



Natural Resources

Mines

**MAJOR- AND TRACE-ELEMENT GEOCHEMICAL
DATA FROM THE PANTS LAKE INTRUSIONS
AND SPATIALLY ASSOCIATED ROCK UNITS,
CENTRAL LABRADOR (NTS 13M AND 13N)**

A. Kerr

Open File LAB/1578

**St. John's, Newfoundland
October, 2012**

NOTE

Open File reports and maps issued by the Geological Survey Division of the Newfoundland and Labrador Department of Natural Resources are made available for public use. They have not been formally edited or peer reviewed, and are based upon preliminary data and evaluation.

The purchaser agrees not to provide a digital reproduction or copy of this product to a third party. Derivative products should acknowledge the source of the data.

DISCLAIMER

The Geological Survey, a division of the Department of Natural Resources (the “authors and publishers”), retains the sole right to the original data and information found in any product produced. The authors and publishers assume no legal liability or responsibility for any alterations, changes or misrepresentations made by third parties with respect to these products or the original data. Furthermore, the Geological Survey assumes no liability with respect to digital reproductions or copies of original products or for derivative products made by third parties. Please consult with the Geological Survey in order to ensure originality and correctness of data and/or products.

Recommended citation:

Kerr, A.

2012: Major- and trace-element geochemical data from the Pants Lake intrusions and spatially associated rock units, central Labrador (NTS 13M and 13N). Government of Newfoundland and Labrador, Department of Natural Resources, Geological Survey, Open File LAB/1578, 28 pages.



Mines

**MAJOR- AND TRACE-ELEMENT GEOCHEMICAL
DATA FROM THE PANTS LAKE INTRUSIONS
AND SPATIALLY ASSOCIATED ROCK UNITS,
CENTRAL LABRADOR (NTS 13M AND 13N)**

A. Kerr

Open File LAB/1578



St. John's, Newfoundland
October, 2012

CONTENTS

	Page
INTRODUCTION	1
CONTENTS OF THE DATABASE	1
FORMAT AND FILE STRUCTURE OF THE DATABASE	2
OTHER GEOCHEMICAL DATA FOR THE PANTS LAKE AREA	2
DESCRIPTION OF THE GEOCHEMICAL DATA	3
OUTCROP GEOCHEMISTRY DATABASE (Appendix 1 - Outcrop)	3
DRILL-CORE GEOCHEMISTRY DATABASE (Appendix 2 - Drill Core)	5
RARE-EARTH ELEMENT (REE) GEOCHEMISTRY DATABASE (Appendix 3 - REE)	5
DRILLHOLE LOCATION DATABASE (Appendix 4 - Drillhole Location)	5
REFERENCES	6
APPENDIX 1 - Outcrop	8
APPENDIX 2 - Drill Core	11
APPENDIX 3 - REE	26
APPENDIX 4 - Drillhole Location	28

INTRODUCTION

During the summers of 1996, 1997 and 1998, extensive field work was carried out in Labrador under the Labrador Nickel Project. The objectives of this project were to document examples of magmatic sulphide mineralization discovered in the wake of the Voisey's Bay discovery, and to understand the distribution of, and controls upon, such mineralization. The area around Pants Lake in central Labrador was one of the main areas of interest for mineral exploration and was also an important focus for the Labrador Nickel Project. The geology and geochemistry of the Pants Lake area were discussed in Current Research reports (Kerr, 1999; Kerr *et al.*, 2001), and in a paper published in American Journal of Science (Kerr, 2003). A Geological Survey report on the Pants Lake intrusions and their magmatic sulphide mineralization has recently been released (Kerr, 2012). This open file contains the geochemical data discussed and summarized in this final report and earlier publications. *Users should note that this open file is not intended as an independent document, and that the report by Kerr (2012) should be consulted if these data are to be used and interpreted.*

CONTENTS OF THE DATABASE

The database contains essentially all major- and trace-element geochemical data collected in the area of the Pants Lake intrusions. These analyses represent several different types of samples, as outlined below.

In 1996 and 1997, geochemical sampling was conducted in conjunction with field mapping. These include samples of mineralized outcrops, commonly accompanied by samples of unmineralized host rocks and associated rock types from the same general area, which were collected in order to better understand the setting of mineralization. Rock samples were also collected routinely during foot traverses within particular units, or particular areas, and many of these are not associated with mineralized localities. These were collected to provide reference examples of typical geological units, and also to provide regional background information – or simply because the rock type was unusual or interesting in some respect. The outcrop sampling conducted as part of this project is in no way areally systematic.

In 1997 and 1998, a large number of samples were collected from diamond-drill core. The purpose of this sampling was to better understand the 3-D geometry and geological relationships in areas of mineralization, and also to provide a representative archived collection of material that would otherwise remain inaccessible in future years. Samples include examples of all typical rock types intersected by drilling, and representative examples of sulphide mineralization. The sampling is representative, but not necessarily systematic, as it was not possible to examine every drillhole.

The geochemical data representing surface outcrops and the geochemical data representing diamond drill core are here presented in separate database files that have a common format. These files may easily be recombined by the user.

FORMAT AND FILE STRUCTURE OF THE DATABASE

The database consists of four digital files as Appendices 1 to 4 in the text Adobe (.pdf) file and also as individual comma delimited (.csv) format, which is readable by virtually all database management and spreadsheet programs. The four data files are as follows:

- **Appendix 1 - Outcrop:** This file contains locational, descriptive, major and trace element data from field (outcrop) samples.
- **Appendix 2 - Drill Core:** This file contains locational, descriptive, major and trace element data from drill-core samples of all types. It does not contain locational information for the drillholes themselves.
- **Appendix 3 - REE:** This file contains locational and rare-earth-element (REE) data for a subset of drill core samples. It does not contain locational information for the drillholes themselves.
- **Appendix 4 - Drillhole Location:** This file contains locational and other information for the drill holes that were sampled.

The data were stored as separate files because it is assumed that most users will require only selected information, and many users will not require precise locational information. However, the files can easily be recombined into a single large “relational database” in which they would each form a data table.

Users should note that *not all* of the data contained in this database is presented and/or interpreted by Kerr (2012) or earlier treatments. In addition to analyses of the Pants Lake Intrusions and associated mineralization, this open file contains analyses of older metamorphic and igneous rocks in the surrounding area, which are not specifically discussed. Users should also note that these analyses were also included in a previous open file containing geochemical data from a wider area of Labrador, including many other projects (Kerr, 2002; Open File LAB/1364). However, the Pants Lake area data are more extensively subdivided and classified in the present open file, which is specifically intended to accompany the project report by Kerr (2012).

OTHER GEOCHEMICAL DATA FOR THE PANTS LAKE AREA

The data in this open represents only part of the total geochemical database for the Pants Lake area, because large amounts of data were also acquired during mineral exploration. These data consist mostly of analyses for Ni, Cu, Co and S from mineralized outcrop and drill core samples. These data are summarized and discussed by Kerr (1999, 2003, 2012), but are not included in this open file. They are contained in the assessment reports for the area (Fitzpatrick *et al.*, 1998, 1999). Platinum-group-element (PGE) data for a subset of samples from the Pants Lake area were reported by Kerr (2002).

DESCRIPTION OF THE GEOCHEMICAL DATA

Most of the geochemical data in the database were acquired at the Department of Natural Resources laboratory in St. John's. Most major and trace elements were determined by inductively-coupled plasma emission spectrometry (ICP-ES) with the exception of Rb, which was determined by atomic absorption spectrometry (AAS). Data are complete for most elements, but only 25% of the samples were analyzed for Ga and 75% for Rb.

Information concerning accuracy and precision for ICP-ES analyses at the laboratory is provided by Finch (1998). Samples that gave results below detection limit for a specific element are arbitrarily recorded at half the relevant detection limit, to avoid problems with negative entries or non-numeric entries.

Rare-earth-element (REE) data (in the file Appendix 3 - REE.csv) were acquired at the Department of Earth Sciences, Memorial University of Newfoundland, by inductively-coupled plasma mass spectrometry (ICP-MS). Samples were fused with sodium peroxide prior to dissolution to ensure that all accessory minerals were fully dissolved.

OUTCROP GEOCHEMISTRY DATABASE (Appendix 1 - Outcrop)

This file contains some basic identification and descriptive information for each sample, and geochemical data. Variables of particular note are:

SAMPLE - The author's field number, which indicates the year of collection (*e.g.*, AK97005). In some cases more than one sample was collected, as indicated by designations A, B, etc.

LABNUM - Internal number used by laboratory for tracking data.

UTMeast, UTMnorth, UTMzone, Datum - Universal Transverse Mercator (UTM) coordinates, according to the NAD27 datum.

NTSMap - National Topographic System map number designation

GROUP - Code that indicates the area of the Pants Lake intrusions from which the sample came, as follows:

CA - Cartaway Intrusion

MH - Mineral Hill intrusions

NH - North Intrusion (Happy Face lobe)

NN - North Intrusion (NDT lobe)

NT - North Intrusion (Taheke Lake lobe)

OR - Other regional units (not assigned to Pants Lake Intrusions)

SI - South Intrusion

WM - Worm Intrusion

UNIT - Numeric code indicating the geological unit to which the sample is assigned, as follows:

Pants Lake Intrusions - unmineralized rocks

- 1 - fine grained, layered olivine gabbro
- 2 - peridotite or melagabbro
- 3 - coarse-grained, massive, leucogabbro
- 4 - fine to coarse grained black olivine gabbro
- 5 - diabase

Pants Lake Intrusions - mineralized rocks

- 20 - unclassified mineralized rocks
- 21 - composite gabbro (sulphide-poor)
- 22 - composite gabbro (sulphide-rich)
- 23 - leopard-textured gabbro
- 24 - sulphide-bearing fine-grained gabbro
- 25 - basal barren gabbro
- 26 - mineralized poikilitic olivine diabase

Other rock types (not assigned to Pants Lake Intrusions)

- 10 - gneisses
- 11 - granitoid rocks
- 12 - mafic rocks

- 99 - affinity unknown

Note that these units do not correspond to the unit numbers on the accompanying geological map, in large part because the map cannot show all of the rock types represented in the geochemical database.

SYMBOL - A numeric code used to determine the type of symbol displayed in charts constructed from the data.

