

GEOCHEMICAL ASSESSMENT REPORT

on the

Broken Hill - Leo Property

(VISTA, VISTA A, VISTA 1-8, 10, 11, 14-19; NAVAN 0-3, 5-11, 15, 17-26;
MIKE; MIK1; MIK2; MIKY; JIMM; DIAN; LEO 1, 2; LL1-8)
Kamloops Mining Division

N.T.S. 82M/14
Latitude 51° 50' N
Longitude 119° 15' W

For

B2B Solutions Inc.
Suite 301 – 747 17th Street,
West Vancouver, British Columbia, V7V 3T4

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

Joseph E.L. Lindinger, P.Geol.

November 28, 2003

27,271

Table of Contents

| | |
|---|-----------|
| Summary | 1 |
| Introduction and Terms of Reference | 3 |
| Property Description and Location | 3 |
| Accessibility, Climate, Local Resources, Infrastructure and Physiography | 5 |
| History | 9 |
| Geological Setting | 10 |
| Regional Geology | |
| Property Geology | |
| Deposit Types | 14 |
| Mineralization | 14 |
| 2003 Exploration | 17 |
| Soil Geochemistry | |
| Rock Geochemistry | |
| Sampling Method and Approach | 17 |
| Soil Samples | |
| Rock Samples | |
| Sample Preparation, Analyses, and Security | 18 |
| Data Verification | 18 |
| Interpretation and Conclusions | 18 |
| Soil Sampling | |
| Rock Sampling | |
| Recommendations | 20 |
| References | 22 |
| Statement of Qualifications | 23 |

List of Tables

| | | |
|----------------|--|----|
| Table 1 | Broken Hill – Leo Property Mineral Claims..... | 4 |
| Table 2 | Broken Hill 2003 Expenditures..... | 19 |
| Table 3 | Proposed Exploration Budget..... | 21 |

List of Figures

| | | |
|------------------|---|------------|
| Figure 1 | Location Map..... | 6 |
| Figure 2 | Topography and Access (1:50,000) | 7 |
| Figure 3 | Mineral Tenure Map (1:50,000)..... | 8 |
| Figure 4 | Regional Geology..... | 12 |
| Figure 5 | Preliminary Property Geology | 13 |
| Figure 6 | 2003 Rock Sample Location Map..... | Appendix 2 |
| Figure 7a | Zinc Geochemical Results – Mike Area..... | Appendix 2 |
| Figure 7b | Lead Geochemical Results – Mike Area | Appendix 2 |
| Figure 7c | Silver Geochemical Results – Mike Area..... | Appendix 2 |

Appendices

| | |
|-------------------|--|
| Appendix 1 | Analytical Results – Soil and Rock Samples |
| Appendix 2 | 2003 Rock Sample Location Map and Zinc, Lead and Silver Soil Results |
| Appendix 8 | 2003 Rock Descriptions |

Summary

The 133 unit (approximately 3,325 hectares) Broken Hill - Leo Mineral Property is located approximately 150 kilometres north-northeast of Kamloops and 6 kilometres east of the village of Avola, British Columbia on NTS map sheet 082M/14.

The property covers three showings discovered in September 2000; the Vista (15.9% Zn over 0.3m), Navan (21.5% Zn, 3.8% Pb and 11 g/t Ag), and Mike (20% Zn in float) occurrences. Later in 2000, Cassidy Gold Corporation entered into an option agreement with Mr. J.E.L. (Leo) Lindinger, to earn a 100% interest in the property. Cassidy terminated the agreement on September 6, 2001.

On October 7, 2002, Cross Gold Corporation entered into an option agreement with Mr. Lindinger to acquire a 100 percent right, title and interest in the Broken Hill-Leo property, subject to a 2% purchasable Net Smelter Return (NSR). To fulfill the terms of the agreement, Cross Gold Corporation was to make \$46,200 in cash payments and complete \$270,000 in work commitments over a 4-year period. On November 5, 2002, B2B Solutions Inc. entered into an option agreement with Cross Gold Corp. to acquire a 100 percent right, title and interest in the property, subject to the 2% NSR royalty reserved in favour of Mr. Lindinger. In order to maintain the Option in good standing, B2B was to: (1) make scheduled cash payments to Cross Gold Corp. totalling \$75,000 by October 1, 2005; (2) issue up to 300,000 shares in the capital stock of B2B to Cross Gold Corp. as prescribed in the agreement; and (3) incur at least \$400,000 in exploration and/or development expenditures on the Broken Hill-Leo Property by November 5, 2006. On October 25, 2003, B2B Solutions Inc. acquired 100% ownership of Cross Gold Corp. and its assets.

The Broken Hill - Leo Property is underlain by highly deformed, high-grade metamorphic rocks of the Proterozoic to Paleozoic Shuswap Metamorphic Complex within Kootenay Terrane. Similar rocks to the east are assigned to the Proterozoic Horsethief Creek Group. The sequence consists of three distinct lithological packages; a lower amphibolite-biotite gneiss unit, a middle biotite gneiss - calc-silicate unit with minor marble and chert, and an upper mixed siliceous biotite schist and quartzite unit. The middle unit hosts known zinc-lead-silver mineralization in the region, and on the property. All lithologies are intruded by Devonian orthogneisses, Cretaceous and Tertiary felsic stocks, plugs, sills and dykes. Late Tertiary andesitic to mafic plugs and dykes, and lamprophyric dykes are common.

The Broken Hill - Leo Property covers a 9 kilometre strike extent of carbonate stratigraphy on the east side of the North Thompson River valley, favourable for hosting high-grade zinc-lead-silver 'Shuswap-style' mineralization similar to the nearby Ruddock Creek and CK Deposits. The Vista Showing is in the northwest part of the claims. The Navan Showings are located 1.3 km southeast of the Vista Showing. The Mike Float Showing is located 4 kilometres south of the Navan occurrence.

The property has no recorded mineral exploration history prior to September, 2000. From late September 2000 to early February 2001, Cassidy Gold completed a multi-phased rock and soil geochemical, gravity geophysical, and diamond drilling program over parts of the Broken Hill-Leo property to test the economic potential of the property for Shuswap style (carbonate-hosted sedimentary exhalative-type) mineralization.

In early October 2000, a single grid was established over the new discoveries to provide control for multi-element geochemical soil and rock sampling programs. Results from this program partially outlined strong zinc, lead and silver geochemical soil anomalies. The rock sampling program detailed and expanded the mineralization in and around the known showings.

In late November to early December 2000, part of the control grid was brushed and expanded to allow a gravity survey to be completed over the prospective area over and between the Vista and Navan showings. Although the completed gravity survey did not extend to the Vista and Navan showings, it did produce several drill targets on moderate intensity anomalies.

In January and February, 2001, Cassidy completed a 930-metre, 13-hole diamond drill program. The holes tested approximately 1.2 kilometers of strike length along the mineralized horizon between the Vista

and Navan showings, mainly on gravity anomalies. Several holes tested the down dip extent of known mineralization at the Vista and Navan Showings. The Mike area was not tested. The drill program was successful in intersecting both the Vista and Navan mineralized horizons down dip from the surface exposures. Drilling results indicate that the Vista and Navan Horizons are the same.

Drilling intersected a mineralized portion of the Vista Horizon in DDH-BH-01-03 and DDH-BH-01-13, approximately 500 metres east-southeast of the Vista Showing. A weighted average of the mineralized zone in hole DDH-BH-01-13 yielded 2.5% Zn over 3.9 metres (2.3 metres true width). Magnetic pyrrhotite is also present. Another mineralized intersection in DDH-BH-01-03, was interrupted by a pegmatite sill, with the remaining mineralization grading 1.2% Zn over 1.1 metres (true width).

DDH-BH 01-06 successfully intersected the Navan Horizon 25 metres down dip from the surface showing. However, the mineralization was disrupted, diluted and truncated by a pegmatite sill. The diluted intersection grades 1.2% Zn with 0.1% Pb over 0.25 metres. The Navan Horizon should also have been intersected in DDH-BH 01-05, 01-07 and possibly in the very top of DDH-BH-01-08, but a large sill of pegmatitic leucogranite-tonalite intrusive invades the stratigraphy in this area.

Zinc mineralization is absent in the other holes for several reasons. In a few cases, holes were located too low in the stratigraphy, missing the mineralized horizon. A few may not have been drilled deep enough. In several other cases, the mineralized horizon was invaded and destroyed by pegmatite sills.

Exploration resumed in late October 2003, with a soil sampling program in the Mike area and a preliminary property-wide geological mapping and rock sampling program. The soil sample results indicate that the Mike zone can be traced as combined zinc, lead, silver and manganese anomalies for 700 meters. Smaller anomalies occur to the northwest. The mapping program followed the prospective carbonate horizon hosting the Mike zone mineralization to the northwest and a lower carbonate horizon to the south from north of the Leo claims. Rock sampling did not discover more zinc mineralization but did outline one area of sulphide bearing skarnified carbonate or "Bizar style" bismuth-copper-tungsten+/-gold mineralization, in the northern part of the Mike Grid.

Previous work, including soil sampling, gravity survey, and diamond drilling, has focused on the area between the Vista and Navan Showings. The areas north and east of the Vista occurrence remain to be tested. A new soil geochemical anomaly, up to 700 meter long by 100 meter wide, presents another obvious drill target. The prospective stratigraphy between the Vista-Navan-Mike Horizon and the bottom of the North Thompson River valley, the extensions of the calc-silicate horizon southeast of the Navan occurrence, and many other prospective areas of the property remain largely unexplored. Prospective stratigraphy needs to be traced and mapped along strike and down-dip. In particular, fold closures need to be defined in order to target areas of potential thickening. The excellent access and infrastructure add to the potential of the property.

A property wide program of grid construction, detailed geological and structural mapping, prospecting, rock and soil geochemical sampling, ground or airborne magnetic surveys is recommended. Excavator trenching of the Vista and Mike showings, and any newly discovered mineralization is also recommended. Diamond drilling is proposed for targets already outlined in the Vista, Navan and Mike areas, and targets discovered in the preceding exploration phases. Total program budget is \$175,000.

Introduction and Terms of Reference

The author, Joseph E.L. Lindinger, P.Geo., is the current owner of the Broken Hill - Leo Property.

The work documented in this report covers the results of soil and rock sampling program completed between October 26 and November 1, 2003. The 2003 soil sampling program was completed under the supervision of Peter Bernier of SabreX Contracting Ltd. Leo Lindinger, P.Geo., the property vendor, participated in these programs in a logistical and technical support capacity. Mr. Lindinger, P.Geo., also participated in a preliminary 2003 geological mapping program with the assistance of independent field assistant Tricia Sullivan.

The conclusions and recommendations made in this report are those of Mr. Wild, P.Eng. senior author of the report entitled REPORT ON EXPLORATION ACTIVITES for B2B Solutions inc. dated November 25, 2003.

Property Description and Location

The Broken Hill-Leo Property covers approximately 3325 hectares in east-central British Columbia, 150 kilometres north-northeast of Kamloops, B.C., within the Kamloops Mining Division (Figure 1). The centre of the property sits at 51° 50'N and 119° 15'W (NTS 082M/14) and 5744540 mN and 345500 mE, UTM Grid Zone 11 (NAD 83).

The property consists of eight 20-unit modified grid mineral claims and 48 2-post mineral claims, all contiguous (Figure 3). Table I contains information on the individual claims. The claims are currently 100% owned by Joseph (Leo) Lindinger. No legal survey has been completed on the property.

B2B Solutions Inc. holds an option to acquire a 100% right, title and interest in the property, subject to a 2% net smelter returns royalty reserved in favour of Leo Lindinger, pursuant to a Property Option Agreement entered into with Leo Lindinger, dated October 7, 2002. In order for B2B Solutions Inc. to maintain the Option in good standing, B2B Solutions Inc. must: (1) make scheduled cash payments to Leo Lindinger totalling \$46,200 by October 7, 2005; and (2) incur at least \$270,000 in exploration and/or development expenses on the Broken Hills-Leo Property by October 7, 2006. The net smelter return royalty may be bought for \$1,500,000. On October 25, 2003, B2B Solutions Inc., acquired 100% ownership of Cross Gold Corp. and its assets.

Cassidy Gold Corporation previously had an option to earn a 100% interest in the property. Cassidy terminated the agreement on September 6, 2001.

The Broken Hill-Leo property is not subject to any known environmental liabilities. The surface rights are owned by the Crown.

The claims cover the recently discovered Vista, Navan and Mike high grade carbonate associated zinc+/-lead+/-silver occurrences, near the west-central boundary of the property (Figure 5). There are no known mineral resources, mineral reserves or mine workings on the property.

Table 1
Broken Hill - Leo Property Mineral Claims

| Claim | Record No. | Units | Expiry Date | Claim | Record No. | Units | Expiry Date |
|---------|------------|-------|-------------------|----------|------------|-------|-------------------|
| VISTA | 380752 | 4 | November 2, 2004* | NAVAN 15 | 380786 | 1 | November 2, 2004* |
| VISTA 1 | 380753 | 1 | November 2, 2004* | NAVAN 17 | 380788 | 1 | November 2, 2004* |
| VISTA 2 | 380754 | 1 | November 2, 2004* | NAVAN 18 | 380789 | 1 | November 2, 2004* |
| VISTA 3 | 380755 | 1 | November 2, 2004* | NAVAN 19 | 380790 | 1 | November 2, 2004* |
| VISTA 4 | 380756 | 1 | November 2, 2004* | NAVAN 20 | 380791 | 1 | November 2, 2004* |

| | | | | | | | |
|----------|--------|---|-------------------|----------|--------|----|-------------------|
| VISTA 5 | 380757 | 1 | November 2, 2004* | NAVAN 21 | 380792 | 1 | November 2, 2004* |
| VISTA 6 | 380758 | 1 | November 2, 2004* | NAVAN 22 | 380793 | 1 | November 2, 2004* |
| VISTA 7 | 380759 | 1 | November 2, 2004* | NAVAN 23 | 380794 | 1 | November 2, 2004* |
| VISTA 8 | 380760 | 1 | November 2, 2004* | NAVAN 24 | 380795 | 1 | November 2, 2004* |
| VISTA 10 | 380762 | 1 | November 2, 2004* | NAVAN 25 | 380796 | 1 | November 2, 2004* |
| VISTA 11 | 380763 | 1 | November 2, 2004* | NAVAN 26 | 380889 | 1 | November 2, 2004* |
| VISTA 14 | 380766 | 1 | November 2, 2004* | MIKE | 380890 | 20 | November 2, 2004* |
| VISTA 15 | 380767 | 1 | November 2, 2004* | VISTA A | 380891 | 8 | November 2, 2004* |
| VISTA 16 | 380768 | 1 | November 2, 2004* | MIK1 | 381767 | 1 | November 2, 2004* |
| VISTA 17 | 380769 | 1 | November 2, 2004* | MIK2 | 381768 | 1 | November 2, 2004* |
| VISTA 18 | 380770 | 1 | November 2, 2004* | MIKY | 381777 | 8 | November 2, 2004* |
| VISTA 19 | 380771 | 1 | November 2, 2004* | JIMM | 381778 | 3 | November 2, 2004* |
| NAVAN 0 | 380772 | 1 | November 2, 2004* | DIAN | 381779 | 2 | November 2, 2004* |
| NAVAN 1 | 380773 | 1 | November 2, 2004* | LEO 1 | 381891 | 20 | November 2, 2004* |
| NAVAN 2 | 380774 | 1 | November 2, 2004* | LEO 2 | 381892 | 20 | November 2, 2004* |
| NAVAN 3 | 380775 | 1 | November 2, 2004* | LL1 | 381393 | 1 | November 2, 2004* |
| NAVAN 5 | 380776 | 1 | November 2, 2004* | LL2 | 381894 | 1 | November 2, 2004* |
| NAVAN 6 | 380777 | 1 | November 2, 2004* | LL3 | 381895 | 1 | November 2, 2004* |
| NAVAN 7 | 380778 | 1 | November 2, 2004* | LL4 | 381896 | 1 | November 2, 2004* |
| NAVAN 8 | 380779 | 1 | November 2, 2004* | LL5 | 381897 | 1 | November 2, 2004* |
| NAVAN 9 | 380780 | 1 | November 2, 2004* | LL6 | 381898 | 1 | November 2, 2004* |
| NAVAN 10 | 380781 | 1 | November 2, 2004* | LL7 | 381899 | 1 | November 2, 2004* |
| NAVAN 11 | 380782 | 1 | November 2, 2004* | LL8 | 381900 | 1 | November 2, 2004* |

* upon acceptance for assessment credit of the work documented in this report.

Accessibility, Climate, Local Resources, Infrastructure and Physiography

The Broken Hill-Leo property is located on the east side of the steep-sided North Thompson River valley, 150 km north-northeast of Kamloops, and 6 km northeast and east of the village of Avola, British Columbia (Figure 2). The region lies at the northwest end of the Shuswap Highland portion of the Interior Plateau, in an area of moderate to steep topographic relief. The North Thompson River occupies a south draining, steeply incised valley, approximately 1200 metres below the surrounding plateau. The property ranges from 580 metres elevation in the North Thompson valley to 1,750 metres on the Mike, Jimm and Dian claims east and south of Shannon Lake. The vegetation on the lower parts of the property consists of lodgepole pine, interior fir and black spruce. Balsam predominates at upper elevations, with pine on dry, substrate deficient cliffs.

Road access to the property is via Highway 5 (Yellowhead Highway) and east onto the Shannon Creek Forest Service Road, 0.5 kilometres north of Avola. The Shannon Creek FSR crosses through the property between 12.1 and 19 kilometres. The Cornice logging road originates at the 11.5 kilometres mark of the Shannon Creek FSR, and runs onto the property near the 3 kilometre mark, accessing the areas west of Fowler Lake. The Fowler logging road originates at 17.5 kilometres on the Shannon Creek FSR and accesses the east-central side of the property. The Dustin-Shannon spur originates at 15.5 kilometres on the Shannon Creek FSR and accesses the east side of Shannon Lake. Road access to the north part of the property is via Highway 5, 19 kilometres north of Avola, east onto the Finn Creek FSR, and south onto the Elevator logging road from the 0.75 kilometres mark. The property is first accessed at approximately 6 kilometres on the Elevator logging road.

Basic accommodation, food, and fuel are available in the village of Avola immediately southeast of the property. The village of Blue River 20 kilometres north of the property, has good accommodations, food and fuel, and is serviced by Greyhound Canada. The City of Kamloops, located 180 road kilometres south, is the main centre of service and supply for the area. Logging is the primary resource activity in the region. Access to numerous equipment contractors is available on relatively short notice.

The climate is moderately wet continental. Snowfall can exceed 4 metres at higher elevations, and rain showers are common in the summer and fall. Temperatures range from -25°C in winter to $+30^{\circ}\text{C}$ in summer. Most surface mineral exploration can be conducted between May and early November. Geophysical exploration and mining can take place year round.

The CN Rail mainline in the north Thompson River valley is less than 2.5 kilometres west of the property. A medium sized high tension power line strikes through the west side of the valley. Gas and oil pipelines are located in the valley. Sufficient water and room for potential waste disposal, tailings storage, and processing plant sites all exist in the general project area.

BRITISH COLUMBIA



BROKEN HILL PROJECT

KAMLOOPS

0 250 KM

VANCOUVER



B2B SOLUTIONS INC.
BROKEN HILL PROPERTY
FIGURE 1
LOCATION MAP
AVOLA AREA

KAMLOOPS MINING DIVISION

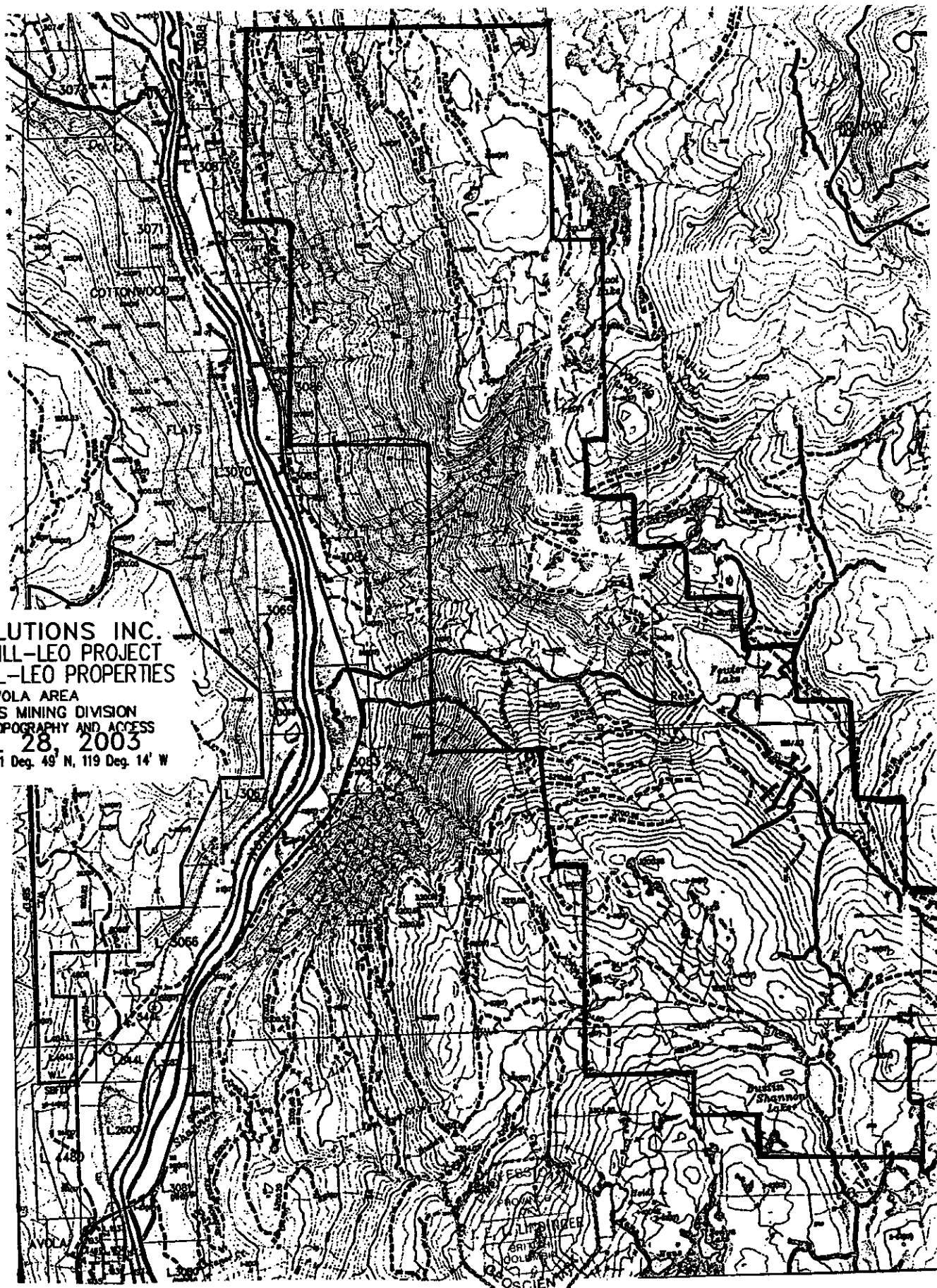
MrS 082M/14 - 51 Deg. 49' N, 119 Deg. 14' W

APRIL 28, 2003

GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES

**B2B SOLUTIONS INC.
BROKEN HILL-LEO PROJECT
BROKEN HILL-LEO PROPERTIES**

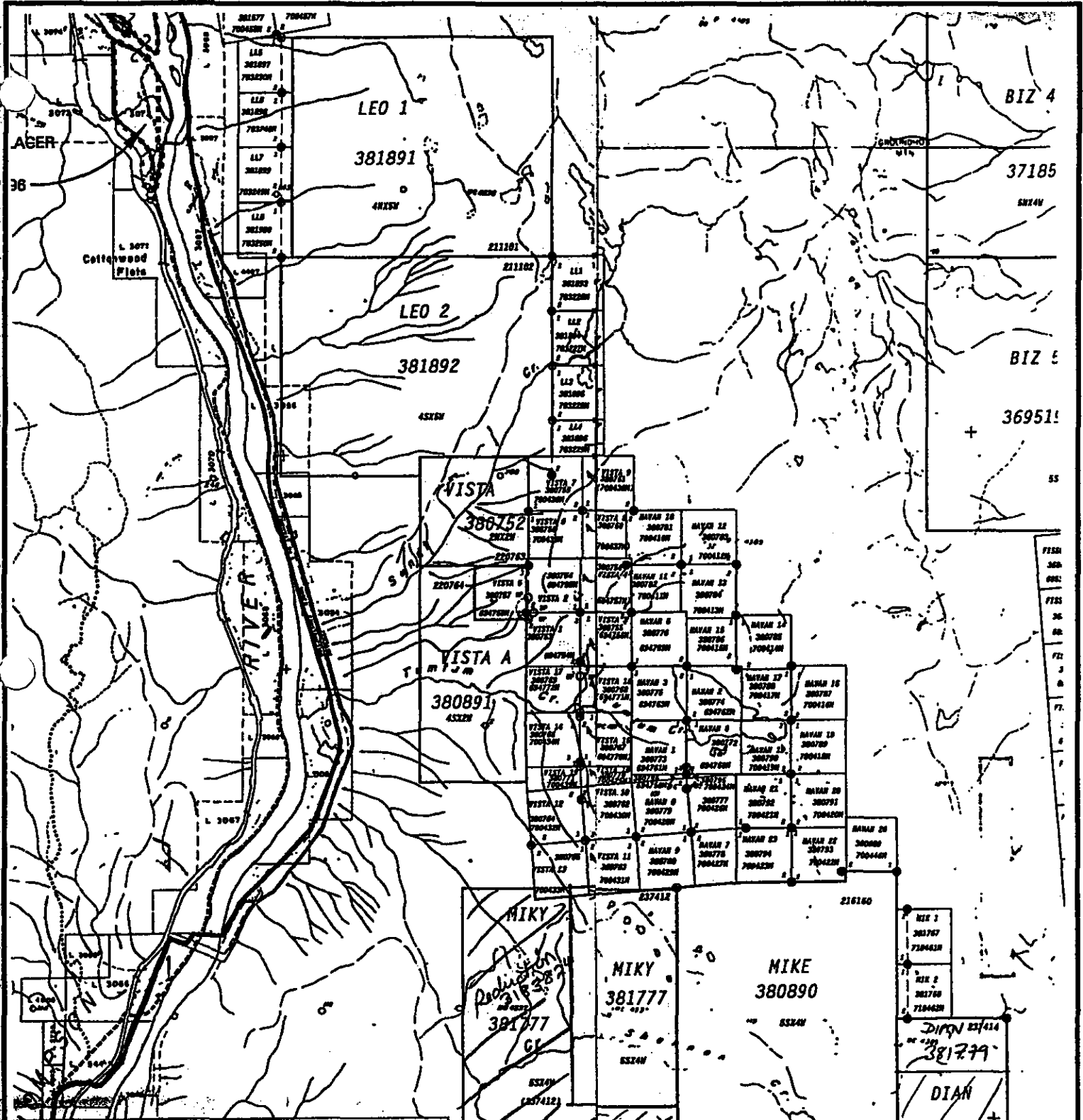
AVOLA AREA
KAMLOOPS MINING DIVISION
FIGURE 2 - TOPOGRAPHY AND ACCESS
APRIL 28, 2003
NTS 082N/14 - 51 Deg. 49' N, 119 Deg. 14' W



0 2 km

GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES

1: 50000



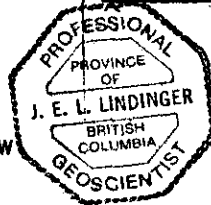
B2B SOLUTIONS INC.
BROKEN HILL-LEO PROJECT
BROKEN HILL-LEO PROPERTIES

AVOLA AREA
 KAMLOOPS MINING DIVISION
 FIGURE 3 - MINERAL TENURE MAP
APRIL 28, 2003

NTS 082M/14 - 51 Deg. 49' N, 119 Deg. 14' W
 0 2 km

1: 50000

GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES



MIKY
Radwin
 381777
 CL

MIKY
 381777
 ESSAN

MIKE
 380890
 ESSAN

DIAN
Radwin
 381779

JIMM
 381778

JIMM
 381778

MIKE 1
 381787
 720462H

MIKE 2
 381788
 720462H

MIKE 3
 381789
 720462H

MIKE 4
 381790
 720462H

MIKE 5
 381791
 720462H

MIKE 6
 381792
 720462H

MIKE 7
 381793
 720462H

MIKE 8
 381794
 720462H

MIKE 9
 381795
 720462H

MIKE 10
 381796
 720462H

MIKE 11
 381797
 720462H

MIKE 12
 381798
 720462H

MIKE 13
 381799
 720462H

MIKE 14
 381800
 720462H

MIKE 15
 381801
 720462H

MIKE 16
 381802
 720462H

MIKE 17
 381803
 720462H

MIKE 18
 381804
 720462H

MIKE 19
 381805
 720462H

MIKE 20
 381806
 720462H

MIKE 21
 381807
 720462H

MIKE 22
 381808
 720462H

MIKE 23
 381809
 720462H

MIKE 24
 381810
 720462H

MIKE 25
 381811
 720462H

MIKE 26
 381812
 720462H

MIKE 27
 381813
 720462H

MIKE 28
 381814
 720462H

MIKE 29
 381815
 720462H

MIKE 30
 381816
 720462H

MIKE 31
 381817
 720462H

MIKE 32
 381818
 720462H

MIKE 33
 381819
 720462H

MIKE 34
 381820
 720462H

MIKE 35
 381821
 720462H

MIKE 36
 381822
 720462H

MIKE 37
 381823
 720462H

MIKE 38
 381824
 720462H

MIKE 39
 381825
 720462H

MIKE 40
 381826
 720462H

MIKE 41
 381827
 720462H

MIKE 42
 381828
 720462H

MIKE 43
 381829
 720462H

MIKE 44
 381830
 720462H

MIKE 45
 381831
 720462H

MIKE 46
 381832
 720462H

MIKE 47
 381833
 720462H

MIKE 48
 381834
 720462H

MIKE 49
 381835
 720462H

MIKE 50
 381836
 720462H

MIKE 51
 381837
 720462H

MIKE 52
 381838
 720462H

MIKE 53
 381839
 720462H

MIKE 54
 381840
 720462H

MIKE 55
 381841
 720462H

MIKE 56
 381842
 720462H

MIKE 57
 381843
 720462H

MIKE 58
 381844
 720462H

MIKE 59
 381845
 720462H

MIKE 60
 381846
 720462H

MIKE 61
 381847
 720462H

MIKE 62
 381848
 720462H

MIKE 63
 381849
 720462H

MIKE 64
 381850
 720462H

MIKE 65
 381851
 720462H

MIKE 66
 381852
 720462H

MIKE 67
 381853
 720462H

MIKE 68
 381854
 720462H

MIKE 69
 381855
 720462H

MIKE 70
 381856
 720462H

MIKE 71
 381857
 720462H

MIKE 72
 381858
 720462H

MIKE 73
 381859
 720462H

MIKE 74
 381860
 720462H

MIKE 75
 381861
 720462H

MIKE 76
 381862
 720462H

MIKE 77
 381863
 720462H

MIKE 78
 381864
 720462H

MIKE 79
 381865
 720462H

MIKE 80
 381866
 720462H

MIKE 81
 381867
 720462H

MIKE 82
 381868
 720462H

MIKE 83
 381869
 720462H

MIKE 84
 381870
 720462H

MIKE 85
 381871
 720462H

MIKE 86
 381872
 720462H

MIKE 87
 381873
 720462H

MIKE 88
 381874
 720462H

MIKE 89
 381875
 720462H

MIKE 90
 381876
 720462H

MIKE 91
 381877
 720462H

MIKE 92
 381878
 720462H

MIKE 93
 381879
 720462H

MIKE 94
 381880
 720462H

MIKE 95
 381881
 720462H

MIKE 96
 381882
 720462H

MIKE 97
 381883
 720462H

MIKE 98
 381884
 720462H

MIKE 99
 381885
 720462H

MIKE 100
 381886
 720462H

History

The oldest known significant zinc-lead-silver massive sulphide base metal discoveries in the region include Cotton Belt (1905) and Ruddock Creek (1961) to the east in the Monashee Mountains. With increased access due to logging activity, occurrences such as the CK (1972) and Finn (1978) zinc-lead-silver massive sulphide deposits, Dimac tungsten skarn, and the Trio and Hydro molybdenum prospects were discovered. More recent discoveries include the Bizar Au-Bi-Cu veins (1998) east of Ground Hog Mountain, the Readymix Au-Bi-Cu veins (2000) about 10 km to the west, and the Broken Hill massive sulphide showings (2000).

A government regional geochemical silt survey was completed in 1972. Results indicate that drainages originating from the current Broken Hill - Leo property are moderately to weakly anomalous in zinc, lead and gold. Since 1979, various prospectors and mining companies have staked claims north, south and east of the area now covered by the Broken Hill - Leo Property.

Prior to the discovery of the Vista, Navan and Mike (Broken Hill) zinc-lead-silver massive sulphide showings in September 2000, mineral exploration on the current Broken Hill - Leo Property was limited to prospecting.

In September 2000, the newly staked Broken Hill Property was optioned to Cassidy Gold Corporation. In October 2000, Cassidy conducted limited geological mapping and soil and rock sampling over approximately 5 square kilometres in the central part of the Broken Hill Property. A total of 479 soil samples and 30 rock samples were collected under the supervision of Warner Gruenwald, P.Geo. (Gruenwald, 2000). This program produced several open-ended soil anomalies (Figures 7a-d). Subsequently, additional claims were staked, including the Leo claims north of the Vista area.

In December 2000, a gravity survey was completed by Discovery Geophysics Ltd. (Kubo and Woods, 2001). In late January and early February, 2001, a 13 hole, 930 metre diamond drill program was completed by LDS Diamond Drilling Ltd. of Kamloops, B.C. The drill program targeted gravity and geochemical anomalies and down dip extensions of the Vista and Navan mineralized horizons (Lindinger and Pautler, 2001). Results from the diamond drilling program were generally disappointing.

Based on those results, Cassidy terminated the option agreement on September 6, 2001.

On October 7, 2002, Cross Gold Corporation entered into an option agreement with Mr. Lindinger to earn a 100 percent right, title and interest in the Broken Hill - Leo property, subject to a 2% purchasable net smelter return royalty.

On November 5, 2002, B2B Solutions Inc. entered into an option to acquire a 100 percent right, title and interest in the property, subject to a 2% net smelter return royalty reserved in favour of the underlying owner.

On October 25, 2003, B2B Solutions Inc. acquired 100% ownership of Cross Gold Corp. and its assets, including the option on the Broken Hill - Leo Property.

On November 1, 2003, a program of soil sampling, geological mapping and rock sampling program was completed at a total cost of approximately \$25,000, prior to the November 2, 2003, tenure expiry date.

Geological Setting

Regional Geology

The northern Monashee Mountains are underlain by rocks of Kootenay Terrane within the Omineca Belt. The property is underlain by the Shuswap Metamorphic Complex consisting of late Proterozoic to early Paleozoic marine sediments and rare volcanic rocks, derived from the ancestral margin of North America (Wheeler 1992), and tentatively assigned to the Horsethief Creek Group (Gibson, 1991). The Complex has undergone extensive metamorphism and multiple episodes of deformation, due to collisional orogenic episodes during the Devonian, early Jurassic, mid to late Cretaceous and early to mid Tertiary (Figure 4). Coincident with these orogenic episodes, magmatic rocks intruded the rock package. Host lithologies underwent deep burial and deformation until the earliest Tertiary. Significant uplift, and erosion occurred from the mid to late Tertiary. The uplift was accompanied by north trending trans-tensional (basin and range) faulting and emplacement of felsic to intermediate stock and dikes, and recent basaltic and lamprophyric dykes.

Property Geology

The Broken Hill - Leo Property is underlain by deformed rocks of the Shuswap Metamorphic Complex within Kootenay Terrane. At least three phases of ductile deformation can be identified. The metamorphic grade of these rocks is upper amphibolite. The sequence is interpreted to consist of three distinct lithological packages that are strongly intruded by pegmatite sills and dykes (Evans, 1993).

The overall stratigraphic sequence of the property has not been mapped (Figure 5). Rocks strike to the north with moderate east dips. A series of parallel late stage open and upright folds plunge to the east. The general stratigraphy near the mineralized horizons in the Vista and Navan areas is somewhat better known and is described by Lindinger and Pautler (2001) as follows:

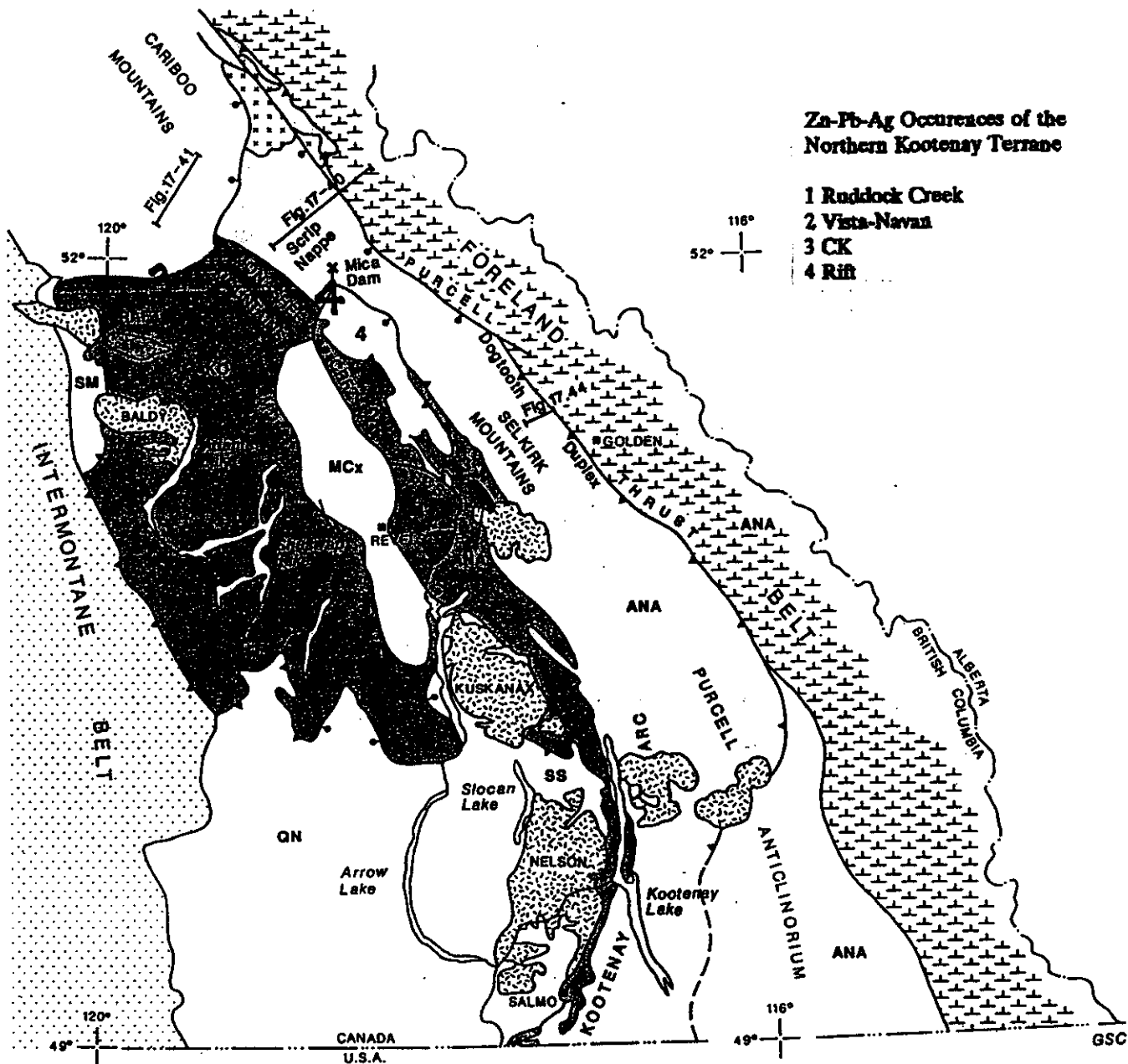
The lowest structural package consists of amphibolite with lesser biotite gneiss and forms a thick monotonous sequence. This is overlain by a sequence dominated by biotite gneiss. The third package consists of calc-silicate rocks with minor marble and chert. This package hosts the known zinc-lead-silver mineralization at the Vista, Navan and Mike Showings, on the property. The Broken Hill-Leo property covers an unexplored 9 km extent of the favourable lithology. In addition the Finn and Pica zinc-lead-silver occurrences lie 4 km and 3 km to the north-northwest of the property, respectively (Evans, 1993).

The rocks, although highly folded, have a common north to northwesterly strike with moderate easterly dips. Secondary fold structures observed elsewhere, include late easterly trending roll folds that may reflect larger structures.

Invading the host lithologies is an augen orthogneiss of assumed Devonian Age, which has been observed along the east side of the property. The rocks have been further intruded by weakly deformed to massive leucogranites of late Cretaceous and early Tertiary ages. Accompanying and/or post dating in part, the larger intrusive bodies, are at least two generations of coarse grained leucogranite intrusions, including pegmatite. These occur as tabular to highly irregular cross cutting and concordant pods, dykes and sills. Undeformed mid Tertiary (and later?) intrusions include grey 'dacitic' feldspar porphyry stocks and dykes intrude steeply dipping brittle tensional fractures. Melanocratic lamprophyric dykes also intrude similar structures. (Wheeler 1992, pp. 508, 514, and Lindinger, personal observations).

The carbonate horizon associated with Mike Showing mineralization appears to be shallowly dipping near the showing, gradually steepening to the northwest becoming nearly vertical at the property boundary.

The carbonate horizon extending south of the Finn Occurrence appears to be east dipping with both north and south dipping intervals. Tight to isoclinal F1 folds were observed previously in massive carbonate horizons. The dominant fold pattern appears to be a stage 3 event.



