.13	0.03	0.04	718
S0602834	40193	9	15	21	<.4	4	31	<1	9	30	1.89	<2	45	<5	<5	30	<2	<2	11	2	<2	205	0.44	0.06	1.47	0.20	0.03	0.05	365
S0602835	40194	9	18	26	<.4	2	30	<1	11	31	1.81	<2	41	<5	<5	33	<2	<2	9	2	4	169	0.38	0.06	1.50	0.14	0.03	0.04	254
S0602836	40195	12	16	64	<.4	7	34	<1	11	26	2.03	<2	42	<5	5	36	<2	<2	10	<2	2	168	0.28	0.07	2.22	0.12	0.03	0.04	459
S0602837	40196	33	25	44	<.4	10	40	<1	22	46	3.32	<2	48	<5	5	50	<2	<2	12	4	2	326	0.61	0.08	2.45	0.25	0.03	0.05	1066
S0602838	40197	22	15	20	<.4	7	21	<1	7	14	2.51	<2	36	<5	<5	42	<2	<2	7	2	4	200	0.26	0.05	1.83	0.10	0.03	0.03	380
S0602839	40198	75	17	53	<.4	9	23	<1	12	18	2.47	<2	35	<5	6	46	<2	<2	7	2	<2	102	0.23	0.07	2.84	0.08	0.03	0.03	342
S0602840	40199	40	22	42	<.4	10	36	<1	18	49	3.42	<2	56	<5	7	43	<2	<2	6	3	2	236	0.54	0.06	3.17	0.08	0.03	0.05	394
S0602841	40200	13	17	38	<.4	9	27	<1	10	18	2.65	<2	34	5	6	34	<2	<2	4	2	<2	174	0.22	0.05	2.08	0.04	0.03	0.03	448
S0602842	40201	23	15	23	<.4	3	25	<1	9	22	2.34	<2	34	<5	6	45	<2	<2	5	<2	<2	171	0.31	0.06	2.02	0.06	0.03	0.03	253
S0602843	40202	22	14	26	<.4	3	22	<1	10	25	1.80	<2	37	6	6	36	<2	<2	6	2	<2	185	0.38	0.07	1.60	0.07	0.03	0.03	168

LAB NO	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Ni ppm	Fe %	Mo ppm	Cr ppm	Bi ppm	Sb ppm	V ppm	Sn ppm	W ppm	Sr ppm	Y ppm	La ppm	Mn ppm	Mg %	Ti %	Al %	Ca %	Na %	K %	P ppm
S0602844	40203	48	14	78	<.4	10	25	<1	14	35	2.29	<2	45	8	<5	48	<2	<2	7	2	2	201	0.41	0.08	1.90	0.12	0.03	0.04	525
S0602845	40218	33	20	23	<.4	10	14	<1	18	40	2.66	<2	48	6	<5	45	<2	<2	10	4	5	384	0.75	0.07	1.81	0.21	0.04	0.03	453
S0602846	40219	49	17	20	<.4	7	13	<1	13	30	2.29	<2	38	<5	<5	39	<2	<2	9	3	<2	215	0.47	0.08	2.52	0.14	0.04	0.03	355
S0602847	40220	46	11	16	<.4	8	19	<1	10	27	1.69	<2	36	<5	<5	30	<2	<2	12	4	5	218	0.48	0.08	1.51	0.22	0.04	0.04	394
S0602848	40221	32	19	37	<.4	9	35	<1	24	51	3.51	<2	62	<5	<5	44	<2	<2	9	5	2	465	0.71	0.07	2.65	0.13	0.03	0.05	368
S0602849	40222	25	21	37	<.4	16	25	<1	14	25	2.55	<2	38	<5	6	37	<2	<2	9	3	9	165	0.34	0.07	2.05	0.13	0.04	0.04	415
S0602850	40223	42	19	39	<.4	22	26	<1	13	24	3.05	<2	35	<5	<5	48	<2	<2	9	3	10	190	0.34	0.07	1.76	0.10	0.04	0.04	462
S0602851	40224	60	20	36	<.4	11	41	<1	24	49	2.84	<2	54	<5	7	38	<2	<2	9	3	4	394	0.70	0.06	2.16	0.14	0.04	0.06	547
S0602852	40225	64	17	36	<.4	11	45	<1	20	54	3.02	<2	57	<5	<5	36	<2	<2	9	5	9	397	0.76	0.07	2.22	0.16	0.04	0.06	528