ROCKTYPE - A 4-character code that indicates the rock type, based essentially on field descriptions. Note that these designations were preliminary, and may not be 100% accurate. Not all samples have yet been 'updated' in the light of petrographic data. The codes are as follows:

- AMPH - amphibolite
- ANOR - anorthosite
- BGBR - basal barren gabbro
- CGBR - composite gabbro
- DIBS - diabase
- DORT - diorite
- FEDT - ferrodiorite
- GBNT - gabbronorite
- GGBR - gabbro
- GNSS - gneiss
- GOSS - gossan
- GRNT - granitoid
- LEOP - leopard-textured gabbro

LCGB - leucogabbro
LCNT - leuconorite
MEGB - melagabbro
MNSQ - mineralized sequence (undiv.)
MNZN - monzonite
NORT - norite
OTHR - other
OXID - oxide-rich mineralization
PODS - poikilitic olivine diabase
PXNT - pyroxenite
QZDT - qtz diorite
SBGR - sulphide-rich gabbro
SULF - sulphide-rich mineralization
TROC - troctolite
UCTN - uncertain
UMAF - ultramafic

Users should note that not all of these codes are represented in this open file.

SiO₂ to LOI - Major element data (wt%), variable names corresponding to oxides. Note that if LOI is missing (*i.e.*, -99), it means that there was a weight gain on ignition, due to oxidation of Fe. This is typically a problem with Fe-rich samples that contain sulphides and oxides.

Li to Pb - Trace element data (ppm), variable names corresponding to chemical symbols; -99 indicates sample was not measured for this element.

DRILL-CORE GEOCHEMISTRY DATABASE (Appendix 2 - Drill Core)

This file contains many of the same variables as the outcrop geochemistry database and the codes outlined above apply. Note that drill-core samples have a different numbering format in the variable SAMPLE. Note also that the locational information in the file consists only of the drill-hole number and the sample depth, a value at the approximate midpoint. Drill-core samples were generally between 10 cm and 30 cm in length, depending upon grain size and whether or not the drill core was split.

RARE-EARTH-ELEMENT (REE) GEOCHEMISTRY DATABASE (Appendix 3 - REE)

This file contains rare-earth-element data as well as associated elements for a subset of drill-core samples. It contains the same locational information as the larger file containing data from drill-core samples. In addition to the rare-earth-element data, the file contains results for Y, Zr, Nb, Ba, Hf, Ta and Th, as analyzed by Memorial University of Newfoundland and Labrador.

DRILLHOLE LOCATION DATABASE (Appendix 4 - Drillhole Location)

The locations of all the drillholes that were sampled are shown by Kerr (1999, 2004) and listed in assessment reports for the area (Fitzpatrick *et al.*, 1998, 1999). For the convenience of users

who wish to locate drillholes on maps or plot the drillhole plan trace or drill sections, this database contains the drillhole collar locations, elevations, azimuth, dip and total length values. The file also contains the number of the mineral exploration license upon which the drillhole was located. UTM coordinates are all in zone 20, and refer to the NAD27 datum.

Note that this file contains only the information for those drillholes that were sampled as part of this project. The assessment reports (Ware *et al.*, 1997; Fitzpatrick *et al.*, 1998, 1999) contain information on other drillholes completed in the area.

REFERENCES

Finch, C.

1998: Inductively-coupled plasma emission spectroscopy (ICP-ES) at the Departmental Laboratory. Newfoundland Department of Mines and Energy, Geological Survey Branch, Report 98-1, pages 179-195.

Fitzpatrick, D., Moore, P., MacGillivray, G., House, S. and Emon, K.

1998: Report of work, South Voisey's Bay Project, Central Labrador: Core program 1997-98. Teck Exploration Limited, unpublished assessment report submitted to the Department of Mines and Energy.

1999: Report of work, South Voisey's Bay Project, Central Labrador: Core program 1998-99. Teck Exploration Limited, unpublished assessment report submitted to the Department of Mines and Energy.

Kerr, A.

1999: Mafic rocks of the Pants Lake Intrusion and related Ni-Cu-Co mineralization in north-central Labrador. *In* Current Research. Newfoundland Department of Mines and Energy, Geological Survey, Report 99-1, pages 215-253.

2002: A reconnaissance study of platinum-group-element (PGE) contents from magmatic sulphide mineralization in Labrador. *In* Current Research. Newfoundland and Labrador Department of Mines and Energy, Geological Survey, Report 2002-1, pages 327-343.

2003: Nickeliferous gabbroic intrusions of the Pants Lake area, Labrador, Canada: Implications for the development of magmatic sulfides in mafic systems. *American Journal of Science*, Volume 303, pages 221-258.

2012: The Pants Lake Intrusions, central Labrador: Geology, geochemistry and magmatic Ni-Cu-Co sulphide mineralization (parts of NTS 13N/05, 13N/12, 12M/08 and 13M/09). Government of Newfoundland and Labrador, Department of Natural Resources, Geological Survey, St. John's, Report 12-02, 135 pages.

Kerr, A., MacDonald, H.E. and Naldrett, A.J.

2001: Geochemistry of the Pants Lake Intrusion, Labrador: Implications for future mineral exploration. *In* Current Research. Newfoundland and Labrador Department of Mines and Energy, Geological Survey, Report 2001-1, pages 191-228.

Wares, R. and tohers

1997: Summary report on 1996 program and proposed 1997 exploration program, South Voisey's Bay Project. Donner Resources Ltd., unpublished assessment report submitted to Newfoundland Department of Mines and Energy, Geological Survey, File LAB/1213.

Appendix 1 - Outcrop

Sample	Labnum	UTMeast	UTMnorth	UTMzone	Datum	NTSMap	Group	Unit	Symbol	Rocktype	SiO2 pct
AK96283	6340141	558489	6149023	20	NAD27	13M/08	NN	24	13	SGBR	45.91
AK96285A	6340142	561882	6152467	20	NAD27	13M/09	NH	3	2	LCGB	47.47
AK96285B	6340143	561882	6152467	20	NAD27	13M/09	NH	24	13	SGBR	43.13
AK96286A	6340144	564200	6150461	20	NAD27	13N/05	NH	24	13	SGBR	47.60
AK96286B	6340145	564200	6150461	20	NAD27	13N/05	NH	24	13	SGBR	37.84
AK97151	6340245	562101	6150869	20	NAD27	13M/09	NH	24	13	SGBR	47.28
AK97153	6340246	562523	6150959	20	NAD27	13M/09	NH	24	13	SGBR	70.43
AK97155	6340247	562782	6150683	20	NAD27	13M/08	NH	3	2	LCGB	47.75
AK97159	6340248	567700	6148550	20	NAD27	13M/08	WM	3	2	LCGB	47.89
AK97164	6340249	568754	6147166	20	NAD27	13N/05	WM	3	2	LCGB	48.00
AK97165	6340251	568930	6146745	20	NAD27	13N/05	WM	3	2	LCGB	48.21
AK97168	6340252	560247	6152629	20	NAD27	13M/09	NH	99	0	OTHR	62.04
AK97171	6340253	559146	6152233	20	NAD27	13M/09	NN	3	2	LCGB	48.15
AK97173	6340254	558939	6151606	20	NAD27	13M/09	NN	3	2	LCGB	48.98
AK97174	6340255	560089	6150553	20	NAD27	13M/08	NN	3	2	LCGB	52.04
AK97175	6340256	559909	6149885	20	NAD27	13M/08	NN	99	2	LCGB	58.25
AK97176	6340257	555950	6150467	20	NAD27	13M/08	NN	1	3	GBBR	48.67
AK97178	6340258	555730	6150355	20	NAD27	13M/08	NN	1	3	GBBR	47.75
AK97179	6340259	555730	6150300	20	NAD27	13M/08	NN	1	3	GBBR	47.64
AK97181	6340261	553849	6150667	20	NAD27	13M/08	NN	1	3	GBBR	47.92
AK97182	6340262	553396	6150667	20	NAD27	13M/08	NN	1	3	GBBR	48.80
AK97183	6340263	551500	6151300	20	NAD27	13M/09	NN	5	1	DIBS	48.90
AK97184	6340264	558300	6149696	20	NAD27	13M/08	NN	1	3	GBBR	45.68
AK97185	6340265	557623	6152396	20	NAD27	13M/09	NT	99	0	GBBR	50.07
AK97188	6340266	560715	6155316	20	NAD27	13M/09	NT	4	7	GBBR	48.91
AK97189A	6340267	561208	6153595	20	NAD27	13M/09	NT	3	2	LCGB	48.09
AK97189B	6340268	561208	6153595	20	NAD27	13M/09	NT	99	0	GRNT	69.37
AK97190	6340269	565998	6151114	20	NAD27	13N/12	NH	3	2	LCGB	48.51
AK97191	6340455	565998	6151098	20	NAD27	13N/12	NH	22	13	CGBR	-99.00
AK97192	6340271	565998	6151075	20	NAD27	13N/12	NH	22	13	CGBR	45.09
AK97194A	6340272	571724	6140202	20	NAD27	13N/05	SI	12	0	ANOR	50.87
AK97194B	6340273	571724	6140202	20	NAD27	13N/05	SI	5	1	DIBS	48.28
AK97195	6340274	571900	6138850	20	NAD27	13N/05	SI	1	3	GBBR	47.15
AK97196	6340275	573500	6144400	20	NAD27	13N/05	SI	1	3	GBBR	46.96
AK97197	6340276	569298	6144553	20	NAD27	13N/05	MH	3	2	LCGB	47.62
AK97198A	6340277	569182	6143632	20	NAD27	13N/05	MH	1	3	GBBR	44.37
AK97198B	6340278	569182	6143632	20	NAD27	13N/05	MH	24	13	SGBR	41.10
AK97199	6340279	569283	6143804	20	NAD27	13N/05	MH	24	13	SGBR	46.17
AK97200	6340281	569280	6143860	20	NAD27	13N/05	MH	3	2	LCGB	47.74
AK97202	6340282	568618	6144204	20	NAD27	13N/05	MH	1	3	GBBR	47.69
AK97203	6340283	568674	6144200	20	NAD27	13N/05	MH	24	13	SGBR	47.53
AK97204	6340284	572874	6142733	20	NAD27	13N/05	MH	1	3	GBBR	46.79
AK97205	6340285	570600	6142600	20	NAD27	13N/05	MH	1	3	GBBR	47.17
AK97206	6340286	557771	6150457	20	NAD27	13M/08	NN	1	3	GBBR	43.66
AK97207	6340287	557750	6150027	20	NAD27	13M/08	NN	1	3	GBBR	45.33
AK97208	6340288	557814	6149570	20	NAD27	13M/08	NN	1	3	GBBR	44.78
AK97209	6340289	557848	6149379	20	NAD27	13M/08	NN	1	3	GBBR	44.96
AK97210	6340291	557762	6149317	20	NAD27	13M/08	NN	1	3	GBBR	45.01
AK98131	6341488	562770	6158698	20	NAD27	13M/09	OR	12	0	ANOR	54.01
AK98132	6341406	560563	6156880	20	NAD27	13M/09	OR	12	0	DORT	49.11
AK98149	6341416	549385	6160812	20	NAD27	13M/09	OR	11	0	GRNT	54.90
AK98150	6341417	557554	6158514	20	NAD27	13M/09	OR	12	0	DORT	52.42
AK98151	6341418	561215	6165839	20	NAD27	13M/09	OR	12	0	ANOR	54.56
AK98152	6341419	561162	6165755	20	NAD27	13M/09	OR	12	0	DORT	58.02
AK98153	6341421	569644	6161525	20	NAD27	13N/12	OR	10	0	GNSS	53.01
AK98158	6341422	591175	6138983	20	NAD27	13N/05	OR	12	0	ANOR	50.46
AK98159	6341423	565322	6145245	20	NAD27	13N/05	OR	11	0	GRNT	69.32
AK98164	6341424	559771	6142345	20	NAD27	13M/08	CA	1	3	GBBR	47.73
AK98169	6341425	560291	6155667	20	NAD27	13M/09	NT	4	7	GBBR	49.27
AK98172	6341426	559938	6155240	20	NAD27	13M/09	NT	3	2	LCGB	48.53
AK98174	6341427	560603	6156158	20	NAD27	13M/09	NT	4	7	GBBR	46.17