Zn-Pb-Ag Occurrences of the Northern Kootenay Terrane

- 1 Ruddock Creek
- 2 Vista-Navan
- 3 CK
- 4 Rift

Selkirk Allochthon

TERRANES

- KO Kootenay
- QN Quesnellia
- SM Slide Mountain
- MCx Monashee Complex

- SS Slocan Synclinorium
- ANA Ancestral North America
- Mesozoic Intrusions
- Malton Gneiss
- CRFZ Columbia River Fault Zone

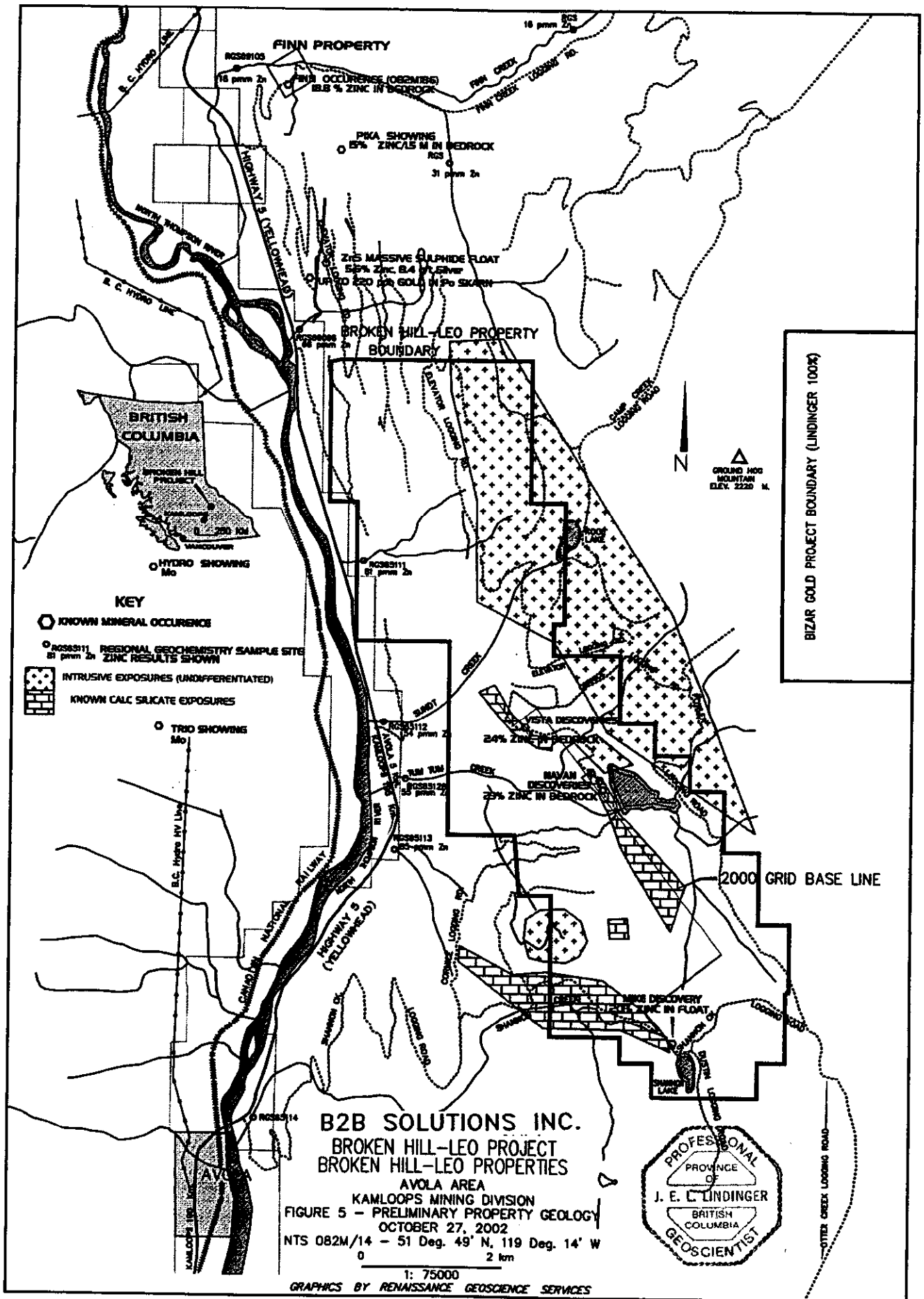
- SCS Standfast Creek Slide
- MD Monashee Décollement
- 1 Clachnacudainn Slice
- 2 Goldstream Slice
- 3 Illecillewaet Slice
- 4 French Creek Slice

Figure 17.30. Southeastern Omineca Belt showing the distribution of terranes, some of the regional structures, and the location of structural cross-sections in Figures 17.40, 17.41 and 17.44.

FIGURE 4 - REGIONAL GEOLOGY

From Wheeler, 1992: Page 608





Deposit Types

The Shuswap Metamorphic Complex hosts several significant syngenetic sediment-hosted zinc-lead-silver massive sulphide occurrences, hosted within carbonate bearing lithologies at the transition between platform carbonates and pelitic sediments. These occurrences include Ruddock Creek, Cottonbelt, King Fissure, Big Ledge, CK (1980 calculation "indicated" 1.5 million tonnes grading 8.6% zinc). A "preliminary mineral resource" for Ruddock Creek, reported by Cominco and restated by Doublestar Resources in June 2000, includes 2.7 million tonnes grading approximately 8.4% Zn and 1.6% Pb. No classification is detailed but the report indicates the "calculations were not rigorous", (A. Tiver, P.Eng., personal communication.) Both calculations were made prior to the requirements referred to in National Instrument 43-101.

Clusters of occurrences are generally aligned along north-trending large-scale folds. The mineralized horizons tend to be laterally extensive but thin. Significant thicknesses may be present where east-trending later phase folding occurs. Thickening can occur over short distances. The newly discovered Vista, Navan and Mike Showings are located 25 kilometres west of Ruddock Creek and 25 kilometres east of CK and hosted in very similar rocks.

Other deposit types known in the region are epigenetic in origin, commonly related to one or more of the many an intrusive events that occurred in the region. Some of these are high grade gold-bismuth-copper-arsenic veins of possible Tertiary age (e.g. Bizar, Readymix); copper, tungsten, molybdenum, zinc-lead-silver and gold bearing intrusive and associated skarn and wallrock-hosted deposits; gemstone and industrial mineral (i.e. garnet) deposits, and carbonatite-hosted niobium-tantalum occurrences.

Mineralization

The following descriptions of the Vista, Navan and Mike showings are from the MINFILE database administered by the Geological Survey Branch of the Ministry of Energy and Mines. Additional information in *italics* is from Lindinger (2002).

MINFILE Number: 082M 280
Names: VISTA, BROKEN HILL, VISTA A, VISTA B, VISTA C

The Vista A showing is a partially exposed band of very dark brown fine to medium grained massive sphalerite with subordinate galena, pyrrhotite, chalcopyrite and pyrite(?). The band was exposed by blasting to establish a road surface for the Cornice Logging road at about kilometre 9.3. The band is at the contact of sulphidic siliceous gneisses on the structural footwall, and an overlying 2 (plus) metre thick band of calc-silicate rocks that appear to be highly metamorphosed limestones. The showing appears to be part of a moderately (10-20 degrees) southeast plunging partially eroded antiform or northeast dipping monocline. Rocks to the northeast change dip to moderate to steep northeast dips. Exposures to the south-west are eroded off, and covered by glacial debris, or have not been mapped.

The observed mineralization is in the form of planar to swirling bands of nearly massive sulphides up to 35 centimetres thick that grade up into bands of semi-massive sulphides in a calc-silicate host. The contact with the underlying silicate rock appears very sharp. The band of Vista A type mineralization is exposed discontinuously over about 20 metres; it is assumed to be continuous although it is truncated at surface to the northwest by a northwest striking, moderately northeast dipping fault that brings a pegmatite dyke into direct contact with the mineralization. To the southeast it plunges below the logging road. Selected grab samples from bedrock exposures assayed up to 24% zinc, 4.9% lead and 72 grams per tonne silver (Lindinger, personal communication, Jan. 2001).

Vista B type mineralization occurs 2 to 3 meters structurally above the Vista A horizon in

calc-silicate rocks. This zone is also stratiform, exposed as a 5 to 10-centimetre thick band of dark brown coarse grained massive to semi-massive sphalerite. No lead, silver or copper is reported. This band is exposed in its unweathered form for at least 5 meters about 20 meters southeast of the Vista A discovery outcrop. To the northwest it is eroded off. To the south-east it also plunges below the road. To the northeast, if continuous it would dip to the northeast as part of the stratigraphic package.

Vista C type mineralization (discovered by Warner Gruenwald, P.Geo.) are fault-hosted(?) 4 to 6 centimetre thick silvery-grey medium to fine grained massive to semi-massive sphalerite and galena bands that appear to both occupy the top of and crosscut the calc-silicate horizon hosting the Vista A and B mineralization. Weathered exposures are visible over a planar 8 by 2.5 metre exposure of the top of the calc-silicate horizon above the fresh exposures of the Vista B mineral band. A sample (0.8 metres long by 8 centimetres thick) taken by Mr. Gruenwald yielded 6.6% zinc, 4.1% lead and 6.2 grams per tonne silver (Lindinger, personal communication, Jan. 2001).

The calc-silicate unit hosting the various types of zinc-rich sulphide mineralization appears to contain erratically distributed, weakly disseminated sphalerite with possibly galena. Traces of other iron and copper bearing sulphides are also present. This uncertainty is due to the generally well weathered nature of the surface exposures and lack of sample assay data.

MINFILE Number: 082M 279
Names: NAVAN, NAVAN A, NAVAN B, BROKEN HILL

The Navan A showing is a poorly exposed, partially weathered band of dark brown fine-grained massive sulphides (sphalerite and galena) hosted by disrupted (frost heaved?) calc-silicates and impure quartzites, probably correlative with the cover sequence of the dome. The grade and style of mineralization are very similar to the Vista A type showing (082M 280); however, the highest grade exposures of Navan A are totally within calc-silicate host rocks. Massive sulphide mineralization up to 25 centimetres across and grading up to 23% zinc, 4.05% lead and 17 grams per tonne silver occur as boulders that was dug out of subcrop exposures. Exposed hangingwall rocks include thin, impure quartzite layers with minor disseminated pyrrhotite. The host succession appears to trend northward and dip at moderate angles to the east.

A 25 centimetre thick second layer of semi massive sulphides occurs less than 1 metre above the massive sulphide horizon. Still higher are disseminated medium grained sulphides in highly weathered pitted garnetiferous calc-silicate rock.

The Navan B showing is about 130 meters north of the Navan A exposure. Here, a 1.5-metre long 5 to 10-centimetre band thick of massive sphalerite occurs in west-dipping quartz-rich schistose rock. No real bedrock exposures can be seen here and the rock hosting the sulphides may be a large rotated subcrop boulder. A 0.3-metre thick sample which included the massive sulphide mineralization yielded 5.6% zinc, 0.6% lead and 8.4 grams per tonne silver.

The host rocks are very different than those of the Navan A showing and mineralization is likely a distinct layer.

The Navan 3 float showing is a 30 centimetre diameter piece of siliceous calc-silicate and biotite gneiss float occurring in basal till that has on one side part of a massive sulphide layer. The remnant sulphide layer is about 12 centimetres thick. Based on glacial information the source of the boulder was to the northeast and away from the Navan A and Navan B showings.

The Navan 4 float showing occurs 300 metres south of the Navan A showing. Here, fragments less than 10 centimetres in diameter of zinc-bearing semi-massive sulphides hosted by calc-silicate and chert occur in a basal till and subcrop road cut. This is the area of the original rock sample taken by the writer in July 2000 that returned nearly 1% zinc with anomalous copper, lead silver and tungsten values.

An open ended to the north soil anomaly immediately north (up ice) and west (down-hill) of the Navan B contains the highest zinc (2590 ppm) and lead (412 ppm) values in soil (600+ samples) found to date.

MINFILE Number: 082M 281
Names: MIKE, BROKEN HILL, MIKE FLOAT

The Mike float showing contain cobbles and boulders of dark brown massive, semi massive and disseminated, fine to coarse grained sphalerite and pyrrhotite associated with gametiferous calc-silicate, pyrrhotitic silicate and coarse grained pegmatitic rocks that are exposed over 250 meters in a series of pits dug for material to upgrade the Shannon Creek logging road. The boulders and cobbles can be dug out of the bank and occur within discrete stratigraphic zones near to and overlying possibly disrupted pegmatitic bedrock. Northwest of the float occurrence is an area of calc-silicate float and bedrock extending for over 2 kilometres. To the south-east is deep glacial till extending to Shannon Lake.

One sample of a massive sphalerite boulder yielded 19.6% zinc and 352 ppm cadmium (Gruenwald, personal communication, 2000). The lead content of this and other samples have consistently lower lead values than the Navan (082M 279) and Vista (082M 280) prospects of the Broken Hill property.

Other potential deposit types located on the property include tungsten skarn and intrusion associated gold zones. Known types of mineralization nearby include molybdenum stockwork veins and high grade intrusion associated gold veins such as the nearby Bizar, and Readymix gold occurrences, pyrrhotite hosted gold skarn mineralization, and copper bearing quartz veins and stockworks.

2003 Exploration Program

Soil Geochemistry

The 2003 soil program completed sampling on the 200 grid and extended soil geochemical coverage over the Mike area.

Significant soil anomalies on the Broken Hill-Leo Property coincide with known massive sulphide outcrop and float occurrences. A soil anomaly south of the Vista Showing appears to be derived from the mineralized outcrop. An anomaly on line 84+00 N is interpreted to reflect extensions of the mineralized horizon east of the Vista Showing. A strong zinc-lead-silver anomaly northwest of and up ice of the Navan 1 Showing suggests the presence of a source to the north of this anomaly. At the Mike Float Showing, a large continuous 700 meter long coincident zinc, lead, and silver anomaly, and several smaller partially outlined anomalies occur to the northwest over the entire 2.4 kilometers sampled. These anomalies and the location of coincident weathered occasionally mineralized carbonate and skarn float and subcrop suggest a large metal source may be present. Preliminary observation of glacial striations points to a potential base metal source a short distance to the north of the anomalies.

The data is believed to be reliable. Samples were collected by experienced geoscientists and technicians in a manner conforming to industry standards. The tenor of the anomalies is consistent with mineralization observed on the property and with local soil conditions.

Rock Geochemistry

In 2001, samples of mineralized outcrop, subcrop and float from the Vista, Navan, and Mike returned 16%, 21.5% and 19.6% zinc, respectively, with up to 4% lead and 11 grams per tonne silver. Vista and Navan mineralization are also distinctly anomalous in barium, bismuth, cadmium, copper and nickel. The samples from the Mike area were notable in their lack of silver, bismuth and lead.

Results from the 2003 rock sampling program failed to highlight additional base metal mineralization. However, one sample of sulphide bearing skarn, BH3-05, Taken approximately 1.8 km northwest of the Mike float showing indicates the potential for bismuth-copper-tungsten+/-gold "Bizar style" gold mineralization.

Sampling Method and Approach

Soil Samples

Between October 27th and November 1st, 2003, 620 soil samples were collected in the Mike showing area under the supervision of Peter Bernier of SabreX Contracting Ltd. Samples were collected at stations spaced every 25-metres along lines spaced 50 metres apart. Samples were collected from holes dug to expose the brown weathered BF horizon. In the absence of a developed B horizon, the unweathered C horizon was sampled. The senior author inspected several sample locations and confirmed that the samples were collected in this manner. Samples were placed in kraft paper bags labeled with the corresponding grid co-ordinate. At the end of the day, samples were organized, and strung out to dry. Once dried, they were packaged into waterproof boxes and shipped to Ecotech laboratories in Kamloops, B.C. for analysis.

Rock Samples

In October 2003, 8 rock chip samples were collected by Joseph Lindinger, P.Geo., in the presence of independent contractor Tricia Sullivan. Rock samples were given a unique sample number and placed in numbered plastic bags. The rock sample number then was written on a Tyvek tag and nailed to the bedrock exposure or tied securely beside the sample location. Samples were then sent to Ecotech Laboratories in Kamloops, B.C., for analysis.

Sample Preparation, Analyses and Security

The 620 soil and 8 rock samples collected in 2003, were shipped to Eco-Tech Laboratories Ltd, in Kamloops, B.C. for analysis. All 628 samples were analyzed for 28-elements using a standard multi-element ICP procedure. Subsequently, rock samples BH-02, BH-03, BH3-04 and BH3-05 were analyzed for gold by fire assay with atomic absorption (AA) finish.

The following list of procedures was supplied by Eco-Tech.

Sample Preparation

Samples are catalogued and dried. Soils are prepared by sieving through an 80 mesh screen to obtain a minus 80 mesh fraction. Samples unable to produce adequate minus 80 mesh material are screened at a coarser fraction. These samples are flagged with the relevant mesh. Rock samples are 2 stage crushed to minus 10 mesh and a 250 gram subsample is pulverized on a ring mill pulverizer to -140 mesh. The subsample is rolled, homogenized and bagged in a prenumbered bag.

Multi-Element ICP Analysis

A 0.5 gram sample is digested with 3ml of a 3:1:2 (HCl:HN03:H2O), which contains beryllium, which acts as an internal standard for 90 minutes in a water bath at 95°C. The sample is then diluted to 10ml with water. The sample is analyzed on a Jarrell Ash ICP unit.

Results are collated by computer and are printed along with accompanying quality control data (repeats and standards). Results are printed on a laser printer and are faxed and/or mailed to the client.

Result data is entered along with standards and repeat values and are faxed and/or mailed to the client.

In Mr. Wilds opinion, sampling procedures, security, sample preparation, and analytical procedures were adequate for the present stage of exploration of the property.

Data Verification

All samples were collected under the direct supervision of independent field technicians, and transported directly to Eco-Tech Laboratories Ltd. in Kamloops, a certified analytical laboratory. No field blank or standard samples were submitted with these samples. However, the analytical procedures and pulp and reject duplicate analyses were conducted to industry standards. Certificates of Analysis are appended in this report (Appendix 1).

Interpretation and Conclusions

Soil Sampling

Significant soil anomalies on the Broken Hill - Leo Property coincide with known massive sulphide outcrop and float occurrences. A soil anomaly south of the Vista Showing appears to be derived from the mineralized outcrop. An anomaly on line 84+00N is interpreted to reflect extensions of the mineralized horizon east of the Vista Showing. A strong zinc-lead-silver anomaly northwest of and up ice of the Navan 1 Showing suggests the presence of a source to the north of this anomaly. The Mike Float Showing occurs within and near the south end of a moderate to locally strong 700 metre long zinc-lead-silver anomaly that probably sub-parallel the shallowly buried underlying stratigraphy, likely originating from a bedrock base-metal source. Smaller zinc-lead anomalies occur 700 to 1100 metres northwest of the Mike Showing.

Rock Sampling

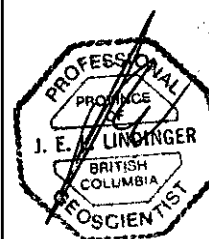
Mineralized outcrop, subcrop and float samples from past programs on the Vista, Navan, and Mike returned 16%, 21.5% and 19.6% zinc, respectively, with up to 4% lead and 11 grams per tonne silver. The Vista and Navan mineralization was also distinctly anomalous in barium, bismuth, cadmium, copper and nickel. The samples from the Mike area were notable in their lack of silver, bismuth and lead mineralization.

Of the 8 rock samples collected in the 2003 program, only one, BH3-05, returned anomalous gold (325 ppb), bismuth, and tungsten results. Samples BH3-3, 4, 5 and 6 were weakly to moderately anomalous in copper. BH3-04 was also weakly anomalous in lead and zinc. All samples (except BH3-07) were taken from sulphide bearing calc-silicate or skarn bands in bedrock. The presence of bismuth-copper-tungsten gold mineralization indicates another occurrence of "Bizar style" gold mineralization found elsewhere in the area.

In conclusion, the Broken Hill - Leo property covers a 9 km strike length of carbonate-rich stratigraphy, favourable for hosting high grade zinc-lead-silver Shuswap-style mineralization similar to the Ruddock Creek (5 million tonnes grading 7.5% zinc and 2.5% lead), CK (1.5 million tonnes grading 8.6% zinc), and Finn occurrences. Mineralization similar to that found at these occurrences outcrops at the Vista and Navan Showings and as approximately 250 meters of mineralized float and a 700 meter long multielement soil anomaly at the Mike Showing. Favourable lithologies needs to be traced down-dip, into potential fold closures and away from the pegmatite sills. The excellent access and infrastructure, in contrast to Ruddock Creek, Cottonbelt and CK, add to the potential of the property.

TABLE 3 - BROKEN HILL 2003 EXPENDITURES

| COST ITEM | CHARGE |
|--|--------------------|
| SABREX CONTRACTING LTD. soil sampling, includes transportation | \$ 7,289.80 |
| DELISLE EXPLORATION SERVICES soil sampling, includes transportation | \$ 1,421.50 |
| SULLIVAN CONTRACTING field assistant, includes transportation | \$ 1,070.00 |
| RENAISSANCE GEOSCIENCE SERVICES project management | \$ 2,400.00 |
| 4x4 vehicle 6 days at \$50.00 per day | \$ 300.00 |
| Field supplies | \$ 135.00 |
| food and accommodation | \$ 2,800.00 |
| ECOTECH ANALYTICAL LABORATORIES LTD. soil analytical charges | \$ 4,613.84 |
| ECOTECH ANALYTICAL LABORATORIES LTD. rock analytical charges | \$ 115.03 |
| Report | \$ 1,350.00 |
| Total applied to claims | \$21,495.17 |



Recommendations

The following staged exploration program is recommended (from Wild 2003) (see Table 3, following page).

Proposed exploration includes the establishment of an expanded grid, prospecting, geological mapping, soil and rock geochemical surveys, and ground magnetics surveys. Geological mapping would concentrate on identifying zones of potential structural thickening. Soil geochemical and magnetic surveys will attempt to extend the mineralized horizons along strike from the Vista, Navan, and Mike Showings.

An excavator trenching program is proposed to attempt to expose near-surface bedrock for structural mapping and lithochemical sampling.

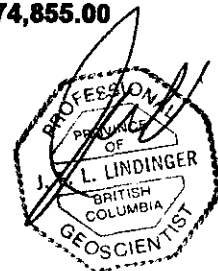
A significant diamond drill program will target fold closures and extensions of the Vista, Navan, and Mike Horizons in areas of lower pegmatite content. Fold closures have strong potential to host thickened massive sulphide bodies. Lindinger and Pautler (2001), have identified several specific drill targets including:

- line 8700N, 2400E -90° and -50°, 200° azimuth
- line 8500N, 2575E -90°
- line 7625N, 2700E -90° and -50°, 200° azimuth
- higher on the hillside, northeast of the road from DDH 01-4
- north of road, further down dip between the Vista Showing and BH-DDH-01-13.

Table 4
 Proposed Exploration Budget

| Item | number | charge | Total |
|--|--------|----------|----------------------|
| Mobilization - camp set up | | | \$ 1,000.00 |
| Linecutting (mandays) | 30 | \$250.00 | \$ 7,500.00 |
| Prospecting (mandays) | 20 | \$330.00 | \$ 6,600.00 |
| Soil sampling (mandays) | 20 | \$300.00 | \$ 6,000.00 |
| Soil samples | 300 | \$12.00 | \$ 3,600.00 |
| Rock samples | 50 | \$16.00 | \$ 800.00 |
| Geological mapping (mandays) | 28 | \$450.00 | \$ 12,600.00 |
| Project management mandays | 6 | \$450.00 | \$ 2,700.00 |
| Magnetometer survey Km | 40 | \$200.00 | \$ 8,000.00 |
| Supplies | | | \$ 200.00 |
| Excavator trenching including reclamation | | | |
| Vista area (hours) | 20 | \$125.00 | \$ 2,500.00 |
| Navan area (hours) | 15 | \$125.00 | \$ 1,875.00 |
| Mike area (hours) | 50 | \$125.00 | \$ 6,250.00 |
| South Fowler Lake area (hours) | 20 | \$125.00 | \$ 2,500.00 |
| South Vista area(hours) | 15 | \$125.00 | \$ 2,500.00 |
| Other targets (hours) | 20 | \$125.00 | \$ 2,500.00 |
| Geological mapping-trenching (mandays) | | | |
| Sampler (mandays) | 25 | \$450.00 | \$11,250.00 |
| Rock samples | 25 | \$300.00 | \$ 7,500.00 |
| Rock samples | 250 | \$16.00 | \$ 4,000.00 |
| Project management (mandays) | 4 | \$450.00 | \$ 1,800.00 |
| Supplies | | \$300.00 | \$ 300.00 |
| Diamond drilling (feet) | | | |
| Geological and logistical support (mandays) | 2600 | \$20.00 | \$52,000.00 |
| Core sampling (mandays) | 22 | \$450.00 | \$ 9,900.00 |
| Rock samples | 8 | \$280.00 | \$ 2,240.00 |
| Supplies | 65 | \$16.00 | \$ 1,040.00 |
| Demob | | | \$ 700.00 |
| Report | | | \$1,000.00 |
| Contingency @ 5% | | | \$8,000.00 |
| Grand Total | | | \$ 174,855.00 |
| <i>Mandays includes Logistical support at \$80.00 per manday</i> | | | |

Additional trenching and drilling would be contingent on favourable exploration results.



References

Campbell, R.B., (1963): Geological Map of Adams Lake, 82M WS. Geological Survey of Canada Map 48-1963.

Evans, G., (1993): Geological, Geochemical and Geophysical Assessment Report on the Blue River Property for Teck Corporation. British Columbia Ministry of Energy, Mines, and Petroleum Resources Assessment Report# 22742, 10 pages.

Gibson, G., (1991): Geological Report on the Hos 1-19 Mineral Claims, for Bethlehem Resources Corporation. British Columbia Ministry of Energy, Mines, and Petroleum Resources Assessment Report 21201, 16 pages.

Gruenwald, W., (2000): Preliminary Report on the Broken Hill Property. Unpublished report for Cassidy Gold Corporation. 3 pages.

Hoy, T., (1996): Irish-Type Carbonate Hosted Zn-Pb. British Columbia Mineral Deposit Model E13.

Hoy, T., (1996): Broken Hill-Type Pb-Zn-Ag+/-Cu. British Columbia Mineral Deposit Model S01.

Kubo, W.K. and Woods, D.V., (2001): Geophysical Report on a Gravity Survey, Broken Hill Project, Avola, British Columbia. Unpublished report for Cassidy Gold Corporation.

Lewis, T.D., (1983): Geological and Geochemical Report on the Otter Creek Property, for Noranda Exploration Company, Ltd. British Columbia Ministry of Energy, Mines, and Petroleum Resources Assessment Report# 11904, 5 pages.

Lindinger, J.E.L., (2000): Report on the Leo Property. Unpublished report for La Rock Mining Corporation. 10 pages.

Lindinger, J.E.L. and Pautler, (2001); Report on the 2001 Diamond Drill Program on the Broken Hill Property. Unpublished report for Cassidy Gold Corporation. 17 pages.

Lindinger, J.E.L., (2002): Geochemical, Geophysical and Diamond Drilling Assessment Report on the Broken Hill-Leo Property. British Columbia Ministry of Energy and Mines Assessment Report 26692. 24 pages.

Macintyre D., (1992): Sedimentary Exhalative Zn-Pb-Ag. British Columbia Mineral Deposit Models E14, 4 pages.

Murrell, M., (1980): Geochemical Assessment Report on the Finn 1 Claim for Cominco Ltd. 2 pages plus attachments. British Columbia Ministry of Energy, Mines, and Petroleum Resources Assessment Report 9027.

Oliver, J., (1988): Drilling and Geological Report on the 1987 Exploration of the CK Property. British Columbia Ministry of Energy, Mines, and Petroleum Resources Assessment Report 17539, 54 pages.

Scammell, R.J., (1990): Preliminary Results of Stratigraphy, Structure, and Metamorphism in the Southern Scrip and Northern Seymour Ranges, Southern Omineca Belt, British Columbia. In Current Research, Part E, Geological Survey of Canada, Paper 90-1E: pp 97-106.

Wheeler J.O. and Palmer A.R., ed, (1992): Geology of the Cordilleran Orogen in Canada. Geology of North America, Volume G-2; Geology of Canada No. 4, pages 146, 162, 195-196, 293, 508, 514, 545-546, 607-610, 619, 621-622, 715.

Wild, C.J. and Lindinger, J.E.L. 2003, Report on Exploration Activities, 32 pages plus attachments.

Appendix 2
2003 Rock Sample Location Map and Zinc, Lead and Silver Soil Results

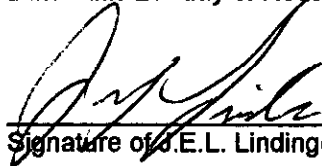
STATEMENT OF QUALIFICATIONS

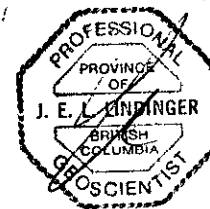
I, Joseph Eugene Leopold (Leo) Lindinger, P.Ge.
of 879 McQueen Drive, Kamloops, B.C. V2B-7X8
Tel. 250-554-6887
Fax 250-554-6887
Email joslind@telus.net

HEREBY DO CERTIFY THAT:

1. I currently own the British Columbia Mineral Claims called the "Broken Hill Property" which are now under option by B2B Solutions Inc.
2. I graduated in 1980 from the University of Waterloo, Ontario with a Bachelor of Sciences (BSc) in Honours Earth Sciences.
3. I am a member in good standing as a Professional Geoscientist (#19155) with the Association of Professional Engineers and Geoscientists of the Province of British Columbia since 1992.
4. I have worked continuously as a geoscientist since graduating in 1980.
5. I am responsible for presenting the exploration results in the "Geochemical Assessment Report Broken Hill - Leo Property" and dated 28^h day of November, 2003. I have participated in all of the exploration programs discussed in the report between September 2000 and November 2003 with the exception of work completed by Avola Industries Ltd. in Appendix VI in August 2002.

Dated this 28^h day of November, 2003


Signature of J.E.L. Lindinger, P.Ge



Seal Of J.E.L. Lindinger P.Ge

JOSEPH E. L. LINDINGER
Printed name of J.E.L. Lindinger, P.Ge.

Appendix 1
Analytical Results – Soil and Rock Samples

14-Nov-03

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2003-527

RENAISSANCE GEOSCIENCE SERVICES
879 McQueen Drive
KAMLOOPS, BC
V2B 7X8

Phone: 250-573-5700
Fax : 250-573-4557

ATTENTION: Leo Lindinger

No. of samples received: 8
Sample type: Rock
Project #: 049 VN
Shipment #: 2003-01
Samples submitted by: Tricia Sullivan

Values in ppm unless otherwise reported

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|--------|------|------|----|----|-----|------|----|----|-----|-----|------|-----|------|-----|----|-------|----|------|----|----|-----|-----|------|-----|----|-----|----|-----|
| 1 | BH3-01 | <0.2 | 0.97 | <5 | 45 | <5 | 1.23 | <1 | 14 | 106 | 6 | 1.73 | 20 | 0.12 | 469 | 2 | 0.03 | 28 | 790 | 8 | <5 | <20 | 127 | 0.09 | <10 | 17 | <10 | 10 | 107 |
| 2 | BH3-02 | <0.2 | 1.28 | <5 | 10 | 10 | 1.94 | <1 | 9 | 68 | 5 | 1.29 | <10 | 0.34 | 525 | 1 | 0.03 | 19 | 530 | 8 | <5 | <20 | 22 | 0.08 | <10 | 20 | <10 | 13 | 71 |
| 3 | BH3-03 | <0.2 | 0.74 | <5 | <5 | 15 | 3.35 | <1 | 12 | 98 | 114 | 2.44 | 10 | 0.24 | 262 | <1 | 0.05 | 15 | 1570 | 8 | <5 | <20 | 169 | 0.12 | <10 | 22 | <10 | 14 | 26 |
| 4 | BH3-04 | <0.2 | 1.92 | <5 | 15 | 15 | 1.24 | <1 | 27 | 102 | 88 | 5.15 | 20 | 1.40 | 927 | 1 | <0.01 | 38 | 1130 | 30 | <5 | <20 | 75 | 0.15 | <10 | 44 | <10 | 12 | 147 |
| 5 | BH3-05 | <0.2 | 0.25 | <5 | <5 | 385 | 0.86 | <1 | 37 | 104 | 218 | 4.89 | 10 | 0.14 | 214 | 3 | 0.02 | 20 | 380 | <2 | <5 | <20 | 56 | 0.09 | <10 | 6 | 120 | 8 | 28 |
| 6 | BH3-06 | <0.2 | 0.79 | <5 | 10 | 5 | 0.89 | <1 | 17 | 75 | 116 | 3.26 | 10 | 0.23 | 82 | 3 | 0.12 | 24 | 820 | 4 | <5 | <20 | 48 | 0.16 | <10 | 25 | <10 | 10 | 32 |
| 7 | BH3-07 | <0.2 | 1.08 | <5 | 15 | 5 | 1.42 | <1 | 13 | 58 | 30 | 1.81 | 10 | 0.27 | 308 | <1 | 0.16 | 18 | 920 | 8 | <5 | <20 | 85 | 0.19 | <10 | 24 | <10 | 13 | 33 |
| 8 | BH3-08 | <0.2 | 5.08 | <5 | 35 | <5 | 3.30 | <1 | 11 | 85 | 62 | 3.16 | 20 | 0.42 | 196 | 1 | 0.13 | 34 | 840 | 24 | <5 | <20 | 280 | 0.11 | <10 | 22 | <10 | 11 | 21 |

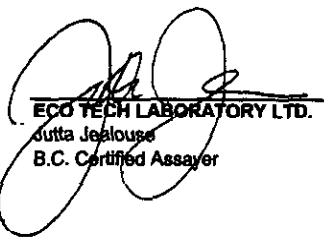
QC DATA:

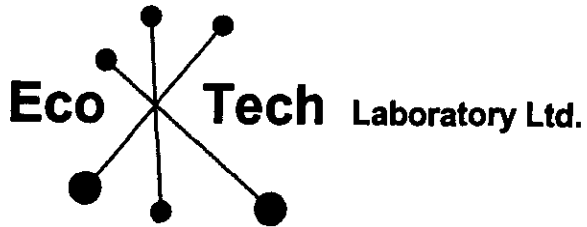
| Resplit: | | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|----------|--------|------|------|----|----|----|------|----|----|-----|----|------|----|------|-----|----|------|----|-----|----|----|-----|-----|------|-----|----|-----|----|-----|
| 1 | BH3-01 | <0.2 | 1.12 | <5 | 40 | <5 | 1.30 | <1 | 13 | 105 | 6 | 1.74 | 10 | 0.13 | 455 | 3 | 0.03 | 26 | 730 | 6 | <5 | <20 | 133 | 0.12 | <10 | 18 | <10 | 10 | 109 |

Standard:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|--|-----|------|----|-----|----|------|----|----|----|----|------|-----|------|-----|----|------|----|-----|----|----|-----|----|------|-----|----|-----|----|----|
| GEO '03 | | 1.5 | 1.73 | 55 | 140 | <5 | 1.83 | <1 | 19 | 61 | 87 | 3.59 | <10 | 0.96 | 607 | <1 | 0.02 | 30 | 650 | 20 | <5 | <20 | 49 | 0.11 | <10 | 76 | <10 | 11 | 76 |
|---------|--|-----|------|----|-----|----|------|----|----|----|----|------|-----|------|-----|----|------|----|-----|----|----|-----|----|------|-----|----|-----|----|----|

JJ/kk
dt/527
XLS/03


ECO TECH LABORATORY LTD.
 Jutta Jealous
 B.C. Certified Assayer



ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 Dallas Drive, Kamloops, BC V2C 6T4
Phone (250) 573-5700 Fax (250) 573-4557
E-mail: info@ecotechlab.com
www.ecotechlab.com

CERTIFICATE OF ANALYSIS AK 2003-527

RENAISSANCE GEOSCIENCE SERVICES
879 McQueen Drive
KAMLOOPS, BC
V2B 7X8

21-Nov-03

ATTENTION: Leo Lindinger

No. of samples received: 8
Sample type: Rock
Project #: 049 VN
Shipment #: 2003-01
Samples submitted by: Tricia Sullivan

| ET #. | Tag # | Au (ppb) |
|-------|--------|-------------|
| 2 | BH3-02 | <5 |
| 3 | BH3-03 | 15 |
| 4 | BH3-04 | 10 |
| 5 | BH3-05 | 325 |

QC DATA:

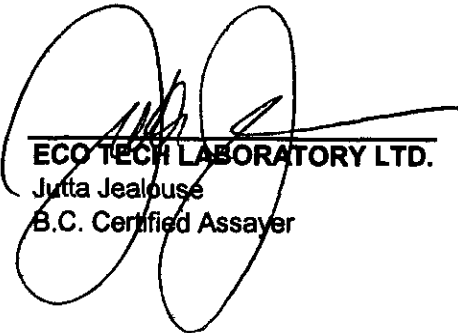
Repeat:

| | | |
|---|--------|-----|
| 3 | BH3-03 | 15 |
| 5 | BH3-05 | 340 |

Standard:

| | |
|--------|-----|
| GEO'03 | 140 |
|--------|-----|

JJ/kk
XLS/03


ECO TECH LABORATORY LTD.
Jutta Jealous
B.C. Certified Assayer

14-Nov-03

ECO TECH LABORATORY LTD.
10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

Phone: 250-573-5700
Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2003-523

RENAISSANCE GEOSCIENCE SERVICES
879 McQueen Drive
Kamloops, BC
V2B 7X8

ATTENTION: Leo Lindinger

No. of samples received: 620

Sample type: Soil

Project #: 049

Shipment #: 2003-01

Samples submitted by: Tricia Sullivan

Values in ppm unless otherwise reported

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|---------------------|------|------|----|-----|----|------|----|----|----|----|------|-----|------|-----|----|-------|----|------|----|----|-----|----|------|-----|----|-----|----|-----|
| 1 | 41+00N 11+00E | 0.2 | 2.26 | <5 | 40 | <5 | 0.10 | <1 | 6 | 25 | 8 | 2.58 | 10 | 0.29 | 97 | <1 | <0.01 | 11 | 390 | 6 | <5 | <20 | 6 | 0.04 | <10 | 25 | <10 | 4 | 32 |
| 2 | 41+00N 11+50E #5244 | <0.2 | 1.59 | <5 | 45 | <5 | 0.08 | <1 | 7 | 28 | 10 | 2.76 | 20 | 0.43 | 134 | <1 | <0.01 | 15 | 230 | 4 | <5 | <20 | 6 | 0.05 | <10 | 36 | <10 | 6 | 38 |
| 3 | 41+00N 12+00E #5246 | <0.2 | 1.56 | <5 | 70 | <5 | 0.09 | <1 | 5 | 18 | 15 | 0.81 | 10 | 0.28 | 90 | <1 | <0.01 | 11 | 400 | 12 | <5 | <20 | 9 | 0.03 | <10 | 16 | <10 | 8 | 33 |
| 4 | 41+00N 12+25E #5247 | 0.2 | 0.58 | <5 | 20 | <5 | 0.02 | <1 | 2 | 6 | 5 | 0.82 | <10 | 0.03 | 9 | <1 | <0.01 | <1 | 220 | 8 | <5 | <20 | 3 | 0.02 | <10 | 11 | <10 | 4 | 9 |
| 5 | 41+00N 12+50E #5248 | 0.2 | 1.49 | <5 | 20 | 5 | 0.04 | <1 | 6 | 19 | 8 | 2.74 | 10 | 0.22 | 87 | <1 | <0.01 | 7 | 750 | 6 | <5 | <20 | 3 | 0.06 | <10 | 30 | <10 | 6 | 37 |
| 6 | 41+00N 12+75E #5249 | 0.7 | 3.79 | <5 | 30 | 5 | 0.03 | <1 | 5 | 20 | 6 | 2.15 | <10 | 0.16 | 52 | <1 | <0.01 | 6 | 440 | 6 | <5 | <20 | 3 | 0.05 | <10 | 30 | <10 | 7 | 37 |
| 7 | 41+00N 13+00E #5250 | 0.3 | 2.67 | <5 | 20 | <5 | 0.04 | <1 | 4 | 19 | 5 | 1.93 | <10 | 0.15 | 35 | <1 | <0.01 | 5 | 300 | 8 | <5 | <20 | 3 | 0.04 | <10 | 23 | <10 | 5 | 29 |
| 8 | 41+00N 13+25E #5251 | 0.5 | 2.88 | <5 | 15 | <5 | 0.05 | <1 | 4 | 17 | 5 | 2.51 | <10 | 0.05 | <1 | <1 | 0.01 | 3 | 330 | 8 | <5 | <20 | 4 | 0.05 | <10 | 36 | <10 | 4 | 11 |
| 9 | 41+00N 13+50E #5252 | 0.2 | 1.24 | <5 | 20 | <5 | 0.04 | <1 | 5 | 14 | 4 | 1.77 | <10 | 0.13 | 46 | <1 | <0.01 | 5 | 200 | 8 | <5 | <20 | 5 | 0.05 | <10 | 32 | <10 | 5 | 32 |
| 10 | 41+00N 13+75E #5253 | 0.4 | 3.40 | <5 | 25 | <5 | 0.04 | <1 | 6 | 18 | 5 | 2.44 | <10 | 0.08 | 16 | <1 | <0.01 | 5 | 410 | 12 | <5 | <20 | 4 | 0.08 | <10 | 33 | <10 | 11 | 16 |
| 11 | 41+00N 14+00E #5254 | 0.2 | 3.38 | <5 | 40 | 5 | 0.08 | <1 | 4 | 19 | 5 | 2.72 | <10 | 0.07 | 59 | <1 | <0.01 | 5 | 1040 | 12 | <5 | <20 | 9 | 0.06 | <10 | 38 | <10 | 5 | 20 |
| 12 | 41+50N 10+75E | <0.2 | 1.88 | <5 | 45 | <5 | 0.06 | <1 | 7 | 26 | 12 | 2.37 | 20 | 0.42 | 131 | <1 | <0.01 | 10 | 300 | 8 | <5 | <20 | 3 | 0.04 | <10 | 32 | <10 | 9 | 38 |
| 13 | 41+50N 11+00E | <0.2 | 3.95 | <5 | 120 | 10 | 0.04 | <1 | 19 | 69 | 20 | 7.76 | 20 | 0.92 | 428 | 3 | <0.01 | 28 | 310 | 22 | <5 | <20 | 6 | 0.10 | <10 | 90 | <10 | 5 | 115 |
| 14 | 41+50N 11+75E #5232 | 0.4 | 1.19 | <5 | 30 | <5 | 0.04 | <1 | 4 | 12 | 10 | 2.14 | 10 | 0.08 | 35 | <1 | <0.01 | 4 | 290 | 12 | <5 | <20 | 4 | 0.05 | <10 | 23 | <10 | 8 | 16 |
| 15 | 41+50N 12+00E #5233 | 0.3 | 1.66 | <5 | 25 | <5 | 0.03 | <1 | 5 | 21 | 6 | 3.29 | 10 | 0.19 | 39 | <1 | <0.01 | 5 | 350 | 8 | <5 | <20 | 3 | 0.06 | <10 | 54 | <10 | 5 | 26 |
| 16 | 41+50N 12+25E #5234 | 0.3 | 0.77 | <5 | 15 | <5 | 0.02 | <1 | 3 | 6 | 4 | 0.86 | <10 | 0.04 | 19 | <1 | 0.01 | 1 | 160 | 8 | <5 | <20 | 2 | 0.04 | <10 | 18 | <10 | 6 | 8 |
| 17 | 41+50N 12+50E #5235 | 0.7 | 3.85 | <5 | 15 | 5 | 0.02 | <1 | 3 | 16 | 9 | 2.24 | <10 | 0.03 | <1 | <1 | <0.01 | 5 | 420 | 10 | <5 | <20 | 2 | 0.05 | <10 | 28 | <10 | 6 | 7 |
| 18 | 41+50N 12+75E #5236 | 0.5 | 1.54 | <5 | 20 | <5 | 0.02 | <1 | 4 | 16 | 6 | 2.17 | 10 | 0.10 | 19 | <1 | <0.01 | 4 | 230 | 6 | <5 | <20 | 2 | 0.05 | <10 | 33 | <10 | 5 | 15 |
| 19 | 41+50N 13+00E #5237 | 0.2 | 1.20 | <5 | 30 | <5 | 0.05 | <1 | 5 | 15 | 5 | 2.19 | 10 | 0.16 | 39 | <1 | <0.01 | 5 | 230 | 8 | <5 | <20 | 7 | 0.05 | <10 | 34 | <10 | 5 | 29 |
| 20 | 41+50N 13+25E #5238 | 0.2 | 2.28 | <5 | 30 | 10 | 0.08 | <1 | 7 | 26 | 9 | 3.53 | 10 | 0.26 | 95 | <1 | <0.01 | 9 | 390 | 10 | <5 | <20 | 6 | 0.07 | <10 | 49 | <10 | 8 | 37 |
| 21 | 41+50N 13+50E #5239 | <0.2 | 0.80 | <5 | 15 | <5 | 0.04 | <1 | 3 | 8 | 5 | 1.23 | <10 | 0.05 | 19 | <1 | <0.01 | 4 | 290 | 10 | <5 | <20 | 4 | 0.04 | <10 | 20 | <10 | 5 | 11 |
| 22 | 41+50N 13+75E #5240 | <0.2 | 0.85 | <5 | 15 | 5 | 0.04 | <1 | 5 | 10 | 5 | 1.62 | <10 | 0.05 | 32 | <1 | <0.01 | 2 | 380 | 18 | <5 | <20 | 3 | 0.09 | <10 | 39 | <10 | 9 | 13 |
| 23 | 41+50N 14+00E #5241 | <0.2 | 1.18 | <5 | 15 | <5 | 0.02 | <1 | 3 | 12 | 4 | 1.63 | <10 | 0.07 | 29 | <1 | <0.01 | 3 | 580 | 8 | <5 | <20 | 2 | 0.03 | <10 | 33 | <10 | 3 | 14 |
| 24 | 42+00N 10+75E #5228 | <0.2 | 1.96 | <5 | 65 | <5 | 0.10 | <1 | 10 | 28 | 18 | 2.05 | 50 | 0.50 | 182 | <1 | <0.01 | 15 | 350 | 12 | <5 | <20 | 9 | 0.04 | <10 | 30 | <10 | 42 | 173 |
| 25 | 42+00N 11+50E #5201 | 0.6 | 0.82 | <5 | 10 | <5 | 0.01 | <1 | 2 | 7 | 6 | 1.05 | <10 | 0.03 | 7 | <1 | <0.01 | 1 | 250 | 4 | <5 | <20 | 2 | 0.02 | <10 | 17 | <10 | 3 | 8 |

RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

ECO TECH LABORATORY LTD.

| El #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|---------------------|------|------|----|----|----|------|----|----|----|----|------|-----|------|-----|----|-------|----|------|----|----|-----|----|------|-----|----|-----|----|-----|
| 26 | 42+00N 11+75E #5202 | 0.2 | 1.84 | <5 | 30 | Δ | 0.12 | <1 | 5 | 14 | 7 | 2.11 | <10 | 0.07 | 108 | <1 | <0.01 | 4 | 1380 | 8 | Δ | <20 | 5 | 0.07 | <10 | 38 | <10 | 6 | 23 |
| 27 | 42+00N 11+75E #5203 | 0.7 | 1.86 | <5 | 15 | Δ | 0.03 | <1 | 4 | 13 | 9 | 2.32 | <10 | 0.07 | 20 | <1 | <0.01 | 3 | 420 | 8 | Δ | <20 | 4 | 0.06 | <10 | 37 | <10 | 5 | 15 |
| 28 | 42+00N 12+00E #5204 | 0.2 | 2.03 | <5 | 25 | Δ | 0.04 | <1 | 5 | 12 | 8 | 1.97 | <10 | 0.04 | 3 | <1 | <0.01 | 4 | 380 | 12 | Δ | <20 | 5 | 0.07 | <10 | 26 | <10 | 9 | 12 |
| 29 | 42+00N 12+25E #5205 | 0.2 | 1.42 | <5 | 45 | Δ | 0.04 | <1 | 5 | 17 | 5 | 2.24 | 10 | 0.16 | 43 | <1 | <0.01 | 5 | 320 | 10 | Δ | <20 | 5 | 0.08 | <10 | 39 | <10 | 7 | 26 |
| 30 | 42+00N 12+50E #5206 | 0.2 | 1.55 | <5 | 30 | 5 | 0.03 | <1 | 7 | 23 | 8 | 3.20 | 10 | 0.22 | 42 | <1 | <0.01 | 6 | 400 | 10 | Δ | <20 | 3 | 0.08 | <10 | 50 | <10 | 7 | 36 |
| 31 | 42+00N 12+75E #5207 | 0.3 | 1.61 | <5 | 25 | Δ | 0.06 | <1 | 6 | 15 | 7 | 2.63 | <10 | 0.11 | 23 | <1 | <0.01 | 4 | 320 | 10 | Δ | <20 | 4 | 0.08 | <10 | 48 | <10 | 8 | 19 |
| 32 | 42+00N 13+00E #5208 | 0.3 | 4.20 | <5 | 35 | 5 | 0.04 | <1 | 5 | 22 | 6 | 1.79 | <10 | 0.14 | 52 | <1 | <0.01 | 7 | 490 | 8 | Δ | <20 | 4 | 0.05 | <10 | 25 | <10 | 7 | 30 |
| 33 | 42+00N 13+25E #5209 | 0.2 | 1.27 | <5 | 25 | 5 | 0.04 | <1 | 6 | 20 | 6 | 2.54 | 10 | 0.25 | 61 | <1 | <0.01 | 7 | 250 | 8 | Δ | <20 | 3 | 0.07 | <10 | 47 | <10 | 8 | 28 |
| 34 | 42+00N 13+50E #5210 | 0.2 | 4.31 | <5 | 35 | 5 | 0.06 | <1 | 9 | 26 | 9 | 4.01 | 20 | 0.16 | 117 | <1 | <0.01 | 7 | 620 | 12 | Δ | <20 | 4 | 0.11 | <10 | 63 | <10 | 14 | 30 |
| 35 | 42+50N 10+25E #5229 | 0.3 | 2.67 | <5 | 55 | Δ | 0.11 | <1 | 8 | 30 | 17 | 3.11 | 30 | 0.41 | 124 | <1 | <0.01 | 13 | 250 | 10 | Δ | <20 | 11 | 0.06 | <10 | 38 | <10 | 24 | 155 |
| 36 | 42+50N 10+50E #5230 | 0.4 | 2.18 | <5 | 40 | Δ | 0.10 | <1 | 9 | 30 | 12 | 4.02 | 10 | 0.39 | 79 | <1 | <0.01 | 9 | 390 | 8 | Δ | <20 | 6 | 0.08 | <10 | 55 | <10 | 7 | 61 |
| 37 | 42+50N 10+75E #5227 | 0.3 | 1.47 | <5 | 15 | Δ | 0.04 | <1 | 5 | 23 | 7 | 2.79 | 10 | 0.26 | 62 | <1 | <0.01 | 6 | 390 | 6 | Δ | <20 | 2 | 0.04 | <10 | 40 | <10 | 4 | 31 |
| 38 | 42+50N 11+50E #5222 | 0.3 | 4.57 | <5 | 25 | 10 | 0.04 | <1 | 6 | 22 | 7 | 2.65 | <10 | 0.10 | 101 | <1 | <0.01 | 7 | 550 | 30 | Δ | <20 | 3 | 0.07 | <10 | 41 | <10 | 7 | 39 |
| 39 | 42+50N 11+75E #5221 | <0.2 | 1.26 | <5 | 25 | 5 | 0.04 | <1 | 5 | 18 | 5 | 1.96 | 10 | 0.23 | 92 | <1 | <0.01 | 6 | 310 | 6 | Δ | <20 | 2 | 0.04 | <10 | 35 | <10 | 5 | 23 |
| 40 | 42+50N 12+00E #5219 | <0.2 | 1.67 | <5 | 40 | Δ | 0.03 | <1 | 5 | 17 | 7 | 2.29 | 10 | 0.20 | 61 | <1 | <0.01 | 5 | 340 | 10 | Δ | <20 | 5 | 0.05 | <10 | 34 | <10 | 7 | 30 |
| 41 | 42+50N 12+00E #5220 | 0.2 | 3.42 | <5 | 25 | Δ | 0.06 | <1 | 4 | 14 | 5 | 2.15 | <10 | 0.04 | <1 | <1 | <0.01 | 5 | 310 | 12 | Δ | <20 | 6 | 0.07 | <10 | 30 | <10 | 9 | 8 |
| 42 | 42+50N 12+25E #5218 | 0.2 | 2.91 | <5 | 25 | Δ | 0.05 | <1 | 4 | 19 | 6 | 2.05 | 10 | 0.18 | 49 | <1 | <0.01 | 6 | 480 | 10 | Δ | <20 | 3 | 0.03 | <10 | 24 | <10 | 6 | 41 |
| 43 | 42+50N 12+50E #5217 | <0.2 | 1.83 | <5 | 40 | Δ | 0.05 | <1 | 5 | 21 | 7 | 2.29 | 10 | 0.21 | 98 | <1 | <0.01 | 10 | 500 | 8 | Δ | <20 | 7 | 0.02 | <10 | 26 | <10 | 4 | 55 |
| 44 | 42+50N 12+75E #5216 | 0.4 | 0.77 | <5 | 15 | Δ | 0.02 | <1 | 3 | 5 | 5 | 0.78 | <10 | 0.02 | 27 | <1 | 0.01 | 3 | 320 | 10 | Δ | <20 | 3 | 0.04 | <10 | 16 | <10 | 4 | 8 |
| 45 | 42+50N 13+00E #5215 | 0.3 | 2.29 | <5 | 20 | Δ | 0.04 | <1 | 5 | 16 | 8 | 2.76 | <10 | 0.06 | 166 | <1 | <0.01 | 4 | 520 | 10 | Δ | <20 | 2 | 0.07 | <10 | 47 | <10 | 9 | 19 |
| 46 | 42+50N 13+25E #5214 | <0.2 | 3.09 | <5 | 10 | Δ | 0.02 | <1 | 3 | 11 | 9 | 1.27 | <10 | 0.04 | 9 | <1 | 0.01 | 2 | 390 | 12 | Δ | <20 | 1 | 0.04 | <10 | 17 | <10 | 12 | 6 |
| 47 | 42+50N 13+50E #5211 | <0.2 | 0.78 | <5 | 15 | Δ | 0.02 | <1 | 5 | 10 | 8 | 1.55 | <10 | 0.06 | 15 | <1 | <0.01 | 3 | 390 | 14 | Δ | <20 | 3 | 0.08 | <10 | 28 | <10 | 8 | 17 |
| 48 | 42+50N 13+75E #5212 | <0.2 | 1.47 | <5 | 25 | 5 | 0.04 | <1 | 5 | 15 | 6 | 2.40 | 10 | 0.15 | 43 | <1 | <0.01 | 5 | 420 | 12 | Δ | <20 | 4 | 0.07 | <10 | 41 | <10 | 9 | 27 |
| 49 | 42+50N 14+00E #5213 | <0.2 | 1.87 | <5 | 15 | Δ | 0.02 | <1 | 3 | 15 | 7 | 1.96 | 10 | 0.10 | 16 | <1 | <0.01 | 4 | 310 | 10 | Δ | <20 | 2 | 0.04 | <10 | 25 | <10 | 7 | 14 |
| 50 | 43+00N 9+50E #5295 | <0.2 | 4.18 | <5 | 30 | 5 | 0.10 | <1 | 6 | 24 | 19 | 2.25 | 30 | 0.20 | 39 | <1 | 0.02 | 11 | 530 | 10 | Δ | <20 | 6 | 0.07 | <10 | 23 | <10 | 31 | 45 |
| 51 | 43+00N 9+75E #5294 | <0.2 | 2.36 | <5 | 65 | Δ | 0.06 | <1 | 10 | 30 | 14 | 3.15 | 20 | 0.42 | 162 | <1 | <0.01 | 13 | 240 | 14 | Δ | <20 | 6 | 0.07 | <10 | 53 | <10 | 10 | 68 |
| 52 | 43+00N 10+00E #5293 | <0.2 | 1.31 | <5 | 35 | Δ | 0.04 | <1 | 4 | 14 | 5 | 1.66 | <10 | 0.15 | 49 | <1 | <0.01 | 3 | 170 | 4 | Δ | <20 | 4 | 0.04 | <10 | 28 | <10 | 5 | 35 |
| 53 | 43+00N 10+25E #5279 | 0.2 | 1.35 | <5 | 30 | Δ | 0.05 | <1 | 4 | 10 | 4 | 1.43 | <10 | 0.06 | 31 | <1 | <0.01 | 3 | 220 | 12 | Δ | <20 | 6 | 0.05 | <10 | 24 | <10 | 6 | 20 |
| 54 | 43+00N 10+50E #5278 | <0.2 | 1.42 | <5 | 20 | Δ | 0.04 | <1 | 5 | 19 | 6 | 2.36 | <10 | 0.18 | 70 | <1 | <0.01 | 5 | 370 | 6 | Δ | <20 | 3 | 0.05 | <10 | 36 | <10 | 5 | 28 |
| 55 | 43+00N 12+25E #5268 | <0.2 | 1.44 | <5 | 20 | Δ | 0.04 | <1 | 5 | 16 | 5 | 2.11 | 10 | 0.19 | 47 | <1 | <0.01 | 6 | 260 | 8 | Δ | <20 | 3 | 0.05 | <10 | 38 | <10 | 5 | 25 |
| 56 | 43+00N 12+50E #5269 | <0.2 | 1.29 | <5 | 20 | Δ | 0.07 | <1 | 5 | 16 | 5 | 2.34 | <10 | 0.16 | 47 | <1 | <0.01 | 5 | 460 | 10 | Δ | <20 | 6 | 0.06 | <10 | 35 | <10 | 5 | 26 |
| 57 | 43+00N 12+75E #5270 | <0.2 | 4.53 | <5 | 25 | 5 | 0.05 | <1 | 5 | 16 | 11 | 2.19 | <10 | 0.05 | 464 | <1 | <0.01 | 5 | 1350 | 10 | Δ | <20 | 2 | 0.06 | <10 | 32 | <10 | 6 | 9 |
| 58 | 43+00N 13+25E #5272 | <0.2 | 3.42 | <5 | 15 | 5 | 0.03 | <1 | 4 | 19 | 6 | 2.25 | <10 | 0.22 | 15 | <1 | <0.01 | 5 | 390 | 8 | Δ | <20 | 2 | 0.05 | <10 | 27 | <10 | 6 | 20 |
| 59 | 43+00N 13+50E #5273 | <0.2 | 2.43 | <5 | 10 | Δ | 0.04 | <1 | 3 | 10 | 6 | 0.93 | <10 | 0.07 | 32 | <1 | 0.01 | 3 | 440 | 6 | Δ | <20 | 2 | 0.03 | <10 | 23 | <10 | 5 | 10 |
| 60 | 43+50N 9+50E #5257 | <0.2 | 1.54 | <5 | 80 | Δ | 0.12 | <1 | 4 | 19 | 8 | 0.91 | 20 | 0.31 | 96 | <1 | 0.01 | 9 | 550 | 10 | Δ | <20 | 11 | 0.02 | <10 | 19 | <10 | 12 | 92 |

RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

ECO TECH LABORATORY LTD.

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Tl % | U | V | W | Y | Zn |
|-------|--------------------------|-----------|------|----|----|----|------|----|----|----|----|------|-----|------|------|----|-------|----|------|----|----|-----|----|------|-----|----|-----|-----|-----|
| 61 | 43+50N 9+75E #5256 | <0.2 | 1.71 | <5 | 65 | <5 | 0.12 | <1 | 6 | 24 | 15 | 1.38 | 40 | 0.45 | 134 | <1 | 0.01 | 13 | 430 | 10 | <5 | <20 | 7 | 0.03 | <10 | 23 | <10 | 23 | 71 |
| 62 | 43+50N 10+00E #5255 | <0.2 | 1.92 | <5 | 30 | <5 | 0.03 | <1 | 6 | 22 | 5 | 3.11 | 10 | 0.20 | 65 | <1 | <0.01 | 6 | 310 | 6 | <5 | <20 | 3 | 0.06 | <10 | 55 | <10 | 6 | 42 |
| 63 | 43+50N 10+25E #5260 | <0.2 | 0.76 | <5 | 20 | <5 | 0.07 | <1 | 4 | 10 | 6 | 1.30 | 10 | 0.10 | 60 | <1 | <0.01 | 3 | 240 | 18 | <5 | <20 | 6 | 0.04 | <10 | 22 | <10 | 10 | 30 |
| 64 | 43+50N 10+50E #5261 | <0.2 | 0.64 | <5 | 25 | <5 | 0.12 | <1 | 5 | 14 | 5 | 1.87 | <10 | 0.21 | 153 | <1 | <0.01 | 4 | 310 | 4 | <5 | <20 | 8 | 0.04 | <10 | 21 | <10 | 6 | 41 |
| 65 | 43+50N 11+00E #5275 | <0.2 | 1.41 | <5 | 60 | <5 | 0.11 | <1 | 6 | 25 | 11 | 2.85 | 10 | 0.33 | 203 | <1 | <0.01 | 10 | 440 | 14 | <5 | <20 | 6 | 0.04 | <10 | 35 | <10 | 4 | 60 |
| 66 | 43+50N 11+50E #5284/5285 | 0.5 | 2.47 | <5 | 20 | <5 | 0.08 | <1 | 6 | 17 | 13 | 2.53 | <10 | 0.09 | 204 | <1 | <0.01 | 5 | 1050 | 28 | <5 | <20 | 4 | 0.06 | <10 | 30 | <10 | 7 | 34 |
| 67 | 43+50N 11+75E | 0.3 | 3.35 | <5 | 25 | 5 | 0.07 | <1 | 6 | 18 | 10 | 2.82 | <10 | 0.07 | 220 | <1 | <0.01 | 6 | 1260 | 24 | <5 | <20 | 5 | 0.10 | <10 | 44 | <10 | 10 | 30 |
| 68 | 43+50N 12+00E #5286 | <0.2 | 0.51 | <5 | 10 | <5 | 0.09 | <1 | 4 | 8 | 4 | 1.44 | <10 | 0.04 | 28 | <1 | <0.01 | 2 | 450 | 12 | <5 | <20 | 3 | 0.07 | <10 | 31 | <10 | 7 | 20 |
| 69 | 44+00N 9+00E #5300 | 0.3 | 1.61 | <5 | 75 | <5 | 0.06 | <1 | 6 | 22 | 9 | 2.42 | 10 | 0.32 | 117 | <1 | <0.01 | 8 | 340 | 4 | <5 | <20 | 11 | 0.03 | <10 | 29 | <10 | 6 | 39 |
| 70 | 44+00N 9+25E #5299 | <0.2 | 2.19 | <5 | 35 | <5 | 0.09 | <1 | 5 | 24 | 6 | 1.33 | 20 | 0.43 | 131 | <1 | <0.01 | 9 | 410 | 8 | <5 | <20 | 2 | 0.03 | <10 | 22 | <10 | 12 | 42 |
| 71 | 44+00N 9+50E #5298 | <0.2 | 1.20 | <5 | 35 | 5 | 0.14 | <1 | 8 | 30 | 8 | 3.84 | 10 | 0.35 | 107 | <1 | <0.01 | 8 | 210 | 12 | <5 | <20 | 9 | 0.08 | <10 | 55 | <10 | 5 | 103 |
| 72 | 44+00N 9+75E #5297 | <0.2 | 1.55 | <5 | 55 | <5 | 0.24 | <1 | 7 | 28 | 9 | 3.33 | 20 | 0.37 | 109 | <1 | 0.01 | 10 | 220 | 18 | <5 | <20 | 19 | 0.06 | <10 | 40 | <10 | 21 | 205 |
| 73 | 44+00N 10+00E #5296 | 0.2 | 1.82 | <5 | 30 | 5 | 0.08 | <1 | 2 | 8 | 10 | 1.01 | <10 | 0.03 | 29 | <1 | <0.01 | 3 | 300 | 12 | <5 | <20 | 7 | 0.03 | <10 | 15 | <10 | 5 | 26 |
| 74 | 44+00N 10+25E #5262 | <0.2 | 1.11 | <5 | 35 | <5 | 0.10 | <1 | 6 | 19 | 6 | 2.49 | 10 | 0.27 | 100 | <1 | <0.01 | 7 | 250 | 10 | <5 | <20 | 5 | 0.05 | <10 | 29 | <10 | 5 | 48 |
| 75 | 44+00N 10+50E #5259 | <0.2 | 1.51 | <5 | 55 | <5 | 0.09 | <1 | 6 | 28 | 12 | 3.09 | 10 | 0.35 | 151 | <1 | <0.01 | 10 | 320 | 14 | <5 | <20 | 6 | 0.06 | <10 | 37 | <10 | 7 | 109 |
| 76 | 44+00N 10+75E | No Sample | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | 44+00N 11+00E #5258 | 0.2 | 1.83 | <5 | 30 | <5 | 0.08 | <1 | 4 | 16 | 11 | 1.99 | 10 | 0.09 | 143 | 1 | <0.01 | 4 | 580 | 14 | <5 | <20 | 7 | 0.05 | <10 | 37 | <10 | 12 | 39 |
| 78 | 44+00N 11+50E #5280 | 0.2 | 1.70 | <5 | 30 | <5 | 0.04 | <1 | 4 | 12 | 6 | 1.73 | <10 | 0.07 | 16 | <1 | <0.01 | 2 | 300 | 12 | <5 | <20 | 5 | 0.05 | <10 | 22 | <10 | 6 | 30 |
| 79 | 44+50N 8+75E | <0.2 | 2.30 | <5 | 30 | <5 | 0.04 | <1 | 6 | 23 | 10 | 2.30 | 20 | 0.23 | 119 | <1 | <0.01 | 8 | 300 | 14 | <5 | <20 | 3 | 0.04 | <10 | 28 | <10 | 12 | 66 |
| 80 | 44+50N 9+00E | 0.2 | 2.60 | <5 | 80 | <5 | 0.07 | <1 | 8 | 30 | 15 | 2.74 | 20 | 0.35 | 206 | <1 | <0.01 | 15 | 530 | 84 | <5 | <20 | 6 | 0.05 | <10 | 39 | <10 | 13 | 479 |
| 81 | 44+50N 9+25E #5291 | <0.2 | 2.02 | <5 | 60 | <5 | 0.15 | <1 | 9 | 24 | 20 | 1.61 | 40 | 0.34 | 487 | <1 | 0.01 | 15 | 490 | 68 | <5 | <20 | 14 | 0.04 | <10 | 29 | <10 | 34 | 481 |
| 82 | 44+50N 9+50E #5290 | <0.2 | 1.33 | <5 | 20 | <5 | 0.07 | <1 | 6 | 23 | 7 | 2.70 | 10 | 0.29 | 79 | <1 | <0.01 | 8 | 1110 | 16 | <5 | <20 | 5 | 0.05 | <10 | 38 | <10 | 6 | 146 |
| 83 | 44+50N 9+75E #5289 | <0.2 | 0.28 | <5 | 10 | <5 | 0.02 | <1 | 2 | 3 | 3 | 0.38 | <10 | 0.02 | 21 | <1 | <0.01 | <1 | 130 | 8 | <5 | <20 | 2 | 0.03 | <10 | 13 | <10 | 4 | 13 |
| 84 | 44+50N 10+00E #5288 | 0.3 | 1.55 | <5 | 20 | <5 | 0.03 | <1 | 2 | 7 | 5 | 1.00 | <10 | 0.02 | <1 | <1 | 0.01 | 1 | 290 | 8 | <5 | <20 | 3 | 0.04 | <10 | 12 | <10 | 6 | 11 |
| 85 | 44+50N 11+00E #5292 | 0.4 | 2.38 | <5 | 25 | 10 | 0.06 | <1 | 8 | 31 | 10 | 3.94 | 10 | 0.26 | 85 | <1 | <0.01 | 9 | 480 | 20 | <5 | <20 | 4 | 0.09 | <10 | 70 | <10 | 8 | 139 |
| 86 | 44+50N 11+50E #5283 | <0.2 | 1.18 | <5 | 35 | <5 | 0.09 | <1 | 7 | 16 | 9 | 1.85 | 10 | 0.16 | 607 | <1 | <0.01 | 6 | 820 | 16 | <5 | <20 | 4 | 0.06 | <10 | 24 | <10 | 8 | 46 |
| 87 | 45+50N 8+50E #5032 | 0.4 | 0.91 | <5 | 60 | <5 | 0.49 | <1 | 5 | 13 | 7 | 1.10 | 20 | 0.21 | 170 | <1 | 0.02 | 6 | 490 | 54 | <5 | <20 | 34 | 0.04 | <10 | 24 | <10 | 16 | 67 |
| 88 | 45+50N 8+75E #5031 | 0.2 | 1.08 | <5 | 50 | <5 | 0.30 | <1 | 6 | 16 | 9 | 1.65 | 20 | 0.25 | 232 | <1 | <0.01 | 7 | 330 | 26 | <5 | <20 | 21 | 0.04 | <10 | 23 | <10 | 15 | 90 |
| 89 | 45+50N 9+00E #5030 | <0.2 | 0.16 | <5 | 15 | <5 | 0.03 | <1 | 2 | 4 | 3 | 0.38 | <10 | 0.02 | 22 | <1 | <0.01 | <1 | 30 | 4 | <5 | <20 | 2 | 0.02 | <10 | 14 | <10 | 4 | 14 |
| 90 | 45+50N 9+25E #5029 | <0.2 | 0.23 | <5 | 15 | <5 | 0.02 | <1 | 2 | 4 | 3 | 0.45 | <10 | 0.04 | 24 | <1 | <0.01 | <1 | 110 | 4 | <5 | <20 | 1 | 0.02 | <10 | 16 | <10 | 4 | 10 |
| 91 | 45+50N 9+50E #5028 | <0.2 | 1.65 | <5 | 50 | 5 | 0.12 | <1 | 9 | 23 | 16 | 1.91 | 20 | 0.40 | 240 | <1 | 0.01 | 14 | 520 | 16 | <5 | <20 | 6 | 0.05 | <10 | 28 | <10 | 12 | 60 |
| 92 | 45+50N 9+75E #5027 | <0.2 | 1.56 | <5 | 20 | <5 | 0.05 | <1 | 5 | 16 | 5 | 1.81 | 10 | 0.17 | 75 | <1 | <0.01 | 6 | 830 | 14 | <5 | <20 | 2 | 0.06 | <10 | 30 | <10 | 8 | 32 |
| 93 | 45+50N 10+00E #5001 | <0.2 | 2.18 | <5 | 55 | <5 | 0.06 | <1 | 7 | 29 | 16 | 2.85 | 20 | 0.34 | 129 | <1 | <0.01 | 13 | 390 | 18 | <5 | <20 | 3 | 0.05 | <10 | 33 | <10 | 6 | 55 |
| 94 | 45+50N 10+25E #5002 | 0.4 | 3.18 | <5 | 60 | <5 | 0.29 | 1 | 19 | 32 | 42 | 2.29 | 130 | 0.28 | 2807 | 5 | 0.02 | 37 | 530 | 36 | <5 | <20 | 25 | 0.07 | 30 | 39 | <10 | 133 | 71 |
| 95 | 45+50N 10+50E #5003 | <0.2 | 0.18 | <5 | 10 | <5 | 0.04 | <1 | 2 | 3 | 2 | 0.31 | <10 | 0.02 | 110 | <1 | 0.01 | 1 | 100 | 6 | <5 | <20 | 1 | 0.02 | <10 | 12 | <10 | 4 | 9 |

RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

ECO TECH LABORATORY LTD.

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|---------------------|------|------|----|-----|----|-------|----|----|----|----|------|-----|-------|------|----|-------|----|------|-----|----|-----|----|------|-----|----|-----|----|-----|
| 96 | 45+50N 10+75E #5004 | <0.2 | 1.88 | ♂ | 35 | ♂ | 0.07 | <1 | 5 | 22 | 7 | 2.27 | 10 | 0.27 | 166 | <1 | <0.01 | 8 | 380 | 12 | ♂ | <20 | 5 | 0.04 | <10 | 31 | <10 | 4 | 40 |
| 97 | 45+50N 11+00E #5005 | <0.2 | 0.18 | ♂ | 25 | ♂ | 0.12 | <1 | 1 | 3 | 3 | 0.27 | <10 | 0.02 | 111 | <1 | <0.01 | 1 | 170 | 8 | ♂ | <20 | 4 | 0.01 | <10 | 9 | <10 | 3 | 17 |
| 98 | 45+50N 11+25E #5006 | <0.2 | 0.12 | ♂ | 15 | ♂ | 0.05 | <1 | <1 | 2 | <1 | 0.12 | <10 | 0.01 | 16 | <1 | 0.01 | <1 | 80 | 6 | ♂ | <20 | 2 | 0.02 | <10 | 6 | <10 | 3 | 5 |
| 99 | 45+50N 11+50E #5007 | <0.2 | 0.19 | ♂ | 10 | ♂ | 0.02 | <1 | 2 | 3 | <1 | 0.36 | <10 | 0.01 | 15 | <1 | <0.01 | <1 | 70 | 4 | ♂ | <20 | 1 | 0.02 | <10 | 16 | <10 | 3 | 5 |
| 100 | 45+50N 11+75E #5008 | <0.2 | 0.10 | ♂ | <5 | ♂ | 0.02 | <1 | <1 | 2 | 1 | 0.19 | <10 | <0.01 | 14 | <1 | 0.01 | <1 | 80 | <2 | ♂ | <20 | <1 | 0.01 | <10 | 9 | <10 | 2 | 4 |
| 101 | 45+50N 12+00E #5009 | <0.2 | 0.82 | ♂ | 35 | ♂ | 0.15 | <1 | 9 | 19 | 4 | 1.68 | <10 | 0.33 | 106 | <1 | 0.02 | 8 | 310 | 14 | ♂ | <20 | 7 | 0.10 | <10 | 57 | <10 | 10 | 27 |
| 102 | 45+50N 12+25E #5010 | <0.2 | 0.13 | ♂ | 10 | ♂ | 0.02 | <1 | <1 | 2 | 1 | 0.18 | <10 | 0.01 | 12 | <1 | 0.01 | <1 | 90 | 4 | ♂ | <20 | 2 | 0.01 | <10 | 8 | <10 | 1 | 5 |
| 103 | 45+50N 12+50E #5011 | <0.2 | 0.12 | ♂ | 5 | ♂ | 0.01 | <1 | <1 | 1 | <1 | 0.10 | <10 | <0.01 | 9 | <1 | 0.01 | <1 | 80 | 4 | ♂ | <20 | <1 | 0.01 | <10 | 6 | <10 | 2 | 2 |
| 104 | 45+50N 12+75E #5012 | <0.2 | 0.09 | ♂ | 5 | ♂ | 0.03 | <1 | 1 | 2 | <1 | 0.21 | <10 | 0.01 | 29 | <1 | 0.01 | <1 | 100 | 4 | ♂ | <20 | 1 | 0.01 | <10 | 10 | <10 | 1 | 5 |
| 105 | 45+50N 13+00E #5013 | <0.2 | 0.10 | ♂ | <5 | ♂ | <0.01 | <1 | 1 | 2 | <1 | 0.22 | <10 | <0.01 | 13 | <1 | 0.01 | <1 | 70 | 4 | ♂ | <20 | <1 | 0.01 | <10 | 10 | <10 | 2 | 4 |
| 106 | 46+00N 8+75E #5033 | <0.2 | 0.30 | ♂ | 15 | ♂ | 0.07 | <1 | 2 | 6 | 4 | 0.82 | <10 | 0.08 | 36 | <1 | <0.01 | 3 | 80 | 2 | ♂ | <20 | 2 | 0.02 | <10 | 22 | <10 | 3 | 9 |
| 107 | 46+00N 9+00E #5034 | 0.5 | 2.55 | ♂ | 105 | ♂ | 0.16 | <1 | 12 | 30 | 22 | 2.23 | 60 | 0.44 | 645 | <1 | 0.01 | 22 | 630 | 34 | ♂ | <20 | 14 | 0.04 | <10 | 35 | <10 | 56 | 183 |
| 108 | 46+00N 9+25E #5035 | 0.5 | 2.86 | ♂ | 110 | ♂ | 0.18 | <1 | 14 | 33 | 25 | 2.47 | 70 | 0.48 | 685 | <1 | <0.01 | 23 | 740 | 36 | ♂ | <20 | 16 | 0.04 | 10 | 37 | <10 | 68 | 196 |
| 109 | 46+00N 9+50E #5036 | 1.4 | 3.97 | ♂ | 100 | ♂ | 0.32 | <1 | 11 | 32 | 25 | 3.13 | 40 | 0.38 | 295 | <1 | 0.02 | 27 | 390 | 310 | ♂ | <20 | 23 | 0.09 | <10 | 36 | <10 | 62 | 575 |
| 110 | 46+00N 9+75E #5037 | 1.4 | 3.83 | ♂ | 95 | ♂ | 0.30 | 1 | 15 | 31 | 23 | 3.20 | 50 | 0.32 | 379 | <1 | 0.02 | 25 | 380 | 330 | ♂ | <20 | 23 | 0.09 | <10 | 37 | <10 | 68 | 541 |
| 111 | 46+00N 10+00E #5026 | <0.2 | 1.91 | ♂ | 25 | ♂ | 0.06 | <1 | 7 | 29 | 7 | 3.17 | 20 | 0.35 | 125 | <1 | <0.01 | 12 | 440 | 16 | ♂ | <20 | 3 | 0.05 | <10 | 37 | <10 | 5 | 78 |
| 112 | 46+00N 10+25E #5025 | <0.2 | 0.51 | ♂ | 25 | ♂ | 0.06 | <1 | 4 | 11 | 4 | 1.58 | <10 | 0.07 | 192 | <1 | <0.01 | 3 | 350 | 8 | ♂ | <20 | 3 | 0.05 | <10 | 40 | <10 | 4 | 19 |
| 113 | 46+00N 10+50E #5024 | <0.2 | 1.55 | ♂ | 30 | ♂ | 0.05 | <1 | 6 | 25 | 7 | 2.52 | 10 | 0.20 | 92 | <1 | <0.01 | 10 | 380 | 10 | ♂ | <20 | 2 | 0.04 | <10 | 43 | <10 | 4 | 33 |
| 114 | 46+00N 10+75E #5023 | <0.2 | 0.19 | ♂ | 10 | ♂ | 0.07 | <1 | 2 | 3 | <1 | 0.37 | <10 | 0.02 | 26 | <1 | 0.01 | <1 | 60 | 4 | ♂ | <20 | 2 | 0.02 | <10 | 16 | <10 | 2 | 7 |
| 115 | 46+00N 11+00E #5022 | 0.2 | 2.78 | ♂ | 50 | ♂ | 0.08 | <1 | 7 | 25 | 9 | 2.40 | 10 | 0.32 | 119 | <1 | <0.01 | 10 | 440 | 14 | ♂ | <20 | 5 | 0.04 | <10 | 29 | <10 | 7 | 44 |
| 116 | 46+00N 11+25E #5021 | <0.2 | 0.12 | ♂ | 5 | ♂ | 0.02 | <1 | 1 | 2 | 1 | 0.25 | <10 | 0.01 | 19 | <1 | 0.01 | <1 | 100 | <2 | ♂ | <20 | <1 | 0.01 | <10 | 10 | <10 | 1 | 5 |
| 117 | 46+00N 11+50E #5020 | <0.2 | 0.17 | ♂ | <5 | ♂ | 0.02 | <1 | <1 | 2 | <1 | 0.12 | <10 | <0.01 | 10 | <1 | 0.01 | <1 | 90 | 4 | ♂ | <20 | <1 | 0.01 | <10 | 7 | <10 | 2 | 4 |
| 118 | 46+00N 11+75E #5019 | 0.2 | 0.16 | ♂ | 5 | ♂ | 0.02 | <1 | <1 | 2 | 2 | 0.16 | <10 | <0.01 | 12 | <1 | 0.01 | <1 | 180 | 4 | ♂ | <20 | 2 | 0.01 | <10 | 7 | <10 | 2 | 3 |
| 119 | 46+00N 12+00E #5018 | <0.2 | 0.37 | ♂ | 20 | ♂ | 0.05 | <1 | 1 | 5 | 2 | 0.37 | <10 | 0.03 | 20 | <1 | <0.01 | 1 | 100 | 8 | ♂ | <20 | 4 | 0.02 | <10 | 14 | <10 | 3 | 7 |
| 120 | 46+00N 12+25E #5017 | <0.2 | 0.15 | ♂ | <5 | ♂ | 0.03 | <1 | 1 | 2 | 1 | 0.24 | <10 | 0.01 | 33 | <1 | 0.01 | <1 | 130 | 4 | ♂ | <20 | 2 | 0.01 | <10 | 11 | <10 | 2 | 5 |
| 121 | 46+00N 12+50E #5016 | <0.2 | 1.14 | ♂ | 15 | ♂ | 0.09 | 1 | 4 | 12 | 6 | 1.91 | <10 | 0.07 | 332 | <1 | <0.01 | 4 | 1100 | 8 | ♂ | <20 | 3 | 0.05 | <10 | 31 | <10 | 4 | 17 |
| 122 | 46+00N 12+75E #5015 | <0.2 | 1.40 | ♂ | 20 | ♂ | 0.04 | <1 | 4 | 11 | 8 | 1.45 | <10 | 0.07 | 136 | <1 | <0.01 | 2 | 450 | 14 | ♂ | <20 | 1 | 0.05 | <10 | 25 | <10 | 5 | 26 |
| 123 | 46+00N 13+00E #5014 | <0.2 | 0.10 | ♂ | <5 | ♂ | 0.02 | <1 | 2 | 4 | 1 | 0.61 | <10 | 0.02 | 23 | <1 | 0.01 | <1 | 60 | <2 | ♂ | <20 | 1 | 0.02 | <10 | 21 | <10 | 1 | 10 |
| 124 | 46+50N 8+25E #5084 | <0.2 | 1.39 | ♂ | 30 | ♂ | 0.11 | <1 | 2 | 7 | 9 | 0.27 | 10 | 0.05 | 19 | <1 | 0.01 | 3 | 270 | 10 | ♂ | <20 | 9 | 0.02 | <10 | 14 | <10 | 8 | 13 |
| 125 | 46+50N 8+50E #5083 | 0.5 | 1.43 | ♂ | 55 | ♂ | 0.22 | <1 | 8 | 24 | 9 | 1.87 | 10 | 0.40 | 592 | <1 | 0.01 | 14 | 240 | 16 | ♂ | <20 | 12 | 0.04 | <10 | 30 | <10 | 7 | 172 |
| 126 | 46+50N 8+75E #5082 | <0.2 | 0.93 | ♂ | 30 | ♂ | 0.13 | <1 | 5 | 14 | 6 | 1.67 | <10 | 0.19 | 78 | <1 | 0.01 | 6 | 220 | 12 | ♂ | <20 | 6 | 0.04 | <10 | 27 | <10 | 5 | 50 |
| 127 | 46+50N 9+00E #5081 | 0.7 | 2.53 | ♂ | 140 | ♂ | 0.42 | <1 | 18 | 29 | 23 | 2.50 | 30 | 0.40 | 4098 | 3 | 0.02 | 21 | 680 | 34 | ♂ | <20 | 29 | 0.06 | 10 | 41 | <10 | 26 | 97 |
| 128 | 46+50N 9+25E #5080 | <0.2 | 2.11 | ♂ | 60 | ♂ | 0.17 | <1 | 9 | 24 | 11 | 2.25 | 20 | 0.36 | 240 | <1 | 0.01 | 14 | 380 | 10 | ♂ | <20 | 9 | 0.04 | <10 | 35 | <10 | 8 | 77 |
| 129 | 46+50N 9+50E #5059 | <0.2 | 0.66 | ♂ | 25 | ♂ | 0.08 | <1 | 3 | 9 | 4 | 0.92 | <10 | 0.10 | 64 | <1 | 0.01 | 3 | 190 | 8 | ♂ | <20 | 4 | 0.03 | <10 | 26 | <10 | 5 | 17 |
| 130 | 46+50N 9+75E #5058 | <0.2 | 2.37 | ♂ | 55 | ♂ | 0.13 | <1 | 8 | 26 | 13 | 2.25 | 20 | 0.41 | 270 | <1 | <0.01 | 13 | 470 | 14 | ♂ | <20 | 6 | 0.03 | <10 | 32 | <10 | 6 | 53 |

RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

ECO TECH LABORATORY LTD.