S0602853	40226	46	19	23	<.4	10	32	<1	18	40	2.19	<2	45	<5	<5	32	<2	<2	10	3	3	242	0.48	0.07	1.92	0.12	0.03	0.05	403
S0602854	40227	25	13	18	<.4	11	23	<1	9	22	3.17	<2	31	<5	<5	52	<2	<2	11	3	<2	163	0.27	0.07	1.92	0.12	0.04	0.04	249
S0602855	40228	50	27	37	<.4	14	40	<1	22	44	3.10	<2	51	<5	9	45	<2	<2	12	4	<2	309	0.54	0.09	3.31	0.15	0.04	0.05	666
S0602856	40229	17	11	22	<.4	7	43	<1	12	34	2.02	<2	43	<5	<5	32	<2	<2	16	3	2	243	0.45	0.08	1.82	0.19	0.04	0.07	339
S0602857	40231	17	16	24	<.4	6	22	<1	16	42	2.65	<2	55	<5	<5	40	<2	<2	12	5	7	239	0.62	0.06	2.17	0.19	0.04	0.05	910
S0602858	40232	24	14	19	<.4	8	30	<1	17	48	2.46	<2	53	<5	<5	43	<2	<2	17	3	5	251	0.45	0.07	2.25	0.23	0.04	0.08	675
S0602859	40233	15	12	12	<.4	8	33	<1	10	23	1.54	<2	30	<5	<5	27	<2	<2	15	2	4	320	0.33	0.07	1.24	0.19	0.03	0.05	158
S0602860	40234	20	16	22	<.4	5	35	<1	11	28	3.04	<2	44	6	<5	39	<2	<2	11	5	3	272	0.43	0.08	1.88	0.13	0.04	0.05	336
S0602861	40235	30	11	52	<.4	5	32	<1	12	33	2.41	<2	51	<5	<5	46	<2	<2	6	3	2	389	0.53	0.07	1.75	0.08	0.03	0.03	781
S0602862	40236	26	19	56	<.4	6	24	<1	15	33	2.33	<2	65	<5	<5	41	<2	<2	10	2	<2	457	0.49	0.07	1.54	0.13	0.04	0.04	684
S0602863	40237	20	14	19	<.4	7	21	<1	9	25	2.01	<2	48	<5	5	35	<2	<2	9	3	4	190	0.39	0.08	2.45	0.10	0.03	0.03	385
S0602864	40238	29	13	29	<.4	5	56	<1	14	39	2.11	<2	53	<5	<5	36	<2	<2	18	3	8	468	0.55	0.08	1.85	0.26	0.04	0.09	419
S0602864 rpt		29	12	27	<.4	5	52	<1	13	37	1.99	<2	50	<5	<5	33	<2	<2	15	3	7	450	0.54	0.07	1.73	0.23	0.05	0.08	409
S0602865	40239	54	18	63	<.4	10	32	<1	15	40	2.57	<2	54	<5	5	39	<2	<2	13	4	9	329	0.53	0.08	2.44	0.18	0.04	0.05	880
S0602866	40240	25	16	46	<.4	6	32	<1	11	34	2.10	<2	47	<5	<5	34	<2	<2	16	4	9	284	0.45	0.08	1.89	0.21	0.04	0.06	574
S0602867	40241	4	8	10	<.4	7	30	<1	6	54	1.72	<2	31	<5	<5	32	<2	<2	14	2	3	156	0.20	0.07	1.53	0.14	0.04	0.05	304
S0602868	40242	75	12	14	<.4	10	31	<1	19	39	2.22	<2	49	<5	<5	42	<2	<2	19	9	29	456	0.60	0.08	1.41	0.30	0.04	0.07	456
S0602869	40243	33	15	35	<.4	12	35	<1	16	31	2.84	<2	43	<5	5	49	<2	<2	13	3	3	204	0.40	0.09	2.15	0.13	0.04	0.06	303
S0602870	40362	38	12	12	<.4	5	33	<1	15	42	2.18	<2	48	<5	6	36	<2	<2	14	5	5	336	0.59	0.06	1.87	0.23	0.04	0.06	545
S0602871	40363	19	12	12	<.4	7	29	<1	10	31	2.13	<2	41	<5	<5	28	<2	<2	7	2	4	242	0.44	0.04	1.81	0.11	0.03	0.03	436
S0602872	40364	34	9	8	<.4	6	26	<1	12	33	1.81	<2	38	<5	<5	28	<2	<2	10	4	9	420	0.52	0.05	1.15	0.21	0.03	0.04	539