Appendix 1 - Outcrop

Sample	TiO2 pct	Al2O3 pct	Fe2O3 pct	MnO pct	MgO pct	CaO pct	Na2O pct	K2O pct	P2O5 pct	LOI pct	Li ppm	Be ppm	Sc ppm	Ti ppm	V ppm
AK96283	1.12	19.06	11.69	0.16	7.45	9.92	2.76	0.32	0.11	-99.00	4.9	0.3	16.6	7299	126
AK96285A	1.14	19.55	10.77	0.15	5.34	10.20	3.08	0.31	0.11	0.57	5.5	0.4	21.7	7863	141
AK96285B	1.12	14.94	17.49	0.13	6.29	7.43	2.49	0.26	0.12	4.76	4.2	0.4	20.4	7724	147
AK96286A	1.25	16.16	13.25	0.18	8.51	8.42	2.77	0.49	0.13	-99.00	6.6	0.4	21.9	8646	156
AK96286B	0.65	14.28	25.99	0.15	6.81	7.00	2.11	0.22	0.07	3.49	4.8	0.2	11.5	4405	107
AK97151	1.25	18.25	13.39	0.18	7.29	9.58	3.09	0.34	0.11	-99.00	4.9	0.4	23.4	7907	141
AK97153	0.36	14.12	3.42	0.03	0.67	1.57	3.11	4.04	0.12	1.08	15.4	2.8	5.8	2645	27
AK97155	0.97	21.52	10.62	0.15	5.34	10.35	3.33	0.32	0.10	0.24	4.8	0.3	16.4	6304	96
AK97159	2.74	14.09	15.10	0.21	5.11	10.18	3.67	0.62	0.11	0.90	8.2	0.5	63.8	16994	524
AK97164	1.05	21.86	9.82	0.14	5.37	10.37	3.38	0.31	0.10	0.07	4.0	0.3	18.9	6793	116
AK97165	1.28	16.82	13.55	0.18	7.59	9.00	3.01	0.46	0.14	0.12	5.7	0.5	26.3	8474	152
AK97168	0.81	14.63	7.25	0.10	3.47	4.95	3.42	1.55	0.12	1.08	17.9	1.1	17.1	5517	100
AK97171	1.01	21.75	9.53	0.13	4.93	10.81	3.49	0.38	0.09	0.60	5.8	0.4	19.6	6511	113
AK97173	0.66	23.90	6.89	0.09	3.69	11.59	3.30	0.24	0.06	0.38	3.4	0.2	15.5	4274	90
AK97174	0.48	20.35	7.18	0.10	5.30	7.58	4.01	0.90	0.06	2.54	37.4	0.5	11.2	3070	69
AK97175	0.45	21.46	4.01	0.05	1.57	7.21	2.92	2.72	0.05	1.79	14.6	0.7	10.0	2987	60
AK97176	0.86	22.37	8.87	0.12	4.50	10.45	3.49	0.30	0.07	0.21	3.9	0.3	15.7	5458	88
AK97178	1.03	19.48	11.69	0.16	7.21	9.93	3.15	0.30	0.09	0.05	4.0	0.3	20.4	6520	121
AK97179	0.76	22.39	8.98	0.12	6.60	10.70	3.13	0.25	0.06	0.06	2.9	0.2	12.8	4840	83
AK97181	0.95	21.24	10.52	0.14	5.85	10.50	3.27	0.29	0.09	0.19	3.8	0.3	17.8	5912	110
AK97182	0.91	22.57	8.75	0.12	4.48	10.94	3.43	0.29	0.08	0.48	3.6	0.3	18.5	5789	115
AK97183	1.78	14.49	15.21	0.22	5.49	7.70	2.75	1.01	0.26	2.74	15.2	0.7	32.1	11507	181
AK97184	0.42	19.47	10.58	0.13	11.73	9.44	2.36	0.16	0.04	-99.00	1.6	0.2	8.3	2728	58
AK97185	1.75	15.10	14.74	0.21	5.82	7.86	2.94	1.07	0.24	1.11	23.2	0.7	33.6	11508	177
AK97188	0.77	22.73	7.41	0.10	3.90	11.34	3.23	0.24	0.06	0.31	3.4	0.3	20.4	4845	124
AK97189A	0.96	22.06	9.22	0.12	4.53	10.65	3.20	0.29	0.10	0.31	3.6	0.4	16.4	6132	106
AK97189B	0.61	13.87	4.05	0.04	1.10	1.58	3.31	3.86	0.10	2.04	10.9	0.9	9.7	4280	48
AK97190	0.81	21.87	9.46	0.13	5.02	10.38	3.33	0.33	0.08	0.40	4.1	0.3	17.5	5231	104
AK97191	-99.00	-99.00	-99.00	-99.00	-99.00	-99.00	-99.00	-99.00	-99.00	-99.00	5.6	0.6	24.1	8689	155
AK97192	1.12	19.37	15.09	0.18	6.91	8.85	2.88	0.43	0.08	0.43	6.9	0.4	22.7	7000	182
AK97194A	2.51	21.35	8.17	0.10	2.02	8.43	4.56	0.81	0.27	1.36	17.5	0.8	13.4	15893	204
AK97194B	1.97	14.54	14.71	0.20	5.62	8.31	2.76	0.94	0.29	2.21	9.0	0.8	32.9	12725	203
AK97195	1.25	19.92	10.21	0.12	8.77	8.86	3.58	0.40	0.23	0.01	2.7	0.3	9.6	8252	67
AK97196	1.70	19.56	10.64	0.14	8.03	9.08	3.55	0.50	0.38	0.32	3.1	0.4	12.2	10759	88
AK97197	1.11	21.10	10.21	0.14	5.37	10.70	3.31	0.34	0.10	0.61	6.2	0.5	21.4	6993	133
AK97198A	0.67	17.34	15.73	0.15	8.88	8.32	2.80	0.22	0.06	0.82	4.9	0.3	11.6	4132	92
AK97198B	0.62	15.88	19.39	0.14	7.61	7.41	2.55	0.23	0.06	3.83	3.6	0.3	12.6	3894	95
AK97199	0.82	17.14	14.29	0.16	7.93	8.91	2.71	0.31	0.09	0.74	6.4	0.4	18.3	5213	118
AK97200	1.17	20.77	10.61	0.14	5.26	10.38	3.31	0.49	0.10	0.49	3.7	0.4	20.8	7887	144
AK97202	1.05	17.04	13.08	0.18	9.68	8.77	2.88	0.35	0.10	-99.00	3.9	0.4	19.9	6868	131
AK97203	1.19	16.19	13.93	0.19	8.71	8.80	2.86	0.40	0.13	0.44	5.3	0.5	24.8	8022	151
AK97204	1.56	18.90	10.01	0.12	9.52	9.04	3.21	0.49	0.34	0.45	3.1	0.4	10.8	9931	79
AK97205	1.85	14.41	17.15	0.23	7.77	8.19	2.79	0.72	0.26	-99.00	7.3	0.7	29.4	11875	173
AK97206	0.61	14.05	15.88	0.19	16.28	7.42	1.89	0.16	0.05	-99.00	2.7	0.2	12.2	3745	70
AK97207	0.54	18.74	11.71	0.15	10.35	9.29	2.44	0.18	0.06	-99.00	1.7	0.2	10.0	3380	61
AK97208	0.52	14.67	14.43	0.17	16.25	7.94	1.82	0.15	0.05	0.19	2.0	0.2	12.8	3464	73
AK97209	0.63	17.31	12.80	0.17	10.81	8.74	2.31	0.21	0.07	-99.00	2.4	0.2	11.2	3990	71
AK97210	0.89	15.00	15.11	0.19	11.86	7.42	2.50	0.30	0.11	0.06	3.2	0.3	13.1	5539	86
AK98131	0.52	25.55	3.71	0.02	1.34	7.95	5.05	0.82	0.05	1.67	18.5	0.4	3.4	3113	30
AK98132	2.79	13.44	16.81	0.20	2.20	7.71	3.17	1.90	1.34	1.00	9.5	1.4	33.4	17080	113
AK98149	2.66	12.96	14.89	0.18	2.16	5.80	3.41	2.81	0.72	0.17	15.1	1.7	28.7	16385	143
AK98150	1.65	21.09	7.58	0.09	1.23	8.77	4.31	1.13	0.44	1.27	9.2	0.9	16.5	10022	83
AK98151	0.98	23.03	4.77	0.06	0.69	8.68	4.65	1.18	0.19	1.56	8.8	0.7	8.5	6295	54
AK98152	1.73	12.45	14.76	0.17	1.01	4.51	3.55	3.19	0.57	-99.00	14.4	2.6	26.1	10614	41
AK98153	2.38	16.08	14.29	0.19	2.97	6.36	3.20	0.96	0.88	0.43	19.1	3.5	28.5	14796	133
AK98158	1.28	24.60	6.03	0.07	1.52	10.18	4.35	1.03	0.52	0.38	13.2	0.8	7.5	8207	51
AK98159	0.43	14.18	4.48	0.05	0.14	1.81	3.29	5.86	0.08	0.91	16.2	2.2	8.5	2869	1
AK98164	2.05	15.64	15.62	0.20	6.32	8.89	2.86	0.71	0.26	-99.00	10.0	0.7	33.1	11897	220
AK98169	0.61	23.86	7.20	0.10	3.18	11.66	3.04	0.52	0.08	0.41	6.9	0.3	15.3	3933	100
AK98172	0.60	23.68	8.33	0.11	4.46	11.48	3.28	0.24	0.06	0.27	4.1	0.2	14.8	3798	101
AK98174	1.10	23.86	8.63	0.12	3.95	12.10	3.39	0.32	0.10	0.35	6.3	0.3	18.7	6664	140