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|---------------------|-----------|------|----|----|----|------|----|----|----|----|------|-----|-------|------|----|-------|----|------|----|----|-----|----|-------|-----|----|-----|----|----|
| 131 | 46+50N 10+00E #5057 | <0.2 | 2.82 | <5 | 65 | <5 | 0.12 | <1 | 9 | 32 | 11 | 2.68 | 20 | 0.48 | 193 | <1 | <0.01 | 16 | 440 | 14 | <5 | <20 | 8 | 0.04 | <10 | 34 | <10 | 6 | 67 |
| 132 | 46+50N 10+25E #5076 | <0.2 | 0.80 | <5 | 20 | <5 | 0.10 | <1 | 3 | 8 | 4 | 1.02 | <10 | 0.09 | 106 | <1 | 0.01 | 2 | 330 | 10 | <5 | <20 | 4 | 0.03 | <10 | 19 | <10 | 4 | 25 |
| 133 | 46+50N 10+50E #5077 | <0.2 | 0.46 | <5 | 15 | <5 | 0.05 | <1 | 2 | 7 | 2 | 0.88 | <10 | 0.06 | 38 | <1 | <0.01 | 2 | 300 | 6 | <5 | <20 | 3 | 0.03 | <10 | 21 | <10 | 4 | 14 |
| 134 | 46+50N 10+75E #5078 | <0.2 | 0.15 | <5 | 15 | <5 | 0.06 | <1 | 2 | 4 | 3 | 0.42 | <10 | 0.02 | 32 | <1 | 0.01 | 1 | 100 | <2 | <5 | <20 | 4 | 0.01 | <10 | 15 | <10 | 2 | 9 |
| 135 | 46+50N 11+00E #5079 | <0.2 | 0.26 | <5 | 10 | <5 | 0.03 | <1 | 2 | 4 | 2 | 0.47 | <10 | 0.03 | 23 | <1 | 0.01 | <1 | 160 | 4 | <5 | <20 | 2 | 0.03 | <10 | 13 | <10 | 4 | 9 |
| 136 | 46+50N 11+25E #5080 | <0.2 | 1.05 | <5 | 25 | <5 | 0.04 | <1 | 4 | 11 | 5 | 1.35 | <10 | 0.12 | 53 | <1 | <0.01 | 3 | 570 | 10 | <5 | <20 | 4 | 0.05 | <10 | 23 | <10 | 6 | 21 |
| 137 | 46+50N 11+50E #5081 | <0.2 | 0.23 | <5 | 25 | <5 | 0.03 | <1 | 3 | 11 | 3 | 0.56 | <10 | 0.13 | 39 | <1 | 0.01 | 5 | 180 | 2 | <5 | <20 | 4 | 0.02 | <10 | 16 | <10 | 2 | 10 |
| 138 | 46+50N 11+75E #5082 | <0.2 | 0.11 | <5 | 10 | <5 | 0.05 | <1 | <1 | 2 | 2 | 0.18 | <10 | 0.01 | 43 | <1 | 0.01 | <1 | 180 | 4 | <5 | <20 | 3 | <0.01 | <10 | 7 | <10 | 1 | 6 |
| 139 | 46+50N 12+00E #5083 | <0.2 | 0.89 | <5 | 5 | <5 | 0.05 | <1 | 2 | 8 | 4 | 0.72 | <10 | 0.05 | 22 | <1 | 0.01 | 3 | 360 | 6 | <5 | <20 | 3 | 0.03 | <10 | 15 | <10 | 3 | 9 |
| 140 | 46+50N 12+25E #5084 | <0.2 | 0.15 | <5 | 15 | <5 | 0.08 | <1 | 2 | 3 | 2 | 0.33 | <10 | 0.02 | 44 | <1 | 0.01 | <1 | 160 | 6 | <5 | <20 | 3 | 0.03 | <10 | 11 | <10 | 2 | 8 |
| 141 | 46+50N 12+50E #5085 | <0.2 | 0.31 | <5 | 15 | <5 | 0.04 | <1 | 2 | 3 | 2 | 0.39 | <10 | 0.02 | 29 | <1 | 0.01 | 2 | 100 | 12 | <5 | <20 | 2 | 0.02 | <10 | 11 | <10 | 4 | 24 |
| 142 | 46+50N 12+75E #5086 | <0.2 | 0.38 | <5 | 5 | <5 | 0.03 | <1 | 2 | 4 | 2 | 0.72 | <10 | 0.02 | 20 | <1 | 0.01 | <1 | 290 | 8 | <5 | <20 | 1 | 0.04 | <10 | 15 | <10 | 4 | 6 |
| 143 | 46+50N 13+00E #5087 | 0.2 | 0.14 | <5 | <5 | <5 | 0.02 | <1 | <1 | 1 | <1 | 0.15 | <10 | <0.01 | 10 | <1 | 0.02 | <1 | 140 | 6 | <5 | <20 | 1 | 0.02 | <10 | 6 | <10 | 2 | 4 |
| 144 | 47+00N 7+50E #5085 | 0.2 | 2.46 | <5 | 45 | <5 | 0.07 | <1 | 22 | 28 | 13 | 2.38 | 30 | 0.39 | 1006 | <1 | <0.01 | 17 | 430 | 20 | <5 | <20 | 4 | 0.05 | <10 | 29 | <10 | 21 | 80 |
| 145 | 47+00N 7+75E #5066 | 0.2 | 3.30 | <5 | 20 | 5 | 0.04 | <1 | 8 | 32 | 9 | 3.70 | 20 | 0.28 | 71 | <1 | <0.01 | 9 | 580 | 18 | <5 | <20 | 2 | 0.05 | <10 | 42 | <10 | 6 | 44 |
| 146 | 47+00N 8+00E #5067 | 0.2 | 2.06 | <5 | 40 | <5 | 0.13 | <1 | 5 | 19 | 11 | 1.98 | 20 | 0.23 | 114 | <1 | 0.01 | 8 | 460 | 18 | <5 | <20 | 9 | 0.05 | <10 | 28 | <10 | 16 | 38 |
| 147 | 47+00N 8+25E #5068 | 0.3 | 1.31 | <5 | 60 | <5 | 0.54 | <1 | 8 | 18 | 11 | 2.05 | 20 | 0.21 | 518 | <1 | 0.02 | 10 | 520 | 14 | <5 | <20 | 24 | 0.04 | <10 | 32 | <10 | 21 | 57 |
| 148 | 47+00N 8+50E #5069 | <0.2 | 0.97 | <5 | 20 | <5 | 0.07 | <1 | 4 | 14 | 5 | 1.59 | <10 | 0.19 | 81 | <1 | 0.01 | 5 | 200 | 8 | <5 | <20 | 3 | 0.04 | <10 | 34 | <10 | 5 | 24 |
| 149 | 47+00N 8+75E #5070 | <0.2 | 2.19 | <5 | 70 | <5 | 0.12 | <1 | 10 | 27 | 13 | 2.16 | 20 | 0.55 | 195 | <1 | 0.01 | 17 | 400 | 16 | <5 | <20 | 6 | 0.04 | <10 | 32 | <10 | 9 | 71 |
| 150 | 47+00N 9+00E #5071 | 0.2 | 0.42 | <5 | 10 | <5 | 0.04 | <1 | 3 | 6 | 2 | 0.99 | <10 | 0.04 | 15 | <1 | <0.01 | <1 | 140 | 8 | <5 | <20 | 2 | 0.05 | <10 | 29 | <10 | 5 | 9 |
| 151 | 47+00N 9+25E #5072 | <0.2 | 3.93 | <5 | 30 | 5 | 0.06 | <1 | 8 | 24 | 12 | 3.12 | 20 | 0.13 | 141 | <1 | <0.01 | 8 | 890 | 24 | <5 | <20 | 4 | 0.09 | <10 | 45 | <10 | 15 | 37 |
| 152 | 47+00N 9+50E #5073 | <0.2 | 0.45 | <5 | 15 | <5 | 0.07 | <1 | 3 | 7 | 3 | 0.94 | <10 | 0.03 | 47 | <1 | 0.01 | 2 | 250 | 6 | <5 | <20 | 3 | 0.04 | <10 | 23 | <10 | 5 | 11 |
| 153 | 47+00N 9+75E #5074 | 0.2 | 2.49 | <5 | 50 | 5 | 0.11 | <1 | 9 | 26 | 14 | 2.36 | 20 | 0.35 | 300 | <1 | <0.01 | 15 | 660 | 22 | <5 | <20 | 6 | 0.04 | <10 | 30 | <10 | 10 | 72 |
| 154 | 47+00N 10+00E #5075 | <0.2 | 0.21 | <5 | 15 | <5 | 0.07 | <1 | 2 | 3 | 2 | 0.28 | <10 | 0.03 | 28 | <1 | 0.01 | <1 | 180 | 8 | <5 | <20 | 3 | 0.03 | <10 | 11 | <10 | 4 | 10 |
| 155 | 47+00N 10+25E #5099 | No Sample | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 156 | 47+00N 10+50E #5098 | <0.2 | 0.72 | <5 | 25 | <5 | 0.06 | <1 | 5 | 12 | 4 | 1.53 | 10 | 0.10 | 25 | <1 | <0.01 | 3 | 280 | 12 | <5 | <20 | 3 | 0.07 | <10 | 42 | <10 | 8 | 17 |
| 157 | 47+00N 10+75E #5097 | <0.2 | 0.99 | <5 | 20 | <5 | 0.08 | <1 | 3 | 11 | 3 | 1.28 | <10 | 0.10 | 34 | <1 | <0.01 | 3 | 340 | 8 | <5 | <20 | 5 | 0.03 | <10 | 23 | <10 | 3 | 33 |
| 158 | 47+00N 11+00E #5096 | <0.2 | 2.85 | <5 | 50 | <5 | 0.13 | <1 | 6 | 24 | 6 | 2.65 | 10 | 0.23 | 291 | <1 | <0.01 | 9 | 1000 | 22 | <5 | <20 | 7 | 0.06 | <10 | 39 | <10 | 5 | 56 |
| 159 | 47+00N 11+25E #5095 | <0.2 | 0.69 | <5 | 25 | <5 | 0.06 | <1 | 3 | 6 | 2 | 0.84 | <10 | 0.03 | 11 | <1 | 0.01 | 2 | 310 | 10 | <5 | <20 | 2 | 0.05 | <10 | 22 | <10 | 6 | 9 |
| 160 | 47+00N 11+50E #5094 | 0.6 | 5.69 | <5 | 15 | 10 | 0.05 | <1 | 6 | 33 | 8 | 4.01 | 20 | 0.10 | <1 | <1 | <0.01 | 8 | 870 | 30 | <5 | <20 | 2 | 0.08 | <10 | 53 | <10 | 10 | 18 |
| 161 | 47+00N 11+75E #5093 | <0.2 | 0.71 | <5 | 10 | <5 | 0.03 | <1 | 2 | 5 | 2 | 0.81 | <10 | 0.02 | 20 | <1 | 0.01 | 1 | 310 | 8 | <5 | <20 | 3 | 0.03 | <10 | 19 | <10 | 3 | 7 |
| 162 | 47+00N 12+00E #5092 | <0.2 | 0.19 | <5 | 10 | <5 | 0.03 | <1 | 1 | 3 | 1 | 0.27 | <10 | 0.02 | 35 | <1 | 0.01 | <1 | 130 | 8 | <5 | <20 | 2 | 0.02 | <10 | 11 | <10 | 3 | 5 |
| 163 | 47+00N 12+25E #5091 | <0.2 | 0.24 | <5 | 10 | <5 | 0.03 | <1 | 1 | 3 | 1 | 0.35 | <10 | 0.01 | 37 | <1 | 0.01 | <1 | 240 | 6 | <5 | <20 | 2 | 0.02 | <10 | 10 | <10 | 2 | 5 |
| 164 | 47+00N 12+50E #5090 | 0.2 | 2.00 | <5 | 10 | <5 | 0.05 | <1 | 3 | 9 | 6 | 1.11 | <10 | 0.04 | 230 | <1 | 0.01 | 2 | 530 | 16 | <5 | <20 | 3 | 0.04 | <10 | 22 | <10 | 4 | 7 |
| 165 | 47+00N 12+75E #5089 | 0.2 | 3.51 | <5 | 40 | <5 | 0.12 | <1 | 9 | 28 | 15 | 2.68 | 20 | 0.31 | 480 | <1 | <0.01 | 13 | 1120 | 20 | <5 | <20 | 4 | 0.06 | <10 | 34 | <10 | 9 | 62 |

RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

ECO TECH LABORATORY LTD.

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|---------------------|------|------|----|-----|----|------|----|----|----|----|------|-----|-------|------|----|-------|----|------|----|----|-----|----|------|-----|----|-----|----|-----|
| 166 | 47+00N 13+00E #5088 | <0.2 | 0.24 | <5 | 25 | <5 | 0.10 | <1 | 2 | 4 | 2 | 0.37 | <10 | 0.03 | 57 | <1 | 0.01 | <1 | 160 | 8 | <5 | <20 | 4 | 0.03 | <10 | 14 | <10 | 3 | 10 |
| 167 | 47+50N 6+75E #5051 | 0.2 | 2.42 | <5 | 30 | <5 | 0.03 | <1 | 5 | 28 | 8 | 2.93 | 20 | 0.24 | 60 | <1 | <0.01 | 7 | 450 | 16 | <5 | <20 | 3 | 0.04 | <10 | 38 | <10 | 4 | 31 |
| 168 | 47+50N 7+00E #5050 | 0.3 | 1.17 | <5 | 30 | <5 | 0.11 | <1 | 4 | 13 | 7 | 1.56 | <10 | 0.10 | 443 | <1 | <0.01 | 4 | 420 | 10 | <5 | <20 | 6 | 0.04 | <10 | 25 | <10 | 5 | 24 |
| 169 | 47+50N 7+25E #5049 | 0.2 | 1.33 | <5 | 25 | 5 | 0.05 | <1 | 5 | 16 | 8 | 2.64 | 10 | 0.11 | 180 | <1 | <0.01 | 3 | 780 | 10 | <5 | <20 | 3 | 0.07 | <10 | 48 | <10 | 7 | 22 |
| 170 | 47+50N 7+50E #5047 | 0.2 | 1.07 | <5 | 35 | <5 | 0.06 | <1 | 5 | 16 | 8 | 1.71 | 20 | 0.29 | 114 | <1 | <0.01 | 5 | 290 | 10 | <5 | <20 | 6 | 0.03 | <10 | 38 | <10 | 4 | 31 |
| 171 | 47+50N 7+50E #5048 | 0.3 | 1.43 | <5 | 40 | <5 | 0.05 | <1 | 5 | 13 | 5 | 1.14 | 10 | 0.14 | 487 | <1 | 0.01 | 5 | 340 | 14 | <5 | <20 | 3 | 0.03 | <10 | 22 | <10 | 5 | 32 |
| 172 | 47+50N 7+75E #5046 | 0.4 | 1.40 | <5 | 55 | <5 | 0.11 | <1 | 7 | 23 | 9 | 2.55 | 20 | 0.36 | 120 | <1 | 0.01 | 10 | 310 | 16 | <5 | <20 | 10 | 0.04 | <10 | 41 | <10 | 8 | 40 |
| 173 | 47+50N 8+00E #5045 | 0.8 | 4.12 | <5 | 155 | <5 | 0.39 | <1 | 20 | 39 | 45 | 2.41 | 80 | 0.44 | 1805 | 2 | 0.01 | 28 | 1480 | 86 | <5 | <20 | 29 | 0.04 | 20 | 30 | <10 | 91 | 130 |
| 174 | 47+50N 8+25E #5044 | 0.4 | 0.31 | <5 | 20 | <5 | 0.08 | <1 | 2 | 4 | 2 | 0.28 | <10 | 0.02 | 35 | <1 | 0.01 | <1 | 190 | 10 | <5 | <20 | 5 | 0.03 | <10 | 8 | <10 | 5 | 7 |
| 175 | 47+50N 8+50E #5043 | 0.2 | 0.53 | <5 | 35 | <5 | 0.05 | <1 | 2 | 6 | 3 | 0.80 | <10 | 0.04 | 20 | <1 | <0.01 | 1 | 220 | 6 | <5 | <20 | 5 | 0.02 | <10 | 17 | <10 | 3 | 10 |
| 176 | 47+50N 8+75E #5042 | <0.2 | 2.63 | <5 | 30 | <5 | 0.07 | <1 | 6 | 20 | 10 | 2.34 | 10 | 0.21 | 127 | <1 | 0.01 | 7 | 710 | 22 | <5 | <20 | 3 | 0.05 | <10 | 30 | <10 | 6 | 35 |
| 177 | 47+50N 9+00E #5041 | <0.2 | 0.24 | <5 | 5 | <5 | 0.04 | <1 | 2 | 3 | 1 | 0.39 | <10 | 0.02 | 25 | <1 | <0.01 | <1 | 90 | 8 | <5 | <20 | 2 | 0.02 | <10 | 17 | <10 | 4 | 7 |
| 178 | 47+50N 9+25E #5040 | 0.2 | 1.33 | <5 | 25 | <5 | 0.08 | <1 | 5 | 18 | 8 | 1.85 | 10 | 0.22 | 388 | <1 | <0.01 | 6 | 840 | 10 | <5 | <20 | 4 | 0.03 | <10 | 25 | <10 | 3 | 32 |
| 179 | 47+50N 9+50E #5039 | <0.2 | 0.33 | <5 | 10 | <5 | 0.04 | <1 | 2 | 4 | 1 | 0.46 | <10 | 0.03 | 43 | <1 | 0.01 | <1 | 190 | 6 | <5 | <20 | 2 | 0.03 | <10 | 17 | <10 | 4 | 8 |
| 180 | 47+50N 9+75E #5038 | <0.2 | 2.50 | <5 | 40 | 5 | 0.08 | <1 | 5 | 21 | 6 | 2.49 | 10 | 0.14 | 84 | <1 | <0.01 | 5 | 600 | 18 | <5 | <20 | 4 | 0.05 | <10 | 33 | <10 | 5 | 32 |
| 181 | 47+50N 10+00E #5100 | <0.2 | 3.68 | <5 | 35 | <5 | 0.05 | <1 | 7 | 25 | 9 | 3.07 | 20 | 0.19 | 114 | <1 | <0.01 | 7 | 790 | 22 | <5 | <20 | 3 | 0.07 | <10 | 46 | <10 | 8 | 35 |
| 182 | 47+50N 10+25E #5449 | <0.2 | 0.29 | <5 | 15 | <5 | 0.04 | <1 | 3 | 5 | 3 | 0.58 | <10 | 0.03 | 41 | <1 | 0.01 | <1 | 210 | 10 | <5 | <20 | 2 | 0.05 | <10 | 19 | <10 | 6 | 9 |
| 183 | 47+50N 10+50E #5451 | <0.2 | 3.65 | <5 | 35 | 5 | 0.06 | <1 | 6 | 30 | 7 | 3.49 | 20 | 0.20 | 35 | <1 | <0.01 | 7 | 440 | 24 | <5 | <20 | 4 | 0.06 | <10 | 39 | <10 | 6 | 32 |
| 184 | 47+50N 10+75E #5452 | 0.2 | 3.36 | <5 | 40 | 5 | 0.03 | <1 | 3 | 15 | 5 | 1.46 | <10 | 0.04 | 88 | <1 | <0.01 | 4 | 550 | 20 | <5 | <20 | 3 | 0.05 | <10 | 22 | <10 | 5 | 12 |
| 185 | 47+50N 11+00E #5453 | 0.2 | 4.22 | <5 | 35 | <5 | 0.02 | <1 | 3 | 16 | 5 | 1.52 | <10 | 0.03 | 144 | <1 | <0.01 | 4 | 610 | 24 | <5 | <20 | 3 | 0.05 | <10 | 20 | <10 | 6 | 10 |
| 186 | 47+50N 11+25E #5454 | <0.2 | 0.28 | <5 | 70 | <5 | 0.30 | <1 | 3 | 4 | 5 | 0.51 | <10 | 0.03 | 789 | <1 | 0.01 | 2 | 470 | 10 | <5 | <20 | 13 | 0.05 | <10 | 20 | <10 | 5 | 35 |
| 187 | 47+50N 11+50E #5455 | <0.2 | 0.35 | <5 | 55 | <5 | 0.28 | <1 | 4 | 6 | 4 | 0.84 | <10 | 0.04 | 738 | <1 | 0.01 | 3 | 700 | 12 | <5 | <20 | 11 | 0.07 | <10 | 32 | <10 | 7 | 29 |
| 188 | 47+50N 11+75E #5456 | <0.2 | 0.14 | <5 | 5 | <5 | 0.02 | <1 | <1 | 2 | <1 | 0.17 | <10 | <0.01 | 24 | <1 | 0.01 | <1 | 110 | 4 | <5 | <20 | 1 | 0.01 | <10 | 8 | <10 | 2 | 4 |
| 189 | 47+50N 12+00E #5457 | <0.2 | 0.32 | <5 | 10 | <5 | 0.04 | <1 | 2 | 3 | 2 | 0.52 | <10 | 0.02 | 83 | <1 | 0.01 | <1 | 230 | 6 | <5 | <20 | 2 | 0.03 | <10 | 14 | <10 | 3 | 7 |
| 190 | 47+50N 12+25E #5458 | <0.2 | 0.49 | <5 | 15 | <5 | 0.08 | <1 | 2 | 5 | 2 | 0.82 | <10 | 0.03 | 98 | <1 | 0.01 | 2 | 360 | 6 | <5 | <20 | 2 | 0.04 | <10 | 20 | <10 | 3 | 9 |
| 191 | 47+50N 12+50E #5459 | <0.2 | 0.51 | <5 | 10 | <5 | 0.06 | <1 | 2 | 5 | 3 | 0.80 | <10 | 0.02 | 74 | <1 | 0.01 | 1 | 330 | 8 | <5 | <20 | 2 | 0.03 | <10 | 20 | <10 | 3 | 9 |
| 192 | 47+50N 12+75E #5460 | <0.2 | 0.19 | <5 | 15 | <5 | 0.03 | <1 | 2 | 4 | 2 | 0.39 | <10 | 0.03 | 105 | <1 | 0.01 | <1 | 120 | 4 | <5 | <20 | 2 | 0.02 | <10 | 13 | <10 | 3 | 7 |
| 193 | 47+50N 13+00E #5461 | <0.2 | 0.22 | <5 | 10 | <5 | 0.03 | <1 | 3 | 6 | 2 | 0.52 | <10 | 0.06 | 92 | <1 | 0.01 | <1 | 90 | 8 | <5 | <20 | 1 | 0.04 | <10 | 17 | <10 | 4 | 8 |
| 194 | 48+00N 6+50E #5052 | <0.2 | 0.87 | <5 | 25 | <5 | 0.03 | <1 | 3 | 7 | 4 | 0.79 | 10 | 0.08 | 218 | <1 | 0.01 | 2 | 170 | 14 | <5 | <20 | 3 | 0.04 | <10 | 22 | <10 | 6 | 19 |
| 195 | 48+00N 6+75E #5053 | <0.2 | 2.16 | <5 | 35 | <5 | 0.04 | <1 | 6 | 23 | 9 | 2.45 | 20 | 0.25 | 142 | <1 | <0.01 | 7 | 350 | 14 | <5 | <20 | 4 | 0.05 | <10 | 32 | <10 | 7 | 55 |
| 196 | 48+00N 7+00E #5054 | <0.2 | 1.33 | <5 | 35 | <5 | 0.05 | <1 | 5 | 18 | 7 | 2.43 | 20 | 0.22 | 222 | <1 | <0.01 | 5 | 380 | 12 | <5 | <20 | 5 | 0.03 | <10 | 40 | <10 | 4 | 36 |
| 197 | 48+00N 7+25E #5055 | <0.2 | 1.86 | <5 | 30 | <5 | 0.03 | <1 | 4 | 20 | 5 | 1.71 | 10 | 0.17 | 97 | <1 | <0.01 | 4 | 380 | 14 | <5 | <20 | 3 | 0.03 | <10 | 31 | <10 | 4 | 31 |
| 198 | 48+00N 7+50E #5056 | <0.2 | 1.43 | <5 | 25 | <5 | 0.06 | <1 | 6 | 21 | 8 | 2.58 | 20 | 0.27 | 216 | <1 | <0.01 | 7 | 480 | 14 | <5 | <20 | 5 | 0.04 | <10 | 44 | <10 | 4 | 34 |
| 199 | 48+00N 7+75E #5401 | <0.2 | 1.43 | <5 | 20 | <5 | 0.03 | <1 | 3 | 12 | 6 | 1.33 | 10 | 0.11 | 29 | <1 | <0.01 | 4 | 370 | 12 | <5 | <20 | 3 | 0.02 | <10 | 25 | <10 | 3 | 15 |
| 200 | 48+00N 8+00E #5402 | 0.3 | 2.18 | <5 | 40 | <5 | 0.16 | <1 | 6 | 18 | 13 | 1.94 | 50 | 0.21 | 167 | <1 | 0.01 | 7 | 430 | 18 | <5 | <20 | 13 | 0.04 | <10 | 31 | <10 | 37 | 31 |

RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

ECO TECH LABORATORY LTD.

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|---------------------|------|------|----|-----|----|------|----|----|----|----|------|-----|------|------|----|-------|----|------|----|----|-----|----|-------|-----|----|-----|----|----|
| 201 | 48+00N 8+25E #5403 | <0.2 | 2.48 | <5 | 30 | 5 | 0.04 | <1 | 5 | 18 | 7 | 2.55 | 10 | 0.13 | 46 | <1 | <0.01 | 4 | 370 | 24 | <5 | <20 | 4 | 0.06 | <10 | 43 | <10 | 10 | 35 |
| 202 | 48+00N 8+50E #5412 | <0.2 | 2.64 | <5 | 40 | <5 | 0.03 | <1 | 6 | 22 | 6 | 2.59 | 20 | 0.21 | 83 | <1 | <0.01 | 7 | 260 | 18 | <5 | <20 | 2 | 0.05 | <10 | 38 | <10 | 8 | 30 |
| 203 | 48+00N 8+75E #5413 | <0.2 | 1.74 | <5 | 25 | <5 | 0.03 | <1 | 4 | 14 | 4 | 1.60 | 10 | 0.13 | 55 | <1 | <0.01 | 4 | 240 | 14 | <5 | <20 | 2 | 0.04 | <10 | 28 | <10 | 5 | 19 |
| 204 | 48+00N 9+00E #5414 | <0.2 | 2.55 | <5 | 40 | <5 | 0.04 | <1 | 6 | 21 | 6 | 2.36 | 10 | 0.22 | 89 | <1 | <0.01 | 7 | 270 | 16 | <5 | <20 | 2 | 0.04 | <10 | 33 | <10 | 6 | 31 |
| 205 | 48+00N 9+25E #5415 | 0.2 | 1.15 | <5 | 35 | <5 | 0.09 | <1 | 3 | 10 | 5 | 1.17 | <10 | 0.10 | 399 | <1 | <0.01 | 4 | 470 | 14 | <5 | <20 | 4 | 0.03 | <10 | 21 | <10 | 4 | 22 |
| 206 | 48+00N 9+50E #5447 | <0.2 | 0.11 | <5 | 5 | <5 | 0.02 | <1 | 1 | 2 | <1 | 0.30 | <10 | 0.01 | 21 | <1 | 0.01 | <1 | 100 | 2 | <5 | <20 | <1 | <0.01 | <10 | 11 | <10 | <1 | 5 |
| 207 | 48+00N 9+75E #5448 | <0.2 | 0.14 | <5 | 30 | <5 | 0.08 | <1 | <1 | 3 | 4 | 0.19 | <10 | 0.02 | 149 | <1 | 0.01 | <1 | 150 | 10 | <5 | <20 | 6 | <0.01 | <10 | 7 | <10 | 2 | 8 |
| 208 | 48+00N 10+00E #5450 | <0.2 | 1.87 | <5 | 35 | 5 | 0.11 | <1 | 6 | 24 | 7 | 3.43 | 10 | 0.17 | 30 | <1 | <0.01 | 7 | 520 | 20 | <5 | <20 | 6 | 0.07 | <10 | 49 | <10 | 5 | 27 |
| 209 | 48+00N 10+25E #5473 | <0.2 | 2.70 | <5 | 55 | <5 | 0.07 | <1 | 7 | 25 | 9 | 2.27 | 10 | 0.33 | 260 | <1 | <0.01 | 12 | 630 | 20 | <5 | <20 | 4 | 0.05 | <10 | 28 | <10 | 6 | 54 |
| 210 | 48+00N 10+50E #5472 | <0.2 | 2.79 | <5 | 55 | <5 | 0.07 | <1 | 7 | 25 | 9 | 2.26 | 10 | 0.33 | 228 | <1 | <0.01 | 11 | 610 | 20 | <5 | <20 | 4 | 0.04 | <10 | 27 | <10 | 6 | 52 |
| 211 | 48+00N 10+75E #5471 | <0.2 | 0.12 | <5 | 10 | <5 | 0.04 | <1 | 1 | 2 | 2 | 0.17 | <10 | 0.02 | 19 | <1 | 0.02 | <1 | 120 | 4 | <5 | <20 | 2 | 0.01 | <10 | 6 | <10 | 2 | 5 |
| 212 | 48+00N 11+00E #5470 | <0.2 | 0.68 | <5 | 15 | <5 | 0.02 | <1 | 2 | 8 | 3 | 0.79 | <10 | 0.04 | 37 | <1 | 0.01 | 1 | 270 | 8 | <5 | <20 | 2 | 0.03 | <10 | 19 | <10 | 3 | 9 |
| 213 | 48+00N 11+25E #5469 | <0.2 | 0.81 | <5 | 15 | <5 | 0.02 | <1 | 2 | 7 | 3 | 0.84 | <10 | 0.03 | 60 | <1 | 0.01 | 1 | 260 | 8 | <5 | <20 | 2 | 0.03 | <10 | 19 | <10 | 3 | 8 |
| 214 | 48+00N 11+50E #5468 | <0.2 | 0.69 | <5 | 10 | <5 | 0.02 | <1 | 2 | 7 | 3 | 0.70 | <10 | 0.03 | 34 | <1 | 0.01 | <1 | 300 | 8 | <5 | <20 | 1 | 0.02 | <10 | 18 | <10 | 3 | 9 |
| 215 | 48+00N 11+75E #5467 | <0.2 | 0.19 | <5 | 10 | <5 | 0.02 | <1 | 1 | 2 | 1 | 0.15 | <10 | 0.01 | 25 | <1 | 0.02 | <1 | 130 | 6 | <5 | <20 | 1 | 0.02 | <10 | 8 | <10 | 2 | 4 |
| 216 | 48+00N 12+00E #5466 | <0.2 | 0.18 | <5 | 10 | <5 | 0.02 | <1 | <1 | 2 | 1 | 0.14 | <10 | 0.01 | 17 | <1 | 0.02 | <1 | 100 | 6 | <5 | <20 | <1 | 0.02 | <10 | 8 | <10 | 2 | 3 |
| 217 | 48+00N 12+25E #5465 | <0.2 | 0.13 | <5 | <5 | <5 | 0.02 | <1 | 1 | 1 | <1 | 0.16 | <10 | 0.01 | 17 | <1 | 0.02 | <1 | 90 | 6 | <5 | <20 | <1 | 0.03 | <10 | 8 | <10 | 3 | 3 |
| 218 | 48+00N 12+50E #5464 | <0.2 | 1.51 | <5 | 20 | <5 | 0.07 | <1 | 4 | 10 | 4 | 1.17 | <10 | 0.06 | 64 | <1 | 0.02 | 2 | 280 | 14 | <5 | <20 | 4 | 0.05 | <10 | 26 | <10 | 6 | 14 |
| 219 | 48+00N 12+75E #5463 | <0.2 | 1.90 | <5 | 15 | <5 | 0.11 | <1 | 4 | 13 | 5 | 1.57 | <10 | 0.07 | 87 | <1 | 0.01 | 3 | 590 | 14 | <5 | <20 | 4 | 0.05 | <10 | 28 | <10 | 5 | 15 |
| 220 | 48+00N 13+00E #5462 | 0.2 | 1.60 | <5 | 15 | 5 | 0.04 | <1 | 4 | 11 | 4 | 1.12 | <10 | 0.08 | 51 | <1 | 0.02 | 3 | 240 | 14 | <5 | <20 | 2 | 0.06 | <10 | 25 | <10 | 7 | 14 |
| 221 | 48+50N 6+25E #5489 | 0.2 | 1.69 | <5 | 35 | <5 | 0.06 | <1 | 5 | 17 | 7 | 2.19 | 20 | 0.18 | 68 | <1 | 0.01 | 5 | 310 | 14 | <5 | <20 | 5 | 0.04 | <10 | 36 | <10 | 5 | 41 |
| 222 | 48+50N 6+50E #5488 | <0.2 | 1.96 | <5 | 40 | <5 | 0.11 | <1 | 10 | 25 | 14 | 2.34 | 30 | 0.58 | 253 | <1 | <0.01 | 13 | 520 | 14 | <5 | <20 | 7 | 0.03 | <10 | 40 | <10 | 7 | 56 |
| 223 | 48+50N 6+75E #5487 | <0.2 | 2.10 | <5 | 40 | <5 | 0.09 | <1 | 8 | 25 | 13 | 2.53 | 20 | 0.49 | 211 | <1 | <0.01 | 12 | 570 | 16 | <5 | <20 | 7 | 0.03 | <10 | 42 | <10 | 6 | 56 |
| 224 | 48+50N 7+00E #5486 | <0.2 | 2.07 | <5 | 40 | <5 | 0.10 | <1 | 8 | 25 | 12 | 2.55 | 20 | 0.47 | 200 | <1 | <0.01 | 11 | 560 | 16 | <5 | <20 | 7 | 0.03 | <10 | 42 | <10 | 6 | 55 |
| 225 | 48+50N 7+25E #5485 | <0.2 | 2.01 | <5 | 40 | <5 | 0.09 | <1 | 7 | 25 | 13 | 2.48 | 23 | 0.45 | 188 | <1 | <0.01 | 11 | 578 | 16 | <5 | <20 | 9 | 0.05 | <10 | 41 | <10 | 4 | 52 |
| 226 | 48+50N 7+50E #5484 | <0.2 | 2.93 | <5 | 55 | 5 | 0.09 | <1 | 9 | 37 | 16 | 3.75 | 20 | 0.39 | 116 | <1 | 0.01 | 14 | 430 | 28 | <5 | <20 | 7 | 0.08 | <10 | 47 | <10 | 9 | 52 |
| 227 | 48+50N 7+75E #5483 | <0.2 | 2.32 | <5 | 55 | 5 | 0.12 | <1 | 9 | 35 | 13 | 4.02 | 20 | 0.33 | 123 | <1 | 0.02 | 11 | 480 | 32 | <5 | <20 | 8 | 0.08 | <10 | 50 | <10 | 8 | 48 |
| 228 | 48+50N 8+00E #5482 | 0.8 | 2.82 | <5 | 115 | <5 | 0.49 | 1 | 14 | 31 | 36 | 2.28 | 70 | 0.32 | 2616 | <1 | 0.02 | 20 | 1160 | 52 | <5 | <20 | 35 | 0.05 | 30 | 35 | <10 | 83 | 59 |
| 229 | 48+50N 8+25E #5481 | <0.2 | 0.22 | <5 | 15 | <5 | 0.04 | <1 | 1 | 2 | 1 | 0.22 | <10 | 0.02 | 26 | <1 | 0.01 | <1 | 100 | 4 | <5 | <20 | 4 | 0.01 | <10 | 9 | <10 | 3 | 6 |
| 230 | 48+50N 8+50E #5480 | <0.2 | 0.18 | <5 | 15 | <5 | 0.05 | <1 | 1 | 2 | 1 | 0.21 | <10 | 0.01 | 24 | <1 | 0.02 | <1 | 100 | 4 | <5 | <20 | 4 | 0.01 | <10 | 9 | <10 | 2 | 6 |
| 231 | 48+50N 8+75E #5479 | <0.2 | 2.02 | <5 | 50 | <5 | 0.06 | <1 | 6 | 20 | 9 | 2.32 | 10 | 0.23 | 179 | <1 | 0.01 | 7 | 430 | 20 | <5 | <20 | 4 | 0.05 | <10 | 33 | <10 | 7 | 43 |
| 232 | 48+50N 9+00E #5478 | <0.2 | 2.46 | <5 | 45 | 5 | 0.07 | <1 | 6 | 22 | 9 | 2.45 | 20 | 0.25 | 180 | <1 | <0.01 | 8 | 470 | 20 | <5 | <20 | 3 | 0.05 | <10 | 35 | <10 | 8 | 43 |
| 233 | 48+50N 9+25E #5477 | <0.2 | 0.25 | <5 | 10 | <5 | 0.04 | <1 | 2 | 3 | 1 | 0.36 | <10 | 0.02 | 42 | <1 | 0.01 | <1 | 150 | 4 | <5 | <20 | 2 | 0.02 | <10 | 13 | <10 | 3 | 7 |
| 234 | 48+50N 9+50E #5476 | 0.2 | 1.86 | <5 | 40 | <5 | 0.10 | <1 | 3 | 14 | 6 | 1.91 | 10 | 0.09 | 176 | <1 | <0.01 | 3 | 620 | 14 | <5 | <20 | 5 | 0.05 | <10 | 32 | <10 | 5 | 24 |
| 235 | 48+50N 9+75E #5475 | 0.2 | 0.75 | <5 | 25 | <5 | 0.06 | <1 | 3 | 9 | 4 | 1.34 | 10 | 0.06 | 134 | <1 | <0.01 | 2 | 420 | 10 | <5 | <20 | 3 | 0.04 | <10 | 28 | <10 | 5 | 16 |

RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

ECO TECH LABORATORY LTD.

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|---------------------|-----------|------|----|----|----|------|----|----|----|----|------|-----|------|-----|----|-------|----|------|----|----|-----|----|------|-----|----|-----|----|----|
| 236 | 48+50N 10+00E #5474 | <0.2 | 2.78 | Δ | 50 | Δ | 0.08 | <1 | 8 | 26 | 10 | 2.23 | 20 | 0.35 | 199 | <1 | 0.01 | 12 | 580 | 18 | Δ | <20 | 5 | 0.04 | <10 | 28 | <10 | 8 | 52 |
| 237 | 49+00N 6+00E #5490 | <0.2 | 0.84 | Δ | 85 | Δ | 0.14 | <1 | 5 | 17 | 7 | 1.83 | 10 | 0.18 | 112 | <1 | 0.01 | 7 | 220 | 12 | Δ | <20 | 12 | 0.03 | <10 | 36 | <10 | 4 | 33 |
| 238 | 49+00N 6+25E #5491 | 0.2 | 1.03 | Δ | 75 | Δ | 0.17 | <1 | 6 | 19 | 9 | 2.30 | 10 | 0.18 | 250 | <1 | 0.01 | 8 | 270 | 14 | Δ | <20 | 17 | 0.03 | <10 | 34 | <10 | 4 | 40 |
| 239 | 49+00N 6+50E #5492 | <0.2 | 2.28 | Δ | 40 | Δ | 0.06 | <1 | 5 | 22 | 9 | 2.68 | 20 | 0.23 | 84 | <1 | 0.01 | 8 | 380 | 18 | Δ | <20 | 5 | 0.04 | <10 | 39 | <10 | 6 | 53 |
| 240 | 49+00N 6+75E #5493 | 0.5 | 2.21 | Δ | 30 | Δ | 0.14 | <1 | 5 | 18 | 15 | 1.81 | 20 | 0.25 | 127 | <1 | 0.02 | 8 | 860 | 54 | Δ | <20 | 8 | 0.02 | <10 | 26 | <10 | 13 | 65 |
| 241 | 49+00N 7+00E #5494 | 0.9 | 2.32 | Δ | 30 | Δ | 0.16 | <1 | 5 | 18 | 14 | 1.84 | 20 | 0.25 | 111 | <1 | 0.02 | 8 | 880 | 54 | Δ | <20 | 9 | 0.02 | <10 | 26 | <10 | 13 | 66 |
| 242 | 49+00N 7+25E #5495 | <0.2 | 3.31 | Δ | 60 | 5 | 0.06 | <1 | 6 | 25 | 9 | 3.14 | 20 | 0.24 | 103 | <1 | 0.01 | 8 | 410 | 18 | Δ | <20 | 6 | 0.05 | <10 | 44 | <10 | 5 | 47 |
| 243 | 49+00N 7+50E | <0.2 | 1.65 | Δ | 45 | Δ | 0.05 | <1 | 4 | 15 | 5 | 1.94 | 20 | 0.15 | 57 | <1 | <0.01 | 4 | 230 | 16 | Δ | <20 | 5 | 0.04 | <10 | 38 | <10 | 5 | 28 |
| 244 | 49+00N 7+75E #5497 | <0.2 | 1.32 | Δ | 45 | Δ | 0.13 | <1 | 6 | 20 | 10 | 2.41 | 20 | 0.34 | 105 | <1 | <0.01 | 8 | 1010 | 12 | Δ | <20 | 9 | 0.03 | <10 | 49 | <10 | 4 | 33 |
| 245 | 49+00N 8+00E #5498 | <0.2 | 2.55 | Δ | 40 | Δ | 0.08 | <1 | 9 | 32 | 13 | 3.48 | 30 | 0.52 | 136 | <1 | 0.01 | 12 | 370 | 16 | Δ | <20 | 6 | 0.04 | <10 | 53 | <10 | 5 | 47 |
| 246 | 49+00N 8+25E #5499 | <0.2 | 2.53 | Δ | 40 | Δ | 0.10 | <1 | 8 | 33 | 14 | 3.60 | 20 | 0.52 | 138 | <1 | 0.01 | 11 | 380 | 16 | Δ | <20 | 6 | 0.04 | <10 | 51 | <10 | 5 | 46 |
| 247 | 49+00N 8+50E #5500 | 0.8 | 3.32 | Δ | 95 | 5 | 0.25 | <1 | 12 | 38 | 24 | 2.94 | 40 | 0.62 | 271 | <1 | 0.01 | 25 | 780 | 32 | Δ | <20 | 16 | 0.05 | <10 | 37 | <10 | 30 | 81 |
| 248 | 49+00N 8+75E #5404 | No Sample | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 249 | 49+00N 9+00E #5405 | <0.2 | 2.18 | Δ | 40 | Δ | 0.07 | <1 | 7 | 27 | 8 | 2.29 | 20 | 0.37 | 127 | <1 | <0.01 | 12 | 580 | 14 | Δ | <20 | 5 | 0.04 | <10 | 30 | <10 | 6 | 51 |
| 250 | 49+00N 9+25E #5406 | 0.8 | 1.50 | Δ | 45 | Δ | 0.10 | <1 | 7 | 16 | 7 | 2.87 | 30 | 0.11 | 313 | <1 | 0.01 | 6 | 360 | 16 | Δ | <20 | 7 | 0.07 | <10 | 36 | <10 | 23 | 32 |
| 251 | 49+00N 9+50E #5407 | 0.3 | 1.02 | Δ | 50 | Δ | 0.09 | <1 | 3 | 10 | 8 | 1.19 | <10 | 0.07 | 36 | <1 | 0.01 | 3 | 440 | 10 | Δ | <20 | 8 | 0.04 | <10 | 19 | <10 | 5 | 13 |
| 252 | 49+00N 9+75E #5408 | <0.2 | 0.23 | Δ | 10 | Δ | 0.02 | <1 | 2 | 3 | 2 | 0.34 | <10 | 0.02 | 28 | <1 | 0.01 | <1 | 80 | 6 | Δ | <20 | <1 | 0.02 | <10 | 13 | <10 | 4 | 7 |
| 253 | 49+00N 10+00E #5409 | <0.2 | 0.54 | Δ | 20 | Δ | 0.04 | <1 | 4 | 7 | 3 | 1.20 | <10 | 0.04 | 36 | <1 | 0.01 | 1 | 260 | 12 | Δ | <20 | 2 | 0.09 | <10 | 36 | <10 | 9 | 10 |
| 254 | 49+50N 6+25E #5444 | <0.2 | 1.56 | Δ | 30 | Δ | 0.09 | <1 | 5 | 19 | 9 | 2.48 | 20 | 0.32 | 76 | <1 | <0.01 | 7 | 420 | 12 | Δ | <20 | 8 | 0.02 | <10 | 40 | <10 | 3 | 26 |
| 255 | 49+50N 6+50E #5443 | <0.2 | 1.75 | Δ | 30 | Δ | 0.08 | <1 | 6 | 19 | 9 | 2.38 | 20 | 0.33 | 86 | <1 | <0.01 | 7 | 410 | 14 | Δ | <20 | 7 | 0.02 | <10 | 41 | <10 | 4 | 28 |
| 256 | 49+50N 6+75E #5442 | <0.2 | 1.43 | Δ | 40 | Δ | 0.12 | <1 | 6 | 19 | 9 | 2.52 | 20 | 0.32 | 76 | <1 | <0.01 | 7 | 400 | 12 | Δ | <20 | 10 | 0.02 | <10 | 46 | <10 | 3 | 28 |
| 257 | 49+50N 7+00E #5441 | 0.3 | 2.10 | Δ | 60 | Δ | 0.53 | <1 | 6 | 19 | 9 | 1.82 | 30 | 0.30 | 193 | <1 | 0.01 | 9 | 530 | 16 | Δ | <20 | 33 | 0.02 | <10 | 32 | <10 | 17 | 44 |
| 258 | 49+50N 7+25E #5440 | <0.2 | 1.36 | Δ | 35 | Δ | 0.22 | <1 | 3 | 12 | 5 | 1.40 | 20 | 0.13 | 44 | <1 | 0.01 | 3 | 320 | 10 | Δ | <20 | 12 | 0.01 | <10 | 28 | <10 | 3 | 23 |
| 259 | 49+50N 7+50E #5439 | <0.2 | 1.26 | Δ | 40 | Δ | 0.20 | <1 | 3 | 12 | 5 | 1.36 | 20 | 0.14 | 47 | <1 | 0.01 | 3 | 360 | 10 | Δ | <20 | 11 | 0.01 | <10 | 29 | <10 | 3 | 22 |
| 260 | 49+50N 7+75E #5438 | <0.2 | 1.88 | Δ | 50 | Δ | 0.11 | <1 | 6 | 18 | 7 | 1.73 | 20 | 0.26 | 188 | <1 | 0.01 | 8 | 500 | 16 | Δ | <20 | 8 | 0.03 | <10 | 30 | <10 | 7 | 51 |
| 261 | 49+50N 8+00E #5437 | <0.2 | 2.52 | Δ | 60 | Δ | 0.07 | <1 | 7 | 24 | 8 | 2.33 | 20 | 0.25 | 114 | <1 | 0.01 | 9 | 530 | 16 | Δ | <20 | 5 | 0.05 | <10 | 33 | <10 | 9 | 57 |
| 262 | 49+50N 8+25E #5436 | <0.2 | 2.53 | Δ | 55 | Δ | 0.07 | <1 | 7 | 25 | 8 | 2.41 | 20 | 0.27 | 119 | <1 | 0.01 | 9 | 550 | 16 | Δ | <20 | 3 | 0.05 | <10 | 32 | <10 | 9 | 64 |
| 263 | 49+50N 8+50E #5435 | 0.2 | 0.13 | Δ | 5 | Δ | 0.03 | <1 | <1 | 2 | <1 | 0.20 | <10 | 0.01 | 51 | <1 | 0.02 | <1 | 80 | <2 | Δ | <20 | <1 | 0.01 | <10 | 6 | <10 | 1 | 7 |
| 264 | 49+50N 8+75E #5434 | <0.2 | 0.30 | Δ | 45 | Δ | 0.08 | <1 | 2 | 4 | 4 | 0.43 | <10 | 0.04 | 236 | <1 | 0.01 | <1 | 250 | 12 | Δ | <20 | 5 | 0.02 | <10 | 11 | <10 | 3 | 31 |
| 265 | 49+50N 9+00E #5433 | 0.5 | 2.41 | Δ | 30 | Δ | 0.07 | <1 | 4 | 14 | 5 | 1.49 | <10 | 0.08 | 50 | <1 | 0.02 | 4 | 370 | 18 | Δ | <20 | 4 | 0.05 | <10 | 23 | <10 | 8 | 31 |
| 266 | 49+50N 9+25E #5432 | <0.2 | 1.42 | Δ | 30 | Δ | 0.06 | <1 | 3 | 11 | 4 | 1.19 | <10 | 0.07 | 45 | <1 | 0.01 | 3 | 300 | 14 | Δ | <20 | 5 | 0.05 | <10 | 25 | <10 | 6 | 25 |
| 267 | 49+50N 9+50E #5431 | <0.2 | 2.05 | Δ | 35 | Δ | 0.06 | <1 | 4 | 14 | 5 | 1.89 | <10 | 0.08 | 50 | <1 | 0.01 | 5 | 430 | 14 | Δ | <20 | 5 | 0.05 | <10 | 29 | <10 | 5 | 34 |
| 268 | 49+50N 9+75E #5430 | 0.2 | 0.58 | Δ | 10 | Δ | 0.05 | <1 | 4 | 7 | 3 | 1.15 | <10 | 0.04 | 62 | <1 | 0.02 | 2 | 400 | 14 | Δ | <20 | 2 | 0.06 | <10 | 30 | <10 | 6 | 15 |
| 269 | 49+50N 10+00E #5429 | <0.2 | 0.49 | Δ | 15 | Δ | 0.05 | <1 | 4 | 6 | 4 | 0.97 | <10 | 0.03 | 80 | <1 | 0.02 | 2 | 410 | 14 | Δ | <20 | 2 | 0.07 | <10 | 30 | <10 | 7 | 15 |
| 270 | 50+00N 6+50E #5445 | 0.5 | 1.72 | Δ | 85 | 5 | 0.89 | <1 | 10 | 23 | 14 | 1.94 | 40 | 0.34 | 570 | <1 | 0.01 | 13 | 1030 | 14 | Δ | <20 | 50 | 0.03 | 10 | 29 | <10 | 35 | 58 |

RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

ECO TECH LABORATORY LTD.