S0602873	40370	35	14	12	<.4	8	27	<1	12	33	1.80	<2	39	5	<5	29	<2	<2	9	2	6	196	0.41	0.06	1.67	0.13	0.03	0.03	449
S0602874	40371	31	11	14	<.4	5	43	<1	14	44	2.30	<2	59	<5	<5	38	<2	<2	17	4	6	299	0.62	0.07	2.21	0.21	0.06	0.07	384
S0602875	40372	28	8	16	<.4	4	45	<1	10	37	2.18	<2	49	<5	<5	34	<2	<2	14	4	8	246	0.54	0.08	1.94	0.17	0.05	0.07	264
S0602876	40373	38	9	16	<.4	10	34	<1	12	38	2.16	<2	50	<5	<5	36	<2	<2	15	4	5	255	0.55	0.08	2.01	0.21	0.05	0.07	473
S0602877	40374	35	8	17	<.4	7	38	<1	14	42	2.27	<2	53	<5	<5	36	<2	<2	15	4	6	296	0.62	0.08	2.04	0.22	0.06	0.08	435
S0602878	40375	15	8	13	<.4	8	25	<1	10	28	1.87	<2	44	<5	<5	32	<2	<2	12	3	8	265	0.48	0.07	1.54	0.19	0.06	0.06	582
S0602879	40376	20	4	<1	<.4	9	13	<1	4	15	1.37	<2	34	<5	<5	29	<2	<2	14	3	9	158	0.31	0.06	0.87	0.26	0.05	0.04	507
S0602880	40377	32	10	22	<.4	11	28	<1	13	31	1.89	<2	48	<5	<5	31	<2	<2	11	4	7	242	0.41	0.07	1.91	0.16	0.05	0.05	376
S0602881	40448	20	6	4	<.4	3	22	<1	7	26	1.20	<2	46	<5	<5	24	<2	<2	10	2	9	207	0.44	0.04	0.86	0.17	0.04	0.05	551
S0602882	40449	15	7	13	<.4	4	29	<1	8	28	1.36	<2	54	<5	<5	26	<2	<2	13	2	10	206	0.58	0.05	1.05	0.21	0.04	0.08	606
S0602883	40450	107	20	51	<.4	6	59	<1	26	105	3.35	<2	251	<5	8	74	<2	<2	24	7	56	435	1.61	0.16	2.56	0.35	0.05	0.16	1133
S0602884	40451	18	4	8	<.4	3	31	<1	10	29	1.42	<2	54	<5	<5	28	<2	<2	13	3	14	287	0.52	0.06	1.12	0.20	0.05	0.10	623
S0602885	40452	18	9	13	<.4	3	26	<1	17	83	1.51	<2	101	<5	<5	28	<2	<2	16	2	8	348	0.88	0.07	1.10	0.22	0.04	0.10	571

LAB NO	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Ni ppm	Fe %	Mo ppm	Cr ppm	Bi ppm	Sb ppm	V ppm	Sn ppm	W ppm	Sr ppm	Y ppm	La ppm	Mn ppm	Mg %	Ti %	Al %	Ca %	Na %	K %	P ppm
S0602886	40453	25	4	1	<.4	4	13	<1	6	21	0.93	<2	34	<5	<5	23	<2	<2	10	2	7	115	0.29	0.05	0.72	0.16	0.04	0.04	425
S0602887	40455	24	8	12	<.4	6	34	<1	12	46	1.39	<2	61	<5	<5	31	<2	<2	14	3	10	282	0.53	0.05	0.94	0.23	0.04	0.12	731
S0602888	40456	16	11	17	<.4	5	22	<1	9	35	1.59	<2	52	5	<5	29	<2	<2	15	3	3	151	0.42	0.07	1.66	0.25	0.04	0.06	739
S0602889	40457	82	16	65	<.4	6	103	<1	25	92	3.59	<2	179	<5	6	79	<2	<2	19	4	18	514	1.76	0.20	3.01	0.37	0.04	0.25	803
S0602890	40458	19	6	11	<.4	6	30	<1	8	30	1.47	<2	57	<5	<5	27	<2	<2	16	3	12	209	0.53	0.06	1.22	0.25	0.04	0.07	736
S0602891	40459	18	7	16	<.4	4	25	<1	6	27	1.52	<2	52	6	<5	28	<2	<2	11	2	10	161	0.56	0.07	1.28	0.16	0.03	0.05	651
S0602892	40460	12	7	10	<.4	4	27	<1	6	27	1.40	<2	48	6	<5	29	<2	<2	15	2	9	156	0.53	0.07	0.97	0.18	0.03	0.06	414