Appendix 1 - Outcrop

Sample	Cr ppm	Mn ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm	Ga ppm	Rb ppm	Sr ppm	Y ppm	Zr ppm	Nb ppm	Mo ppm	Ba ppm	La ppm	Ce ppm	Dy ppm	Pb ppm
AK96283	52	1204	61	56	29	89	22	8	283	17	65	4	1	152	7	15	2.7	1
AK96285A	46	1173	45	32	30	88	22	7	324	20	69	4	1	158	8	15	3.2	1
AK96285B	119	1035	198	615	843	97	23	7	248	19	83	3	5	205	9	21	3.0	19
AK96286A	65	1427	66	67	39	107	21	9	271	21	79	3	1	230	10	22	3.4	1
AK96286B	70	1176	417	3171	4093	145	20	2	223	11	51	1	1	147	5	10	1.6	9
AK97151	41	1345	63	48	39	98	21	-99	313	21	72	3	1	176	7	18	3.4	1
AK97153	16	255	20	145	88	67	24	-99	157	16	150	11	1	596	44	88	2.9	29
AK97155	17	1125	51	33	30	86	23	-99	362	18	68	4	1	165	6	15	2.6	1
AK97159	39	1596	49	16	86	117	25	-99	253	30	93	6	1	257	8	23	4.6	1
AK97164	29	1042	47	34	31	80	21	-99	363	19	66	4	1	163	6	15	2.8	1
AK97165	56	1395	61	31	34	105	22	-99	308	24	90	4	1	246	10	24	3.7	1
AK97168	37	812	36	38	36	88	21	-99	310	18	100	5	1	444	20	39	2.7	6
AK97171	27	1021	43	30	32	78	20	-99	382	18	69	3	1	167	6	15	2.7	1
AK97173	27	741	34	24	23	56	23	-99	416	13	40	2	1	130	4	9	1.7	1
AK97174	35	766	39	35	25	51	21	-99	340	11	48	3	1	236	9	19	1.6	1
AK97175	26	382	15	10	18	50	25	-99	355	19	94	6	1	564	24	43	2.7	8
AK97176	24	929	43	31	30	72	27	-99	390	16	49	3	1	161	5	12	2.2	1
AK97178	50	1239	64	54	33	91	25	-99	325	18	64	3	1	162	6	15	2.8	1
AK97179	26	906	53	57	24	69	24	-99	376	13	48	3	1	128	4	11	1.7	1
AK97181	31	1095	52	39	30	81	26	-99	360	17	58	3	1	155	5	14	2.3	1
AK97182	29	943	41	30	30	71	27	-99	381	17	54	3	1	149	6	14	2.3	1
AK97183	44	1589	47	8	29	128	28	-99	289	30	131	7	1	417	20	44	4.6	3
AK97184	61	1029	85	158	15	71	20	-99	286	9	26	1	1	97	3	8	0.8	1
AK97185	49	1575	47	9	23	134	25	-99	308	30	125	6	1	452	18	41	4.5	6
AK97188	47	828	35	24	23	60	20	-99	393	14	40	2	1	134	4	10	1.8	1
AK97189A	17	992	42	30	31	76	22	-99	380	18	59	2	1	156	6	14	2.4	1
AK97189B	14	344	11	7	9	68	19	-99	141	27	125	10	1	913	51	98	4.6	23
AK97190	38	965	45	39	29	71	19	-99	362	16	56	2	1	147	5	13	2.1	1
AK97191	48	1401	65	81	70	101	25	-99	292	23	70	1	1	186	8	20	3.7	1
AK97192	135	1267	126	286	234	118	25	-99	283	16	55	1	1	151	5	15	2.1	1
AK97194A	11	764	25	7	26	72	26	-99	473	18	183	9	1	434	17	35	2.5	1
AK97194B	70	1518	48	14	31	139	25	-99	317	33	145	8	1	447	21	47	5.1	3
AK97195	81	919	58	110	30	75	18	-99	470	12	67	4	1	257	8	21	1.6	1
AK97196	95	947	57	119	44	77	18	-99	452	15	83	6	1	265	11	28	2.2	1
AK97197	35	1118	46	37	36	84	24	-99	366	20	66	1	1	161	7	15	3.1	1
AK97198A	60	1244	134	286	348	100	19	-99	273	12	40	1	2	123	4	12	2.0	8
AK97198B	66	1240	226	646	681	114	19	-99	275	14	43	1	2	120	4	14	2.5	12
AK97199	72	1330	97	159	191	104	23	-99	294	15	53	1	2	182	7	17	2.4	3
AK97200	35	1111	47	34	40	89	20	-99	361	20	69	3	1	190	6	17	2.7	1
AK97202	59	1336	75	65	31	100	17	-99	279	18	63	2	1	186	6	18	2.4	1
AK97203	62	1425	68	51	45	107	19	-99	280	23	78	3	1	216	8	22	3.1	1
AK97204	102	895	61	158	32	74	16	-99	454	15	80	5	1	246	11	26	1.9	1
AK97205	70	1648	71	40	36	137	23	-99	273	30	132	6	1	353	16	39	4.5	2
AK97206	94	1444	115	183	29	103	14	-99	204	10	28	1	1	102	3	12	1.1	3
AK97207	70	1061	90	150	20	79	17	-99	270	10	35	1	1	104	3	9	1.1	1
AK97208	95	1301	112	207	23	94	16	-99	217	11	29	1	1	97	3	10	1.3	1
AK97209	62	1183	96	165	22	85	19	-99	258	12	44	1	1	111	4	11	1.5	1
AK97210	44	1348	111	147	22	95	17	-99	215	16	63	2	1	145	6	17	2.3	1
AK98131	8	144	5	2	2	27	-99	8	514	5	25	3	2	384	7	9	0.7	1
AK98132	6	1455	33	1	11	169	-99	33	293	53	236	23	2	693	57	109	9.3	10
AK98149	16	1266	26	2	13	165	-99	48	236	58	354	23	2	980	63	116	9.9	12
AK98150	13	623	17	3	6	84	-99	16	464	27	172	11	2	582	29	51	4.6	1
AK98151	9	413	10	3	4	64	-99	16	496	20	156	8	2	556	25	42	3.2	1
AK98152	4	1197	18	1	10	192	-99	70	200	74	484	25	2	1143	85	152	12.5	19
AK98153	20	1425	31	6	31	200	-99	16	239	47	100	46	1	492	46	96	8.8	7
AK98158	10	513	18	14	10	61	-99	13	514	23	131	11	2	595	28	49	3.8	1
AK98159	5	367	2	1	2	111	-99	159	152	53	458	17	1	1860	91	153	9.0	31
AK98164	76	1503	55	21	22	137	-99	9	293	33	129	8	1	373	17	35	5.6	2
AK98169	37	728	30	20	16	67	-99	9	396	15	53	3	1	196	8	15	2.6	1
AK98172	36	784	38	30	19	66	-99	5	373	11	32	4	2	115	4	8	1.9	1
AK98174	34	834	36	28	22	74	-99	7	378	16	52	3	1	141	5	11	2.8	1