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|---------------------|-----------|------|----|----|----|------|----|----|----|----|------|-----|------|------|----|-------|----|------|----|----|-----|----|------|-----|----|-----|----|-----|
| 271 | 50+00N 6+75E #5446 | 0.4 | 1.50 | △ | 65 | <5 | 0.74 | <1 | 9 | 21 | 11 | 1.75 | 30 | 0.32 | 482 | <1 | 0.01 | 10 | 870 | 14 | △ | <20 | 41 | 0.03 | <10 | 28 | <10 | 27 | 60 |
| 272 | 50+00N 7+00E #5361 | <0.2 | 2.85 | △ | 55 | 5 | 0.15 | <1 | 9 | 29 | 11 | 2.76 | 30 | 0.59 | 189 | <1 | 0.01 | 13 | 660 | 16 | △ | <20 | 8 | 0.03 | <10 | 39 | <10 | 7 | 55 |
| 273 | 50+00N 7+25E #5362 | <0.2 | 2.79 | △ | 55 | <5 | 0.13 | <1 | 9 | 28 | 11 | 2.74 | 20 | 0.56 | 184 | <1 | <0.01 | 13 | 640 | 16 | △ | <20 | 7 | 0.03 | <10 | 39 | <10 | 6 | 54 |
| 274 | 50+00N 7+50E #5363 | <0.2 | 2.77 | △ | 55 | <5 | 0.14 | <1 | 9 | 29 | 12 | 2.74 | 30 | 0.60 | 195 | <1 | 0.01 | 13 | 640 | 16 | △ | <20 | 6 | 0.03 | <10 | 40 | <10 | 7 | 57 |
| 275 | 50+00N 7+75E #5364 | <0.2 | 0.36 | △ | 20 | <5 | 0.07 | <1 | 1 | 4 | 1 | 0.25 | 10 | 0.04 | 38 | <1 | <0.01 | <1 | 110 | 8 | △ | <20 | 5 | 0.01 | <10 | 11 | <10 | 4 | 11 |
| 276 | 50+00N 8+00E #5366 | <0.2 | 1.88 | △ | 75 | <5 | 0.35 | <1 | 12 | 24 | 13 | 2.80 | 30 | 0.65 | 322 | <1 | 0.01 | 13 | 820 | 14 | △ | <20 | 17 | 0.04 | <10 | 47 | <10 | 15 | 51 |
| 277 | 50+00N 8+25E #5365 | <0.2 | 1.90 | △ | 70 | <5 | 0.34 | <1 | 12 | 25 | 14 | 2.58 | 40 | 0.68 | 326 | <1 | 0.01 | 14 | 800 | 14 | △ | <20 | 15 | 0.04 | <10 | 46 | <10 | 16 | 51 |
| 278 | 50+00N 8+50E #5367 | <0.2 | 0.27 | △ | 25 | <5 | 0.11 | <1 | 2 | 4 | 2 | 0.44 | <10 | 0.04 | 136 | <1 | 0.01 | 2 | 160 | 10 | △ | <20 | 4 | 0.03 | <10 | 20 | <10 | 5 | 26 |
| 279 | 50+00N 8+75E #5368 | <0.2 | 0.25 | △ | 10 | <5 | 0.02 | <1 | 2 | 3 | 2 | 0.31 | <10 | 0.02 | 28 | <1 | 0.02 | <1 | 130 | 8 | △ | <20 | 2 | 0.03 | <10 | 12 | <10 | 3 | 10 |
| 280 | 50+00N 9+00E #5369 | <0.2 | 0.44 | △ | 10 | <5 | 0.05 | <1 | 2 | 4 | 2 | 0.42 | 10 | 0.02 | 25 | <1 | <0.01 | 1 | 100 | 8 | △ | <20 | <1 | 0.02 | <10 | 18 | <10 | 5 | 17 |
| 281 | 50+00N 9+25E #5370 | 0.2 | 3.33 | △ | 70 | 5 | 0.43 | <1 | 11 | 26 | 12 | 2.54 | 20 | 0.33 | 937 | <1 | 0.02 | 17 | 700 | 30 | △ | <20 | 24 | 0.07 | <10 | 35 | <10 | 21 | 133 |
| 282 | 50+00N 9+50E #5371 | 0.2 | 3.25 | △ | 75 | 5 | 0.45 | <1 | 11 | 26 | 13 | 2.54 | 20 | 0.34 | 1206 | <1 | 0.02 | 18 | 700 | 30 | △ | <20 | 24 | 0.07 | <10 | 35 | <10 | 20 | 135 |
| 283 | 50+00N 9+75E #5372 | 0.2 | 3.29 | △ | 80 | 10 | 0.48 | <1 | 12 | 27 | 13 | 2.65 | 20 | 0.35 | 1479 | <1 | 0.02 | 19 | 720 | 30 | △ | <20 | 26 | 0.07 | <10 | 37 | <10 | 20 | 140 |
| 284 | 50+00N 10+00E #5373 | 0.2 | 3.12 | △ | 85 | 10 | 0.48 | <1 | 12 | 27 | 13 | 2.51 | 20 | 0.36 | 1796 | <1 | 0.02 | 19 | 660 | 30 | △ | <20 | 26 | 0.07 | <10 | 35 | <10 | 19 | 140 |
| 285 | 50+50N 6+25E #5389 | <0.2 | 1.21 | △ | 20 | <5 | 0.02 | <1 | 1 | 7 | 3 | 0.93 | 10 | 0.03 | 24 | <1 | <0.01 | <1 | 190 | 10 | △ | <20 | 3 | 0.01 | <10 | 21 | <10 | 3 | 11 |
| 286 | 50+50N 6+50E #5388 | <0.2 | 2.17 | △ | 35 | <5 | 0.07 | <1 | 5 | 20 | 10 | 2.87 | 20 | 0.21 | 139 | <1 | <0.01 | 6 | 900 | 16 | △ | <20 | 5 | 0.02 | <10 | 40 | <10 | 3 | 31 |
| 287 | 50+50N 6+75E #5387 | <0.2 | 1.37 | △ | 30 | <5 | 0.07 | <1 | 5 | 16 | 9 | 2.54 | 20 | 0.25 | 170 | <1 | <0.01 | 5 | 860 | 12 | △ | <20 | 4 | 0.02 | <10 | 39 | <10 | 3 | 25 |
| 288 | 50+50N 7+00E #5386 | <0.2 | 1.47 | △ | 30 | <5 | 0.07 | <1 | 5 | 17 | 9 | 2.51 | 20 | 0.24 | 181 | <1 | <0.01 | 5 | 770 | 12 | △ | <20 | 5 | 0.02 | <10 | 36 | <10 | 3 | 26 |
| 289 | 50+50N 7+25E #5385 | <0.2 | 1.58 | △ | 40 | <5 | 0.24 | <1 | 9 | 20 | 16 | 2.43 | 30 | 0.48 | 293 | <1 | <0.01 | 10 | 1120 | 14 | △ | <20 | 6 | 0.02 | <10 | 34 | <10 | 7 | 47 |
| 290 | 50+50N 7+50E #5384 | <0.2 | 1.31 | △ | 30 | <5 | 0.18 | <1 | 8 | 17 | 14 | 2.09 | 30 | 0.42 | 298 | <1 | <0.01 | 9 | 820 | 10 | △ | <20 | 5 | 0.02 | <10 | 29 | <10 | 6 | 45 |
| 291 | 50+50N 7+75E #5383 | <0.2 | 1.17 | △ | 25 | <5 | 0.16 | <1 | 9 | 17 | 14 | 2.11 | 30 | 0.42 | 310 | <1 | <0.01 | 10 | 770 | 10 | △ | <20 | 5 | 0.02 | <10 | 30 | <10 | 6 | 43 |
| 292 | 50+50N 8+00E #5382 | <0.2 | 1.63 | △ | 40 | <5 | 0.14 | <1 | 8 | 16 | 11 | 1.97 | 30 | 0.40 | 334 | <1 | <0.01 | 9 | 690 | 14 | △ | <20 | 7 | 0.02 | <10 | 33 | <10 | 6 | 43 |
| 293 | 50+50N 8+25E #5381 | <0.2 | 1.68 | △ | 60 | <5 | 0.13 | <1 | 5 | 13 | 9 | 1.48 | 20 | 0.20 | 844 | <1 | 0.01 | 5 | 670 | 14 | △ | <20 | 8 | 0.03 | <10 | 27 | <10 | 5 | 45 |
| 294 | 50+50N 8+50E #5380 | 0.2 | 2.15 | △ | 45 | 5 | 0.53 | <1 | 4 | 13 | 8 | 1.81 | <10 | 0.11 | 654 | <1 | 0.01 | 5 | 2000 | 24 | △ | <20 | 17 | 0.05 | <10 | 33 | <10 | 5 | 41 |
| 295 | 50+50N 8+75E #5379 | 0.2 | 2.16 | △ | 20 | <5 | 0.05 | <1 | 2 | 8 | 4 | 0.93 | <10 | 0.02 | 37 | <1 | 0.01 | 2 | 300 | 14 | △ | <20 | 3 | 0.03 | <10 | 14 | <10 | 4 | 7 |
| 296 | 50+50N 9+00E #5378 | <0.2 | 1.45 | △ | 25 | 5 | 0.07 | <1 | 5 | 19 | 6 | 2.62 | 10 | 0.17 | 42 | <1 | <0.01 | 6 | 270 | 14 | △ | <20 | 5 | 0.06 | <10 | 48 | <10 | 6 | 26 |
| 297 | 50+50N 9+25E #5377 | <0.2 | 2.29 | △ | 30 | <5 | 0.07 | <1 | 5 | 24 | 8 | 2.94 | 20 | 0.21 | 54 | <1 | 0.01 | 7 | 310 | 18 | △ | <20 | 4 | 0.05 | <10 | 36 | <10 | 5 | 32 |
| 298 | 50+50N 9+50E #5376 | <0.2 | 1.87 | △ | 30 | 5 | 0.07 | <1 | 6 | 23 | 7 | 3.11 | 20 | 0.19 | 42 | <1 | 0.01 | 6 | 270 | 16 | △ | <20 | 4 | 0.06 | <10 | 38 | <10 | 7 | 31 |
| 299 | 50+50N 9+75E #5375 | No Sample | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 300 | 50+50N 10+00E #5374 | <0.2 | 0.22 | △ | 40 | <5 | 0.50 | <1 | 2 | 4 | 4 | 0.44 | <10 | 0.02 | 20 | <1 | 0.02 | 2 | 130 | <2 | △ | <20 | 25 | 0.02 | <10 | 14 | <10 | 3 | 11 |
| 301 | 51+00N 6+25E #5390 | <0.2 | 1.15 | △ | 35 | <5 | 0.09 | <1 | 3 | 11 | 4 | 1.55 | 20 | 0.09 | 40 | <1 | <0.01 | 2 | 350 | 8 | △ | <20 | 7 | 0.02 | <10 | 36 | <10 | 3 | 15 |
| 302 | 51+00N 6+50E #5391 | <0.2 | 1.01 | △ | 35 | <5 | 0.08 | <1 | 3 | 10 | 4 | 1.50 | 20 | 0.08 | 43 | <1 | <0.01 | 2 | 320 | 8 | △ | <20 | 7 | 0.02 | <10 | 34 | <10 | 2 | 15 |
| 303 | 51+00N 6+75E #5392 | <0.2 | 0.95 | △ | 30 | <5 | 0.06 | <1 | 2 | 9 | 4 | 1.26 | 20 | 0.07 | 33 | <1 | <0.01 | 1 | 290 | 8 | △ | <20 | 6 | 0.02 | <10 | 32 | <10 | 3 | 13 |
| 304 | 51+00N 7+00E #5393 | <0.2 | 1.50 | △ | 40 | <5 | 0.24 | <1 | 5 | 17 | 8 | 2.36 | 20 | 0.23 | 279 | <1 | <0.01 | 5 | 660 | 14 | △ | <20 | 9 | 0.03 | <10 | 34 | <10 | 3 | 37 |
| 305 | 51+00N 7+25E #5394 | <0.2 | 1.39 | △ | 45 | <5 | 0.22 | <1 | 5 | 16 | 7 | 2.11 | 20 | 0.22 | 276 | <1 | <0.01 | 5 | 610 | 12 | △ | <20 | 9 | 0.03 | <10 | 33 | <10 | 3 | 34 |

RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

ECO TECH LABORATORY LTD.

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|--------------------|------|------|----|-----|----|------|----|----|----|----|------|-----|------|------|----|-------|----|------|----|----|-----|----|------|-----|----|-----|----|----|
| 306 | 51+00N 7+75E #5396 | 0.3 | 1.73 | △ | 35 | △ | 0.07 | <1 | 6 | 21 | 9 | 3.58 | 30 | 0.21 | 160 | <1 | <0.01 | 6 | 690 | 14 | △ | <20 | 5 | 0.03 | <10 | 52 | <10 | 3 | 27 |
| 307 | 51+00N 8+00E #5397 | <0.2 | 1.94 | △ | 45 | △ | 0.21 | <1 | 9 | 24 | 13 | 2.44 | 30 | 0.53 | 207 | <1 | <0.01 | 15 | 610 | 12 | △ | <20 | 11 | 0.03 | <10 | 35 | <10 | 17 | 47 |
| 308 | 51+00N 8+25E #5398 | 0.3 | 2.06 | △ | 65 | 5 | 0.65 | <1 | 9 | 18 | 11 | 2.64 | 20 | 0.19 | 344 | <1 | 0.02 | 8 | 1140 | 24 | △ | <20 | 26 | 0.06 | <10 | 40 | <10 | 15 | 41 |
| 309 | 51+00N 8+50E #5399 | 0.3 | 2.71 | △ | 75 | 5 | 0.78 | <1 | 10 | 21 | 17 | 2.62 | 20 | 0.21 | 524 | <1 | 0.02 | 12 | 1170 | 28 | △ | <20 | 31 | 0.05 | <10 | 37 | <10 | 20 | 47 |
| 310 | 51+00N 8+75E #5400 | 0.2 | 2.00 | △ | 55 | 5 | 0.12 | <1 | 5 | 18 | 6 | 2.35 | 10 | 0.10 | 8 | <1 | 0.01 | 4 | 330 | 18 | △ | <20 | 7 | 0.07 | <10 | 57 | <10 | 8 | 19 |
| 311 | 51+00N 9+00E #5410 | <0.2 | 1.46 | △ | 50 | 5 | 0.10 | <1 | 6 | 22 | 6 | 2.76 | 20 | 0.23 | 98 | <1 | <0.01 | 7 | 310 | 16 | △ | <20 | 8 | 0.05 | <10 | 41 | <10 | 5 | 42 |
| 312 | 51+00N 9+25E #5411 | 0.2 | 2.15 | △ | 130 | 5 | 0.23 | <1 | 7 | 26 | 12 | 2.78 | 10 | 0.29 | 142 | <1 | <0.01 | 13 | 370 | 22 | △ | <20 | 12 | 0.05 | <10 | 37 | <10 | 5 | 57 |
| 313 | 51+00N 9+50E | <0.2 | 1.77 | △ | 25 | 5 | 0.09 | <1 | 5 | 12 | 7 | 1.92 | <10 | 0.05 | 32 | <1 | 0.01 | 3 | 230 | 20 | △ | <20 | 5 | 0.08 | <10 | 32 | <10 | 10 | 12 |
| 314 | 51+00N 9+75E | <0.2 | 2.15 | △ | 25 | △ | 0.08 | <1 | 5 | 14 | 8 | 2.26 | 10 | 0.05 | 37 | <1 | 0.01 | 4 | 270 | 22 | △ | <20 | 5 | 0.09 | <10 | 32 | <10 | 10 | 12 |
| 315 | 51+00N 10+00E | <0.2 | 1.23 | △ | 25 | 5 | 0.10 | <1 | 5 | 11 | 7 | 2.09 | <10 | 0.05 | 46 | <1 | 0.01 | 2 | 230 | 18 | △ | <20 | 7 | 0.08 | <10 | 33 | <10 | 9 | 11 |
| 316 | 51+50N 5+50E | <0.2 | 1.98 | △ | 65 | △ | 0.12 | <1 | 10 | 35 | 14 | 3.71 | 30 | 0.60 | 179 | <1 | 0.01 | 14 | 270 | 16 | △ | <20 | 7 | 0.05 | <10 | 55 | <10 | 8 | 52 |
| 317 | 51+50N 5+75E | <0.2 | 2.56 | △ | 50 | △ | 0.09 | <1 | 8 | 25 | 9 | 2.67 | 30 | 0.47 | 143 | <1 | <0.01 | 10 | 340 | 16 | △ | <20 | 7 | 0.03 | <10 | 40 | <10 | 5 | 55 |
| 318 | 51+50N 6+50E | <0.2 | 2.39 | △ | 35 | △ | 0.10 | <1 | 6 | 29 | 10 | 3.00 | 20 | 0.31 | 126 | <1 | <0.01 | 9 | 670 | 16 | △ | <20 | 5 | 0.04 | <10 | 32 | <10 | 6 | 41 |
| 319 | 51+50N 6+75E | <0.2 | 2.19 | △ | 50 | △ | 0.09 | <1 | 7 | 28 | 9 | 2.75 | 20 | 0.38 | 138 | <1 | 0.01 | 9 | 450 | 16 | △ | <20 | 6 | 0.04 | <10 | 49 | <10 | 6 | 40 |
| 320 | 51+50N 7+00E | <0.2 | 2.19 | △ | 35 | 5 | 0.20 | <1 | 4 | 13 | 4 | 1.71 | <10 | 0.08 | 64 | <1 | <0.01 | 4 | 580 | 20 | △ | <20 | 6 | 0.07 | <10 | 36 | <10 | 8 | 12 |
| 321 | 51+50N 7+25E | <0.2 | 3.71 | △ | 40 | 5 | 0.08 | <1 | 5 | 22 | 7 | 2.42 | 10 | 0.11 | 82 | <1 | 0.01 | 7 | 570 | 24 | △ | <20 | 4 | 0.06 | <10 | 34 | <10 | 7 | 23 |
| 322 | 51+50N 7+50E | <0.2 | 5.17 | △ | 20 | 10 | 0.03 | <1 | 4 | 23 | 8 | 2.62 | 10 | 0.07 | 4 | <1 | <0.01 | 6 | 640 | 28 | △ | <20 | 3 | 0.06 | <10 | 36 | <10 | 7 | 13 |
| 323 | 51+50N 7+75E | <0.2 | 1.28 | △ | 20 | 5 | 0.06 | <1 | 6 | 18 | 7 | 2.57 | 10 | 0.11 | 88 | <1 | 0.01 | 4 | 480 | 18 | △ | <20 | 4 | 0.09 | <10 | 56 | <10 | 9 | 28 |
| 324 | 51+50N 8+00E | <0.2 | 1.61 | △ | 30 | 5 | 0.16 | <1 | 6 | 15 | 8 | 2.13 | 10 | 0.15 | 120 | <1 | 0.01 | 7 | 620 | 20 | △ | <20 | 6 | 0.07 | <10 | 35 | <10 | 7 | 28 |
| 325 | 51+50N 8+50E | <0.2 | 1.06 | △ | 25 | △ | 0.07 | <1 | 5 | 13 | 3 | 1.96 | 20 | 0.12 | 110 | <1 | <0.01 | 4 | 220 | 10 | △ | <20 | 4 | 0.05 | <10 | 28 | <10 | 7 | 29 |
| 326 | 51+50N 8+75E | <0.2 | 1.02 | △ | 25 | △ | 0.07 | <1 | 4 | 12 | 3 | 1.89 | 10 | 0.09 | 110 | <1 | <0.01 | 3 | 220 | 10 | △ | <20 | 5 | 0.05 | <10 | 28 | <10 | 7 | 27 |
| 327 | 51+50N 9+00E | <0.2 | 0.90 | △ | 25 | △ | 0.07 | <1 | 4 | 11 | 3 | 1.75 | 10 | 0.08 | 110 | <1 | <0.01 | 3 | 220 | 10 | △ | <20 | 4 | 0.05 | <10 | 31 | <10 | 7 | 26 |
| 328 | 51+50N 9+25E | <0.2 | 1.04 | △ | 25 | △ | 0.07 | <1 | 5 | 13 | 3 | 2.12 | 10 | 0.12 | 118 | <1 | <0.01 | 3 | 230 | 10 | △ | <20 | 5 | 0.05 | <10 | 31 | <10 | 7 | 29 |
| 329 | 51+50N 9+50E | <0.2 | 0.15 | △ | 10 | △ | 0.03 | <1 | 2 | 3 | 1 | 0.43 | <10 | 0.02 | 27 | <1 | 0.02 | <1 | 90 | <2 | △ | <20 | 1 | 0.02 | <10 | 15 | <10 | 2 | 8 |
| 330 | 51+50N 9+75E | 0.2 | 1.95 | △ | 35 | △ | 0.21 | <1 | 6 | 14 | 7 | 1.73 | 20 | 0.12 | 111 | <1 | 0.02 | 7 | 290 | 22 | △ | <20 | 15 | 0.05 | <10 | 30 | <10 | 17 | 37 |
| 331 | 51+50N 10+00E | 0.3 | 1.95 | △ | 30 | △ | 0.21 | <1 | 5 | 13 | 7 | 1.51 | 20 | 0.11 | 142 | <1 | 0.02 | 6 | 320 | 22 | △ | <20 | 15 | 0.04 | <10 | 26 | <10 | 15 | 32 |
| 332 | 52+00N 5+00E | <0.2 | 3.30 | △ | 65 | △ | 0.10 | <1 | 11 | 36 | 13 | 2.87 | 30 | 0.63 | 189 | <1 | 0.01 | 19 | 310 | 24 | △ | <20 | 8 | 0.05 | <10 | 38 | <10 | 8 | 55 |
| 333 | 52+00N 5+25E | <0.2 | 2.31 | △ | 30 | △ | 0.03 | <1 | 3 | 17 | 6 | 1.72 | 20 | 0.13 | 25 | <1 | <0.01 | 5 | 410 | 16 | △ | <20 | 4 | 0.02 | <10 | 29 | <10 | 4 | 16 |
| 334 | 52+00N 5+50E | <0.2 | 1.81 | △ | 30 | 5 | 0.03 | <1 | 3 | 17 | 5 | 1.99 | 10 | 0.10 | 27 | <1 | <0.01 | 3 | 450 | 14 | △ | <20 | 2 | 0.04 | <10 | 29 | <10 | 4 | 16 |
| 335 | 52+00N 5+75E | <0.2 | 2.70 | △ | 50 | 5 | 0.06 | <1 | 6 | 24 | 9 | 2.83 | 20 | 0.22 | 145 | <1 | 0.01 | 8 | 510 | 18 | △ | <20 | 4 | 0.05 | <10 | 36 | <10 | 7 | 48 |
| 336 | 52+00N 6+00E | 0.2 | 1.77 | △ | 30 | △ | 0.30 | <1 | 5 | 13 | 6 | 1.43 | 10 | 0.16 | 284 | <1 | 0.03 | 5 | 600 | 12 | △ | <20 | 19 | 0.03 | <10 | 22 | <10 | 10 | 27 |
| 337 | 52+00N 6+25E | 0.6 | 4.80 | △ | 80 | 10 | 0.37 | <1 | 15 | 32 | 29 | 2.69 | 60 | 0.36 | 1104 | 2 | 0.02 | 19 | 870 | 36 | △ | <20 | 28 | 0.06 | 20 | 41 | <10 | 64 | 58 |
| 338 | 52+00N 6+50E | 0.3 | 2.90 | △ | 40 | △ | 0.33 | <1 | 7 | 22 | 12 | 2.38 | 30 | 0.21 | 104 | <1 | 0.01 | 9 | 470 | 22 | △ | <20 | 20 | 0.06 | <10 | 32 | <10 | 24 | 28 |
| 339 | 52+00N 6+75E | <0.2 | 2.56 | △ | 30 | 5 | 0.06 | <1 | 4 | 17 | 5 | 2.02 | 10 | 0.10 | 37 | <1 | 0.01 | 5 | 430 | 18 | △ | <20 | 4 | 0.06 | <10 | 29 | <10 | 7 | 18 |
| 340 | 52+00N 7+00E | <0.2 | 1.73 | △ | 45 | △ | 0.08 | <1 | 5 | 17 | 6 | 1.60 | 10 | 0.21 | 182 | <1 | 0.01 | 7 | 470 | 16 | △ | <20 | 4 | 0.04 | <10 | 27 | <10 | 7 | 33 |

RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

ECO TECH LABORATORY LTD.

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|--------------------------|------|------|----|-----|----|------|----|----|----|----|------|-----|------|------|----|-------|----|------|----|----|-----|----|------|-----|----|-----|----|----|
| 341 | 52+00N 7+25E | <0.2 | 1.78 | △ | 40 | <5 | 0.09 | <1 | 5 | 19 | 5 | 2.44 | 10 | 0.14 | 75 | <1 | <0.01 | 6 | 340 | 16 | <5 | <20 | 5 | 0.06 | <10 | 39 | <10 | 6 | 26 |
| 342 | 52+00N 7+50E | <0.2 | 2.40 | △ | 40 | <5 | 0.13 | <1 | 6 | 24 | 8 | 2.81 | 20 | 0.26 | 96 | <1 | 0.01 | 8 | 570 | 22 | <5 | <20 | 7 | 0.05 | <10 | 37 | <10 | 6 | 40 |
| 343 | 52+00N 7+75E | <0.2 | 1.18 | △ | 45 | <5 | 0.20 | <1 | 7 | 23 | 8 | 2.48 | 20 | 0.32 | 164 | <1 | 0.01 | 8 | 700 | 14 | <5 | <20 | 8 | 0.06 | <10 | 39 | <10 | 7 | 66 |
| 344 | 52+00N 8+00E | <0.2 | 3.44 | △ | 55 | 5 | 0.30 | <1 | 6 | 23 | 9 | 2.27 | 10 | 0.27 | 188 | <1 | <0.01 | 9 | 2100 | 22 | <5 | <20 | 12 | 0.05 | <10 | 30 | <10 | 5 | 76 |
| 345 | 52+00N 8+25E | 0.3 | 2.81 | △ | 75 | 5 | 0.17 | <1 | 8 | 18 | 10 | 2.32 | 10 | 0.12 | 215 | <1 | 0.01 | 8 | 500 | 24 | <5 | <20 | 10 | 0.06 | <10 | 25 | <10 | 11 | 47 |
| 346 | 52+00N 8+50E | <0.2 | 2.08 | △ | 55 | 5 | 0.18 | <1 | 9 | 31 | 8 | 3.70 | 20 | 0.39 | 113 | <1 | <0.01 | 10 | 420 | 14 | <5 | <20 | 8 | 0.08 | <10 | 53 | <10 | 9 | 87 |
| 347 | 52+00N 8+75E | <0.2 | 1.54 | △ | 80 | 5 | 0.18 | <1 | 8 | 29 | 9 | 3.85 | 20 | 0.34 | 75 | <1 | 0.01 | 10 | 270 | 14 | <5 | <20 | 11 | 0.09 | <10 | 54 | <10 | 8 | 51 |
| 348 | 52+00N 9+00E | <0.2 | 1.33 | △ | 40 | <5 | 0.39 | <1 | 4 | 12 | 4 | 1.55 | 10 | 0.10 | 85 | <1 | <0.01 | 4 | 230 | 14 | <5 | <20 | 21 | 0.04 | <10 | 27 | <10 | 6 | 32 |
| 349 | 52+00N 9+25E | <0.2 | 2.73 | △ | 45 | 5 | 0.22 | <1 | 8 | 17 | 5 | 2.04 | 10 | 0.11 | 184 | <1 | 0.02 | 7 | 420 | 22 | <5 | <20 | 12 | 0.08 | <10 | 29 | <10 | 15 | 63 |
| 350 | 52+00N 9+50E | <0.2 | 1.18 | △ | 30 | <5 | 0.12 | <1 | 6 | 17 | 4 | 2.30 | 20 | 0.21 | 72 | <1 | <0.01 | 6 | 280 | 12 | <5 | <20 | 6 | 0.07 | <10 | 37 | <10 | 7 | 43 |
| 351 | 52+00N 9+75E | <0.2 | 0.60 | △ | 25 | <5 | 0.06 | <1 | 3 | 7 | 4 | 0.83 | <10 | 0.06 | 38 | <1 | 0.01 | 2 | 170 | 8 | <5 | <20 | 5 | 0.04 | <10 | 21 | <10 | 4 | 17 |
| 352 | 52+00N 10+00E | <0.2 | 0.80 | △ | 20 | <5 | 0.05 | <1 | 3 | 9 | 3 | 1.11 | 10 | 0.09 | 33 | <1 | 0.01 | 2 | 310 | 10 | <5 | <20 | 2 | 0.04 | <10 | 22 | <10 | 5 | 25 |
| 353 | 52+50N 5+00E | 0.2 | 2.87 | △ | 60 | <5 | 0.08 | <1 | 8 | 31 | 11 | 3.01 | 30 | 0.43 | 124 | <1 | <0.01 | 10 | 420 | 22 | <5 | <20 | 5 | 0.06 | <10 | 48 | <10 | 8 | 49 |
| 354 | 52+50N 5+25E | <0.2 | 2.68 | △ | 35 | 5 | 0.06 | <1 | 5 | 20 | 7 | 2.02 | 20 | 0.20 | 58 | <1 | 0.01 | 6 | 410 | 22 | <5 | <20 | 4 | 0.04 | <10 | 34 | <10 | 8 | 34 |
| 355 | 52+50N 5+50E | <0.2 | 0.93 | △ | 45 | <5 | 0.07 | <1 | 5 | 15 | 5 | 1.96 | 20 | 0.16 | 45 | <1 | 0.01 | 3 | 280 | 12 | <5 | <20 | 4 | 0.07 | <10 | 38 | <10 | 7 | 23 |
| 356 | 52+50N 5+75E | <0.2 | 0.58 | △ | 20 | <5 | 0.13 | <1 | 3 | 10 | 5 | 0.90 | 10 | 0.11 | 85 | <1 | 0.01 | 5 | 270 | 10 | <5 | <20 | 4 | 0.04 | <10 | 21 | <10 | 7 | 25 |
| 357 | 52+50N 6+00E A (organic) | <0.2 | 2.35 | △ | 40 | <5 | 0.10 | <1 | 7 | 26 | 13 | 2.60 | 20 | 0.38 | 119 | <1 | <0.01 | 11 | 620 | 18 | <5 | <20 | 6 | 0.03 | <10 | 35 | <10 | 6 | 40 |
| 358 | 52+50N 6+00E B (clay) | 0.7 | 3.88 | △ | 90 | 10 | 0.36 | <1 | 14 | 34 | 33 | 3.11 | 70 | 0.41 | 1153 | 2 | 0.02 | 21 | 640 | 50 | <5 | <20 | 29 | 0.07 | 20 | 43 | <10 | 56 | 77 |
| 359 | 52+50N 6+25E A | <0.2 | 1.50 | △ | 50 | 5 | 0.14 | <1 | 6 | 22 | 6 | 2.85 | 20 | 0.24 | 155 | <1 | 0.01 | 6 | 850 | 18 | <5 | <20 | 7 | 0.07 | <10 | 44 | <10 | 9 | 38 |
| 360 | 52+50N 6+25E B | <0.2 | 2.01 | △ | 40 | <5 | 0.07 | <1 | 5 | 21 | 7 | 2.63 | 20 | 0.19 | 166 | <1 | <0.01 | 6 | 610 | 16 | <5 | <20 | 5 | 0.05 | <10 | 31 | <10 | 5 | 31 |
| 361 | 52+50N 6+50E | 0.3 | 1.47 | △ | 30 | 5 | 0.33 | <1 | 5 | 12 | 9 | 1.33 | 20 | 0.13 | 643 | <1 | 0.03 | 6 | 920 | 18 | <5 | <20 | 20 | 0.04 | <10 | 25 | <10 | 25 | 23 |
| 362 | 52+50N 6+75E | <0.2 | 3.04 | △ | 30 | <5 | 0.08 | <1 | 5 | 20 | 6 | 2.00 | 10 | 0.18 | 188 | <1 | <0.01 | 7 | 470 | 22 | <5 | <20 | 4 | 0.04 | <10 | 22 | <10 | 7 | 40 |
| 363 | 52+50N 7+00E | <0.2 | 0.85 | △ | 15 | <5 | 0.03 | <1 | 3 | 5 | 3 | 0.56 | <10 | 0.02 | 21 | <1 | 0.02 | <1 | 270 | 10 | <5 | <20 | 1 | 0.05 | <10 | 16 | <10 | 7 | 7 |
| 364 | 52+50N 7+25E | <0.2 | 0.24 | △ | 10 | <5 | 0.03 | <1 | 2 | 2 | 1 | 0.23 | <10 | 0.02 | 22 | <1 | 0.02 | <1 | 90 | 6 | <5 | <20 | 2 | 0.03 | <10 | 10 | <10 | 4 | 5 |
| 365 | 52+50N 7+50E | 0.2 | 2.15 | △ | 90 | 5 | 0.36 | <1 | 10 | 23 | 13 | 2.05 | 20 | 0.38 | 951 | <1 | 0.01 | 14 | 550 | 26 | <5 | <20 | 27 | 0.05 | <10 | 27 | <10 | 22 | 53 |
| 366 | 52+50N 7+75E | 0.3 | 3.01 | △ | 100 | <5 | 0.55 | <1 | 12 | 23 | 16 | 2.41 | 30 | 0.24 | 2139 | <1 | 0.02 | 13 | 990 | 38 | <5 | <20 | 41 | 0.06 | 10 | 32 | <10 | 34 | 62 |
| 367 | 52+50N 8+00E | 0.2 | 1.56 | △ | 55 | 5 | 0.35 | <1 | 6 | 13 | 7 | 1.46 | 20 | 0.13 | 506 | <1 | 0.02 | 6 | 380 | 18 | <5 | <20 | 24 | 0.06 | <10 | 24 | <10 | 18 | 38 |
| 368 | 52+50N 8+25E | 0.7 | 3.19 | △ | 80 | <5 | 0.78 | <1 | 9 | 17 | 19 | 1.79 | 40 | 0.15 | 1322 | <1 | 0.01 | 11 | 1430 | 48 | <5 | <20 | 55 | 0.04 | 20 | 22 | <10 | 45 | 43 |
| 369 | 52+50N 8+50E | 0.2 | 2.19 | △ | 80 | 5 | 0.33 | <1 | 13 | 23 | 14 | 2.64 | 30 | 0.28 | 1264 | <1 | 0.02 | 11 | 800 | 30 | <5 | <20 | 27 | 0.07 | <10 | 39 | <10 | 32 | 73 |
| 370 | 52+50N 8+75E | 0.3 | 2.87 | △ | 60 | 5 | 0.15 | <1 | 15 | 23 | 14 | 3.16 | 40 | 0.18 | 1614 | <1 | 0.01 | 11 | 850 | 46 | <5 | <20 | 10 | 0.06 | 10 | 37 | <10 | 37 | 64 |
| 371 | 52+50N 9+00E | 0.2 | 4.37 | △ | 105 | 10 | 0.39 | <1 | 25 | 32 | 18 | 4.14 | 30 | 0.27 | 1881 | <1 | 0.01 | 17 | 690 | 44 | <5 | <20 | 23 | 0.10 | <10 | 39 | <10 | 30 | 99 |
| 372 | 52+50N 9+25E | <0.2 | 0.28 | △ | 15 | <5 | 0.06 | <1 | 2 | 5 | 2 | 0.61 | <10 | 0.04 | 67 | <1 | 0.01 | <1 | 110 | 4 | <5 | <20 | 3 | 0.03 | <10 | 18 | <10 | 3 | 13 |
| 373 | 52+50N 9+50E | <0.2 | 0.73 | △ | 20 | <5 | 0.05 | <1 | 2 | 5 | 3 | 0.78 | <10 | 0.02 | 17 | <1 | 0.02 | <1 | 200 | 10 | <5 | <20 | 3 | 0.04 | <10 | 15 | <10 | 5 | 10 |
| 374 | 52+50N 9+75E | <0.2 | 3.12 | △ | 45 | 10 | 0.15 | <1 | 4 | 18 | 6 | 2.18 | 10 | 0.06 | 98 | <1 | 0.01 | 4 | 610 | 22 | <5 | <20 | 9 | 0.08 | <10 | 29 | <10 | 8 | 28 |
| 375 | 52+50N 10+00E | <0.2 | 0.45 | △ | 30 | <5 | 0.08 | <1 | 2 | 4 | 2 | 0.46 | <10 | 0.02 | 40 | <1 | 0.01 | <1 | 220 | 8 | <5 | <20 | 3 | 0.04 | <10 | 14 | <10 | 5 | 12 |

RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

ECO TECH LABORATORY LTD.