S0602893	40461	32	10	36	<.4	4	49	<1	13	47	2.43	<2	85	<5	6	45	<2	<2	16	5	24	274	0.89	0.14	2.24	0.12	0.03	0.11	275
S0602894	40462	15	7	20	<.4	5	33	<1	9	46	1.75	<2	78	<5	5	34	<2	<2	17	4	23	282	0.75	0.10	1.27	0.25	0.03	0.13	760
S0602895	40463	25	13	25	<.4	5	32	<1	10	40	1.60	<2	65	<5	<5	33	<2	<2	25	5	16	233	0.68	0.08	1.23	0.34	0.04	0.10	779
S0602896	40464	34	11	21	<.4	7	34	<1	12	44	2.49	<2	96	<5	<5	46	<2	<2	27	9	30	315	1.01	0.12	1.40	0.36	0.03	0.09	803
S0602897	40465	41	9	19	<.4	6	47	<1	15	61	2.17	<2	183	<5	6	42	<2	<2	23	4	9	266	0.98	0.11	1.89	0.34	0.05	0.14	1009
S0602897 rpt		38	8	17	<.4	5	45	<1	14	59	2.10	<2	176	<5	<5	42	<2	<2	19	3	10	252	0.93	0.10	1.77	0.30	0.04	0.13	993
S0602898	40466	28	7	15	<.4	5	34	<1	12	40	1.97	<2	96	<5	<5	39	<2	<2	18	5	12	336	0.68	0.08	1.45	0.28	0.04	0.07	761
S0602899	40467	83	19	38	<.4	9	54	<1	20	72	2.76	<2	146	<5	<5	51	<2	<2	24	7	26	657	1.09	0.11	1.98	0.44	0.04	0.23	1180
S0602900	40468	32	15	44	<.4	7	46	<1	18	50	2.75	<2	79	<5	6	48	<2	<2	13	4	4	277	0.70	0.09	2.40	0.22	0.04	0.10	1516
S0602901	40469	13	10	15	<.4	5	31	<1	12	32	1.88	<2	66	5	<5	30	<2	<2	8	3	3	293	0.49	0.06	1.68	0.16	0.02	0.05	733
S0602902	40470	13	9	8	<.4	5	19	<1	9	40	1.17	<2	64	<5	<5	27	<2	<2	14	3	13	234	0.60	0.04	0.80	0.24	0.03	0.06	660
S0602903	40471	14	6	8	<.4	4	22	<1	9	41	1.38	<2	66	<5	<5	25	<2	<2	16	3	11	246	0.60	0.05	0.98	0.23	0.03	0.08	636
S0602903 rpt		11	6	10	<.4	5	22	<1	10	44	1.48	<2	71	<5	<5	27	<2	<2	18	3	8	264	0.62	0.06	1.07	0.25	0.04	0.09	682
S0602904	40472	17	8	12	<.4	6	30	<1	10	43	1.57	<2	64	<5	<5	27	<2	<2	18	3	9	181	0.63	0.08	1.36	0.17	0.03	0.08	387
S0602905	40473	21	8	18	<.4	5	54	<1	11	43	1.62	<2	71	<5	<5	30	<2	<2	22	4	12	292	0.70	0.08	1.46	0.32	0.04	0.19	782
S0602906	40474	16	7	7	<.4	5	20	<1	8	26	1.25	<2	50	<5	<5	23	<2	<2	26	5	15	295	0.49	0.05	0.70	0.35	0.04	0.06	774
S0602907	40475	30	8	17	<.4	8	29	<1	10	42	1.67	<2	74	<5	<5	32	<2	<2	20	3	17	234	0.68	0.09	1.37	0.24	0.04	0.09	512
S0602908	40476	20	11	40	<.4	4	71	<1	13	58	2.31	<2	103	5	<5	37	<2	<2	19	4	3	300	1.01	0.12	2.13	0.34	0.04	0.24	848
S0602909	40477	5	7	21	<.4	2	19	<1	7	29	1.50	<2	51	<5	<5	30	<2	<2	18	2	7	192	0.66	0.08	1.05	0.24	0.03	0.06	584
S0602910	40478	26	16	37	<.4	5	27	<1	10	46	2.33	<2	90	<5	8	40	<2	<2	17	4	17	221	0.68	0.11	2.81	0.25	0.03	0.07	806
S0602911	40479	10	7	19	<.4	3	25	<1	4	16	1.15	<2	31	<5	<5	28	<2	<2	7	<2	7	97	0.27	0.06	1.22	0.07	0.03	0.04	254