Appendix 2 - Drill Core

Sample	Labnum	Drillhole	Depth m	Group	Unit	Symbol	Rocktype	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3 pct	MnO pct	MgO pct	CaO pct
AKC0639	6340818	SVB-96-02	6.7	NH	24	13	SGBR	47.43	1.18	16.43	13.58	0.17	9.81	8.73
AKC0640	6340819	SVB-96-02	18.9	NH	23	13	LEOP	40.56	0.84	14.22	23.20	0.17	8.01	7.39
AKC0642	6340821	SVB-96-02	38.1	NH	24	13	SGBR	47.40	1.27	15.82	13.81	0.18	8.08	8.88
AKC0644	6340822	SVB-96-02	73.2	NH	24	13	SGBR	48.69	1.42	15.45	13.65	0.18	7.11	8.51
AKC0645	6340823	SVB-96-02	91.8	NH	5	1	DIBS	50.95	1.85	14.12	15.10	0.20	4.77	7.61
AKC0646	6340824	SVB-96-02	93.0	NH	12	0	GBBR	60.02	1.10	14.03	10.18	0.11	3.37	4.55
AKC0647	6340825	SVB-96-04	3.7	NN	1	3	TROC	44.33	1.06	13.07	17.73	0.23	12.71	7.55
AKC0648	6340826	SVB-96-04	25.9	NN	1	3	GBBR	45.53	1.40	14.48	16.12	0.21	10.12	8.22
AKC0652	6340827	SVB-96-04	57.9	NN	21	13	CGBR	45.98	0.72	17.72	12.45	0.15	9.01	8.78
AKC0654	6340828	SVB-96-04	79.3	NN	10	0	GNSS	63.06	0.67	16.32	7.81	0.07	2.81	1.20
AKC0655	6340829	SVB-96-36	10.7	MH	3	2	LCGB	47.33	1.31	18.68	11.47	0.15	5.27	9.97
AKC0656	6340831	SVB-96-36	74.4	MH	3	2	LCGB	46.94	0.99	17.87	12.72	0.16	7.83	9.42
AKC0657	6340832	SVB-96-36	97.9	MH	1	3	GBBR	46.78	1.11	17.06	12.73	0.16	9.71	8.98
AKC0658	6340833	SVB-96-36	102.7	MH	24	13	SGBR	39.12	0.57	13.60	23.81	0.18	11.52	7.15
AKC0659	6340834	SVB-96-36	109.8	MH	24	13	SGBR	35.24	0.75	13.38	31.95	0.18	6.13	7.16
AKC0660	6340835	SVB-96-36	141.2	MH	25	13	BGBR	49.24	1.70	14.31	16.54	0.19	5.29	7.72
AKC0661	6340836	SVB-96-51	31.7	NH	5	1	DIBS	51.69	0.63	15.14	9.43	0.14	6.65	8.90
AKC0662	6340837	SVB-96-51	97.3	NH	3	2	LCGB	49.30	1.14	18.80	10.78	0.13	5.08	9.24
AKC0663	6340838	SVB-96-05	15.2	NH	3	2	LCGB	48.35	0.93	19.10	11.46	0.15	6.03	9.74
AKC0665	6340839	SVB-96-05	51.8	NH	22	13	CGBR	45.30	0.57	19.63	13.38	0.14	8.36	9.52
AKC0666	6340896	SVB-96-05	47.2	NH	22	13	CGBR	47.27	1.07	17.72	13.52	0.17	7.51	9.73
AKC0668	6340843	SVB-96-03	11.6	NH	23	13	LEOP	37.24	0.50	13.93	27.59	0.15	7.40	7.20
AKC0669	6340844	SVB-96-03	27.4	NH	24	13	SGBR	46.59	1.34	15.66	14.26	0.17	7.88	8.41
AKC0670	6340845	SVB-96-45	7.6	MH	21	13	CGBR	42.97	0.74	17.33	17.67	0.14	6.37	8.14
AKC0671	6340846	SVB-96-45	28.4	MH	24	13	SGBR	49.02	1.28	16.36	13.61	0.18	7.61	9.16
AKC0673	6340847	SVB-96-45	43.3	MH	10	0	GNSS	61.89	0.64	14.74	10.91	0.05	3.32	1.66
AKC0674	6340848	SVB-96-45	64.3	MH	10	0	GNSS	56.91	0.88	18.88	6.13	0.01	3.29	4.38
AKC0675	6340849	SVB-96-44	11.3	NH	3	2	LCGB	47.96	0.91	21.12	9.99	0.11	4.90	10.46
AKC0676	6340851	SVB-96-44	29.0	NH	22	13	CGBR	43.62	0.63	17.58	15.69	0.18	8.83	9.05
AKC0677	6340852	SVB-96-44	29.6	NH	24	13	SGBR	44.40	1.01	16.77	14.73	0.15	9.37	8.62
AKC0678	6340853	SVB-96-44	40.9	NH	10	0	GNSS	65.57	0.85	14.50	6.52	0.03	1.64	3.21
AKC0679	6340854	SVB-96-43	23.2	NH	3	2	LCGB	48.57	0.97	20.51	11.56	0.14	4.91	10.38
AKC0680	6340855	SVB-96-43	30.2	NH	3	2	LCGB	47.54	1.09	20.21	11.65	0.14	5.29	10.50
AKC0681	6340856	SVB-96-43	42.1	NH	24	13	SGBR	43.78	0.66	17.00	15.24	0.15	10.16	8.44
AKC0684	6340857	SVB-96-42	12.8	NH	24	13	SGBR	46.48	0.86	18.33	13.35	0.14	9.59	9.12
AKC0685	6340858	SVB-96-42	28.1	NH	24	13	SGBR	46.68	1.26	15.78	16.19	0.17	6.82	8.65
AKC0686	6340859	SVB-96-42	41.2	NH	24	13	SGBR	47.97	1.28	15.83	14.50	0.18	7.13	8.70
AKC0687	6340861	SVB-96-50	12.2	NH	3	2	LCGB	48.31	1.02	21.39	10.70	0.13	4.66	10.40
AKC0688	6340862	SVB-96-50	28.1	NH	22	13	CGBR	47.15	1.28	17.88	12.89	0.16	7.38	9.92
AKC0689	6340863	SVB-96-50	49.4	NH	24	13	SGBR	48.50	1.27	15.19	15.64	0.19	7.97	8.49
AKC0691	6340864	SVB-96-50	58.8	NH	10	0	GNSS	66.12	0.78	14.68	5.97	0.02	1.32	3.13
AKC0692A	6340865	SVB-96-50	80.8	NH	12	0	DORT	49.84	0.83	17.02	10.17	0.10	5.11	9.59
AKC0692B	6340866	SVB-96-50	80.8	NH	12	0	DORT	51.31	0.73	16.36	9.49	0.13	5.93	9.82
AKC0693	6340867	SVB-96-50	93.0	NH	12	0	DORT	50.44	0.73	15.40	10.45	0.17	6.87	9.31
AKC0694	6340868	SVB-96-49	20.1	MH	3	13	LCGB	47.63	1.19	19.94	11.99	0.15	5.59	10.15
AKC0695	6340869	SVB-96-49	43.3	MH	24	13	SGBR	41.14	0.66	14.29	21.95	0.16	10.77	7.47
AKC0697	6340871	SVB-96-48	43.9	MH	24	13	SGBR	45.38	1.10	15.55	17.78	0.17	8.37	8.25
AKC0699	6340872	SVB-96-48	55.8	MH	25	13	BGBR	47.65	1.27	15.82	13.73	0.18	8.10	8.57
AKC0700	6340873	SVB-96-48	63.7	MH	5	1	DIBS	50.68	1.78	14.66	14.59	0.17	5.25	7.79
AKC0701	6340874	SVB-96-48	63.1	MH	5	1	DIBS	49.17	1.66	15.25	14.59	0.19	6.11	8.79
AKC0702	6340875	SVB-96-20	6.1	NH	3	2	LCGB	48.64	0.79	20.93	9.34	0.11	4.89	10.54
AKC0703	6340876	SVB-96-20	35.1	NH	22	13	CGBR	47.44	1.56	16.58	14.00	0.18	6.48	9.69
AKC0705	6340877	SVB-97-56	80.7	NH	5	1	DIBS	49.31	1.06	16.69	12.35	0.16	6.30	8.58
AKC0706	6340878	SVB-97-56	110.3	NH	3	2	LCGB	47.97	0.88	20.58	9.78	0.12	4.84	10.49
AKC0707	6340879	SVB-97-56	134.1	NH	3	2	LCGB	48.65	0.86	21.70	8.96	0.11	5.05	10.90
AKC0708	6340881	SVB-97-56	164.6	NH	3	2	LCGB	49.76	0.79	21.82	9.24	0.12	2.76	10.58
AKC0709	6340882	SVB-97-56	194.0	NH	1	3	GBBR	47.99	1.17	16.57	13.46	0.18	7.07	10.30
AKC0712	6340883	SVB-97-67	9.2	NT	4	7	GBBR	48.92	0.86	21.93	6.89	0.09	3.55	12.93
AKC0713	6340884	SVB-97-67	76.8	NT	4	7	GBBR	47.72	0.72	20.19	12.05	0.15	6.48	9.80
AKC0718	6340885	SVB-97-59	356.0	NN	1	3	GBBR	47.29	1.26	17.85	13.95	0.18	6.62	9.55
AKC0719	6340886	SVB-97-59	362.0	NN	1	3	GBBR	46.50	1.60	14.69	16.73	0.22	8.50	8.35