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Tl % | U | V | W | Y | Zn |
|-------|--------------------|------|------|----|-----|----|------|----|----|----|----|------|-----|------|-----|----|-------|----|------|----|----|-----|----|------|-----|----|-----|----|----|
| 376 | 53+00N 5+50E #5349 | 0.4 | 2.16 | <5 | 75 | <5 | 0.23 | <1 | 9 | 21 | 17 | 1.89 | 50 | 0.26 | 981 | <1 | 0.01 | 11 | 700 | 30 | <5 | <20 | 19 | 0.05 | 20 | 25 | <10 | 51 | 58 |
| 377 | 53+00N 5+75E #5350 | 0.2 | 1.05 | <5 | 65 | <5 | 0.33 | <1 | 8 | 16 | 11 | 1.72 | 20 | 0.21 | 96 | <1 | 0.01 | 8 | 280 | 18 | <5 | <20 | 24 | 0.05 | <10 | 24 | <10 | 15 | 41 |
| 378 | 53+00N 6+00E #5351 | <0.2 | 2.21 | <5 | 45 | 5 | 0.09 | <1 | 8 | 28 | 10 | 3.10 | 20 | 0.35 | 140 | <1 | <0.01 | 10 | 430 | 18 | <5 | <20 | 4 | 0.10 | <10 | 50 | <10 | 10 | 47 |
| 379 | 53+00N 6+25E #5352 | 0.3 | 2.75 | <5 | 65 | 5 | 0.11 | <1 | 8 | 24 | 15 | 2.46 | 20 | 0.29 | 244 | <1 | 0.02 | 13 | 410 | 30 | <5 | <20 | 11 | 0.08 | <10 | 34 | <10 | 15 | 45 |
| 380 | 53+00N 6+50E #5353 | 0.3 | 2.64 | <5 | 40 | <5 | 0.15 | <1 | 6 | 17 | 13 | 1.78 | 30 | 0.14 | 103 | <1 | 0.02 | 7 | 440 | 28 | <5 | <20 | 13 | 0.06 | <10 | 24 | <10 | 27 | 28 |
| 381 | 53+00N 6+75E #5254 | 0.3 | 2.13 | <5 | 15 | 5 | 0.04 | <1 | 3 | 10 | 5 | 1.10 | <10 | 0.04 | 107 | <1 | 0.01 | 2 | 480 | 18 | <5 | <20 | 2 | 0.06 | <10 | 18 | <10 | 8 | 12 |
| 382 | 53+00N 7+00E #5255 | 0.2 | 2.35 | <5 | 25 | 10 | 0.13 | <1 | 4 | 11 | 8 | 1.34 | 10 | 0.07 | 153 | <1 | 0.01 | 4 | 580 | 18 | <5 | <20 | 6 | 0.06 | <10 | 22 | <10 | 12 | 14 |
| 383 | 53+00N 7+25E #5256 | <0.2 | 0.17 | <5 | 15 | <5 | 0.04 | <1 | 2 | 3 | 2 | 0.37 | <10 | 0.02 | 40 | <1 | 0.02 | <1 | 100 | <2 | <5 | <20 | 3 | 0.02 | <10 | 12 | <10 | 2 | 7 |
| 384 | 53+00N 7+50E #5257 | <0.2 | 2.68 | <5 | 55 | 5 | 0.15 | <1 | 7 | 22 | 7 | 1.78 | 20 | 0.32 | 176 | <1 | <0.01 | 10 | 570 | 20 | <5 | <20 | 5 | 0.04 | <10 | 22 | <10 | 8 | 58 |
| 385 | 53+00N 7+75E #5258 | 0.2 | 0.40 | <5 | 10 | <5 | 0.04 | <1 | 2 | 4 | 2 | 0.83 | <10 | 0.02 | 19 | <1 | 0.01 | 1 | 270 | 8 | <5 | <20 | 2 | 0.04 | <10 | 13 | <10 | 4 | 8 |
| 386 | 53+00N 8+00E #5259 | <0.2 | 0.67 | <5 | 20 | <5 | 0.11 | <1 | 4 | 10 | 4 | 1.19 | 10 | 0.10 | 161 | <1 | 0.01 | 2 | 290 | 8 | <5 | <20 | 3 | 0.04 | <10 | 21 | <10 | 5 | 18 |
| 387 | 53+00N 8+25E | 0.2 | 1.39 | <5 | 35 | 5 | 0.21 | <1 | 8 | 15 | 5 | 2.36 | 10 | 0.10 | 559 | <1 | 0.01 | 4 | 860 | 16 | <5 | <20 | 7 | 0.08 | <10 | 34 | <10 | 7 | 29 |
| 388 | 53+00N 8+50E | 0.2 | 2.27 | <5 | 40 | <5 | 0.13 | <1 | 5 | 15 | 7 | 1.73 | 10 | 0.13 | 262 | <1 | <0.01 | 6 | 580 | 20 | <5 | <20 | 5 | 0.06 | <10 | 26 | <10 | 7 | 34 |
| 389 | 53+00N 8+75E | <0.2 | 1.68 | <5 | 65 | <5 | 0.14 | <1 | 8 | 20 | 8 | 1.69 | 20 | 0.38 | 198 | <1 | 0.01 | 12 | 430 | 18 | <5 | <20 | 6 | 0.05 | <10 | 25 | <10 | 10 | 44 |
| 390 | 53+00N 9+00E | <0.2 | 1.65 | <5 | 65 | <5 | 0.14 | <1 | 8 | 20 | 8 | 1.66 | 20 | 0.38 | 190 | <1 | 0.01 | 12 | 400 | 18 | <5 | <20 | 6 | 0.05 | <10 | 25 | <10 | 10 | 43 |
| 391 | 53+00N 9+25E | <0.2 | 0.37 | <5 | 20 | <5 | 0.06 | <1 | 1 | 3 | 2 | 0.36 | <10 | 0.02 | 22 | <1 | 0.01 | <1 | 190 | 8 | <5 | <20 | 3 | 0.03 | <10 | 9 | <10 | 3 | 7 |
| 392 | 53+00N 9+50E | <0.2 | 1.87 | <5 | 65 | <5 | 0.13 | <1 | 8 | 20 | 7 | 1.64 | 20 | 0.37 | 164 | <1 | 0.01 | 11 | 380 | 18 | <5 | <20 | 7 | 0.05 | <10 | 24 | <10 | 9 | 44 |
| 393 | 53+00N 9+75E | <0.2 | 1.79 | <5 | 65 | <5 | 0.12 | <1 | 8 | 20 | 7 | 1.71 | 20 | 0.37 | 152 | <1 | <0.01 | 11 | 360 | 18 | <5 | <20 | 8 | 0.05 | <10 | 25 | <10 | 8 | 46 |
| 394 | 53+00N 10+00E | <0.2 | 0.57 | <5 | 30 | <5 | 0.10 | <1 | 2 | 6 | 4 | 0.64 | <10 | 0.03 | 14 | <1 | 0.01 | 2 | 350 | 12 | <5 | <20 | 5 | 0.05 | <10 | 12 | <10 | 6 | 10 |
| 395 | 53+50N 5+50E #5348 | <0.2 | 0.75 | <5 | 30 | <5 | 0.10 | <1 | 4 | 13 | 6 | 1.51 | 10 | 0.14 | 65 | <1 | <0.01 | 5 | 190 | 10 | <5 | <20 | 6 | 0.05 | <10 | 35 | <10 | 6 | 22 |
| 396 | 53+50N 5+75E #5347 | 0.3 | 2.68 | <5 | 35 | 5 | 0.10 | <1 | 5 | 17 | 9 | 2.44 | 30 | 0.08 | 70 | <1 | <0.01 | 5 | 390 | 28 | <5 | <20 | 12 | 0.08 | <10 | 22 | <10 | 22 | 16 |
| 397 | 53+50N 6+00E #5346 | 0.3 | 2.47 | <5 | 65 | <5 | 0.16 | <1 | 12 | 25 | 22 | 2.08 | 30 | 0.36 | 689 | <1 | 0.02 | 17 | 490 | 48 | <5 | <20 | 12 | 0.05 | 10 | 31 | <10 | 29 | 48 |
| 398 | 53+50N 6+25E #5345 | 0.2 | 1.76 | <5 | 30 | <5 | 0.06 | <1 | 4 | 16 | 5 | 1.69 | 10 | 0.15 | 104 | <1 | <0.01 | 6 | 410 | 14 | <5 | <20 | 2 | 0.05 | <10 | 26 | <10 | 6 | 25 |
| 399 | 53+50N 6+50E #5344 | 0.2 | 3.16 | <5 | 35 | 5 | 0.07 | <1 | 6 | 22 | 8 | 2.29 | 20 | 0.22 | 191 | <1 | <0.01 | 7 | 430 | 28 | <5 | <20 | 2 | 0.08 | <10 | 30 | <10 | 10 | 38 |
| 400 | 53+50N 6+75E #5343 | <0.2 | 2.42 | <5 | 50 | 5 | 0.08 | <1 | 8 | 25 | 10 | 2.92 | 20 | 0.30 | 158 | <1 | <0.01 | 10 | 420 | 20 | <5 | <20 | 4 | 0.07 | <10 | 37 | <10 | 9 | 47 |
| 401 | 53+50N 7+00E #5342 | 0.2 | 3.36 | <5 | 50 | 5 | 0.08 | <1 | 6 | 25 | 8 | 2.70 | 20 | 0.25 | 125 | <1 | <0.01 | 10 | 580 | 22 | <5 | <20 | 3 | 0.07 | <10 | 31 | <10 | 9 | 50 |
| 402 | 53+50N 7+25E #5341 | <0.2 | 1.95 | <5 | 45 | <5 | 0.15 | <1 | 4 | 14 | 7 | 1.40 | 10 | 0.14 | 256 | <1 | <0.01 | 5 | 480 | 16 | <5 | <20 | 6 | 0.05 | <10 | 22 | <10 | 7 | 31 |
| 403 | 53+50N 7+50E #5340 | <0.2 | 1.18 | <5 | 35 | <5 | 0.22 | <1 | 6 | 20 | 10 | 2.09 | 10 | 0.23 | 266 | <1 | <0.01 | 7 | 2160 | 18 | <5 | <20 | 7 | 0.05 | <10 | 27 | <10 | 6 | 37 |
| 404 | 53+50N 7+75E #5339 | <0.2 | 3.27 | <5 | 35 | 5 | 0.07 | <1 | 5 | 23 | 5 | 2.84 | 20 | 0.14 | 79 | <1 | <0.01 | 6 | 530 | 26 | <5 | <20 | 4 | 0.08 | <10 | 45 | <10 | 7 | 33 |
| 405 | 53+50N 8+00E #5338 | <0.2 | 1.55 | <5 | 40 | <5 | 0.12 | <1 | 6 | 20 | 7 | 2.29 | 10 | 0.21 | 119 | <1 | <0.01 | 7 | 990 | 18 | <5 | <20 | 5 | 0.06 | <10 | 38 | <10 | 6 | 36 |
| 406 | 53+50N 8+25E #5337 | <0.2 | 2.04 | <5 | 65 | 10 | 0.13 | <1 | 8 | 24 | 11 | 3.00 | 20 | 0.29 | 174 | <1 | <0.01 | 11 | 1250 | 18 | <5 | <20 | 5 | 0.09 | <10 | 33 | <10 | 11 | 47 |
| 407 | 53+50N 8+50E #5336 | 0.2 | 2.99 | <5 | 180 | 10 | 0.09 | <1 | 10 | 50 | 21 | 4.67 | 30 | 0.62 | 229 | <1 | 0.01 | 6 | 1020 | 18 | <5 | <20 | 16 | 0.15 | <10 | 74 | <10 | 13 | 53 |
| 408 | 53+50N 8+75E #5335 | <0.2 | 0.26 | <5 | 20 | <5 | 0.08 | <1 | 4 | 6 | 2 | 0.72 | <10 | 0.04 | 78 | <1 | 0.01 | 2 | 150 | 4 | <5 | <20 | 3 | 0.05 | <10 | 26 | <10 | 5 | 13 |
| 409 | 53+50N 9+00E #5334 | <0.2 | 1.90 | <5 | 35 | 5 | 0.10 | <1 | 5 | 13 | 4 | 1.70 | 10 | 0.11 | 48 | <1 | 0.01 | 4 | 330 | 18 | <5 | <20 | 3 | 0.07 | <10 | 32 | <10 | 9 | 31 |
| 410 | 53+50N 9+25E #5333 | 0.2 | 2.61 | <5 | 50 | 10 | 0.11 | <1 | 6 | 21 | 7 | 2.10 | 20 | 0.31 | 165 | <1 | <0.01 | 9 | 660 | 18 | <5 | <20 | 4 | 0.05 | <10 | 28 | <10 | 8 | 52 |

RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

ECO TECH LABORATORY LTD.

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|---------------------|------|------|----|-----|----|------|----|----|----|----|------|-----|------|------|----|-------|----|------|----|----|-----|----|------|-----|----|-----|----|----|
| 411 | 53+50N 9+50E #5332 | 0.2 | 0.13 | △ | 10 | △ | 0.03 | <1 | 1 | 2 | <1 | 0.23 | <10 | 0.02 | 22 | <1 | 0.01 | <1 | 110 | <2 | △ | <20 | 2 | 0.02 | <10 | 8 | <10 | 2 | 6 |
| 412 | 53+50N 9+75E #5329 | <0.2 | 1.82 | △ | 40 | △ | 0.08 | <1 | 5 | 17 | 8 | 1.78 | 20 | 0.23 | 119 | <1 | <0.01 | 7 | 830 | 16 | △ | <20 | 4 | 0.04 | <10 | 25 | <10 | 7 | 34 |
| 413 | 53+50N 10+00E #5331 | <0.2 | 0.37 | △ | 15 | △ | 0.06 | <1 | 2 | 5 | 3 | 0.54 | <10 | 0.05 | 60 | <1 | 0.01 | <1 | 200 | 8 | △ | <20 | 2 | 0.03 | <10 | 15 | <10 | 5 | 12 |
| 414 | 54+00N 5+00E #5309 | <0.2 | 3.28 | △ | 85 | △ | 0.21 | <1 | 11 | 27 | 26 | 2.33 | 50 | 0.38 | 911 | 1 | 0.02 | 19 | 880 | 40 | △ | <20 | 18 | 0.05 | 20 | 34 | <10 | 48 | 64 |
| 415 | 54+00N 5+25E #5310 | 0.2 | 4.37 | △ | 65 | 5 | 0.07 | <1 | 10 | 25 | 20 | 2.20 | 30 | 0.22 | 198 | <1 | 0.01 | 14 | 530 | 42 | △ | <20 | 6 | 0.09 | <10 | 30 | <10 | 27 | 48 |
| 416 | 54+00N 5+50E #5311 | 0.2 | 1.57 | △ | 35 | △ | 0.05 | <1 | 5 | 14 | 9 | 2.17 | 20 | 0.09 | 59 | <1 | <0.01 | 3 | 390 | 18 | △ | <20 | 6 | 0.06 | <10 | 26 | <10 | 7 | 18 |
| 417 | 54+00N 5+75E #5312 | <0.2 | 2.00 | △ | 40 | △ | 0.07 | <1 | 7 | 30 | 7 | 3.62 | 30 | 0.31 | 157 | <1 | <0.01 | 8 | 1680 | 18 | △ | <20 | 3 | 0.08 | <10 | 59 | <10 | 7 | 39 |
| 418 | 54+00N 6+00E #5313 | <0.2 | 2.12 | △ | 55 | △ | 0.08 | <1 | 5 | 18 | 6 | 2.16 | 20 | 0.17 | 104 | <1 | <0.01 | 6 | 810 | 16 | △ | <20 | 5 | 0.06 | <10 | 31 | <10 | 6 | 29 |
| 419 | 54+00N 6+25E #5314 | <0.2 | 3.24 | △ | 15 | △ | 0.05 | <1 | 4 | 13 | 5 | 1.71 | 10 | 0.05 | 41 | <1 | 0.01 | 4 | 770 | 22 | △ | <20 | 1 | 0.07 | <10 | 30 | <10 | 8 | 10 |
| 420 | 54+00N 6+50E #5315 | <0.2 | 3.47 | △ | 45 | 5 | 0.05 | <1 | 9 | 25 | 18 | 2.07 | 20 | 0.27 | 281 | <1 | <0.01 | 12 | 410 | 32 | △ | <20 | 3 | 0.07 | <10 | 29 | <10 | 12 | 45 |
| 421 | 54+00N 6+75E #5316 | 0.2 | 3.51 | △ | 45 | 5 | 0.08 | <1 | 5 | 22 | 8 | 2.13 | 20 | 0.15 | 57 | <1 | <0.01 | 6 | 590 | 26 | △ | <20 | 6 | 0.06 | <10 | 28 | <10 | 8 | 26 |
| 422 | 54+00N 7+00E #5317 | <0.2 | 1.42 | △ | 35 | 5 | 0.10 | <1 | 4 | 11 | 5 | 1.47 | 10 | 0.10 | 78 | <1 | <0.01 | 4 | 470 | 14 | △ | <20 | 5 | 0.06 | <10 | 25 | <10 | 6 | 20 |
| 423 | 54+00N 7+25E #5318 | <0.2 | 1.97 | △ | 75 | △ | 0.17 | <1 | 11 | 24 | 14 | 2.34 | 20 | 0.45 | 307 | <1 | 0.01 | 14 | 420 | 20 | △ | <20 | 12 | 0.07 | <10 | 30 | <10 | 14 | 61 |
| 424 | 54+00N 7+50E #5319 | <0.2 | 2.23 | △ | 130 | △ | 0.31 | <1 | 15 | 33 | 26 | 3.06 | 40 | 0.58 | 1171 | <1 | 0.01 | 23 | 640 | 24 | △ | <20 | 33 | 0.07 | <10 | 35 | <10 | 30 | 90 |
| 425 | 54+00N 7+75E #5320 | 0.5 | 2.45 | 5 | 100 | △ | 0.25 | <1 | 21 | 29 | 32 | 2.44 | 50 | 0.45 | 660 | <1 | 0.01 | 25 | 730 | 34 | △ | <20 | 24 | 0.05 | 20 | 28 | <10 | 47 | 68 |
| 426 | 54+00N 8+00E #5321 | <0.2 | 0.21 | △ | 15 | △ | 0.03 | <1 | 2 | 3 | 2 | 0.41 | <10 | 0.02 | 29 | <1 | 0.01 | <1 | 100 | 4 | △ | <20 | 3 | 0.03 | <10 | 13 | <10 | 4 | 9 |
| 427 | 54+00N 8+25E #5322 | 0.4 | 2.15 | 10 | 115 | △ | 0.24 | <1 | 14 | 28 | 24 | 2.89 | 30 | 0.47 | 351 | <1 | 0.02 | 18 | 390 | 42 | △ | <20 | 25 | 0.09 | <10 | 39 | <10 | 25 | 71 |
| 428 | 54+00N 8+50E #5323 | <0.2 | 1.07 | △ | 80 | 5 | 0.27 | <1 | 7 | 18 | 8 | 2.61 | 20 | 0.17 | 115 | <1 | 0.01 | 5 | 610 | 18 | △ | <20 | 15 | 0.11 | <10 | 53 | <10 | 9 | 37 |
| 429 | 54+00N 8+75E #5324 | <0.2 | 0.20 | △ | 25 | △ | 0.10 | <1 | 2 | 4 | 2 | 0.49 | <10 | 0.03 | 42 | <1 | 0.01 | <1 | 150 | 4 | △ | <20 | 6 | 0.03 | <10 | 15 | <10 | 3 | 11 |
| 430 | 54+00N 9+00E #5325 | <0.2 | 0.12 | △ | 10 | △ | 0.04 | <1 | 2 | 4 | <1 | 0.49 | <10 | 0.02 | 31 | <1 | 0.01 | <1 | 90 | <2 | △ | <20 | 2 | 0.03 | <10 | 20 | <10 | 2 | 8 |
| 431 | 54+00N 9+25E #5326 | <0.2 | 1.59 | △ | 30 | △ | 0.04 | <1 | 4 | 9 | 4 | 1.07 | <10 | 0.07 | 35 | <1 | 0.01 | 2 | 230 | 14 | △ | <20 | 3 | 0.06 | <10 | 20 | <10 | 7 | 17 |
| 432 | 54+00N 9+50E #5327 | 0.5 | 1.69 | △ | 35 | △ | 0.11 | <1 | 5 | 14 | 8 | 1.82 | 20 | 0.12 | 102 | <1 | 0.02 | 5 | 250 | 32 | △ | <20 | 10 | 0.07 | <10 | 25 | <10 | 26 | 22 |
| 433 | 54+00N 9+75E #5328 | <0.2 | 0.29 | △ | 15 | △ | 0.05 | <1 | 3 | 7 | 3 | 0.84 | <10 | 0.05 | 93 | <1 | 0.01 | 1 | 170 | 4 | △ | <20 | 2 | 0.04 | <10 | 25 | <10 | 5 | 17 |
| 434 | 54+00N 10+00E #5330 | <0.2 | 2.01 | △ | 45 | 5 | 0.07 | <1 | 7 | 21 | 6 | 2.47 | 20 | 0.33 | 98 | <1 | <0.01 | 9 | 310 | 16 | △ | <20 | 5 | 0.07 | <10 | 37 | <10 | 7 | 36 |
| 435 | 54+50N 5+00E #5308 | 0.2 | 2.66 | △ | 45 | △ | 0.07 | <1 | 7 | 31 | 11 | 2.87 | 20 | 0.41 | 157 | <1 | <0.01 | 11 | 910 | 22 | △ | <20 | 4 | 0.06 | <10 | 43 | <10 | 7 | 52 |
| 436 | 54+50N 5+25E #5307 | <0.2 | 2.31 | △ | 30 | 5 | 0.05 | <1 | 5 | 20 | 7 | 2.08 | 10 | 0.20 | 91 | <1 | <0.01 | 6 | 550 | 20 | △ | <20 | 2 | 0.04 | <10 | 27 | <10 | 5 | 33 |
| 437 | 54+50N 5+50E #5306 | <0.2 | 1.67 | △ | 110 | △ | 0.21 | <1 | 8 | 24 | 12 | 2.28 | 30 | 0.40 | 139 | <1 | 0.01 | 14 | 280 | 22 | △ | <20 | 17 | 0.05 | <10 | 29 | <10 | 19 | 59 |
| 438 | 54+50N 5+75E #5305 | <0.2 | 1.95 | △ | 40 | 5 | 0.08 | <1 | 6 | 22 | 8 | 2.49 | 20 | 0.24 | 153 | <1 | <0.01 | 8 | 510 | 18 | △ | <20 | 1 | 0.07 | <10 | 37 | <10 | 8 | 34 |
| 439 | 54+50N 6+00E #5304 | <0.2 | 2.09 | △ | 35 | 5 | 0.05 | <1 | 4 | 17 | 4 | 1.68 | 10 | 0.17 | 63 | <1 | <0.01 | 6 | 400 | 20 | △ | <20 | 2 | 0.05 | <10 | 27 | <10 | 6 | 24 |
| 440 | 54+50N 6+25E #5303 | <0.2 | 1.26 | △ | 30 | 5 | 0.05 | <1 | 6 | 19 | 7 | 2.39 | 20 | 0.19 | 177 | <1 | <0.01 | 5 | 1400 | 18 | △ | <20 | 3 | 0.09 | <10 | 43 | <10 | 8 | 29 |
| 441 | 54+50N 6+50E #5302 | <0.2 | 2.25 | △ | 55 | △ | 0.06 | <1 | 6 | 22 | 7 | 1.89 | 20 | 0.29 | 121 | <1 | <0.01 | 10 | 360 | 22 | △ | <20 | 4 | 0.05 | <10 | 25 | <10 | 6 | 45 |
| 442 | 54+50N 6+75E #5301 | <0.2 | 1.44 | △ | 35 | △ | 0.08 | <1 | 6 | 19 | 9 | 1.91 | 20 | 0.25 | 189 | <1 | <0.01 | 9 | 580 | 14 | △ | <20 | 3 | 0.05 | <10 | 29 | <10 | 6 | 39 |
| 443 | 54+50N 7+00E #5428 | <0.2 | 0.94 | △ | 15 | △ | 0.04 | <1 | 3 | 8 | 3 | 0.89 | <10 | 0.04 | 40 | <1 | 0.01 | 2 | 210 | 8 | △ | <20 | 3 | 0.04 | <10 | 21 | <10 | 4 | 11 |
| 444 | 54+50N 7+25E #5427 | 0.4 | 3.08 | △ | 40 | 5 | 0.08 | <1 | 6 | 27 | 7 | 2.78 | 20 | 0.25 | 100 | <1 | <0.01 | 9 | 620 | 24 | △ | <20 | 3 | 0.07 | <10 | 36 | <10 | 7 | 40 |
| 445 | 54+50N 7+50E #5426 | <0.2 | 3.23 | △ | 30 | 5 | 0.05 | <1 | 5 | 18 | 5 | 2.08 | 10 | 0.12 | 57 | <1 | <0.01 | 6 | 540 | 24 | △ | <20 | 3 | 0.07 | <10 | 29 | <10 | 8 | 22 |

RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

ECO TECH LABORATORY LTD.

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|---------------------|------|------|----|----|----|------|----|----|----|----|------|-----|------|-----|----|-------|----|------|----|----|-----|----|------|-----|----|-----|----|----|
| 446 | 54+50N 7+75E #5425 | <0.2 | 1.66 | <5 | 30 | 10 | 0.17 | <1 | 5 | 15 | 4 | 1.67 | 10 | 0.13 | 113 | <1 | <0.01 | 6 | 550 | 14 | <5 | <20 | 5 | 0.05 | <10 | 27 | <10 | 6 | 23 |
| 447 | 54+50N 8+00E #5424 | <0.2 | 1.90 | <5 | 55 | 5 | 0.08 | <1 | 8 | 25 | 11 | 3.15 | 20 | 0.26 | 120 | <1 | <0.01 | 11 | 660 | 24 | <5 | <20 | 5 | 0.09 | <10 | 48 | <10 | 7 | 49 |
| 448 | 54+50N 8+25E #5423 | <0.2 | 1.83 | <5 | 45 | 5 | 0.07 | <1 | 7 | 19 | 9 | 2.23 | 20 | 0.25 | 115 | <1 | 0.01 | 8 | 950 | 18 | <5 | <20 | 5 | 0.07 | <10 | 32 | <10 | 8 | 40 |
| 449 | 54+50N 8+50E #5422 | <0.2 | 1.61 | <5 | 40 | 5 | 0.08 | <1 | 5 | 15 | 4 | 2.03 | 10 | 0.09 | 53 | <1 | <0.01 | 4 | 360 | 20 | <5 | <20 | 5 | 0.08 | <10 | 35 | <10 | 8 | 20 |
| 450 | 54+50N 8+75E #5421 | <0.2 | 1.25 | <5 | 20 | <5 | 0.06 | <1 | 3 | 9 | 3 | 1.19 | <10 | 0.07 | 36 | <1 | 0.01 | 2 | 370 | 12 | <5 | <20 | 3 | 0.06 | <10 | 23 | <10 | 7 | 12 |
| 451 | 54+50N 9+00E #5420 | <0.2 | 0.98 | <5 | 55 | <5 | 0.56 | <1 | 5 | 12 | 6 | 1.41 | 10 | 0.12 | 687 | <1 | 0.01 | 5 | 1410 | 14 | <5 | <20 | 19 | 0.07 | <10 | 26 | <10 | 6 | 36 |
| 452 | 54+50N 9+25E #5419 | <0.2 | 4.50 | <5 | 30 | 10 | 0.06 | <1 | 5 | 23 | 8 | 2.85 | 20 | 0.09 | 264 | <1 | <0.01 | 6 | 1120 | 34 | <5 | <20 | 3 | 0.08 | <10 | 38 | <10 | 7 | 21 |
| 453 | 54+50N 9+50E #5418 | <0.2 | 0.52 | <5 | 20 | <5 | 0.06 | <1 | 3 | 8 | 5 | 1.08 | 10 | 0.07 | 28 | <1 | <0.01 | 2 | 250 | 8 | <5 | <20 | 3 | 0.05 | <10 | 28 | <10 | 6 | 13 |
| 454 | 54+50N 9+75E #5417 | 0.4 | 2.68 | <5 | 50 | <5 | 0.05 | <1 | 7 | 25 | 6 | 2.27 | 20 | 0.26 | 63 | <1 | <0.01 | 9 | 560 | 24 | <5 | <20 | 4 | 0.05 | <10 | 32 | <10 | 7 | 49 |
| 455 | 54+50N 10+00E #5416 | <0.2 | 0.12 | <5 | 10 | <5 | 0.03 | <1 | 2 | 3 | 1 | 0.34 | <10 | 0.02 | 25 | <1 | 0.01 | <1 | 140 | <2 | <5 | <20 | 1 | 0.02 | <10 | 13 | <10 | 1 | 7 |
| 456 | 55+00N 5+75E #5157 | 0.2 | 2.67 | <5 | 40 | 5 | 0.10 | <1 | 5 | 16 | 7 | 1.70 | 10 | 0.10 | 34 | <1 | <0.01 | 5 | 390 | 22 | <5 | <20 | 6 | 0.08 | <10 | 31 | <10 | 9 | 20 |
| 457 | 55+00N 6+00E #5156 | 0.2 | 1.53 | <5 | 35 | 5 | 0.05 | <1 | 6 | 19 | 5 | 2.91 | 20 | 0.14 | 24 | <1 | <0.01 | 5 | 270 | 20 | <5 | <20 | 3 | 0.08 | <10 | 49 | <10 | 7 | 21 |
| 458 | 55+00N 6+25E #5155 | <0.2 | 2.13 | <5 | 40 | <5 | 0.07 | <1 | 5 | 19 | 5 | 1.72 | 20 | 0.23 | 76 | <1 | <0.01 | 7 | 370 | 16 | <5 | <20 | 4 | 0.04 | <10 | 23 | <10 | 6 | 40 |
| 459 | 55+00N 6+50E #5154 | 0.2 | 2.52 | <5 | 45 | 5 | 0.07 | <1 | 5 | 17 | 5 | 1.86 | 20 | 0.15 | 47 | <1 | <0.01 | 6 | 360 | 22 | <5 | <20 | 3 | 0.07 | <10 | 27 | <10 | 9 | 31 |
| 460 | 55+00N 6+75E #5153 | 0.2 | 1.99 | <5 | 30 | 10 | 0.07 | <1 | 5 | 20 | 6 | 2.04 | 10 | 0.21 | 60 | <1 | <0.01 | 6 | 310 | 16 | <5 | <20 | 5 | 0.06 | <10 | 26 | <10 | 6 | 31 |
| 461 | 55+00N 7+00E #5152 | 0.2 | 1.92 | <5 | 50 | 5 | 0.10 | <1 | 7 | 21 | 9 | 1.95 | 20 | 0.28 | 152 | <1 | <0.01 | 9 | 380 | 18 | <5 | <20 | 5 | 0.06 | <10 | 28 | <10 | 10 | 38 |
| 462 | 55+00N 7+25E #5151 | 0.3 | 2.59 | <5 | 45 | <5 | 0.09 | <1 | 6 | 24 | 10 | 2.29 | 20 | 0.28 | 150 | <1 | <0.01 | 13 | 410 | 26 | <5 | <20 | 4 | 0.06 | <10 | 28 | <10 | 9 | 49 |
| 463 | 55+00N 7+50E #5150 | 0.2 | 1.19 | <5 | 15 | <5 | 0.08 | <1 | 5 | 9 | 7 | 1.13 | 10 | 0.08 | 55 | <1 | 0.01 | 7 | 400 | 16 | <5 | <20 | 4 | 0.05 | <10 | 27 | <10 | 11 | 15 |
| 464 | 55+00N 7+75E #5149 | 0.5 | 1.45 | <5 | 50 | 5 | 0.16 | <1 | 19 | 15 | 16 | 2.35 | 30 | 0.14 | 628 | <1 | 0.02 | 27 | 460 | 28 | <5 | <20 | 16 | 0.08 | <10 | 33 | <10 | 28 | 34 |
| 465 | 55+00N 8+00E #5148 | <0.2 | 1.12 | <5 | 25 | 5 | 0.15 | <1 | 4 | 11 | 4 | 1.46 | 10 | 0.06 | 120 | <1 | <0.01 | 3 | 730 | 12 | <5 | <20 | 5 | 0.08 | <10 | 30 | <10 | 6 | 20 |
| 466 | 55+00N 8+25E #5147 | <0.2 | 0.63 | <5 | 25 | 5 | 0.10 | <1 | 3 | 5 | 3 | 0.69 | <10 | 0.03 | 31 | <1 | 0.01 | 2 | 250 | 14 | <5 | <20 | 3 | 0.07 | <10 | 17 | <10 | 7 | 12 |
| 467 | 55+00N 8+50E #5146 | <0.2 | 0.27 | <5 | 15 | <5 | 0.06 | <1 | 2 | 4 | 2 | 0.41 | <10 | 0.02 | 22 | <1 | 0.01 | 1 | 140 | 6 | <5 | <20 | 3 | 0.04 | <10 | 13 | <10 | 5 | 9 |
| 468 | 55+00N 8+75E #5145 | <0.2 | 0.17 | <5 | 10 | <5 | 0.03 | <1 | 2 | 3 | <1 | 0.32 | <10 | 0.02 | 22 | <1 | 0.01 | <1 | 80 | 4 | <5 | <20 | <1 | 0.03 | <10 | 13 | <10 | 3 | 6 |
| 469 | 55+00N 9+00E #5144 | 0.2 | 5.70 | <5 | 25 | 10 | 0.05 | <1 | 5 | 25 | 7 | 2.33 | 20 | 0.10 | 28 | <1 | <0.01 | 7 | 700 | 40 | <5 | <20 | 3 | 0.08 | <10 | 24 | <10 | 8 | 19 |
| 470 | 55+00N 9+25E #5143 | <0.2 | 1.94 | <5 | 20 | 5 | 0.08 | <1 | 4 | 11 | 3 | 1.61 | 10 | 0.04 | 10 | <1 | 0.02 | 2 | 240 | 18 | <5 | <20 | 5 | 0.07 | <10 | 25 | <10 | 7 | 9 |
| 471 | 55+00N 9+50E #5142 | <0.2 | 0.38 | <5 | 10 | <5 | 0.02 | <1 | 2 | 3 | 1 | 0.34 | <10 | 0.02 | 13 | <1 | 0.01 | <1 | 80 | 6 | <5 | <20 | <1 | 0.03 | <10 | 12 | <10 | 4 | 5 |
| 472 | 55+00N 9+75E #5141 | <0.2 | 1.66 | <5 | 35 | 5 | 0.07 | <1 | 5 | 20 | 6 | 2.44 | 20 | 0.15 | 45 | <1 | <0.01 | 5 | 750 | 22 | <5 | <20 | 6 | 0.07 | <10 | 30 | <10 | 5 | 31 |
| 473 | 55+00N 10+00E #5176 | <0.2 | 0.20 | <5 | <5 | <5 | 0.02 | <1 | 2 | 2 | 1 | 0.28 | <10 | 0.01 | 14 | <1 | 0.02 | <1 | 110 | 6 | <5 | <20 | <1 | 0.05 | <10 | 11 | <10 | 6 | 5 |
| 474 | 55+00N 10+25E #5177 | <0.2 | 0.82 | <5 | 25 | <5 | 0.07 | <1 | 3 | 11 | 3 | 0.91 | 10 | 0.14 | 47 | <1 | 0.01 | 3 | 520 | 8 | <5 | <20 | 4 | 0.03 | <10 | 17 | <10 | 4 | 16 |
| 475 | 55+00N 10+50E #5178 | <0.2 | 1.12 | <5 | 30 | <5 | 0.04 | <1 | 5 | 17 | 4 | 1.78 | 10 | 0.16 | 33 | <1 | <0.01 | 6 | 240 | 12 | <5 | <20 | 2 | 0.08 | <10 | 37 | <10 | 8 | 24 |
| 476 | 55+00N 10+75E #5179 | <0.2 | 0.70 | <5 | 40 | <5 | 0.08 | <1 | 6 | 18 | 8 | 1.86 | 10 | 0.14 | 290 | <1 | <0.01 | 6 | 370 | 12 | <5 | <20 | 3 | 0.11 | <10 | 42 | <10 | 9 | 24 |
| 477 | 55+00N 11+00E #5180 | <0.2 | 0.46 | <5 | 15 | <5 | 0.03 | <1 | 4 | 7 | 3 | 0.71 | <10 | 0.04 | 28 | <1 | 0.01 | 2 | 220 | 10 | <5 | <20 | <1 | 0.10 | <10 | 22 | <10 | 10 | 9 |
| 478 | 55+00N 11+25E #5181 | <0.2 | 4.58 | <5 | 25 | 15 | 0.03 | <1 | 5 | 29 | 8 | 3.00 | 20 | 0.06 | <1 | <1 | <0.01 | 6 | 1200 | 34 | <5 | <20 | 2 | 0.10 | <10 | 47 | <10 | 11 | 11 |
| 479 | 55+00N 11+50E #5182 | <0.2 | 2.08 | <5 | 30 | <5 | 0.05 | <1 | 5 | 15 | 16 | 1.26 | 20 | 0.18 | 50 | <1 | <0.01 | 7 | 310 | 24 | <5 | <20 | 3 | 0.04 | <10 | 22 | <10 | 9 | 26 |
| 480 | 55+00N 11+75E #5183 | <0.2 | 1.77 | <5 | 20 | 5 | 0.03 | <1 | 5 | 15 | 8 | 2.13 | 20 | 0.15 | 34 | <1 | <0.01 | 4 | 190 | 18 | <5 | <20 | <1 | 0.08 | <10 | 34 | <10 | 9 | 16 |

RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

ECO TECH LABORATORY LTD.

| El #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|------------------------|------|------|----|-----|----|------|----|----|----|----|------|-----|------|-----|----|-------|----|-----|----|----|-----|----|------|-----|----|-----|----|----|
| 481 | 55+00N 12+00E #5184 | 0.2 | 1.68 | <5 | 75 | 5 | 0.15 | <1 | 4 | 13 | 18 | 0.61 | 30 | 0.19 | 59 | 1 | <0.01 | 9 | 290 | 38 | 5 | <20 | 11 | 0.04 | 20 | 21 | <10 | 36 | 36 |
| 482 | 55+00N 12+25E #5185 | <0.2 | 5.79 | <5 | 20 | 15 | 0.04 | <1 | 8 | 23 | 9 | 3.39 | 20 | 0.07 | <1 | <1 | 0.01 | 5 | 380 | 46 | 5 | <20 | 1 | 0.18 | <10 | 45 | <10 | 19 | 15 |
| 483 | 55+00N 12+50E #5186 | <0.2 | 1.21 | <5 | 30 | 5 | 0.06 | <1 | 6 | 17 | 8 | 2.31 | 20 | 0.17 | 45 | <1 | <0.01 | 5 | 440 | 14 | 5 | <20 | 3 | 0.09 | <10 | 37 | <10 | 9 | 21 |
| 484 | 55+00N 12+75E #5187 | <0.2 | 0.80 | <5 | 10 | 5 | 0.03 | <1 | 4 | 6 | 3 | 1.09 | <10 | 0.03 | 5 | <1 | 0.02 | 2 | 210 | 12 | 5 | <20 | <1 | 0.10 | <10 | 20 | <10 | 9 | 8 |
| 485 | 55+00N 13+00E #5188 | <0.2 | 0.21 | <5 | 25 | 5 | 0.06 | <1 | 2 | 4 | 3 | 0.39 | <10 | 0.03 | 64 | <1 | <0.01 | 1 | 170 | 6 | 5 | <20 | 4 | 0.04 | <10 | 11 | <10 | 4 | 9 |
| 486 | 55+50N 5+75E #5158 | 0.4 | 2.89 | <5 | 85 | 5 | 0.36 | <1 | 12 | 27 | 30 | 2.77 | 40 | 0.30 | 593 | <1 | 0.02 | 24 | 490 | 32 | 5 | <20 | 31 | 0.10 | <10 | 35 | <10 | 36 | 66 |
| 487 | 55+50N 6+00E #5159 | <0.2 | 1.51 | <5 | 45 | 5 | 0.23 | <1 | 5 | 15 | 28 | 1.65 | 30 | 0.16 | 81 | <1 | 0.01 | 9 | 300 | 20 | 5 | <20 | 19 | 0.05 | <10 | 20 | <10 | 22 | 21 |
| 488 | 55+50N 6+25E #5160 | 0.9 | 2.67 | <5 | 120 | 5 | 0.30 | <1 | 15 | 31 | 22 | 3.07 | 30 | 0.34 | 349 | <1 | 0.02 | 23 | 410 | 44 | 5 | <20 | 29 | 0.10 | <10 | 41 | <10 | 26 | 75 |
| 489 | 55+50N 6+50E #5161 | <0.2 | 2.42 | <5 | 35 | 5 | 0.09 | <1 | 4 | 16 | 5 | 1.93 | 10 | 0.06 | 24 | <1 | 0.01 | 4 | 260 | 18 | 5 | <20 | 7 | 0.07 | <10 | 33 | <10 | 9 | 12 |
| 490 | 55+50N 6+75E #5162 | <0.2 | 0.56 | <5 | 30 | 5 | 0.10 | <1 | 5 | 11 | 4 | 1.48 | 10 | 0.15 | 52 | <1 | <0.01 | 5 | 450 | 8 | 5 | <20 | 6 | 0.09 | <10 | 26 | <10 | 9 | 23 |
| 491 | 55+50N 7+00E #5163 | <0.2 | 0.95 | <5 | 45 | 5 | 0.23 | <1 | 9 | 19 | 13 | 1.29 | 20 | 0.33 | 193 | <1 | 0.01 | 14 | 410 | 10 | 5 | <20 | 10 | 0.05 | <10 | 19 | <10 | 13 | 30 |
| 492 | 55+50N 7+25E #5164 | <0.2 | 2.25 | <5 | 35 | 5 | 0.06 | <1 | 5 | 13 | 5 | 1.66 | 10 | 0.07 | 83 | <1 | 0.01 | 3 | 340 | 16 | 5 | <20 | 5 | 0.08 | <10 | 29 | <10 | 8 | 18 |
| 493 | 55+50N 7+50E #5165 | <0.2 | 1.00 | <5 | 35 | 5 | 0.09 | <1 | 6 | 18 | 5 | 1.64 | 10 | 0.24 | 183 | <1 | <0.01 | 6 | 230 | 10 | 5 | <20 | 3 | 0.08 | <10 | 37 | <10 | 8 | 32 |
| 494 | 55+50N 7+75E #5166 | 0.4 | 1.95 | <5 | 45 | 5 | 0.08 | <1 | 11 | 25 | 7 | 3.66 | 20 | 0.27 | 225 | <1 | <0.01 | 8 | 890 | 14 | 5 | <20 | 3 | 0.10 | <10 | 82 | <10 | 8 | 52 |
| 495 | 55+50N 8+00E #5167 | 0.2 | 2.50 | <5 | 40 | 5 | 0.05 | <1 | 5 | 22 | 7 | 1.75 | 10 | 0.19 | 84 | <1 | <0.01 | 7 | 480 | 22 | 5 | <20 | 2 | 0.05 | <10 | 23 | <10 | 7 | 32 |
| 496 | 55+50N 8+25E #5168 | 0.2 | 1.82 | <5 | 80 | 5 | 0.10 | <1 | 8 | 26 | 11 | 1.99 | 20 | 0.37 | 178 | <1 | 0.01 | 13 | 620 | 18 | 5 | <20 | 4 | 0.05 | <10 | 27 | <10 | 8 | 48 |
| 497 | 55+50N 8+50E #5169 | <0.2 | 1.77 | <5 | 80 | 5 | 0.17 | <1 | 9 | 32 | 11 | 2.28 | 20 | 0.54 | 253 | <1 | 0.01 | 18 | 300 | 16 | 5 | <20 | 12 | 0.05 | <10 | 27 | <10 | 11 | 69 |
| 498 | 55+50N 8+75E #5170 | 0.2 | 1.04 | <5 | 50 | 5 | 0.09 | <1 | 5 | 12 | 7 | 1.67 | 20 | 0.09 | 37 | <1 | 0.01 | 4 | 310 | 18 | 5 | <20 | 8 | 0.08 | <10 | 23 | <10 | 13 | 23 |
| 499 | 55+50N 9+00E #5171 | <0.2 | 2.49 | <5 | 70 | 5 | 0.09 | <1 | 8 | 29 | 11 | 2.63 | 20 | 0.43 | 161 | <1 | 0.01 | 13 | 950 | 22 | 5 | <20 | 5 | 0.08 | <10 | 37 | <10 | 8 | 55 |
| 500 | 55+50N 9+25E #5172 | <0.2 | 0.40 | <5 | 20 | 5 | 0.04 | <1 | 4 | 7 | 3 | 0.92 | <10 | 0.07 | 34 | <1 | 0.02 | 1 | 400 | 10 | 5 | <20 | 4 | 0.09 | <10 | 24 | <10 | 9 | 10 |
| 501 | 55+50N 9+50E #5173 | <0.2 | 1.23 | <5 | 30 | 5 | 0.05 | <1 | 3 | 10 | 5 | 1.22 | <10 | 0.06 | 21 | <1 | 0.01 | 2 | 460 | 12 | 5 | <20 | 4 | 0.04 | <10 | 19 | <10 | 4 | 15 |
| 502 | 55+50N 9+75E #5174 | <0.2 | 1.43 | <5 | 30 | 5 | 0.05 | <1 | 4 | 13 | 6 | 1.50 | 10 | 0.14 | 62 | <1 | <0.01 | 3 | 350 | 14 | 5 | <20 | 4 | 0.06 | <10 | 25 | <10 | 7 | 24 |
| 503 | 55+50N 10+00E BL #5175 | <0.2 | 0.35 | <5 | 15 | 5 | 0.03 | <1 | 3 | 5 | 3 | 0.84 | <10 | 0.04 | 42 | <1 | 0.01 | 2 | 190 | 6 | 5 | <20 | <1 | 0.05 | <10 | 19 | <10 | 6 | 11 |
| 504 | 55+50N 10+25E #5200 | <0.2 | 1.23 | <5 | 35 | 5 | 0.05 | <1 | 5 | 11 | 7 | 1.67 | 10 | 0.08 | 28 | <1 | <0.01 | 4 | 320 | 16 | 5 | <20 | 3 | 0.10 | <10 | 25 | <10 | 11 | 14 |
| 505 | 55+50N 10+50E #5199 | <0.2 | 0.15 | <5 | 15 | 5 | 0.03 | <1 | 2 | 3 | 2 | 0.35 | <10 | 0.02 | 27 | <1 | 0.01 | <1 | 110 | 4 | 5 | <20 | 1 | 0.03 | <10 | 12 | <10 | 3 | 7 |
| 506 | 55+50N 10+75E #5198 | 0.2 | 2.71 | <5 | 30 | 5 | 0.05 | <1 | 5 | 22 | 8 | 2.10 | 20 | 0.21 | 69 | <1 | <0.01 | 7 | 540 | 24 | 5 | <20 | 2 | 0.04 | <10 | 22 | <10 | 5 | 35 |
| 507 | 55+50N 11+00E #5197 | <0.2 | 0.19 | <5 | 10 | 5 | 0.02 | <1 | 2 | 4 | 2 | 0.42 | <10 | 0.02 | 19 | <1 | 0.02 | <1 | 70 | 2 | 5 | <20 | 1 | 0.03 | <10 | 14 | <10 | 2 | 8 |
| 508 | 55+50N 11+25E #5196 | 0.3 | 2.72 | <5 | 35 | 5 | 0.05 | <1 | 8 | 42 | 25 | 1.58 | 10 | 0.16 | 40 | <1 | 0.01 | 13 | 430 | 34 | 5 | <20 | 4 | 0.10 | <10 | 26 | <10 | 13 | 22 |
| 509 | 55+50N 11+50E #5195 | <0.2 | 0.17 | <5 | 10 | 5 | 0.03 | <1 | 3 | 4 | 5 | 0.42 | <10 | 0.03 | 63 | <1 | 0.02 | 1 | 170 | 8 | 5 | <20 | 2 | 0.06 | <10 | 17 | <10 | 5 | 9 |
| 510 | 55+50N 11+75E #5194 | <0.2 | 0.18 | <5 | 10 | 5 | 0.03 | <1 | 2 | 4 | 3 | 0.37 | <10 | 0.03 | 44 | <1 | 0.01 | <1 | 130 | 2 | 5 | <20 | <1 | 0.02 | <10 | 13 | <10 | 3 | 7 |
| 511 | 55+50N 12+00E #5193 | <0.2 | 0.24 | <5 | 30 | 5 | 0.06 | <1 | 3 | 7 | 5 | 0.54 | <10 | 0.08 | 88 | <1 | 0.01 | 2 | 160 | 8 | 5 | <20 | 3 | 0.06 | <10 | 15 | <10 | 6 | 11 |
| 512 | 55+50N 12+25E #5192 | 0.4 | 0.79 | <5 | 50 | 5 | 0.09 | <1 | 7 | 13 | 6 | 1.60 | 20 | 0.16 | 182 | <1 | 0.01 | 5 | 230 | 12 | 5 | <20 | 8 | 0.08 | <10 | 26 | <10 | 12 | 23 |
| 513 | 55+50N 12+50E #5191 | <0.2 | 1.64 | <5 | 25 | 5 | 0.04 | <1 | 4 | 9 | 4 | 1.25 | <10 | 0.03 | 12 | <1 | 0.01 | 3 | 290 | 12 | 5 | <20 | 2 | 0.06 | <10 | 23 | <10 | 6 | 9 |
| 514 | 55+50N 12+75E #5190 | <0.2 | 0.33 | <5 | 10 | 5 | 0.03 | <1 | 3 | 5 | 3 | 0.60 | 10 | 0.05 | 26 | <1 | <0.01 | 1 | 130 | 6 | 5 | <20 | 1 | 0.05 | <10 | 16 | <10 | 7 | 10 |
| 515 | 55+50N 13+00E #5189 | <0.2 | 0.13 | <5 | 20 | 5 | 0.02 | <1 | 1 | 2 | 2 | 0.23 | <10 | 0.01 | 13 | <1 | 0.01 | <1 | 90 | 4 | 5 | <20 | 2 | 0.02 | <10 | 9 | <10 | 2 | 6 |