S0602912	40480	24	11	35	<.4	5	22	<1	11	39	2.31	<2	69	5	6	42	<2	<2	13	2	5	230	0.86	0.11	1.56	0.24	0.02	0.09	776
S0602913	40482	8	5	3	<.4	5	17	<1	5	22	0.92	<2	36	<5	<5	20	<2	<2	14	3	11	146	0.36	0.04	0.64	0.22	0.03	0.04	455
S0602914	32069	14	4	1	<.4	2	24	<1	8	30	1.26	<2	40	<5	<5	27	<2	<2	10	2	5	254	0.39	0.06	1.02	0.18	0.03	0.04	242
S0602915	32070	28	9	5	<.4	9	36	<1	10	32	1.47	<2	43	<5	<5	29	<2	<2	14	4	8	246	0.38	0.07	1.52	0.25	0.03	0.05	475
S0602916	32071	25	6	6	<.4	8	41	<1	9	29	1.60	<2	44	5	<5	33	<2	<2	12	2	7	216	0.42	0.07	1.43	0.18	0.03	0.05	283
S0602917	32072	36	8	13	<.4	8	32	<1	14	41	2.13	<2	56	<5	<5	35	<2	<2	16	3	6	435	0.57	0.06	1.67	0.25	0.03	0.07	428
S0602918	32097	18	6	8	<.4	5	22	<1	9	27	1.60	<2	44	<5	<5	34	<2	<2	15	2	7	237	0.42	0.07	1.31	0.19	0.03	0.05	235
S0602919	32098	33	9	20	<.4	7	44	<1	14	46	2.40	<2	64	5	<5	37	<2	<2	15	4	5	424	0.65	0.07	2.03	0.19	0.04	0.09	406
S0602920	32099	29	7	9	<.4	6	24	<1	11	35	2.03	<2	55	<5	<5	37	<2	<2	16	3	11	395	0.55	0.05	1.46	0.20	0.04	0.07	233
S0602921	32100	29	7	9	<.4	5	25	<1	11	33	1.86	<2	49	10	<5	26	<2	<2	7	2	5	418	0.52	0.03	1.31	0.10	0.03	0.03	255
S0602922	32101	8	4	3	<.4	4	22	<1	5	19	1.18	<2	30	<5	<5	22	<2	<2	7	<2	5	137	0.31	0.03	1.01	0.09	0.03	0.03	275
S0602923	32102	36	13	28	<.4	7	52	<1	15	52	2.64	<2	61	8	<5	35	<2	<2	11	2	8	283	0.57	0.06	2.41	0.20	0.03	0.08	679
S0602924	32103	33	13	24	<.4	5	38	<1	15	53	2.57	<2	59	6	6	36	<2	<2	12	2	8	454	0.66	0.04	2.07	0.20	0.03	0.08	637
S0602925	32106	44	13	11	<.4	8	16	<1	17	34	1.84	<2	45	<5	<5	36	<2	<2	12	3	7	347	0.55	0.05	1.26	0.21	0.04	0.03	420
S0602926	32107	16	6	2	<.4	4	18	<1	6	18	1.26	<2	30	<5	<5	26	<2	<2	11	2	3	233	0.36	0.04	0.86	0.19	0.03	0.03	400

LAB NO	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Ni ppm	Fe %	Mo ppm	Cr ppm	Bi ppm	Sb ppm	V ppm	Sn ppm	W ppm	Sr ppm	Y ppm	La ppm	Mn ppm	Mg %	Ti %	Al %	Ca %	Na %	K %	P ppm
S0602927	32108	24	9	14	<.4	7	38	<1	12	39	2.07	<2	53	<5	<5	33	<2	<2	10	2	7	307	0.56	0.05	1.83	0.17	0.03	0.05	528
S0602928	32109	25	4	1	<.4	4	26	<1	7	23	1.35	<2	34	5	<5	25	<2	<2	10	3	8	132	0.33	0.05	1.14	0.19	0.03	0.04	471
S0602928 rpt		24	7	1	<.4	5	26	<1	7	24	1.34	<2	34	<5	<5	22	<2	<2	9	2	11	131	0.32	0.04	1.12	0.17	0.02	0.03	469
S0602929	32110	16	5	1	<.4	11	13	<1	7	20	1.26	<2	28	<5	<5	26	<2	<2	10	5	10	368	0.36	0.03	0.69	0.25	0.03	0.03	496
S0602930	32111	15	5	1	<.4	7	20	<1	7	20	1.22	<2	30	<5	<5	25	<2	<2	10	2	9	282	0.35	0.03	0.81	0.21	0.03	0.03	469