Appendix 2 - Drill Core

Sample	Labnum	Drillhole	Depth m	Group	Unit	Symbol	Rocktype	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3 pct	MnO pct	MgO pct	CaO pct
AKC0720	6340887	SVB-97-59	272.7	NN	1	3	GBBR	46.25	0.54	19.31	11.16	0.12	10.34	9.62
AKC0721	6340888	SVB-97-59	236.0	NN	1	3	GBBR	44.59	0.63	17.32	12.66	0.14	12.74	8.39
AKC0722	6340897	SVB-97-67	165.0	NT	21	13	CGBR	48.64	0.96	22.18	8.97	0.13	4.69	10.94
AKC0723	6340898	SVB-97-67	166.5	NT	22	13	CGBR	43.53	0.68	21.64	14.64	0.14	6.30	8.87
AKC0724	6340899	SVB-97-67	171.9	NT	26	13	PODS	30.14	0.50	10.48	43.87	0.17	5.24	5.12
AKC0725	6340901	SVB-97-67	152.0	NT	21	13	CGBR	45.03	0.94	15.24	16.12	0.18	10.65	7.85
AKC0800	6340902	SVB-97-75	47.5	NT	4	7	GBBR	48.19	0.75	22.10	9.09	0.13	4.36	11.16
AKC0801	6340903	SVB-97-75	92.7	NT	4	7	GBBR	49.46	0.88	21.18	9.96	0.13	4.81	10.06
AKC0802	6340904	SVB-97-75	119.5	NT	4	7	GBBR	48.88	1.53	17.87	13.80	0.18	5.69	8.17
AKC0803	6340905	SVB-97-75	138.8	NT	4	13	GBBR	48.45	0.84	20.75	10.82	0.14	6.16	10.03
AKC0805	6340906	SVB-97-75	154.3	NT	23	13	LEOP	42.49	0.85	14.38	22.67	0.18	7.32	7.40
AKC0806	6340907	SVB-97-75	163.4	NT	25	13	BGBR	51.56	1.65	15.98	14.38	0.20	6.14	8.54
AKC0807	6340908	SVB-97-75	167.0	NT	10	0	GNSS	49.17	0.90	27.04	12.51	0.08	4.25	0.55
AKC0808	6340909	SVB-97-77	48.4	NN	3	2	LCGB	48.97	1.04	23.13	9.40	0.12	4.04	10.81
AKC0809	6340911	SVB-97-77	98.2	NN	3	2	LCGB	49.18	0.64	23.90	6.93	0.09	4.49	11.45
AKC0810	6340912	SVB-97-77	108.0	NN	1	3	GBBR	47.05	0.83	17.93	13.23	0.17	10.45	8.99
AKC0811	6340913	SVB-97-77	185.0	NN	1	3	GBBR	45.45	0.63	19.26	11.29	0.15	10.99	9.56
AKC0812	6340914	SVB-97-77	227.0	NN	1	3	GBBR	45.29	0.48	20.37	9.41	0.13	7.91	8.73
AKC0813	6340915	SVB-97-77	278.4	NN	1	3	GBBR	48.39	1.08	20.36	10.91	0.14	7.12	9.74
AKC0814	6340916	SVB-97-77	419.5	NN	21	13	CGBR	46.74	1.41	18.22	13.06	0.18	6.65	9.41
AKC0815	6340917	SVB-97-77	429.5	NN	24	13	SGBR	47.05	0.81	17.36	13.37	0.18	8.25	8.67
AKC0816	6340918	SVB-97-79	135.5	SU	1	3	GBBR	48.27	1.34	15.54	13.69	0.19	7.16	8.64
AKC0817	6340919	SVB-97-79	190.8	SU	1	3	GBBR	46.96	2.70	17.73	12.29	0.16	7.46	8.62
AKC0818	6340921	SVB-97-79	233.0	MH	3	2	LCGB	48.94	1.82	18.82	12.72	0.17	4.57	9.66
AKC0819	6340922	SVB-97-79	265.8	SI	1	3	GBBR	50.21	2.07	14.60	15.40	0.22	5.10	8.02
AKC0820	6340923	SVB-97-79	357.5	SI	1	3	GBBR	47.40	1.48	19.14	10.71	0.13	8.87	8.59
AKC0821	6340924	SVB-97-79	592.8	SI	5	1	DIBS	48.90	1.91	14.74	13.99	0.20	5.30	7.95
AKC0822	6340925	SVB-97-79	658.7	SI	2	9	MEGB	39.04	1.17	7.04	19.78	0.18	22.59	3.46
AKC0823	6340926	SVB-97-79	694.5	SI	2	9	MEGB	42.04	1.71	11.15	16.66	0.18	18.14	5.06
AKC0824	6340927	SVB-97-79	724.8	SI	24	13	SGBR	38.69	1.94	15.17	24.49	0.15	6.93	6.73
AKC0825	6340928	SVB-97-79	757.7	SI	5	1	DIBS	45.56	3.77	16.57	14.48	0.17	6.22	7.84
AKC0826	6340929	SVB-96-31	24.2	WM	10	0	GNSS	43.22	1.28	17.42	14.58	0.06	4.89	6.31
AKC0827	6340931	SVB-96-31	41.8	WM	3	2	LCGB	48.19	1.79	13.59	18.16	0.26	5.87	8.05
AKC0827B	6340932	SVB-96-31	41.8	WM	21	13	CGBR	47.76	1.07	18.34	12.27	0.17	7.03	9.46
AKC0828	6340933	SVB-98-102	168.7	NT	4	7	GBBR	48.26	1.30	17.64	14.30	0.20	6.79	9.17
AKC0829	6340934	SVB-98-102	172.2	NT	22	13	CGBR	45.38	0.99	18.55	15.65	0.16	6.38	9.42
AKC0830	6340935	SVB-98-102	180.0	NT	30	13	SULF	8.70	0.08	1.39	80.00	0.06	0.31	0.18
AKC0831	6340936	SVB-98-102	186.5	NT	20	13	SULF	64.48	0.49	14.70	7.93	0.06	3.06	1.41
AKC0832	6340937	SVB-98-098	140.3	NT	4	7	GBBR	48.39	1.25	20.35	10.81	0.15	5.78	10.32
AKC0833	6340938	SVB-98-098	151.0	NT	21	13	CGBR	40.66	1.10	15.25	23.30	0.17	5.95	8.05
AKC0834	6340939	SVB-98-098	161.0	NT	22	13	CGBR	41.04	0.72	16.76	22.72	0.16	6.46	8.20
AKC0835	6340941	SVB-98-098	173.2	NT	10	0	GNSS	63.73	0.66	13.94	9.34	0.05	2.03	1.23
AKC0836	6340942	SVB-98-103	145.4	NT	4	7	GBBR	48.42	0.74	21.49	9.15	0.12	5.75	10.82
AKC0837	6340943	SVB-98-103	158.8	NT	21	13	CGBR	41.16	0.63	22.01	17.97	0.12	4.66	8.60
AKC0838	6340944	SVB-98-103	166.2	NT	23	13	LEOP	37.72	0.78	13.73	28.67	0.17	5.96	6.84
AKC0839	6340945	SVB-98-103	169.2	NT	23	13	LEOP	23.05	0.42	8.31	53.19	0.18	3.92	3.73
AKC0840	6340946	SVB-98-103	175.9	NT	24	13	SGBR	50.89	1.11	16.30	11.97	0.18	7.05	8.51
AKC0842	6340947	SVB-97-89	13.5	SI	20	3	MNSQ	35.38	1.97	18.89	23.89	0.11	2.05	7.33
AKC0843	6340948	SVB-97-89	164.0	SI	12	0	ANOR	43.96	4.61	13.41	20.82	0.24	4.12	8.21
AKC0844	6340949	SVB-97-89	324.0	SI	12	0	ANOR	49.89	1.58	19.40	12.47	0.14	2.18	7.95
AKC0845	6340951	SVB-97-89	537.0	SI	12	0	ANOR	48.72	2.64	18.15	13.85	0.15	2.53	9.15
AKC0846	6340952	SVB-97-89	827.0	SI	5	1	DIBS	48.73	2.09	14.79	14.31	0.27	5.48	7.64
AKC0847	6340953	SVB-97-89	1032.7	SI	12	0	ANOR	54.16	1.45	15.31	11.98	0.16	4.31	6.75
AKC0848	6340954	SVB-97-89	1019.5	SI	12	0	ANOR	51.57	0.66	23.43	5.92	0.08	2.32	9.62
AKC0849	6340955	SVB-97-70	139.1	NT	4	7	GBBR	48.38	0.80	22.07	9.83	0.13	6.01	10.36
AKC0850	6340956	SVB-97-70	158.0	NT	21	13	CGBR	44.45	1.19	16.73	18.44	0.18	6.87	8.77
AKC0851	6340957	SVB-97-70	176.0	NT	22	13	CGBR	42.73	1.01	21.54	15.60	0.13	6.29	9.21
AKC0852	6340958	SVB-97-70	191.6	NT	22	13	CGBR	46.65	1.09	19.20	10.72	0.15	5.05	9.13
AKC0853	6340959	SVB-97-70	210.3	NT	24	13	SGBR	36.64	0.91	12.74	29.73	0.14	5.59	6.83
AKC0854	6340961	SVB-97-70	262.1	NT	10	0	GNSS	66.71	0.67	15.09	6.63	0.07	2.49	1.31
AKC0855	6340962	SVB-97-96	167.0	NT	4	7	GBBR	48.27	1.13	18.65	11.92	0.17	6.22	9.97

Appendix 2 - Drill Core

Sample	Labnum	Drillhole	Depth m	Group	Unit	Symbol	Rocktype	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3 pct	MnO pct	MgO pct	CaO pct
AKC0856	6340963	SVB-97-96	178.3	NT	21	13	CGBR	46.70	1.13	18.94	14.19	0.18	6.97	9.08
AKC0857	6340964	SVB-97-96	182.5	NT	24	13	SGBR	42.01	0.93	11.10	30.17	0.18	4.98	4.57
AKC0858	6340965	SVB-98-101	146.3	NT	4	7	GBBR	48.22	1.09	19.50	11.96	0.16	6.54	10.13
AKC0859	6340966	SVB-98-101	161.0	NT	22	13	CGBR	44.76	1.15	18.23	16.49	0.17	6.51	9.10
AKC0860	6340967	SVB-98-101	169.9	NT	24	13	SGBR	50.95	1.69	15.12	15.59	0.20	5.78	7.71
AKC0861	6340968	SVB-98-104	149.4	NT	22	22	CGBR	44.50	0.69	24.94	10.08	0.10	4.73	11.59
AKC0862	6340969	SVB-98-104	158.8	NT	24	13	SGBR	50.02	1.65	15.50	14.32	0.20	6.11	8.31
AKC0863	6340971	SVB-98-104	359.9	NT	10	0	GNSS	70.81	0.50	13.62	5.04	0.05	1.85	1.22
AKC0864	6340972	SVB-96-20	15.2	WM	3	2	LCGB	47.61	0.90	19.02	11.64	0.16	7.05	9.67
AKC0865	6340973	SVB-96-20	30.0	WM	1	3	GBBR	46.94	1.06	17.65	13.66	0.18	8.49	9.19
AKC0866	6340974	SVB-96-20	33.8	WM	22	13	CGBR	46.85	1.09	18.07	12.54	0.17	7.91	9.48
AKC0868	6340976	SVB-97-92	449.5	NT	12	0	ANOR	53.63	2.23	14.33	13.30	0.16	1.93	6.37
AKC0869	6340977	SVB-97-92	559.3	NT	12	0	ANOR	52.22	2.93	12.30	16.84	0.20	2.43	6.74
AKC0870	6340978	SVB-97-92	700.0	NT	12	0	ANOR	50.94	2.88	16.40	10.86	0.14	2.85	7.74
AKC0871	6340979	SVB-97-86	92.0	SU	1	3	GBBR	46.30	2.40	17.34	11.97	0.15	7.22	8.46
AKC0872	6340981	SVB-97-86	103.7	SI	5	1	DIBS	47.61	3.40	13.81	15.56	0.19	4.02	7.15
AKC0873	6340982	SVB-97-86	138.5	SI	5	1	DIBS	46.39	3.45	13.87	14.78	0.17	4.43	7.88
AKC0874	6340983	SVB-97-86	273.3	SI	1	3	GBBR	46.70	1.33	18.37	11.07	0.13	10.29	8.46
AKC0875	6340984	SVB-97-86	361.8	SI	1	3	GBBR	48.13	1.61	18.95	10.70	0.13	8.35	8.65
AKC0876	6340986	SVB-97-86	466.0	SI	1	3	GBBR	46.90	1.58	19.21	10.37	0.13	8.63	8.85
AKC0876B	6340985	SVB-97-86	593.6	SI	2	9	MEGB	41.25	1.36	7.34	18.03	0.19	23.44	3.84
AKC0877	6340988	SVB-97-86	632.5	SI	20	3	MNSQ	37.96	1.72	12.17	22.72	0.17	14.20	5.32
AKC0877B	6340987	SVB-97-86	566.3	SI	2	9	MEGB	42.37	1.63	8.69	16.73	0.19	21.64	4.63
AKC0878	6340989	SVB-97-86	669.4	SI	10	0	GNSS	55.31	0.57	12.44	13.49	0.04	2.67	2.03
AKC0879	6341478	SVB-97-91	69.5	OR	99	0	OTHR	53.53	2.06	14.19	14.32	0.16	1.67	5.99
AKC0880	6341479	SVB-97-91	120.8	OR	99	0	OTHR	47.93	1.67	21.13	10.31	0.13	3.70	10.23
AKC0882	6341481	SVB-97-91	274.0	OR	99	0	OTHR	48.42	2.75	13.14	20.55	0.23	2.39	7.34
AKC1087	6340991	SVB-97-92	667.4	NT	12	0	DORT	49.91	3.21	14.59	16.82	0.22	3.07	7.09
AKC1088	6340992	SVB-97-92	728.9	NT	12	0	ANOR	54.27	2.06	16.05	10.88	0.15	3.17	6.39
AKC1089	6340993	SVB-97-92	984.0	NT	12	0	ANOR	56.07	1.10	21.58	5.10	0.07	1.87	8.72
AKC1090	6340994	SVB-97-91	359.6	SI	5	1	DIBS	48.76	1.97	15.45	14.19	0.21	5.62	7.91
AKC1091	6340995	SVB-97-91	542.8	SI	12	0	ANOR	52.22	2.17	20.97	8.31	0.09	1.57	7.95
AKC1092	6340996	SVB-97-91	571.8	SI	12	0	ANOR	41.07	3.66	9.77	32.71	0.39	4.92	6.88
AKC1093	6340997	SVB-97-79	849.0	SI	10	0	GNSS	57.71	0.57	13.86	13.19	0.06	2.36	1.70
AKC1094	6340998	SVB-98-109	29.0	NT	12	0	DORT	65.87	0.81	13.28	6.95	0.08	2.49	4.57
AKC1095	6340999	SVB-98-109	67.0	NT	99	0	GBBR	58.58	0.63	22.15	3.60	0.04	0.83	8.09
AKC1096	6341001	SVB-98-109	164.3	NT	4	7	GBBR	48.94	0.97	24.01	8.92	0.12	3.81	10.82
AKC1097	6341002	SVB-98-109	316.7	NT	4	7	GBBR	48.04	0.68	20.86	10.48	0.14	7.56	10.03
AKC1098	6341003	SVB-98-109	353.7	NT	21	13	CGBR	47.72	1.28	17.52	13.87	0.20	7.39	9.46
AKC1099	6341004	SVB-98-109	512.6	NT	5	1	DIBS	50.73	1.40	16.00	13.66	0.21	6.52	8.25
AKC1100	6341005	SVB-98-114	175.5	MH	3	2	LCGB	48.09	1.91	16.61	14.13	0.20	5.34	8.84
AKC1101	6341006	SVB-98-114	206.6	MH	1	3	GBBR	47.95	1.86	14.91	15.24	0.21	7.59	8.25
AKC1103	6341007	SVB-98-114	407.9	MH	1	3	GBBR	49.55	2.00	15.15	14.95	0.22	5.89	8.65
AKC1104	6341008	SVB-98-114	425.5	MH	10	0	GNSS	45.30	0.63	11.01	21.51	0.05	2.85	2.29
AKC1105	6341009	SVB-98-110	15.5	MH	1	3	GBBR	47.90	1.25	18.05	12.86	0.18	7.30	9.52
AKC1106	6341011	SVB-98-110	26.7	MH	21	13	CGBR	46.86	1.02	17.96	14.04	0.17	7.73	8.65
AKC1107	6341012	SVB-98-110	70.3	MH	23	13	LEOP	41.95	0.87	15.29	22.67	0.17	7.29	7.77
AKC1108	6341013	SVB-98-110	90.6	MH	1	3	GBBR	48.14	1.24	15.13	14.39	0.20	9.50	8.24
AKC1109	6341014	SVB-98-110	236.2	MH	12	0	ANOR	49.62	1.77	18.22	12.51	0.17	4.12	9.15
AKC1110	6341015	SVB-98-110	281.8	SU	1	3	GBBR	46.97	1.49	13.67	16.73	0.21	11.17	7.29
AKC1111	6341016	SVB-98-110	572.5	MH	10	0	GNSS	84.38	0.01	0.28	7.01	0.01	0.22	0.76
AKC1112	6341017	SVB-98-100	40.0	SI	2	9	MEGB	41.11	1.61	7.96	17.63	0.19	22.33	3.91
AKC1113	6341018	SVB-98-100	77.8	SI	20	13	MEGB	44.22	1.87	16.95	14.79	0.13	6.84	7.45
AKC1114	6341019	SVB-98-100	124.0	SI	5	1	DIBS	47.83	0.71	15.63	10.19	0.19	8.15	9.92
AKC1115	6341021	SVB-98-116	154.9	NT	12	0	DORT	50.95	1.82	14.76	14.68	0.22	5.33	7.91
AKC1116	6341022	SVB-98-116	122.0	NT	26	13	PODS	47.85	1.09	16.86	14.33	0.19	6.44	9.24
AKC1118	6341023	SVB-98-116	99.7	NT	4	7	GBBR	48.52	0.75	20.42	10.54	0.15	6.58	9.88
AKC1119	6341024	SVB-98-112	5.5	NH	3	2	LCGB	50.91	0.96	20.13	10.41	0.17	2.41	10.12
AKC1120	6341025	SVB-98-112	35.8	NH	3	2	LCGB	47.65	1.27	17.97	13.87	0.20	7.07	9.39
AKC1121	6341026	SVB-98-112	61.7	NH	1	3	GBBR	47.69	0.89	19.95	10.92	0.15	7.92	10.08
AKC1122	6341027	SVB-98-112	83.0	NH	1	3	GBBR	46.26	1.08	16.76	14.38	0.18	9.58	8.71