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|--------------|------|------|----|-----|----|------|----|----|----|----|------|-----|------|------|----|-------|----|------|----|----|-----|----|------|-----|----|-----|----|----|
| 516 | 56+00N 5+00E | 0.4 | 4.48 | <5 | 130 | 10 | 0.12 | <1 | 11 | 41 | 32 | 3.10 | 30 | 0.51 | 252 | <1 | 0.02 | 28 | 730 | 42 | <5 | <20 | 14 | 0.07 | <10 | 45 | <10 | 16 | 74 |
| 517 | 56+00N 5+25E | 0.2 | 2.42 | <5 | 40 | 5 | 0.05 | <1 | 8 | 16 | 15 | 2.14 | 10 | 0.07 | 99 | <1 | <0.01 | 5 | 500 | 22 | <5 | <20 | 3 | 0.11 | <10 | 36 | <10 | 11 | 20 |
| 518 | 56+00N 5+50E | <0.2 | 0.27 | <5 | 10 | <5 | 0.02 | <1 | 2 | 3 | 2 | 0.26 | <10 | 0.01 | 22 | <1 | 0.02 | <1 | 120 | 8 | <5 | <20 | <1 | 0.04 | <10 | 9 | <10 | 5 | 8 |
| 519 | 56+00N 5+75E | <0.2 | 0.80 | <5 | 25 | <5 | 0.08 | <1 | 5 | 17 | 5 | 1.39 | 20 | 0.28 | 286 | <1 | <0.01 | 7 | 590 | 10 | <5 | <20 | 2 | 0.04 | <10 | 20 | <10 | 7 | 27 |
| 520 | 56+00N 6+00E | <0.2 | 0.50 | <5 | 30 | <5 | 0.05 | <1 | 4 | 9 | 3 | 1.09 | 10 | 0.10 | 35 | <1 | 0.01 | 3 | 180 | 12 | <5 | <20 | 2 | 0.10 | <10 | 29 | <10 | 11 | 15 |
| 521 | 56+00N 6+25E | 0.3 | 2.84 | <5 | 85 | 10 | 0.50 | <1 | 12 | 23 | 16 | 2.06 | 40 | 0.25 | 1240 | <1 | 0.01 | 16 | 1020 | 32 | <5 | <20 | 37 | 0.04 | <10 | 32 | <10 | 32 | 53 |
| 522 | 56+00N 6+50E | <0.2 | 0.48 | <5 | 15 | <5 | 0.04 | <1 | 3 | 5 | 3 | 0.63 | <10 | 0.03 | 40 | <1 | 0.01 | 1 | 140 | 12 | <5 | <20 | 3 | 0.07 | <10 | 20 | <10 | 8 | 10 |
| 523 | 56+00N 6+75E | <0.2 | 1.85 | <5 | 75 | <5 | 0.17 | <1 | 8 | 25 | 9 | 1.86 | 20 | 0.33 | 324 | <1 | 0.01 | 15 | 480 | 18 | <5 | <20 | 9 | 0.07 | <10 | 29 | <10 | 12 | 45 |
| 524 | 56+00N 7+00E | <0.2 | 2.62 | <5 | 40 | 10 | 0.07 | <1 | 7 | 27 | 9 | 2.70 | 20 | 0.21 | 153 | <1 | 0.01 | 9 | 610 | 20 | <5 | <20 | 3 | 0.09 | <10 | 38 | <10 | 10 | 39 |
| 525 | 56+00N 7+25E | <0.2 | 0.49 | <5 | 20 | <5 | 0.03 | <1 | 4 | 9 | 3 | 1.10 | <10 | 0.10 | 113 | <1 | 0.01 | 2 | 170 | 8 | <5 | <20 | 1 | 0.06 | <10 | 24 | <10 | 6 | 15 |
| 526 | 56+00N 7+50E | 0.2 | 3.91 | <5 | 35 | 5 | 0.07 | <1 | 5 | 19 | 11 | 2.15 | 10 | 0.10 | 80 | <1 | 0.01 | 6 | 1320 | 32 | <5 | <20 | 2 | 0.09 | <10 | 25 | <10 | 9 | 22 |
| 527 | 56+50N 5+00E | <0.2 | 1.51 | <5 | 135 | <5 | 0.24 | <1 | 13 | 55 | 15 | 1.78 | 20 | 0.61 | 258 | <1 | 0.02 | 36 | 580 | 16 | <5 | <20 | 8 | 0.09 | <10 | 27 | <10 | 14 | 52 |
| 528 | 56+50N 5+25E | <0.2 | 0.20 | <5 | 15 | <5 | 0.09 | <1 | 2 | 3 | 1 | 0.23 | <10 | 0.02 | 36 | <1 | 0.01 | 1 | 140 | 8 | <5 | <20 | 3 | 0.04 | <10 | 10 | <10 | 5 | 5 |
| 529 | 56+50N 5+50E | <0.2 | 0.22 | <5 | 10 | <5 | 0.03 | <1 | 1 | 2 | <1 | 0.19 | <10 | 0.01 | 16 | <1 | 0.01 | <1 | 80 | 6 | <5 | <20 | 1 | 0.02 | <10 | 8 | <10 | 4 | 4 |
| 530 | 56+50N 5+75E | <0.2 | 0.78 | <5 | 50 | <5 | 0.20 | <1 | 5 | 12 | 8 | 1.10 | <10 | 0.22 | 157 | <1 | 0.01 | 9 | 460 | 12 | <5 | <20 | 7 | 0.04 | <10 | 16 | <10 | 5 | 31 |
| 531 | 56+50N 6+00E | <0.2 | 1.69 | <5 | 45 | 5 | 0.09 | <1 | 7 | 18 | 7 | 1.69 | 20 | 0.24 | 115 | <1 | 0.01 | 9 | 340 | 18 | <5 | <20 | 3 | 0.05 | <10 | 26 | <10 | 8 | 52 |
| 532 | 56+50N 6+25E | <0.2 | 0.82 | <5 | 45 | <5 | 0.20 | <1 | 11 | 21 | 15 | 1.66 | 40 | 0.43 | 489 | <1 | <0.01 | 14 | 600 | 10 | <5 | <20 | 6 | 0.03 | <10 | 25 | <10 | 16 | 41 |
| 533 | 56+50N 6+50E | <0.2 | 1.42 | <5 | 75 | <5 | 0.24 | <1 | 12 | 29 | 19 | 2.20 | 30 | 0.57 | 399 | <1 | 0.02 | 17 | 500 | 24 | <5 | <20 | 17 | 0.07 | <10 | 29 | <10 | 17 | 60 |
| 534 | 56+50N 6+75E | <0.2 | 1.25 | <5 | 45 | <5 | 0.10 | <1 | 6 | 20 | 7 | 1.64 | 20 | 0.35 | 143 | <1 | <0.01 | 10 | 310 | 14 | <5 | <20 | 4 | 0.05 | <10 | 23 | <10 | 8 | 37 |
| 535 | 56+50N 7+00E | 0.3 | 3.87 | <5 | 125 | <5 | 0.17 | <1 | 20 | 44 | 35 | 3.28 | 40 | 0.42 | 429 | <1 | 0.01 | 29 | 430 | 70 | <5 | <20 | 15 | 0.08 | 10 | 40 | <10 | 51 | 69 |
| 536 | 56+50N 7+25E | 0.2 | 1.85 | <5 | 30 | <5 | 0.04 | <1 | 3 | 11 | 6 | 1.28 | <10 | 0.04 | 28 | <1 | 0.01 | 3 | 330 | 16 | <5 | <20 | 3 | 0.05 | <10 | 20 | <10 | 7 | 10 |
| 537 | 56+50N 7+50E | <0.2 | 2.14 | <5 | 40 | <5 | 0.08 | <1 | 6 | 23 | 7 | 2.02 | 20 | 0.30 | 115 | <1 | <0.01 | 9 | 300 | 18 | <5 | <20 | 2 | 0.05 | <10 | 29 | <10 | 8 | 47 |
| 538 | 57+00N 5+00E | <0.2 | 1.70 | <5 | 80 | <5 | 0.12 | <1 | 10 | 25 | 10 | 1.59 | 20 | 0.39 | 149 | <1 | 0.01 | 18 | 350 | 16 | <5 | <20 | 4 | 0.07 | <10 | 23 | <10 | 13 | 48 |
| 539 | 57+00N 5+25E | <0.2 | 0.53 | <5 | 35 | 5 | 0.08 | <1 | 5 | 16 | 4 | 1.15 | 10 | 0.19 | 57 | <1 | <0.01 | 5 | 380 | 6 | <5 | <20 | 4 | 0.06 | <10 | 24 | <10 | 7 | 27 |
| 540 | 57+00N 5+50E | <0.2 | 1.67 | <5 | 240 | <5 | 0.19 | <1 | 13 | 37 | 12 | 2.05 | 20 | 0.73 | 205 | <1 | 0.02 | 26 | 650 | 18 | <5 | <20 | 10 | 0.11 | <10 | 35 | <10 | 13 | 45 |
| 541 | 57+00N 5+75E | <0.2 | 2.40 | <5 | 55 | <5 | 0.09 | <1 | 5 | 17 | 4 | 1.94 | 10 | 0.14 | 215 | <1 | <0.01 | 7 | 610 | 24 | <5 | <20 | 5 | 0.07 | <10 | 28 | <10 | 7 | 43 |
| 542 | 57+00N 6+00E | <0.2 | 0.11 | <5 | 5 | <5 | 0.02 | <1 | 1 | 2 | <1 | 0.22 | <10 | 0.01 | 16 | <1 | 0.02 | <1 | 70 | <2 | <5 | <20 | 1 | 0.02 | <10 | 8 | <10 | 1 | 4 |
| 543 | 57+00N 6+25E | <0.2 | 1.14 | <5 | 25 | <5 | 0.03 | <1 | 3 | 12 | 5 | 1.57 | 10 | 0.14 | 59 | <1 | <0.01 | 3 | 410 | 14 | <5 | <20 | <1 | 0.02 | <10 | 22 | <10 | 3 | 25 |
| 544 | 57+00N 6+50E | <0.2 | 2.86 | <5 | 35 | <5 | 0.09 | <1 | 6 | 29 | 10 | 2.69 | 20 | 0.31 | 110 | <1 | <0.01 | 11 | 600 | 54 | <5 | <20 | 3 | 0.04 | <10 | 31 | <10 | 7 | 46 |
| 545 | 57+00N 6+75E | <0.2 | 1.61 | <5 | 30 | <5 | 0.07 | <1 | 5 | 11 | 7 | 1.34 | 20 | 0.11 | 75 | <1 | 0.01 | 4 | 340 | 22 | <5 | <20 | 5 | 0.05 | <10 | 23 | <10 | 11 | 19 |
| 546 | 57+00N 7+00E | <0.2 | 0.47 | <5 | 10 | <5 | 0.02 | <1 | 2 | 4 | 3 | 0.59 | <10 | 0.02 | 17 | <1 | 0.01 | <1 | 100 | 6 | <5 | <20 | <1 | 0.04 | <10 | 16 | <10 | 5 | 8 |
| 547 | 57+00N 7+25E | <0.2 | 1.86 | <5 | 70 | <5 | 0.08 | <1 | 7 | 23 | 9 | 2.89 | 20 | 0.23 | 59 | <1 | <0.01 | 6 | 250 | 18 | <5 | <20 | 9 | 0.09 | <10 | 37 | <10 | 10 | 30 |
| 548 | 57+00N 7+50E | <0.2 | 3.03 | <5 | 55 | 5 | 0.26 | <1 | 6 | 25 | 8 | 2.67 | 20 | 0.26 | 119 | <1 | <0.01 | 8 | 460 | 18 | <5 | <20 | 15 | 0.07 | <10 | 29 | <10 | 8 | 43 |
| 549 | 57+50N 5+00E | <0.2 | 1.91 | <5 | 90 | 5 | 0.15 | <1 | 10 | 28 | 14 | 2.11 | 20 | 0.49 | 223 | <1 | 0.01 | 16 | 440 | 18 | <5 | <20 | 6 | 0.09 | <10 | 29 | <10 | 12 | 53 |
| 550 | 57+50N 5+25E | <0.2 | 3.96 | <5 | 40 | 10 | 0.06 | <1 | 6 | 27 | 7 | 2.54 | 20 | 0.26 | 88 | <1 | <0.01 | 12 | 770 | 26 | <5 | <20 | 2 | 0.07 | <10 | 31 | <10 | 8 | 44 |

RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

ECO TECH LABORATORY LTD.

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Cs % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|--------------------|------|------|----|-----|----|------|----|----|----|----|------|-----|-------|------|----|-------|----|------|----|----|-----|----|-------|-----|-----|-----|----|----|
| 551 | 57+50N 5+50E | <0.2 | 2.99 | <5 | 50 | <5 | 0.07 | <1 | 7 | 23 | 9 | 1.95 | 20 | 0.26 | 101 | <1 | <0.01 | 10 | 380 | 20 | <5 | <20 | 3 | 0.06 | <10 | 26 | <10 | 10 | 50 |
| 552 | 57+50N 5+75E | <0.2 | 2.80 | <5 | 60 | 10 | 0.08 | <1 | 6 | 21 | 5 | 2.14 | 20 | 0.18 | 131 | 2 | <0.01 | 7 | 580 | 24 | <5 | <20 | 6 | 0.07 | <10 | 36 | <10 | 7 | 52 |
| 553 | 57+50N 6+00E | <0.2 | 2.04 | <5 | 50 | 5 | 0.08 | <1 | 5 | 17 | 4 | 1.94 | 10 | 0.14 | 154 | 2 | <0.01 | 6 | 550 | 20 | <5 | <20 | 4 | 0.06 | <10 | 35 | <10 | 6 | 42 |
| 554 | 57+50N 6+25E | <0.2 | 0.48 | <5 | 30 | <5 | 0.04 | <1 | 2 | 5 | 3 | 0.70 | <10 | 0.04 | 94 | <1 | 0.01 | <1 | 400 | 6 | <5 | <20 | 2 | 0.02 | <10 | 15 | <10 | 2 | 23 |
| 555 | 57+50N 6+50E | <0.2 | 0.27 | <5 | 10 | <5 | 0.07 | <1 | 1 | 3 | 1 | 0.34 | <10 | 0.03 | 82 | <1 | 0.01 | 1 | 220 | 8 | <5 | <20 | 2 | 0.02 | <10 | 10 | <10 | 3 | 17 |
| 556 | 57+50N 6+75E | <0.2 | 1.19 | <5 | 30 | <5 | 0.07 | <1 | 3 | 10 | 6 | 1.14 | <10 | 0.08 | 373 | <1 | 0.01 | 4 | 680 | 16 | <5 | <20 | 3 | 0.03 | <10 | 18 | <10 | 3 | 34 |
| 557 | 57+50N 7+00E | <0.2 | 0.14 | <5 | 75 | <5 | 0.28 | <1 | 2 | 3 | 4 | 0.25 | <10 | 0.03 | 539 | <1 | 0.02 | <1 | 230 | 4 | <5 | <20 | 17 | 0.03 | <10 | 9 | <10 | 2 | 33 |
| 558 | 57+50N 7+25E | <0.2 | 2.46 | <5 | 85 | <5 | 0.33 | <1 | 14 | 20 | 18 | 1.95 | 40 | 0.24 | 1264 | <1 | 0.01 | 13 | 1050 | 32 | <5 | <20 | 23 | 0.04 | <10 | 24 | <10 | 33 | 66 |
| 559 | 57+50N 7+50E | <0.2 | 1.37 | <5 | 80 | <5 | 0.26 | <1 | 4 | 14 | 18 | 0.62 | 30 | 0.21 | 145 | <1 | 0.01 | 8 | 490 | 26 | <5 | <20 | 19 | 0.03 | <10 | 11 | <10 | 22 | 39 |
| 560 | 58+00N 5+00E | <0.2 | 2.02 | <5 | 60 | <5 | 0.09 | <1 | 7 | 22 | 8 | 2.16 | 20 | 0.27 | 114 | <1 | <0.01 | 8 | 400 | 18 | <5 | <20 | 5 | 0.07 | <10 | 33 | <10 | 10 | 41 |
| 561 | 58+00N 5+50E | 0.2 | 0.99 | <5 | 20 | <5 | 0.05 | <1 | 4 | 11 | 4 | 1.48 | <10 | 0.09 | 39 | <1 | <0.01 | 3 | 460 | 14 | <5 | <20 | 3 | 0.06 | <10 | 39 | <10 | 7 | 20 |
| 562 | 58+00N 5+75E | <0.2 | 0.12 | <5 | 5 | <5 | 0.03 | <1 | <1 | 1 | <1 | 0.11 | <10 | <0.01 | 15 | <1 | <0.01 | <1 | 70 | 2 | <5 | <20 | 1 | <0.01 | <10 | 5 | <10 | 2 | 3 |
| 563 | 58+00N 6+00E | <0.2 | 2.83 | <5 | 50 | <5 | 0.08 | <1 | 7 | 24 | 10 | 2.36 | <10 | 0.24 | 265 | <1 | <0.01 | 8 | 1060 | 12 | <5 | <20 | 6 | 0.05 | <10 | 35 | <10 | 6 | 50 |
| 564 | 58+00N 6+25E | <0.2 | 2.29 | <5 | 40 | <5 | 0.09 | <1 | 7 | 23 | 7 | 2.22 | 10 | 0.23 | 158 | <1 | <0.01 | 8 | 610 | 14 | <5 | <20 | 6 | 0.05 | <10 | 38 | <10 | 6 | 38 |
| 565 | 58+00N 6+50E | <0.2 | 2.23 | <5 | 40 | 5 | 0.08 | <1 | 7 | 26 | 7 | 3.18 | 10 | 0.25 | 122 | <1 | <0.01 | 9 | 800 | 18 | <5 | <20 | 4 | 0.06 | <10 | 50 | <10 | 6 | 41 |
| 566 | 58+00N 6+75E | <0.2 | 1.62 | <5 | 35 | <5 | 0.06 | <1 | 5 | 17 | 5 | 1.98 | 10 | 0.15 | 106 | <1 | <0.01 | 5 | 570 | 14 | <5 | <20 | 3 | 0.04 | <10 | 33 | <10 | 5 | 31 |
| 567 | 58+00N 7+00E | <0.2 | 2.48 | <5 | 40 | <5 | 0.08 | <1 | 6 | 24 | 7 | 2.46 | 10 | 0.23 | 149 | <1 | <0.01 | 9 | 630 | 16 | <5 | <20 | 6 | 0.05 | <10 | 41 | <10 | 6 | 43 |
| 568 | 58+00N 7+25E | <0.2 | 0.47 | <5 | 20 | <5 | 0.05 | <1 | 5 | 11 | 3 | 0.70 | <10 | 0.15 | 98 | <1 | <0.01 | 5 | 210 | 10 | <5 | <20 | 2 | 0.07 | <10 | 27 | <10 | 8 | 15 |
| 569 | 58+00N 7+50E | 0.2 | 1.97 | <5 | 330 | 15 | 0.13 | <1 | 24 | 86 | 10 | 4.60 | 10 | 1.86 | 267 | <1 | 0.02 | 58 | 660 | 10 | <5 | <20 | 13 | 0.23 | <10 | 122 | <10 | 22 | 56 |
| 570 | 58+50N 5+25E | <0.2 | 0.08 | <5 | <5 | <5 | 0.02 | <1 | <1 | 2 | <1 | 0.21 | <10 | 0.01 | 11 | <1 | 0.01 | <1 | 50 | <2 | <5 | <20 | <1 | <0.01 | <10 | 8 | <10 | <1 | 4 |
| 571 | BL10E 55+25N #5140 | <0.2 | 0.15 | <5 | 5 | <5 | 0.02 | <1 | 2 | 3 | 2 | 0.34 | <10 | 0.02 | 18 | <1 | 0.01 | <1 | 100 | 4 | <5 | <20 | <1 | 0.02 | <10 | 13 | <10 | 2 | 6 |
| 572 | BL10E 55+75N #5139 | <0.2 | 0.40 | <5 | 10 | <5 | 0.04 | <1 | 3 | 6 | 2 | 1.05 | <10 | 0.04 | 20 | <1 | <0.01 | 2 | 260 | 8 | <5 | <20 | 2 | 0.05 | <10 | 26 | <10 | 5 | 10 |
| 573 | BL10E 56+25N #5138 | 0.2 | 1.17 | <5 | 45 | <5 | 0.08 | <1 | 6 | 18 | 7 | 2.10 | 10 | 0.22 | 216 | <1 | <0.01 | 8 | 390 | 16 | <5 | <20 | 7 | 0.03 | <10 | 29 | <10 | 7 | 43 |
| 574 | BL10E 56+75N #5137 | <0.2 | 0.87 | <5 | 15 | <5 | 0.03 | <1 | 3 | 14 | 5 | 1.83 | <10 | 0.16 | 57 | <1 | <0.01 | 5 | 280 | 8 | <5 | <20 | 2 | 0.02 | <10 | 38 | <10 | 1 | 20 |
| 575 | BL10E 57+25N #5136 | 0.4 | 2.45 | <5 | 70 | 5 | 0.07 | <1 | 10 | 29 | 26 | 3.24 | 20 | 0.32 | 114 | <1 | 0.01 | 14 | 300 | 36 | <5 | <20 | 6 | 0.09 | <10 | 47 | <10 | 15 | 58 |
| 576 | BL10E 57+75N #5135 | <0.2 | 0.90 | <5 | 35 | <5 | 0.15 | <1 | 7 | 19 | 6 | 2.67 | 10 | 0.23 | 70 | <1 | <0.01 | 6 | 400 | 10 | <5 | <20 | 10 | 0.07 | <10 | 56 | <10 | 7 | 48 |
| 577 | BL10E 58+25N #5134 | 0.3 | 2.80 | <5 | 45 | <5 | 0.05 | <1 | 5 | 19 | 9 | 3.07 | <10 | 0.09 | 114 | <1 | <0.01 | 6 | 460 | 20 | <5 | <20 | 3 | 0.06 | <10 | 45 | <10 | 6 | 23 |
| 578 | BL10E 58+75N #5133 | <0.2 | 0.74 | <5 | 15 | <5 | 0.04 | <1 | 3 | 10 | 4 | 1.51 | <10 | 0.08 | 27 | <1 | <0.01 | 3 | 190 | 8 | <5 | <20 | 2 | 0.04 | <10 | 33 | <10 | 5 | 17 |
| 579 | BL10E 59+25N #5132 | <0.2 | 0.37 | <5 | 10 | <5 | 0.02 | <1 | 3 | 5 | 2 | 0.80 | <10 | 0.03 | 16 | <1 | <0.01 | 1 | 120 | 6 | <5 | <20 | 1 | 0.04 | <10 | 20 | <10 | 3 | 8 |
| 580 | BL10E 59+75N #5131 | <0.2 | 1.00 | <5 | 35 | <5 | 0.04 | <1 | 7 | 20 | 7 | 3.05 | 10 | 0.14 | 34 | <1 | <0.01 | 5 | 360 | 14 | <5 | <20 | 3 | 0.08 | <10 | 68 | <10 | 7 | 30 |
| 581 | BL10E 60+25N #5130 | <0.2 | 4.70 | <5 | 40 | 5 | 0.10 | <1 | 5 | 25 | 11 | 3.06 | 10 | 0.14 | 32 | <1 | <0.01 | 7 | 380 | 20 | <5 | <20 | 7 | 0.06 | <10 | 31 | <10 | 12 | 21 |
| 582 | BL10E 60+75N #5129 | <0.2 | 1.77 | <5 | 35 | 5 | 0.04 | <1 | 5 | 14 | 6 | 2.01 | <10 | 0.14 | 60 | <1 | <0.01 | 6 | 330 | 14 | <5 | <20 | 2 | 0.06 | <10 | 33 | <10 | 6 | 33 |
| 583 | BL10E 61+25N #5128 | <0.2 | 2.23 | <5 | 35 | 5 | 0.07 | <1 | 7 | 20 | 9 | 2.48 | 10 | 0.31 | 98 | <1 | <0.01 | 7 | 350 | 16 | <5 | <20 | 4 | 0.05 | <10 | 34 | <10 | 9 | 39 |
| 584 | BL10E 61+75N #5127 | <0.2 | 1.07 | <5 | 25 | <5 | 0.05 | <1 | 5 | 18 | 6 | 2.77 | 10 | 0.17 | 54 | <1 | <0.01 | 5 | 520 | 10 | <5 | <20 | 3 | 0.06 | <10 | 49 | <10 | 6 | 24 |
| 585 | BL10E 62+25N #5126 | <0.2 | 1.11 | <5 | 45 | <5 | 0.10 | <1 | 4 | 12 | 8 | 1.28 | 10 | 0.20 | 77 | <1 | <0.01 | 6 | 300 | 14 | <5 | <20 | 6 | 0.03 | <10 | 20 | <10 | 7 | 28 |

RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

ECO TECH LABORATORY LTD.

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-------|-----------------------|------|------|----|----|----|------|----|----|----|----|------|-----|------|-----|----|-------|----|------|----|----|-----|----|------|-----|----|-----|----|-----|
| 586 | BL10E 62+75N #5125 | 0.2 | 1.16 | △ | 90 | <5 | 0.12 | <1 | 7 | 15 | 10 | 2.16 | 10 | 0.15 | 113 | <1 | <0.01 | 6 | 470 | 36 | <5 | <20 | 11 | 0.07 | <10 | 30 | <10 | 11 | 29 |
| 587 | BL10E 63+25N #5124 | <0.2 | 0.47 | △ | 25 | <5 | 0.03 | <1 | 2 | 4 | 3 | 0.43 | <10 | 0.02 | 12 | <1 | 0.01 | 1 | 160 | 16 | <5 | <20 | 2 | 0.03 | <10 | 12 | <10 | 4 | 7 |
| 588 | BL10E 63+75N #5123 | 0.3 | 1.20 | △ | 85 | <5 | 0.21 | <1 | 8 | 13 | 10 | 1.63 | 10 | 0.16 | 331 | <1 | 0.01 | 6 | 400 | 12 | <5 | <20 | 19 | 0.03 | <10 | 27 | <10 | 9 | 25 |
| 589 | BL10E 64+25N #5122 | <0.2 | 0.82 | △ | 25 | <5 | 0.06 | <1 | 3 | 9 | 5 | 1.08 | <10 | 0.11 | 80 | <1 | 0.01 | 2 | 390 | 6 | <5 | <20 | 4 | 0.02 | <10 | 19 | <10 | 3 | 17 |
| 590 | BL10E 64+75N #5121 | <0.2 | 1.37 | △ | 70 | <5 | 0.07 | <1 | 7 | 37 | 8 | 1.96 | 10 | 0.38 | 96 | <1 | 0.01 | 19 | 230 | 14 | <5 | <20 | 6 | 0.07 | <10 | 42 | <10 | 10 | 28 |
| 591 | BL11+25E 12+75N | 0.7 | 3.97 | △ | 15 | <5 | 0.05 | <1 | 3 | 16 | 10 | 1.47 | <10 | 0.07 | 8 | <1 | <0.01 | 5 | 820 | 18 | <5 | <20 | 2 | 0.04 | <10 | 30 | <10 | 7 | 11 |
| 592 | BL11+25E 41+00N #5243 | <0.2 | 2.12 | △ | 60 | <5 | 0.06 | <1 | 8 | 30 | 20 | 2.78 | 20 | 0.45 | 192 | <1 | <0.01 | 13 | 310 | 14 | <5 | <20 | 6 | 0.05 | <10 | 40 | <10 | 10 | 55 |
| 593 | BL11+25E 41+25N #5242 | 0.2 | 3.16 | △ | 65 | 5 | 0.05 | <1 | 14 | 30 | 24 | 2.78 | 20 | 0.32 | 809 | 2 | 0.01 | 13 | 290 | 26 | <5 | <20 | 5 | 0.07 | <10 | 44 | <10 | 22 | 43 |
| 594 | BL11+25E 41+50N #5283 | <0.2 | 2.85 | △ | 95 | <5 | 0.17 | <1 | 8 | 28 | 23 | 1.46 | 30 | 0.38 | 124 | <1 | 0.01 | 20 | 270 | 30 | <5 | <20 | 18 | 0.05 | <10 | 29 | <10 | 24 | 45 |
| 595 | BL11+25E 42+25N #5223 | 0.2 | 1.70 | △ | 20 | <5 | 0.09 | <1 | 5 | 22 | 7 | 3.01 | 10 | 0.20 | 61 | <1 | <0.01 | 7 | 2070 | 14 | <5 | <20 | 3 | 0.06 | <10 | 53 | <10 | 5 | 27 |
| 596 | BL11+25E 43+25N #5264 | 0.2 | 1.12 | △ | 35 | <5 | 0.15 | <1 | 6 | 17 | 9 | 2.37 | 20 | 0.19 | 62 | <1 | <0.01 | 5 | 610 | 18 | <5 | <20 | 6 | 0.09 | <10 | 41 | <10 | 9 | 78 |
| 597 | BL11+25E 43+75N #5274 | <0.2 | 2.22 | △ | 10 | <5 | 0.10 | <1 | 2 | 8 | 8 | 0.37 | 10 | 0.06 | 23 | <1 | 0.02 | 4 | 560 | 24 | <5 | <20 | 3 | 0.04 | <10 | 8 | <10 | 11 | 16 |
| 598 | BL11+25E 44+25N #5282 | 0.5 | 1.77 | △ | 35 | <5 | 0.09 | <1 | 5 | 16 | 20 | 2.63 | 40 | 0.12 | 76 | 2 | 0.02 | 5 | 620 | 34 | <5 | <20 | 7 | 0.06 | 20 | 30 | <10 | 39 | 46 |
| 599 | BL11+25E 44+75N #5281 | 0.3 | 1.38 | △ | 45 | 5 | 0.10 | <1 | 8 | 26 | 11 | 3.26 | 20 | 0.24 | 77 | <1 | <0.01 | 9 | 1750 | 26 | 5 | <20 | 3 | 0.12 | <10 | 51 | <10 | 11 | 43 |
| 600 | BL11+50E 42+50N | 2.4 | 2.36 | △ | 35 | 10 | 0.07 | <1 | 7 | 27 | 7 | 4.19 | 30 | 0.20 | 230 | <1 | <0.01 | 9 | 1140 | 56 | <6 | <20 | 3 | 0.05 | <10 | 46 | <10 | 8 | 281 |
| 601 | 7+50N 7+50E #5395 | 0.2 | 1.19 | △ | 30 | <5 | 0.06 | <1 | 4 | 12 | 8 | 1.63 | 20 | 0.17 | 149 | <1 | <0.01 | 4 | 380 | 12 | <5 | <20 | 3 | 0.01 | <10 | 27 | <10 | 2 | 25 |
| 602 | 5101 | <0.2 | 0.16 | △ | 10 | <5 | 0.02 | <1 | 2 | 2 | 1 | 0.29 | <10 | 0.02 | 21 | <1 | 0.02 | <1 | 90 | 4 | <5 | <20 | 1 | 0.03 | <10 | 11 | <10 | 3 | 8 |
| 603 | 5102 | 0.2 | 1.12 | △ | 50 | <5 | 0.04 | <1 | 6 | 25 | 5 | 1.93 | 20 | 0.13 | 25 | <1 | <0.01 | 4 | 730 | 12 | <5 | <20 | 4 | 0.10 | <10 | 38 | <10 | 9 | 19 |
| 604 | 5103 | <0.2 | 1.23 | △ | 35 | <5 | 0.04 | <1 | 6 | 19 | 6 | 2.76 | 20 | 0.23 | 58 | <1 | 0.01 | 6 | 1000 | 12 | <5 | <20 | 2 | 0.06 | <10 | 42 | <10 | 7 | 26 |
| 605 | 5104 | <0.2 | 0.18 | △ | 30 | <5 | 0.06 | <1 | 2 | 4 | 2 | 0.61 | <10 | 0.03 | 28 | <1 | 0.01 | 1 | 110 | 4 | <5 | <20 | 4 | 0.04 | <10 | 20 | <10 | 4 | 13 |
| 606 | 5106 | <0.2 | 0.27 | △ | 10 | <5 | 0.04 | <1 | 1 | 3 | 2 | 0.43 | <10 | 0.03 | 21 | <1 | <0.01 | <1 | 240 | 4 | <5 | <20 | 2 | 0.02 | <10 | 12 | <10 | 3 | 8 |
| 607 | 5107 | <0.2 | 1.38 | △ | 15 | <5 | 0.04 | <1 | 3 | 7 | 3 | 0.89 | <10 | 0.04 | 29 | <1 | 0.01 | 1 | 250 | 14 | <5 | <20 | 2 | 0.05 | <10 | 18 | <10 | 6 | 13 |
| 608 | 5108 | 0.2 | 0.35 | △ | 15 | <5 | 0.07 | <1 | 2 | 4 | 3 | 0.42 | 10 | 0.02 | 18 | <1 | 0.01 | <1 | 130 | 8 | <5 | <20 | 3 | 0.03 | <10 | 15 | <10 | 10 | 9 |
| 609 | 5109 | <0.2 | 0.14 | △ | 20 | <5 | 0.15 | <1 | 2 | 2 | 3 | 0.22 | <10 | 0.02 | 14 | <1 | 0.01 | 1 | 130 | 6 | <5 | <20 | 8 | 0.03 | <10 | 10 | <10 | 3 | 8 |
| 610 | 5110 | 0.2 | 2.37 | △ | 70 | 5 | 0.52 | <1 | 9 | 23 | 12 | 2.30 | 20 | 0.22 | 137 | <1 | 0.04 | 17 | 840 | 24 | <5 | <20 | 60 | 0.06 | <10 | 35 | <10 | 10 | 60 |
| 611 | 5111 | 0.2 | 0.32 | △ | 15 | <5 | 0.07 | <1 | 4 | 4 | 3 | 0.56 | <10 | 0.03 | 19 | <1 | 0.02 | <1 | 260 | 10 | <5 | <20 | 4 | 0.09 | <10 | 18 | <10 | 9 | 9 |
| 612 | 5112 | 0.2 | 2.52 | △ | 35 | 10 | 0.08 | <1 | 9 | 32 | 8 | 4.37 | 30 | 0.32 | 111 | 2 | 0.01 | 8 | 400 | 20 | <5 | <20 | 3 | 0.14 | <10 | 76 | <10 | 12 | 53 |
| 613 | 5113 | 0.2 | 0.70 | △ | 10 | <5 | 0.03 | <1 | 3 | 5 | 3 | 0.79 | <10 | 0.03 | 9 | <1 | 0.01 | 1 | 180 | 10 | <5 | <20 | <1 | 0.07 | <10 | 17 | <10 | 6 | 8 |
| 614 | 5114 | 0.6 | 2.50 | △ | 35 | 10 | 0.06 | <1 | 8 | 20 | 6 | 3.15 | 20 | 0.09 | 27 | <1 | 0.01 | 4 | 590 | 24 | <5 | <20 | 3 | 0.10 | <10 | 51 | <10 | 9 | 13 |
| 615 | 5115 | <0.2 | 2.69 | △ | 20 | <5 | 0.04 | <1 | 4 | 15 | 6 | 1.60 | 10 | 0.13 | 35 | <1 | <0.01 | 6 | 330 | 20 | <5 | <20 | 2 | 0.06 | <10 | 23 | <10 | 8 | 20 |
| 616 | 5116 | <0.2 | 0.87 | △ | 25 | <5 | 0.05 | <1 | 5 | 12 | 4 | 1.74 | 20 | 0.12 | 51 | <1 | 0.01 | 4 | 390 | 12 | <5 | <20 | 5 | 0.07 | <10 | 41 | <10 | 8 | 21 |
| 617 | 5117 | <0.2 | 0.10 | △ | 10 | <5 | 0.03 | <1 | 2 | 3 | 2 | 0.38 | <10 | 0.02 | 15 | <1 | 0.02 | <1 | 140 | 2 | <5 | <20 | 1 | 0.03 | <10 | 12 | <10 | 3 | 6 |
| 618 | 5118 | <0.2 | 0.91 | △ | 25 | <5 | 0.06 | <1 | 5 | 18 | 5 | 1.83 | 20 | 0.25 | 106 | <1 | <0.01 | 6 | 850 | 8 | <5 | <20 | <1 | 0.05 | <10 | 25 | <10 | 6 | 44 |
| 619 | 5119 | 0.2 | 1.98 | △ | 65 | 10 | 0.22 | <1 | 6 | 22 | 10 | 2.86 | 20 | 0.19 | 108 | <1 | <0.01 | 6 | 850 | 14 | <5 | <20 | 10 | 0.07 | <10 | 34 | <10 | 7 | 37 |
| 620 | 5120 | <0.2 | 1.51 | △ | 40 | <5 | 0.13 | <1 | 4 | 13 | 6 | 1.98 | 10 | 0.06 | 144 | <1 | 0.01 | 4 | 1060 | 16 | <5 | <20 | 5 | 0.10 | <10 | 29 | <10 | 10 | 17 |