S0602931	32114	36	11	10	<.4	8	47	<1	13	37	1.80	<2	47	<5	<5	29	<2	<2	8	<2	3	306	0.46	0.04	1.61	0.14	0.03	0.04	310
S0602932	32115	35	8	6	<.4	5	24	<1	11	31	1.69	<2	40	<5	<5	30	<2	<2	12	3	7	353	0.50	0.03	1.16	0.24	0.03	0.03	458
S0602933	32116	26	13	12	<.4	8	37	<1	14	48	1.99	<2	55	9	<5	34	<2	<2	13	2	6	335	0.55	0.05	1.80	0.23	0.03	0.06	480
S0602934	32117	21	9	6	<.4	7	29	<1	10	24	1.53	<2	39	<5	<5	34	<2	<2	13	2	14	273	0.45	0.05	1.21	0.21	0.03	0.05	379
S0602935	32118	14	8	1	<.4	6	23	<1	7	25	1.44	<2	32	<5	<5	29	<2	<2	14	2	6	162	0.42	0.04	1.09	0.33	0.03	0.04	338
S0602936	32119	12	9	5	<.4	7	21	<1	8	24	1.40	<2	36	<5	<5	32	<2	<2	15	3	8	403	0.40	0.05	1.01	0.27	0.03	0.05	431
S0602937	32120	11	7	7	<.4	5	13	<1	10	25	1.50	<2	33	<5	<5	26	<2	<2	12	3	11	364	0.47	0.04	0.87	0.28	0.03	0.03	502
S0602938	32121	37	12	15	<.4	8	32	<1	14	42	2.26	<2	57	<5	<5	38	<2	<2	17	4	13	527	0.62	0.05	1.57	0.32	0.04	0.08	603
S0602939	32122	31	13	22	<.4	8	35	<1	14	49	2.51	<2	63	<5	8	37	<2	<2	10	2	7	399	0.71	0.04	2.01	0.18	0.04	0.08	426
S0602940	32123	58	17	30	<.4	9	57	<1	24	175	2.49	<2	92	<5	7	45	<2	<2	11	3	4	399	0.89	0.08	2.32	0.21	0.03	0.11	618
S0602941	32127	44	17	24	<.4	8	47	<1	16	52	2.43	<2	73	<5	<5	41	<2	<2	8	2	2	281	0.68	0.07	2.23	0.11	0.03	0.07	303
S0602942	32139	31	16	27	<.4	12	65	<1	19	53	2.66	<2	74	<5	5	44	<2	<2	13	4	6	581	0.75	0.06	2.24	0.23	0.03	0.09	498
S0602943	32140	26	17	33	<.4	4	52	<1	16	34	2.53	<2	45	<5	<5	42	<2	<2	29	5	12	531	0.76	0.07	1.68	0.45	0.02	0.06	732
S0602944	32141	11	11	4	<.4	<2	14	<1	13	20	1.51	<2	30	<5	<5	27	<2	<2	12	4	9	461	0.47	0.05	0.81	0.24	0.02	0.03	429
S0602944 rpt		14	12	4	<.4	<2	13	<1	13	20	1.48	<2	29	<5	<5	25	<2	<2	9	4	7	480	0.46	0.04	0.79	0.21	0.03	0.03	434
S0602945	32142	25	17	22	<.4	7	46	<1	15	38	2.26	<2	45	<5	<5	39	<2	<2	13	3	<2	376	0.63	0.06	1.73	0.22	0.03	0.06	404
S0602946	32143	47	16	21	<.4	29	44	<1	14	40	2.06	<2	49	<5	<5	36	<2	<2	13	4	5	269	0.64	0.07	2.02	0.22	0.03	0.07	433
S0602947	40258	38	14	8	<.4	4	30	<1	11	29	1.67	<2	43	<5	<5	32	<2	<2	9	4	10	225	0.47	0.06	1.36	0.18	0.03	0.03	376
S0602948	40259	21	9	2	<.4	7	32	<1	10	23	1.48	<2	33	<5	<5	26	<2	<2	7	3	2	151	0.40	0.05	1.17	0.10	0.02	0.03	155
S0602949	40260	10	11	22	<.4	3	26	<1	9	25	2.03	<2	36	<5	<5	33	<2	<2	8	4	5	188	0.39	0.06	1.78	0.12	0.03	0.03	300
S0602950	40261	62	20	33	<.4	9	39	<1	20	40	2.76	<2	53	<5	<5	44	<2	<2	7	5	20	215	0.52	0.07	2.42	0.12	0.03	0.03	524