Appendix 2 - Drill Core

Sample	Labnum	Drillhole	Depth m	Group	Unit	Symbol	Rocktype	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3 pct	MnO pct	MgO pct	CaO pct
AKC1123	6341028	SVB-98-112	95.1	NH	4	7	GBBR	47.80	1.19	15.98	14.05	0.18	9.74	8.55
AKC1125	6341029	SVB-98-112	114.2	NH	24	13	SGBR	41.96	0.95	15.38	22.96	0.16	6.53	7.55
AKC1126	6341031	SVB-98-106	38.8	NT	1	3	GBBR	45.78	0.59	16.70	12.95	0.16	13.73	8.50
AKC1127	6341032	SVB-98-106	109.1	NT	4	7	GBBR	49.07	1.13	17.53	10.85	0.16	7.48	11.18
AKC1128	6341033	SVB-98-106	162.0	NT	4	7	GBBR	49.16	1.21	19.40	11.43	0.16	5.75	10.02
AKC1129	6341034	SVB-98-113	53.8	NT	4	7	GBBR	48.10	0.91	20.08	12.18	0.16	6.54	9.27
AKC1130	6341035	SVB-98-113	97.8	NT	23	13	LEOP	36.50	0.91	12.28	33.87	0.16	5.28	6.29
AKC1131	6341036	SVB-98-113	99.6	NT	5	1	DIBS	48.41	1.58	16.81	13.45	0.18	6.45	9.19
AKC1133	6341037	SVB-98-108	46.7	NT	3	2	LCGB	49.47	0.50	23.37	7.45	0.10	4.65	11.31
AKC1134	6341038	SVB-98-108	85.2	NT	1	3	GBBR	46.73	0.70	15.88	13.89	0.17	12.59	8.01
AKC1135	6341039	SVB-98-108	163.9	NT	1	3	GBBR	45.85	0.44	15.72	13.18	0.16	15.23	7.83
AKC1136	6341041	SVB-98-108	186.0	NT	1	3	GBBR	43.21	0.26	11.56	16.93	0.20	21.11	5.67
AKC1137	6341042	SVB-98-108	189.3	NT	4	7	GBBR	47.13	0.58	20.83	9.83	0.13	9.79	10.23
AKC1138	6341043	SVB-98-108	211.0	NT	4	7	GBBR	46.87	0.43	19.21	11.09	0.14	10.84	8.99
AKC1139	6341044	SVB-98-108	252.0	NT	4	7	GBBR	45.34	0.67	14.02	16.22	0.21	14.17	7.42
AKC1140	6341045	SVB-98-108	306.0	NT	4	7	GBBR	48.35	0.96	19.39	11.97	0.16	6.83	9.82
AKC1141	6341046	SVB-98-108	350.0	NT	4	7	GBBR	45.94	0.83	14.13	16.85	0.22	13.07	7.41
AKC1142	6341047	SVB-98-108	373.5	NT	4	7	GBBR	47.14	1.13	15.34	15.11	0.20	10.06	8.35
AKC1144	6341048	SVB-98-108	392.3	NT	26	13	PODS	47.96	0.53	19.75	11.27	0.15	8.74	8.88
AKC1145	6341049	SVB-98-107	75.3	NT	4	7	GBBR	50.30	1.27	21.04	9.09	0.14	3.80	11.68
AKC1146	6341051	SVB-98-107	151.7	NT	4	7	GBBR	50.33	0.70	24.62	6.72	0.10	2.75	11.99
AKC1147	6341052	SVB-98-107	239.7	NT	4	7	GBBR	48.87	0.64	21.49	9.67	0.13	7.04	10.31
AKC1148	6341053	SVB-98-107	252.3	NT	22	13	CGBR	45.22	0.85	20.79	13.71	0.15	7.28	9.12
AKC1149	6341054	SVB-98-107	257.3	NT	23	13	LEOP	43.79	0.68	14.08	20.65	0.17	7.30	8.51
AKC1150	6341055	SVB-98-107	316.4	NT	10	0	GNSS	51.04	1.82	14.91	14.64	0.21	5.58	7.80
AKC1151	6341056	SVB-97-90	47.7	NT	4	7	GBBR	48.82	0.94	22.84	9.05	0.12	4.63	10.75
AKC1152	6341057	SVB-97-90	100.3	NT	4	7	GBBR	49.26	0.91	23.89	8.34	0.11	3.31	11.39
AKC1153	6341058	SVB-97-90	162.0	NT	4	7	GBBR	49.22	0.84	21.24	10.81	0.14	6.58	9.52
AKC1154	6341059	SVB-97-90	231.5	NT	4	7	GBBR	48.87	0.65	22.58	9.18	0.12	6.67	10.77
AKC1155	6341061	SVB-97-69	18.5	NH	21	13	CGBR	47.99	1.10	18.08	13.39	0.19	7.12	9.49
AKC1156	6341062	SVB-97-80	27.4	NH	3	2	LCGB	50.23	1.51	21.87	11.13	0.15	4.58	11.07
AKC1157	6341063	SVB-97-80	65.3	NH	1	3	GBBR	47.47	1.16	18.02	13.08	0.19	8.08	9.68
AKC1158	6341064	SVB-97-80	70.0	NH	22	13	CGBR	37.95	1.15	13.06	27.83	0.17	7.68	7.03
AKC1159	6341065	SVB-97-80	74.4	NH	24	13	SGBR	45.55	0.99	14.85	19.56	0.17	7.49	7.90
AKC1160	6341066	SVB-97-80	89.5	NH	99	0	OTHR	47.01	0.40	9.46	10.70	0.17	17.95	7.49
AKC1161	6341067	SVB-97-88	64.6	NT	4	7	GBBR	48.60	1.02	20.77	10.61	0.15	5.99	10.30
AKC1162	6341068	SVB-97-88	98.0	NT	4	7	GBBR	51.57	1.51	21.78	8.11	0.11	2.96	9.36
AKC1163	6341069	SVB-97-88	134.0	NT	99	0	OTHR	59.59	0.73	19.54	8.45	0.07	3.69	2.01
AKC1164	6341071	SVB-97-88	142.5	NT	26	13	PODS	47.97	0.61	19.89	12.23	0.15	7.53	8.93
AKC1165	6341072	SVB-97-88	162.8	NT	12	0	GBBR	49.49	1.62	15.76	14.16	0.21	6.17	8.53
AKC1166	6341073	SVB-97-88	164.3	NT	12	0	GBBR	50.04	1.38	14.70	15.19	0.20	6.50	8.10
AKC1167	6341074	SVB-97-74	69.0	NT	4	7	GBBR	49.76	0.85	22.84	9.06	0.13	4.11	11.26
AKC1168	6341075	SVB-97-74	122.5	NT	4	7	GBBR	46.76	1.01	18.29	13.26	0.18	8.85	9.09
AKC1171	6341076	SVB-97-83	52.5	NT	4	7	GBBR	45.29	0.53	14.54	14.05	0.18	16.13	7.35
AKC1172	6341077	SVB-97-83	85.2	NT	4	7	GBBR	45.63	0.69	18.16	12.56	0.17	11.51	9.12
AKC1173	6341078	SVB-97-83	116.0	NT	4	7	GBBR	48.21	1.18	19.83	12.96	0.18	6.89	9.91
AKC1175	6341079	SVB-97-83	177.9	NT	24	13	SGBR	45.89	0.54	20.41	11.32	0.14	10.10	8.03
AKC1177	6341081	SVB-97-61	114.6	NH	3	2	LCGB	47.09	2.00	17.82	13.18	0.19	5.62	9.54
AKC1178	6341082	SVB-97-59	380.3	NN	26	13	PODS	47.47	1.49	17.29	13.58	0.19	7.07	9.75
AKC1179	6341083	SVB-97-59	376.0	NN	21	13	CGBR	46.50	1.11	18.08	14.43	0.18	7.89	9.43
AKC1180	6341084	SVB-97-59	355.0	NN	1	3	GBBR	48.47	1.34	20.39	11.18	0.16	4.85	10.39
AKC1181	6341085	SVB-97-59	288.7	NN	2	9	MEGB	41.06	0.55	7.24	21.24	0.26	22.47	4.13
AKC1182	6341086	SVB-97-59	270.4	NN	1	3	GBBR	45.38	0.60	18.85	11.59	0.15	11.22	9.06
AKC1183	6341087	SVB-97-59	219.5	NN	1	3	GBBR	44.95	0.53	17.56	12.43	0.16	13.66	8.84
AKC1184	6341088	SVB-97-59	170.0	NN	1	3	GBBR	45.19	0.51	17.86	12.46	0.15	13.32	8.45
AKC1185	6341089	SVB-97-59	127.2	NN	1	3	GBBR	44.49	0.61	15.38	14.32	0.18	15.86	7.80
AKC1186	6341091	SVB-97-59	79.1	NN	1	3	GBBR	46.77	0.86	18.55	12.09	0.16	9.76	9.32
AKC1187	6341092	SVB-97-59	68.5	NN	1	3	GBBR	46.71	0.79	17.95	13.19	0.17	10.49	8.86
AKC1188	6341093	SVB-97-59	52.0	NN	3	2	LCGB	47.94	1.50	14.34	16.65	0.24	7.23	9.30
AKC1189	6341094	SVB-97-58	198.0	NH	21	13	CGBR	46.79	1.04	18.92	12.87	0.17	7.55	9.63
AKC1190	6341095	SVB-97-58	200.2	NH	4	7	GBBR	47.13	1.16	18.39	13.01	0.18	7.78	9.52