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-----------------|---------------------|------|------|----|----|----|------|----|----|----|----|------|-----|------|-----|----|-------|----|------|----|----|-----|----|------|-----|----|-----|----|-----|
| QC DATA: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Repeat:</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 41+00N 11+00E | 0.2 | 2.26 | <5 | 40 | <5 | 0.10 | <1 | 6 | 25 | 8 | 2.58 | 10 | 0.29 | 97 | <1 | <0.01 | 11 | 390 | 6 | <5 | <20 | 6 | 0.04 | <10 | 25 | <10 | 4 | 32 |
| 10 | 41+00N 13+75E #5253 | 0.4 | 3.31 | <5 | 25 | <5 | 0.04 | <1 | 5 | 17 | 5 | 2.36 | <10 | 0.07 | 16 | <1 | <0.01 | 5 | 400 | 14 | <5 | <20 | 3 | 0.09 | <10 | 33 | <10 | 11 | 16 |
| 19 | 41+50N 13+00E #5237 | 0.2 | 1.29 | <5 | 30 | <5 | 0.06 | <1 | 5 | 16 | 6 | 2.33 | <10 | 0.17 | 40 | <1 | <0.01 | 5 | 240 | 10 | <5 | <20 | 7 | 0.06 | <10 | 36 | <10 | 6 | 31 |
| 28 | 42+00N 12+00E #5204 | 0.2 | 1.98 | <5 | 25 | <5 | 0.04 | <1 | 4 | 12 | 7 | 1.97 | <10 | 0.05 | 4 | <1 | <0.01 | 4 | 370 | 12 | <5 | <20 | 5 | 0.07 | <10 | 27 | <10 | 9 | 13 |
| 36 | 42+50N 10+50E #5230 | 0.4 | 2.26 | <5 | 40 | <5 | 0.08 | <1 | 8 | 30 | 11 | 4.12 | 10 | 0.38 | 70 | <1 | <0.01 | 10 | 380 | 8 | <5 | <20 | 5 | 0.08 | <10 | 56 | <10 | 7 | 62 |
| 45 | 42+50N 13+00E #5215 | 0.3 | 2.31 | <5 | 20 | <5 | 0.04 | <1 | 5 | 16 | 8 | 2.78 | 10 | 0.06 | 169 | <1 | <0.01 | 6 | 510 | 14 | <5 | <20 | 3 | 0.08 | <10 | 47 | <10 | 10 | 14 |
| 54 | 43+00N 10+50E #5278 | <0.2 | 1.42 | <5 | 20 | <5 | 0.04 | <1 | 5 | 19 | 6 | 2.40 | 10 | 0.18 | 70 | <1 | <0.01 | 5 | 360 | 6 | <5 | <20 | 3 | 0.05 | <10 | 36 | <10 | 4 | 29 |
| 63 | 43+50N 10+25E #5260 | <0.2 | 0.75 | <5 | 20 | <5 | 0.07 | <1 | 4 | 10 | 6 | 1.27 | 10 | 0.10 | 60 | <1 | <0.01 | 2 | 240 | 18 | <5 | <20 | 6 | 0.04 | <10 | 22 | <10 | 11 | 30 |
| 71 | 44+00N 9+50E #5298 | <0.2 | 1.11 | <5 | 35 | 5 | 0.10 | <1 | 7 | 27 | 6 | 3.58 | 10 | 0.31 | 85 | <1 | <0.01 | 8 | 180 | 12 | <5 | <20 | 7 | 0.07 | <10 | 50 | <10 | 5 | 98 |
| 80 | 44+50N 9+00E | 0.2 | 2.60 | <5 | 80 | <5 | 0.07 | <1 | 8 | 30 | 15 | 2.74 | 20 | 0.35 | 208 | <1 | <0.01 | 15 | 530 | 84 | <5 | <20 | 6 | 0.05 | <10 | 39 | <10 | 13 | 479 |
| 89 | 45+50N 9+00E #5030 | <0.2 | 0.16 | <5 | 15 | <5 | 0.03 | <1 | 2 | 4 | 3 | 0.38 | <10 | 0.02 | 22 | <1 | <0.01 | <1 | 30 | 4 | <5 | <20 | 2 | 0.02 | <10 | 14 | <10 | 4 | 14 |
| 98 | 45+50N 11+25E #5006 | <0.2 | 0.12 | <5 | 15 | <5 | 0.05 | <1 | <1 | 2 | <1 | 0.12 | <10 | 0.01 | 16 | <1 | 0.01 | <1 | 80 | 6 | <5 | <20 | 2 | 0.02 | <10 | 6 | <10 | 3 | 5 |
| 106 | 46+00N 8+75E #5033 | <0.2 | 0.27 | <5 | 10 | <5 | 0.02 | <1 | 2 | 5 | 1 | 0.57 | <10 | 0.03 | 19 | <1 | <0.01 | <1 | 70 | 4 | <5 | <20 | 2 | 0.02 | <10 | 22 | <10 | 3 | 8 |
| 115 | 46+00N 11+00E #5022 | 0.2 | 2.89 | <5 | 55 | <5 | 0.08 | <1 | 7 | 27 | 9 | 2.57 | 10 | 0.34 | 130 | <1 | <0.01 | 13 | 480 | 14 | <5 | <20 | 5 | 0.04 | <10 | 31 | <10 | 7 | 48 |
| 124 | 46+50N 8+25E #5064 | <0.2 | 1.35 | <5 | 30 | <5 | 0.11 | <1 | 2 | 7 | 9 | 0.25 | 10 | 0.05 | 20 | <1 | 0.01 | 2 | 260 | 10 | <5 | <20 | 9 | 0.02 | <10 | 14 | <10 | 8 | 13 |
| 133 | 46+50N 10+50E #5077 | <0.2 | 0.44 | <5 | 15 | <5 | 0.05 | <1 | 3 | 7 | 2 | 0.86 | <10 | 0.06 | 35 | <1 | <0.01 | 1 | 300 | 4 | <5 | <20 | 3 | 0.03 | <10 | 21 | <10 | 4 | 14 |
| 141 | 46+50N 12+50E #5085 | <0.2 | 0.21 | <5 | 20 | <5 | 0.03 | <1 | 1 | 3 | 2 | 0.35 | <10 | 0.02 | 20 | <1 | 0.01 | 1 | 110 | 2 | <5 | <20 | 2 | 0.01 | <10 | 11 | <10 | 2 | 6 |
| 150 | 47+00N 9+00E #5071 | 0.2 | 0.51 | <5 | 15 | <5 | 0.05 | <1 | 3 | 7 | 2 | 1.17 | <10 | 0.05 | 18 | <1 | <0.01 | 1 | 180 | 10 | <5 | <20 | 2 | 0.06 | <10 | 33 | <10 | 6 | 11 |
| 159 | 47+00N 11+25E #5095 | <0.2 | 0.77 | <5 | 25 | <5 | 0.06 | <1 | 3 | 7 | 3 | 0.95 | <10 | 0.04 | 11 | <1 | 0.01 | 1 | 320 | 12 | <5 | <20 | 3 | 0.05 | <10 | 23 | <10 | 6 | 9 |
| 168 | 47+50N 7+00E #5050 | 0.3 | 1.14 | <5 | 30 | <5 | 0.11 | <1 | 4 | 12 | 7 | 1.53 | <10 | 0.10 | 441 | <1 | <0.01 | 3 | 410 | 10 | <5 | <20 | 6 | 0.04 | <10 | 24 | <10 | 5 | 24 |
| 176 | 47+50N 8+75E #5042 | <0.2 | 2.60 | <5 | 30 | <5 | 0.04 | <1 | 5 | 18 | 9 | 2.28 | 10 | 0.19 | 110 | <1 | <0.01 | 6 | 690 | 22 | <5 | <20 | 3 | 0.05 | <10 | 28 | <10 | 7 | 34 |
| 185 | 47+50N 11+00E #5453 | 0.2 | 4.19 | <5 | 35 | 5 | 0.02 | <1 | 3 | 18 | 5 | 1.54 | <10 | 0.03 | 179 | <1 | <0.01 | 4 | 610 | 22 | <5 | <20 | 3 | 0.05 | <10 | 21 | <10 | 6 | 10 |
| 203 | 48+00N 8+75E #5413 | <0.2 | 1.75 | <5 | 25 | <5 | 0.03 | <1 | 4 | 14 | 4 | 1.60 | 10 | 0.13 | 54 | <1 | <0.01 | 5 | 240 | 12 | <5 | <20 | 2 | 0.03 | <10 | 28 | <10 | 5 | 19 |
| 211 | 48+00N 10+75E #5471 | <0.2 | 0.13 | <5 | 10 | <5 | 0.02 | <1 | <1 | 2 | 1 | 0.15 | <10 | 0.01 | 13 | <1 | 0.02 | <1 | 110 | <2 | <5 | <20 | 1 | 0.01 | <10 | 6 | <10 | 1 | 4 |
| 220 | 48+00N 13+00E #5482 | 0.2 | 1.66 | <5 | 20 | <5 | 0.05 | <1 | 4 | 11 | 5 | 1.17 | <10 | 0.09 | 87 | <1 | 0.02 | 3 | 260 | 14 | <5 | <20 | 4 | 0.06 | <10 | 26 | <10 | 8 | 15 |
| 229 | 48+50N 8+25E #5481 | <0.2 | 0.21 | <5 | 15 | <5 | 0.04 | <1 | 1 | 3 | 1 | 0.23 | <10 | 0.02 | 22 | <1 | 0.02 | <1 | 100 | 4 | <5 | <20 | 4 | 0.01 | <10 | 9 | <10 | 2 | 6 |
| 238 | 49+00N 8+25E #5491 | 0.2 | 1.03 | <5 | 75 | <5 | 0.16 | <1 | 6 | 19 | 9 | 2.32 | 10 | 0.18 | 230 | <1 | 0.01 | 7 | 270 | 12 | <5 | <20 | 16 | 0.03 | <10 | 36 | <10 | 4 | 39 |
| 246 | 49+00N 8+25E #5499 | <0.2 | 2.50 | <5 | 40 | <5 | 0.07 | <1 | 8 | 32 | 13 | 3.52 | 20 | 0.50 | 123 | <1 | <0.01 | 11 | 360 | 16 | <5 | <20 | 6 | 0.04 | <10 | 50 | <10 | 5 | 44 |
| 255 | 49+50N 6+50E #5443 | <0.2 | 1.82 | <5 | 30 | <5 | 0.08 | <1 | 6 | 20 | 9 | 2.44 | 20 | 0.34 | 88 | <1 | <0.01 | 6 | 430 | 10 | <5 | <20 | 8 | 0.02 | <10 | 42 | <10 | 4 | 29 |
| 264 | 49+50N 8+75E #5434 | <0.2 | 0.33 | <5 | 45 | <5 | 0.08 | <1 | 2 | 4 | 4 | 0.45 | <10 | 0.04 | 228 | <1 | 0.01 | 1 | 270 | 12 | <5 | <20 | 5 | 0.02 | <10 | 12 | <10 | 3 | 32 |
| 273 | 50+00N 7+25E #5362 | <0.2 | 2.91 | <5 | 55 | <5 | 0.14 | <1 | 9 | 29 | 11 | 2.83 | 30 | 0.58 | 186 | <1 | 0.01 | 15 | 660 | 16 | <5 | <20 | 7 | 0.03 | <10 | 41 | <10 | 7 | 55 |
| 281 | 50+00N 9+25E #5370 | 0.2 | 3.38 | <5 | 70 | 5 | 0.44 | <1 | 11 | 26 | 12 | 2.54 | 20 | 0.33 | 970 | <1 | 0.02 | 18 | 730 | 32 | <5 | <20 | 23 | 0.07 | <10 | 35 | <10 | 21 | 134 |
| 290 | 50+50N 7+50E #5384 | <0.2 | 1.20 | <5 | 25 | <5 | 0.17 | <1 | 8 | 16 | 13 | 2.06 | 30 | 0.42 | 284 | <1 | <0.01 | 8 | 770 | 12 | <5 | <20 | 5 | 0.02 | <10 | 29 | <10 | 7 | 43 |
| 308 | 51+00N 8+25E #5398 | 0.3 | 2.02 | <5 | 65 | 5 | 0.63 | <1 | 8 | 18 | 11 | 2.58 | 20 | 0.18 | 338 | <1 | 0.02 | 8 | 1130 | 22 | <5 | <20 | 26 | 0.06 | <10 | 40 | <10 | 15 | 40 |
| 316 | 51+50N 5+50E | <0.2 | 1.95 | <5 | 65 | 5 | 0.09 | <1 | 10 | 35 | 13 | 3.73 | 30 | 0.59 | 170 | <1 | 0.01 | 13 | 270 | 16 | <5 | <20 | 5 | 0.05 | <10 | 54 | <10 | 8 | 52 |
| 325 | 51+50N 8+50E | <0.2 | 0.97 | <5 | 25 | <5 | 0.06 | <1 | 4 | 12 | 3 | 1.75 | 10 | 0.10 | 98 | <1 | <0.01 | 3 | 220 | 10 | <5 | <20 | 4 | 0.04 | <10 | 25 | <10 | 6 | 27 |
| 334 | 52+00N 5+50E | <0.2 | 1.86 | <5 | 35 | <5 | 0.04 | <1 | 4 | 17 | 5 | 2.04 | 10 | 0.11 | 30 | <1 | <0.01 | 3 | 490 | 14 | <5 | <20 | 4 | 0.04 | <10 | 31 | <10 | 4 | 18 |
| 343 | 52+00N 7+75E | <0.2 | 1.14 | <5 | 45 | 5 | 0.19 | <1 | 7 | 23 | 8 | 2.44 | 20 | 0.31 | 161 | <1 | 0.01 | 9 | 700 | 14 | <5 | <20 | 8 | 0.06 | <10 | 38 | <10 | 7 | 65 |

RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

ECO TECH LABORATORY LTD.

| Et #. | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|-----------------|-----------------------|------|------|----|-----|----|------|----|----|----|----|------|-----|------|-----|----|-------|----|------|----|----|-----|----|-------|-----|----|-----|----|----|
| QC DATA: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Repeat:</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 351 | 52+00N 9+75E | <0.2 | 0.60 | △ | 25 | <5 | 0.05 | <1 | 3 | 6 | 3 | 0.80 | <10 | 0.05 | 34 | <1 | 0.01 | 3 | 180 | 6 | △ | <20 | 4 | 0.04 | <10 | 20 | <10 | 4 | 16 |
| 360 | 52+50N 6+25E B | <0.2 | 2.10 | △ | 40 | 5 | 0.08 | <1 | 5 | 22 | 7 | 2.71 | 20 | 0.20 | 182 | <1 | <0.01 | 4 | 620 | 14 | △ | <20 | 6 | 0.05 | <10 | 31 | <10 | 7 | 32 |
| 378 | 53+00N 6+00E #5351 | <0.2 | 1.95 | △ | 40 | 5 | 0.07 | <1 | 7 | 23 | 9 | 2.80 | 20 | 0.28 | 102 | <1 | <0.01 | 9 | 340 | 18 | △ | <20 | 2 | 0.10 | <10 | 46 | <10 | 10 | 40 |
| 386 | 53+00N 8+00E #5259 | <0.2 | 0.65 | △ | 20 | <5 | 0.08 | <1 | 3 | 9 | 3 | 1.14 | 10 | 0.09 | 147 | <1 | 0.01 | 3 | 300 | 6 | △ | <20 | 2 | 0.04 | <10 | 20 | <10 | 5 | 17 |
| 395 | 53+50N 5+50E #5348 | <0.2 | 0.73 | △ | 30 | <5 | 0.10 | <1 | 4 | 13 | 6 | 1.48 | 10 | 0.14 | 62 | <1 | <0.01 | 4 | 190 | 10 | △ | <20 | 4 | 0.05 | <10 | 34 | <10 | 6 | 22 |
| 404 | 53+50N 7+75E #5339 | <0.2 | 3.21 | △ | 35 | 5 | 0.07 | <1 | 6 | 22 | 5 | 2.78 | 20 | 0.14 | 78 | <1 | <0.01 | 8 | 510 | 26 | △ | <20 | 3 | 0.07 | <10 | 44 | <10 | 8 | 33 |
| 413 | 53+50N 10+00E #5331 | <0.2 | 0.41 | △ | 20 | <5 | 0.06 | <1 | 2 | 6 | 3 | 0.55 | <10 | 0.06 | 65 | <1 | 0.01 | 2 | 210 | 6 | △ | <20 | 3 | 0.03 | <10 | 15 | <10 | 5 | 12 |
| 421 | 54+00N 6+75E #5316 | 0.2 | 3.42 | △ | 45 | 5 | 0.07 | <1 | 4 | 22 | 6 | 2.13 | 20 | 0.15 | 56 | <1 | <0.01 | 6 | 560 | 24 | △ | <20 | 5 | 0.06 | <10 | 27 | <10 | 7 | 26 |
| 430 | 54+00N 9+00E #5325 | <0.2 | 0.11 | △ | 10 | <5 | 0.04 | <1 | 2 | 3 | 1 | 0.46 | <10 | 0.02 | 30 | <1 | 0.01 | <1 | 90 | <2 | △ | <20 | 2 | 0.02 | <10 | 18 | <10 | 2 | 8 |
| 439 | 54+50N 6+00E #5304 | <0.2 | 2.15 | △ | 35 | 5 | 0.05 | <1 | 4 | 17 | 4 | 1.75 | 10 | 0.17 | 65 | <1 | <0.01 | 6 | 430 | 18 | △ | <20 | 2 | 0.05 | <10 | 28 | <10 | 6 | 25 |
| 448 | 54+50N 8+25E #5423 | <0.2 | 1.84 | △ | 45 | 10 | 0.07 | <1 | 7 | 18 | 9 | 2.21 | 20 | 0.24 | 109 | <1 | 0.01 | 8 | 1000 | 20 | △ | <20 | 4 | 0.07 | <10 | 31 | <10 | 7 | 38 |
| 456 | 55+00N 5+75E #5157 | 0.2 | 2.72 | △ | 40 | <5 | 0.05 | <1 | 4 | 15 | 4 | 1.84 | 10 | 0.07 | 19 | <1 | <0.01 | 4 | 360 | 22 | △ | <20 | 6 | 0.08 | <10 | 29 | <10 | 9 | 17 |
| 465 | 55+00N 8+00E #5148 | <0.2 | 1.04 | △ | 25 | 5 | 0.16 | <1 | 4 | 11 | 4 | 1.42 | 10 | 0.06 | 120 | <1 | 0.01 | 3 | 720 | 12 | △ | <20 | 6 | 0.08 | <10 | 30 | <10 | 6 | 20 |
| 474 | 55+00N 10+25E #5177 | <0.2 | 0.71 | △ | 25 | <5 | 0.07 | <1 | 3 | 11 | 4 | 0.96 | 10 | 0.14 | 47 | <1 | 0.01 | 5 | 520 | 8 | △ | <20 | 4 | 0.04 | <10 | 18 | <10 | 5 | 17 |
| 483 | 55+00N 12+50E #5186 | <0.2 | 1.16 | △ | 25 | <5 | 0.06 | <1 | 6 | 16 | 9 | 2.22 | 20 | 0.17 | 48 | <1 | <0.01 | 5 | 420 | 14 | △ | <20 | 2 | 0.10 | <10 | 36 | <10 | 9 | 21 |
| 491 | 55+50N 7+00E #5163 | <0.2 | 0.93 | △ | 45 | <5 | 0.19 | <1 | 8 | 17 | 12 | 1.24 | 10 | 0.31 | 180 | <1 | 0.01 | 13 | 390 | 10 | △ | <20 | 8 | 0.05 | <10 | 17 | <10 | 13 | 29 |
| 500 | 55+50N 9+25E #5172 | <0.2 | 0.44 | △ | 20 | <5 | 0.04 | <1 | 4 | 7 | 4 | 0.96 | <10 | 0.07 | 33 | <1 | 0.02 | 2 | 420 | 10 | △ | <20 | 3 | 0.08 | <10 | 25 | <10 | 8 | 10 |
| 509 | 55+50N 11+50E #5195 | <0.2 | 0.19 | △ | 10 | <5 | 0.03 | <1 | 2 | 4 | 5 | 0.41 | <10 | 0.02 | 72 | <1 | 0.01 | <1 | 160 | 8 | △ | <20 | 2 | 0.05 | <10 | 16 | <10 | 4 | 8 |
| 518 | 56+00N 5+50E | <0.2 | 0.27 | △ | 15 | <5 | 0.02 | <1 | 2 | 3 | 2 | 0.27 | <10 | 0.02 | 24 | <1 | 0.02 | <1 | 110 | 8 | △ | <20 | 1 | 0.04 | <10 | 9 | <10 | 5 | 6 |
| 526 | 56+00N 7+50E | <0.2 | 3.91 | △ | 30 | 10 | 0.04 | <1 | 5 | 18 | 9 | 2.11 | 10 | 0.08 | 73 | <1 | 0.01 | 6 | 1270 | 32 | △ | <20 | 3 | 0.09 | <10 | 24 | <10 | 10 | 21 |
| 535 | 56+50N 7+00E | 0.3 | 3.88 | △ | 130 | 5 | 0.17 | <1 | 20 | 43 | 36 | 3.24 | 40 | 0.42 | 421 | <1 | 0.01 | 30 | 420 | 68 | △ | <20 | 15 | 0.09 | 10 | 41 | <10 | 51 | 67 |
| 544 | 57+00N 6+50E | <0.2 | 2.79 | △ | 35 | <5 | 0.09 | <1 | 6 | 29 | 10 | 2.68 | 20 | 0.31 | 104 | <1 | <0.01 | 11 | 590 | 52 | △ | <20 | 4 | 0.05 | <10 | 31 | <10 | 7 | 46 |
| 553 | 57+50N 6+00E | <0.2 | 2.20 | △ | 60 | <5 | 0.08 | <1 | 6 | 19 | 5 | 2.09 | 20 | 0.16 | 163 | 3 | 0.01 | 5 | 590 | 22 | △ | <20 | 4 | 0.07 | <10 | 37 | <10 | 7 | 45 |
| 561 | 58+00N 5+50E | 0.2 | 0.99 | △ | 20 | <5 | 0.05 | <1 | 4 | 12 | 4 | 1.49 | <10 | 0.11 | 41 | <1 | <0.01 | 4 | 450 | 12 | △ | <20 | 2 | 0.06 | <10 | 39 | <10 | 5 | 19 |
| 570 | 58+50N 5+25E | <0.2 | 0.09 | △ | 5 | <5 | 0.02 | <1 | <1 | 1 | <1 | 0.21 | <10 | 0.01 | 11 | <1 | 0.01 | <1 | 40 | <2 | △ | <20 | <1 | <0.01 | <10 | 7 | <10 | <1 | 3 |
| 579 | BL10E 59+25N #5132 | <0.2 | 0.37 | △ | 5 | <5 | 0.02 | <1 | 2 | 5 | 2 | 0.79 | <10 | 0.03 | 16 | <1 | <0.01 | 1 | 130 | 6 | △ | <20 | <1 | 0.04 | <10 | 20 | <10 | 3 | 8 |
| 588 | BL10E 63+75N #5123 | 0.3 | 1.21 | △ | 80 | <5 | 0.21 | <1 | 8 | 13 | 10 | 1.63 | 10 | 0.16 | 328 | <1 | 0.01 | 6 | 420 | 12 | △ | <20 | 20 | 0.03 | <10 | 27 | <10 | 9 | 25 |
| 596 | BL11+25E 43+25N #5264 | 0.2 | 1.09 | △ | 30 | 5 | 0.12 | <1 | 6 | 16 | 8 | 2.31 | 20 | 0.17 | 47 | <1 | <0.01 | 5 | 630 | 20 | △ | <20 | 4 | 0.09 | <10 | 40 | <10 | 10 | 77 |
| 605 | 5104 | <0.2 | 0.18 | △ | 30 | <5 | 0.06 | <1 | 3 | 4 | 2 | 0.60 | <10 | 0.03 | 30 | <1 | 0.01 | 1 | 100 | 4 | △ | <20 | 4 | 0.04 | <10 | 21 | <10 | 4 | 12 |
| 614 | 5114 | 0.6 | 2.45 | △ | 35 | 10 | 0.06 | <1 | 5 | 19 | 6 | 3.03 | 20 | 0.09 | 27 | <1 | 0.01 | 5 | 570 | 24 | △ | <20 | 2 | 0.10 | <10 | 49 | <10 | 9 | 12 |

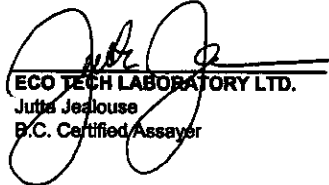
RENAISSANCE GEOSCIENCE SERVICES

ICP CERTIFICATE OF ANALYSIS AK 2003-523

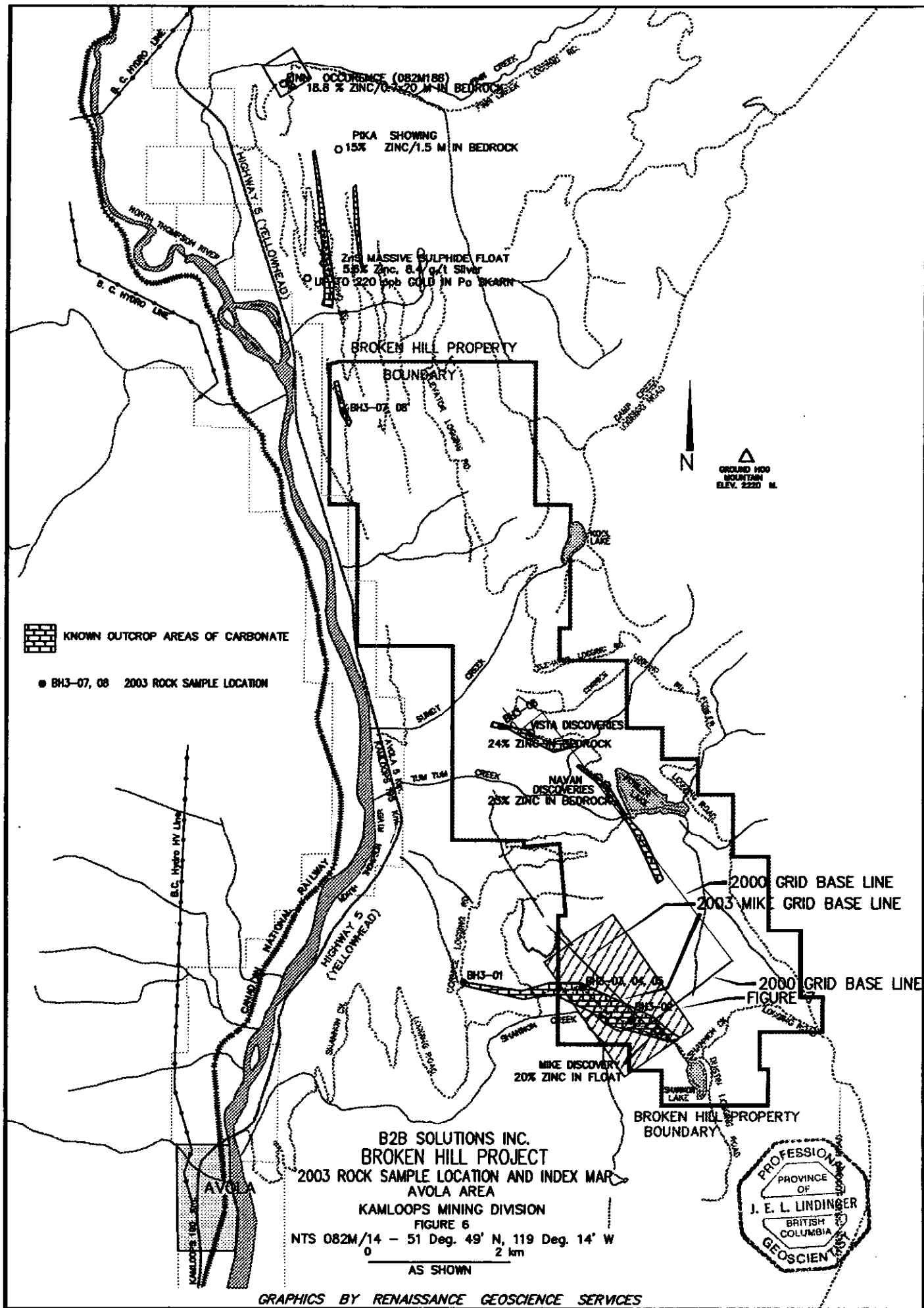
ECO TECH LABORATORY LTD.

| Et # | Tag # | Ag | Al % | As | Ba | Bi | Ca % | Cd | Co | Cr | Cu | Fe % | La | Mg % | Mn | Mo | Na % | Ni | P | Pb | Sb | Sn | Sr | Ti % | U | V | W | Y | Zn |
|------------------|-------|-----|------|----|-----|----|------|----|----|----|----|------|-----|------|-----|----|------|----|-----|----|----|-----|----|------|-----|----|-----|----|----|
| Standard: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GEO '03 | | 1.5 | 1.73 | 50 | 130 | Δ | 1.56 | <1 | 20 | 59 | 83 | 3.54 | 10 | 0.96 | 626 | <1 | 0.02 | 29 | 620 | 20 | <5 | <20 | 42 | 0.08 | <10 | 76 | <10 | 9 | 71 |
| GEO '03 | | 1.5 | 1.67 | 55 | 135 | Δ | 1.57 | <1 | 20 | 59 | 82 | 3.53 | 10 | 0.95 | 623 | <1 | 0.02 | 29 | 630 | 18 | <5 | <20 | 40 | 0.08 | <10 | 74 | <10 | 10 | 73 |
| GEO '03 | | 1.5 | 1.69 | 50 | 130 | Δ | 1.57 | <1 | 20 | 58 | 84 | 3.52 | 10 | 0.97 | 619 | <1 | 0.02 | 29 | 640 | 18 | <5 | <20 | 41 | 0.08 | <10 | 75 | <10 | 9 | 76 |
| GEO '03 | | 1.4 | 1.70 | 55 | 130 | Δ | 1.59 | 1 | 20 | 60 | 84 | 3.58 | 10 | 0.97 | 634 | <1 | 0.02 | 31 | 640 | 18 | <5 | <20 | 40 | 0.07 | <10 | 75 | <10 | 10 | 72 |
| GEO '03 | | 1.5 | 1.70 | 50 | 135 | Δ | 1.60 | <1 | 20 | 58 | 85 | 3.58 | 10 | 0.99 | 650 | <1 | 0.02 | 30 | 660 | 20 | <5 | <20 | 39 | 0.08 | <10 | 74 | <10 | 11 | 75 |
| GEO '03 | | 1.9 | 1.69 | 55 | 135 | Δ | 1.58 | <1 | 20 | 58 | 83 | 3.57 | 10 | 0.97 | 625 | <1 | 0.02 | 29 | 630 | 20 | <5 | <20 | 37 | 0.08 | <10 | 74 | <10 | 9 | 75 |
| GEO '03 | | 1.4 | 1.83 | 55 | 140 | Δ | 1.68 | <1 | 21 | 63 | 85 | 3.69 | 10 | 1.01 | 641 | <1 | 0.03 | 30 | 650 | 20 | <5 | <20 | 45 | 0.09 | <10 | 80 | <10 | 10 | 73 |
| GEO '03 | | 1.5 | 1.84 | 55 | 135 | Δ | 1.67 | <1 | 21 | 61 | 85 | 3.65 | 10 | 1.02 | 639 | <1 | 0.03 | 31 | 660 | 18 | <5 | <20 | 44 | 0.09 | <10 | 78 | <10 | 11 | 72 |
| GEO '03 | | 1.4 | 1.81 | 55 | 135 | Δ | 1.65 | <1 | 20 | 60 | 82 | 3.61 | 10 | 0.99 | 637 | <1 | 0.03 | 31 | 630 | 20 | <5 | <20 | 44 | 0.09 | <10 | 78 | <10 | 10 | 75 |
| GEO '03 | | 1.5 | 1.83 | 55 | 140 | Δ | 1.68 | <1 | 22 | 62 | 86 | 3.69 | 10 | 1.03 | 639 | <1 | 0.03 | 30 | 680 | 20 | <5 | <20 | 44 | 0.10 | <10 | 80 | <10 | 11 | 73 |
| GEO '03 | | 1.5 | 1.84 | 55 | 135 | Δ | 1.67 | <1 | 22 | 62 | 85 | 3.68 | <10 | 1.02 | 641 | <1 | 0.03 | 30 | 680 | 22 | <5 | <20 | 42 | 0.11 | <10 | 78 | <10 | 10 | 73 |
| GEO '03 | | 1.5 | 1.77 | 60 | 135 | Δ | 1.62 | <1 | 21 | 61 | 83 | 3.56 | <10 | 1.00 | 625 | <1 | 0.03 | 30 | 670 | 22 | <5 | <20 | 41 | 0.10 | <10 | 76 | <10 | 10 | 73 |
| GEO '03 | | 1.5 | 1.78 | 60 | 140 | Δ | 1.63 | <1 | 22 | 60 | 86 | 3.63 | 10 | 1.02 | 638 | <1 | 0.02 | 29 | 710 | 22 | <5 | <20 | 39 | 0.11 | <10 | 75 | <10 | 10 | 74 |
| GEO '03 | | 1.4 | 1.81 | 65 | 140 | Δ | 1.63 | <1 | 22 | 61 | 85 | 3.62 | <10 | 1.02 | 633 | <1 | 0.03 | 30 | 660 | 22 | <5 | <20 | 43 | 0.12 | <10 | 77 | <10 | 10 | 73 |
| GEO '03 | | 1.5 | 1.74 | 55 | 135 | Δ | 1.60 | <1 | 21 | 59 | 84 | 3.54 | <10 | 0.99 | 619 | <1 | 0.03 | 30 | 660 | 22 | <5 | <20 | 49 | 0.11 | <10 | 74 | <10 | 11 | 72 |
| GEO '03 | | 1.5 | 1.78 | 55 | 140 | Δ | 1.63 | <1 | 21 | 60 | 84 | 3.60 | <10 | 1.00 | 631 | <1 | 0.03 | 28 | 680 | 22 | <5 | <20 | 40 | 0.11 | <10 | 75 | <10 | 10 | 74 |
| GEO '03 | | 1.4 | 1.73 | 50 | 130 | Δ | 1.60 | <1 | 20 | 59 | 84 | 3.58 | <10 | 0.96 | 635 | <1 | 0.02 | 30 | 670 | 20 | 5 | <20 | 44 | 0.07 | <10 | 77 | <10 | 11 | 76 |
| GEO '03 | | 1.5 | 1.78 | 50 | 135 | Δ | 1.60 | <1 | 21 | 60 | 83 | 3.56 | <10 | 0.99 | 618 | <1 | 0.03 | 28 | 660 | 22 | <5 | <20 | 41 | 0.11 | <10 | 76 | <10 | 10 | 72 |

JJ/kk
525/523a/523b/523c/523d
XLS/03


ECO TECH LABORATORY LTD.
Jutta Jealous
B.C. Certified Assayer

Appendix 2
2003 Rock Sample Location Map and Zinc, Lead and Silver Soil Results



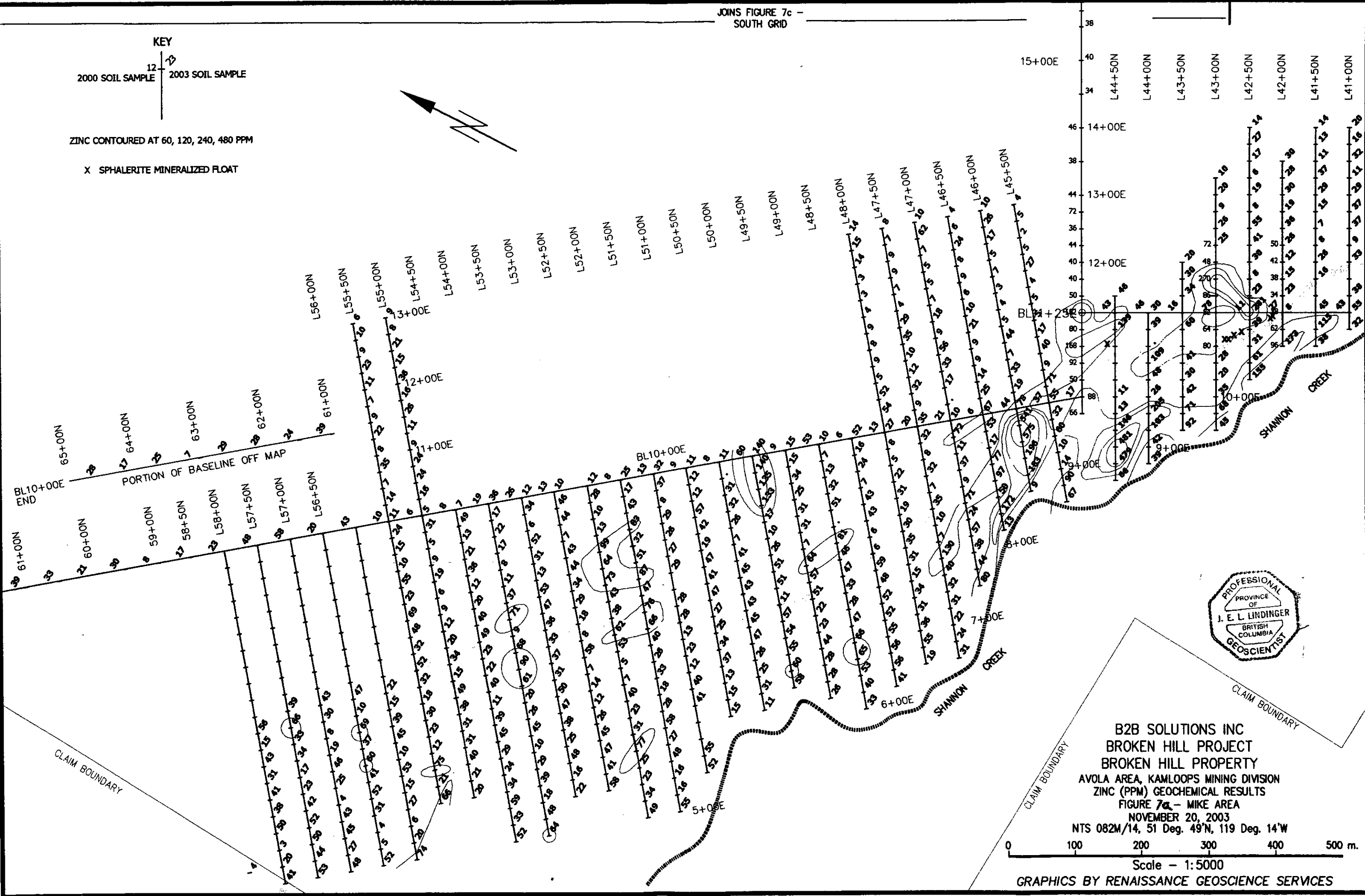
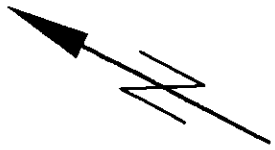
GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES

KEY

2000 SOIL SAMPLE 12
2003 SOIL SAMPLE 12

ZINC CONTOURED AT 60, 120, 240, 480 PPM

X SPHALERITE MINERALIZED FLOAT



38
40
42
44
46
48
50
52
54
56
58
60
62
64
66
68
70
72
74
76
78
80
82
84
86
88
90
92
94
96
98
100
102
104
106
108
110
112
114
116
118
120
122
124
126
128
130
132
134
136
138
140
142
144
146
148
150
152
154
156
158
160
162
164
166
168
170
172
174
176
178
180
182
184
186
188
190
192
194
196
198
200



B2B SOLUTIONS INC
BROKEN HILL PROJECT
BROKEN HILL PROPERTY
AVOLA AREA, KAMLOOPS MINING DIVISION
ZINC (PPM) GEOCHEMICAL RESULTS
FIGURE 7a - MIKE AREA
NOVEMBER 20, 2003
NTS 082M/14, 51 Deg. 49'N, 119 Deg. 14'W

0 100 200 300 400 500 m.

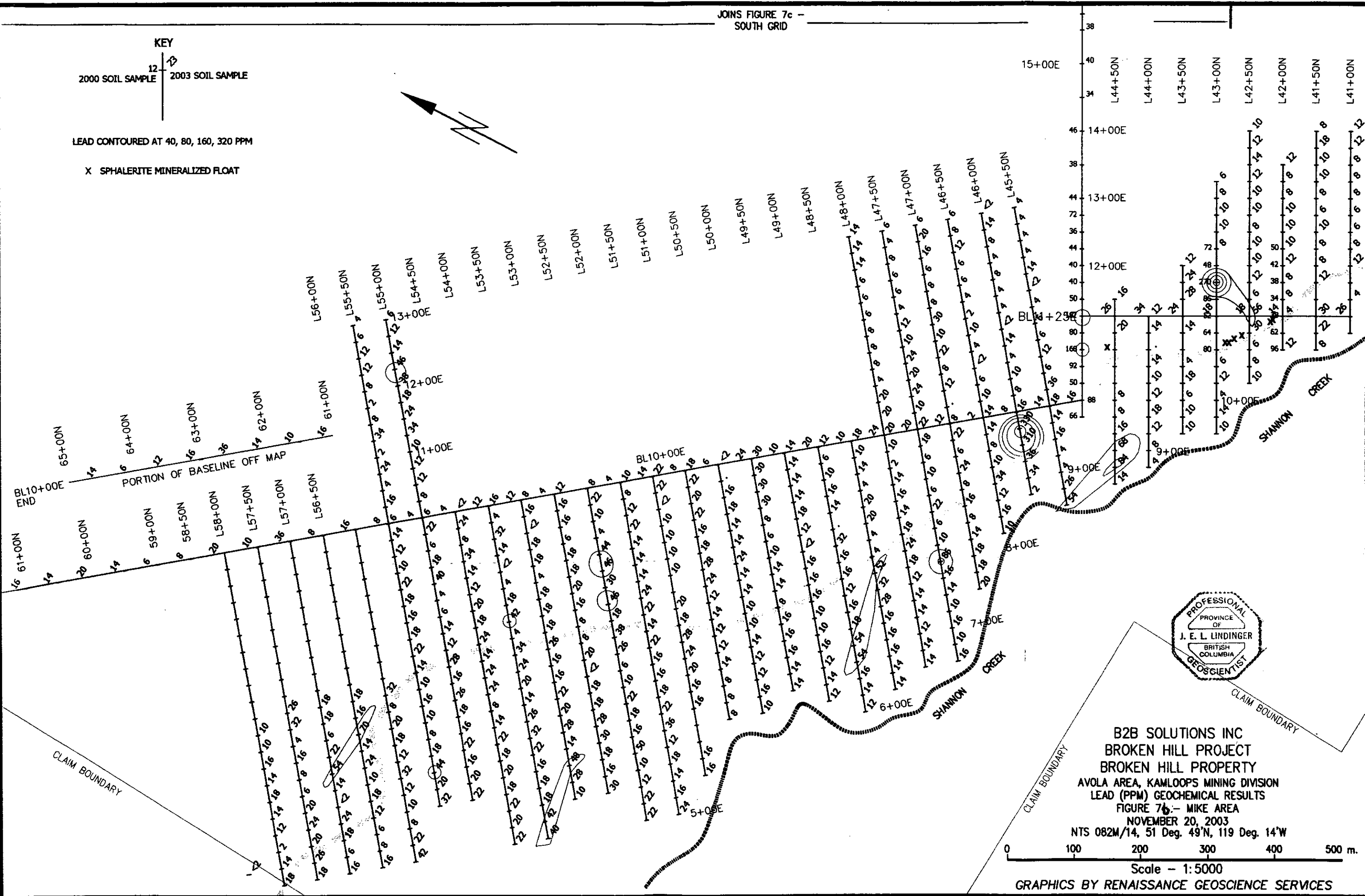
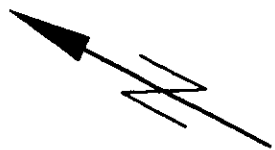
Scale - 1:5000

GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES

KEY
12
2000 SOIL SAMPLE 2003 SOIL SAMPLE

LEAD CONTOURED AT 40, 80, 160, 320 PPM

X SPHALERITE MINERALIZED FLOAT



B2B SOLUTIONS INC
BROKEN HILL PROJECT
BROKEN HILL PROPERTY
AVOLA AREA, KAMLOOPS MINING DIVISION
LEAD (PPM) GEOCHEMICAL RESULTS
FIGURE 7b - MIKE AREA
NOVEMBER 20, 2003
NTS 082M/14, 51 Deg. 49'N, 119 Deg. 14'W



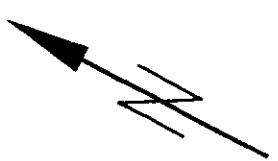
Scale - 1:5000
GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES

KEY

2000 SOIL SAMPLE 12 2003 SOIL SAMPLE

SILVER CONTOURED AT 0.5, 1.0 AND 2.0 PPM

X SPHALERITE MINERALIZED FLOAT



B2B SOLUTIONS INC
BROKEN HILL PROJECT
BROKEN HILL PROPERTY
AVOLA AREA, KAMLOOPS MINING DIVISION
SILVER (PPM) GEOCHEMICAL RESULTS
FIGURE 7c - MIKE AREA
NOVEMBER 20, 2003
NTS 082M/14, 51 Deg. 49'N, 119 Deg. 14'W

Scale - 1:5000
GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES

Appendix 3
2003 Rock Descriptions

Sheet1

| Sample No. | Location UTM zone 11 | | 2003 Broken Hill-Leo Rock Descriptions Sample description and local observations | Analytical data (ppm) | | | | |
|------------|----------------------|---------|--|-----------------------|------|--------|--------|--------------------------|
| | Northing | Easting | | zinc | lead | silver | copper | gold |
| BH3-01 | 5742322 | 343371 | 1.15 km on Cornice Logging Road. Calc-silicate-marble horizon. 5 metres thick. strike 290 dip 70 N. Vuggy weathering with possible sulphide stringers. Horizon is truncated at depth and over and underlain by mafic gneiss. Sample is ~15 cm thick. | 107 | 8 | <0.2 | 106 | NA |
| BH3-02 | 5741293 | 345876 | Km 14.9 on Shannon logging road ~300 meters west of Mike showings. Pitted rusty weathering siliceous actinolite skarn overlain by siliceous pyritic gneiss. Strike/dip 325/10. | 71 | 8 | <0.2 | 68 | <5 |
| BH3-03 | 5741831 | 344991 | Km 13.3 on Shannon logging road. Bedded actinolite-garnet rich skarn overlain by sulphide bearing pegmatite. Weathered sulphides concentrated at contact. Str 325/40-50. OC appears to be a NE plunging antiformal exposure. Sample is ~10 cm thick. | 26 | 8 | <0.2 | 114 | 0.015 |
| BH3-04 | 5741831 | 344992 | 2 meters east of BH3-03. Semi-massive sulphide zone of actinolite-garnet skarn. Appears to contain sphalerite. | 147 | 30 | <0.2 | 88 | 0.01 |
| BH3-05 | 5741831 | 344994 | 2 meters east of BH3-04 and 1 meter stratigraphically below. Chert horizon in skarn with pyrrhotite-chalcopyrite stockwork veining. Locally semi massive pyrrhotite mineralization. | 28 | <2 | <0.2 | 218 | 0.325 Bi 325 W 120 |
| BH3-06 | 5745750 | 434950 | NW downdip extension of Carbonate horizon hosting Vista Showing. Over cliff. Pyritic chert horizon at top of skarn horizon. Str/dip. 020/45. | 32 | 4 | <0.2 | 116 | NA |
| BH3-07 | 5749998 | 341842 | Access via Black rock logging road. NW Leo claims. Actinolite skarn float possible containing weak disseminated ZnS mineralization. | 33 | 8 | <0.2 | 30 | NA |
| BH3-08 | 5755030 | 341894 | ~80 meters NE of BH3-07 20 cm thick pyritic limonitic weathering calc-silicate horizon in siliceous pyritic gneiss. Str. 320/40. NE | 21 | 24 | <0.2 | 62 | NA |