S0602951	40262	51	12	8	<.4	4	34	<1	13	36	1.95	<2	39	<5	<5	26	<2	<2	4	3	4	187	0.55	0.04	1.50	0.08	0.02	0.03	281
S0602952	40263	35	10	3	<.4	5	21	<1	10	28	1.89	<2	32	<5	<5	27	<2	<2	6	3	4	170	0.49	0.03	1.39	0.10	0.02	0.02	408
S0602953	40271	23	12	4	<.4	2	36	<1	11	31	1.54	<2	43	<5	<5	23	<2	<2	11	3	8	297	0.45	0.05	1.20	0.22	0.03	0.05	475
S0602954	40272	29	10	4	<.4	4	20	<1	9	22	1.25	<2	34	<5	<5	27	<2	<2	8	3	10	192	0.39	0.05	0.89	0.17	0.03	0.03	359
S0602955	40273	27	14	16	<.4	4	35	<1	12	37	1.70	<2	47	<5	<5	30	<2	<2	9	4	10	171	0.46	0.07	1.59	0.15	0.03	0.04	344
S0602956	40274	15	17	12	<.4	6	37	<1	14	34	2.01	<2	60	<5	<5	35	<2	<2	16	5	10	572	0.61	0.07	1.47	0.27	0.03	0.13	532
S0602957	40356	19	8	1	<.4	4	26	<1	8	21	1.30	<2	34	<5	<5	27	<2	<2	17	4	8	189	0.37	0.07	1.19	0.22	0.03	0.03	358
S0602958	40357	36	17	12	<.4	9	21	<1	15	34	1.89	<2	44	<5	<5	34	<2	<2	9	3	5	250	0.41	0.06	2.19	0.16	0.03	0.03	783
S0602959	40358	20	7	2	<.4	2	23	<1	9	18	1.32	<2	25	<5	<5	27	<2	<2	11	3	5	223	0.38	0.04	0.96	0.17	0.03	0.03	300
S0602960	40359	16	9	<1	<.4	3	23	<1	11	24	1.22	<2	29	<5	<5	22	<2	<2	12	4	10	330	0.35	0.04	0.77	0.20	0.03	0.02	394
S0602961	40360	8	12	<1	<.4	3	13	<1	9	17	1.34	<2	25	<5	<5	21	<2	<2	2	2	3	134	0.24	0.03	1.23	0.03	0.02	0.01	210
S0602962	40361	20	8	<1	<.4	3	13	<1	9	19	1.18	<2	24	5	<5	22	<2	<2	6	3	5	264	0.30	0.03	0.76	0.14	0.03	0.02	383
S0602963	40401	15	11	8	<.4	<2	29	<1	9	23	1.73	<2	36	<5	<5	26	<2	<2	5	4	4	206	0.38	0.05	1.81	0.09	0.03	0.02	439
S0602964	40403	25	19	5	<.4	5	21	<1	10	27	1.45	<2	33	<5	<5	27	<2	<2	7	3	4	220	0.42	0.04	1.14	0.15	0.03	0.02	372
S0602965	40404	42	11	5	<.4	6	25	<1	11	30	1.51	<2	48	<5	<5	31	<2	<2	13	6	18	264	0.51	0.05	0.95	0.23	0.03	0.05	370
S0602966	40405	32	14	14	<.4	5	28	<1	14	40	1.83	<2	46	<5	5	32	<2	<2	10	3	5	176	0.42	0.07	1.72	0.12	0.03	0.04	308
S0602966 rpt		33	12	14	<.4	6	29	<1	14	40	1.87	<2	46	<5	<5	32	<2	<2	8	4	4	178	0.43	0.06	1.76	0.10	0.03	0.03	317

LAB NO	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Ni ppm	Fe %	Mo ppm	Cr ppm	Bi ppm	Sb ppm	V ppm	Sn ppm	W ppm	Sr ppm	Y ppm	La ppm	Mn ppm	Mg %	Ti %	Al %	Ca %	Na %	K %	P ppm
S0602967	40406	22	10	5	<.4	6	32	<1	11	33	1.58	<2	43	<5	<5	27	<2	<2	10	3	5	301	0.48	0.05	1.23	0.20	0.03	0.04	432
S0602968	40407	11	14	22	<.4	3	41	<1	11	35	2.07	<2	45	<5	6	30	<2	<2	9	3	<2	198	0.43	0.06	2.15	0.12	0.03	0.03	298
S0602969	40408	26	12	16	<.4	5	56	<1	13	38	1.83	<2	47	<5	<5	29	<2	<2	11	4	3	366	0.54	0.05	1.48	0.19	0.03	0.05	405
S0602970	40409	25	12	4	<.4	3	28	<1	11	33	1.63	<2	52	<5	5	29	<2	<2	7	3	5	201	0.54	0.06	1.41	0.12	0.02	0.02	229
S0602971	40410	18	14	11	<.4	5	50	<1	11	31	1.66	<2	39	<5	<5	23	<2	<2	4	2	6	239	0.45	0.03	1.42	0.07	0.02	0.02	257
S0602972	40411	17	12	17	<.4	5	31	<1	12	45	2.18	<2	65	<5	<5	28	<2	<2	6	4	7	249	0.56	0.05	2.49	0.11	0.02	0.04	352
S0602973	40485	15	11	18	<.4	5	41	<1	13	38	2.19	<2	42	<5	<5	27	<2	<2	7	3	7	281	0.67	0.03	1.73	0.10	0.03	0.04	489
S0602974	40486	17	12	8	<.4	<2	27	<1	12	30	1.96	<2	42	<5	<5	29	<2	<2	10	3	6	287	0.54	0.05	1.41	0.12	0.03	0.04	343
S0602975	40487	26	12	9	<.4	3	38	<1	14	35	1.97	<2	41	<5	<5	29	<2	<2	10	3	7	317	0.59	0.04	1.41	0.13	0.03	0.04	271
S0602976	40492	14	10	6	<.4	3	31	<1	9	26	1.69	<2	34	<5	<5	28	<2	<2	10	4	7	326	0.46	0.04	1.21	0.14	0.03	0.04	275
S0602977	40493	29	11	8	<.4	3	33	<1	12	29	1.90	<2	41	<5	<5	30	<2	<2	11	3	6	349	0.52	0.04	1.41	0.16	0.03	0.06	343
S0602978	40494	16	11	17	<.4	4	56	<1	14	41	2.31	<2	46	<5	<5	35	<2	<2	9	3	2	316	0.57	0.04	1.87	0.13	0.03	0.05	279
S0602979	40495	37	10	13	<.4	<2	35	<1	11	32	1.86	<2	39	<5	<5	32	<2	<2	12	3	5	237	0.50	0.05	1.69	0.17	0.03	0.05	439
S0602980	40496	22	8	<1	<.4	6	18	<1	7	15	1.22	<2	27	<5	<5	22	<2	<2	12	6	15	195	0.29	0.04	0.90	0.27	0.03	0.04	201
S0602981	40497	27	10	1	<.4	4	34	<1	9	23	1.48	<2	29	<5	<5	23	<2	<2	5	2	3	320	0.43	0.02	1.04	0.11	0.03	0.03	341
S0602982	40500	28	9	4	<.4	5	37	<1	11	27	1.83	<2	35	<5	<5	32	<2	<2	7	2	5	244	0.50	0.03	1.29	0.10	0.02	0.03	208
STD: DA		133	237	758	5.2	50	488	3	15	48	3.70	4	45	<5	7	64	<2	<2	40	9	10	794	0.62	0.07	2.22	0.56	0.05	0.16	1103
STD: DA		135	238	765	6.2	47	492	3	15	48	3.70	4	44	<5	8	68	<2	<2	41	9	11	794	0.62	0.06	2.20	0.57	0.05	0.17	1099
STD: DA		166	257	713	5.7	60	577	4	17	65	4.32	5	73	<5	6	74	<2	<2	47	10	15	959	0.72	0.07	2.54	0.68	0.06	0.21	1337
STD: DA		163	262	761	6.4	63	549	4	16	56	4.10	5	50	<5	10	62	<2	<2	44	10	16	954	0.66	0.05	2.27	0.67	0.05	0.20	1342
STD: DA		120	229	673	6.2	48	464	4	13	40	3.26	4	34	<5	10	54	<2	<2	36	9	10	695	0.53	0.04	1.79	0.50	0.03	0.13	970

I=insufficient sample X=small sample E=exceeds calibration C=being checked R=revised

If requested analyses are not shown, results are to follow

#### ANALYTICAL METHODS

ICP PACKAGE : 0.5 gram sample digested in hot reverse aqua regia (soil,silt) or hot Aqua Regia(rocks).

*Alice Kwan*  
 Alice Kwan, Chemist-Teck Cominco G.D.L.