Appendix 2 - Drill Core

Sample	Labnum	Drillhole	Depth m	Group	Unit	Symbol	Rocktype	SiO2 pct	TiO2 pct	Al2O3 pct	Fe2O3 pct	MnO pct	MgO pct	CaO pct
AKC1191	6341096	SVB-97-63	387.2	NN	5	1	DIBS	49.12	1.22	16.84	13.91	0.19	7.51	8.43
AKC1193	6341097	SVB-97-63	337.3	NN	5	1	DIBS	52.01	0.37	18.16	9.91	0.14	7.48	7.54
AKC1194	6341098	SVB-97-63	327.5	NN	21	13	CGBR	40.37	1.77	15.83	22.11	0.17	5.87	7.95
AKC1195	6341099	SVB-97-63	316.8	NN	1	3	GBBR	44.57	1.26	14.86	16.29	0.22	9.65	8.26
AKC1196	6341101	SVB-97-63	312.7	NN	1	3	GBBR	47.11	1.39	19.14	12.55	0.17	5.64	9.87
AKC1200	6341102	SVB-97-93	52.5	NT	1	3	GBBR	44.55	0.64	16.18	13.23	0.16	13.30	8.24
AKC1201	6341103	SVB-97-93	99.8	NT	4	7	GBBR	46.72	0.90	19.53	11.77	0.16	8.10	9.97
AKC1202	6341104	SVB-97-93	147.4	NT	4	7	GBBR	48.37	1.31	19.82	11.08	0.15	5.55	10.17
AKC1203	6341105	SVB-97-93	161.7	NT	4	7	GBBR	45.57	1.38	14.46	16.91	0.23	10.18	7.90
AKC1204	6341106	SVB-97-93	164.0	NT	4	7	GBBR	47.08	1.27	18.54	13.52	0.18	7.22	9.60
AKC1205	6341107	SVB-97-93	178.0	NT	21	13	CGBR	47.03	0.94	17.99	13.35	0.18	7.51	9.58
AKC1206	6341108	SVB-97-93	183.8	NT	24	13	SGBR	44.16	0.74	22.42	13.45	0.13	6.01	9.68
AKC1207	6341109	SVB-97-93	189.5	NT	10	0	GNSS	58.28	0.55	4.24	27.44	0.05	0.86	1.26
AKC1208	6341111	SVB-97-82	390.0	NN	5	1	DIBS	52.12	0.81	17.57	10.88	0.16	6.56	7.46
AKC1210	6341112	SVB-97-82	381.7	NN	21	13	CGBR	48.79	0.54	18.92	11.06	0.14	8.69	8.37
AKC1211	6341113	SVB-97-82	353.5	NN	21	13	CGBR	49.28	0.96	20.17	11.28	0.15	5.30	10.14
AKC1212	6341114	SVB-97-82	313.7	NN	1	3	GBBR	45.61	0.94	11.62	19.05	0.24	13.52	7.00
AKC1213	6341115	SVB-97-82	270.8	NN	1	3	GBBR	45.82	1.17	15.59	15.38	0.21	10.50	8.92
AKC1214	6341116	SVB-97-82	227.0	NN	1	3	GBBR	46.24	0.98	18.04	13.67	0.18	10.00	9.35
AKC1215	6341117	SVB-97-82	200.0	NN	1	3	GBBR	47.32	1.55	17.19	14.27	0.19	7.49	9.35
AKC1216	6341118	SVB-97-82	173.5	NN	3	2	LCGB	48.41	1.05	23.91	8.87	0.11	3.36	11.36
AKC1217	6341119	SVB-97-82	113.6	NN	3	2	LCGB	48.23	0.80	23.78	8.43	0.11	4.23	12.01
AKC1218	6341121	SVB-96-17	16.0	WM	3	2	LCGB	47.27	1.19	18.53	14.13	0.19	7.42	9.08
AKC1220	6341122	SVB-96-17	29.8	WM	24	13	SGBR	47.52	0.29	18.55	13.92	0.10	7.43	7.40
AKC1221	6341123	SVB-96-15	90.6	WM	24	13	SGBR	49.31	0.64	14.76	17.21	0.03	3.83	0.63

Appendix 2 - Drill Core

Sample	Na2O pct	K2O pct	P2O5 pct	LOI pct	Li ppm	Be ppm	Sc ppm	Ti ppm	V ppm	Cr ppm	Mn ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm	Ga ppm	Rb ppm
AKC0639	2.72	0.33	0.11	-99.00	4.4	0.5	21.3	7539	134	66	1333	75	89	63	109	20	-99
AKC0640	2.28	0.26	0.06	1.13	3.2	0.4	14.7	5429	116	108	1342	342	2601	1932	140	18	-99
AKC0642	2.83	0.42	0.13	-99.00	6.7	0.5	25.2	7852	147	72	1423	63	61	47	111	21	-99
AKC0644	2.90	0.54	0.16	0.83	4.5	0.6	29.1	9093	156	68	1451	69	54	50	126	22	-99
AKC0645	2.87	1.00	0.30	0.55	6.6	0.9	36.1	12092	186	49	1569	40	11	26	144	27	-99
AKC0646	3.00	1.54	0.14	1.28	8.1	1.0	22.8	7115	131	68	890	32	41	62	106	19	-99
AKC0647	2.40	0.30	0.10	-99.00	5.2	0.4	22.2	7276	130	75	1714	105	145	39	128	20	-99
AKC0648	2.75	0.40	0.14	-99.00	6.5	0.5	22.3	9098	142	64	1592	85	109	40	123	18	-99
AKC0652	2.72	0.32	0.06	0.15	6.5	0.3	13.6	4767	95	70	1152	87	179	153	92	22	-99
AKC0654	1.72	2.61	0.04	2.69	48.1	2.1	21.2	4478	112	144	623	23	49	31	136	25	-99
AKC0655	3.09	0.33	0.11	1.37	4.3	0.5	24.4	8390	144	56	1227	48	45	40	123	23	-99
AKC0656	2.81	0.31	0.09	0.37	5.9	0.4	16.7	6439	105	53	1277	64	87	39	98	20	-99
AKC0657	2.74	0.33	0.10	-99.00	5.5	0.4	18.7	6714	124	72	1230	68	85	32	97	21	-99
AKC0658	1.93	0.17	0.04	0.88	2.2	0.2	12.7	3720	98	89	1316	242	638	509	130	13	-99
AKC0659	2.13	0.20	0.05	2.59	3.2	0.3	13.1	4551	111	92	1271	376	1009	1056	147	16	-99
AKC0660	2.64	0.87	0.28	0.87	6.1	0.8	34.6	10897	174	53	1511	83	102	145	142	27	-99
AKC0661	2.55	2.46	0.16	1.50	9.9	1.4	31.8	4240	196	300	1192	40	50	13	84	20	-99
AKC0662	3.33	0.57	0.10	1.74	9.4	0.6	23.6	7551	138	67	1089	45	56	43	97	22	-99
AKC0663	3.22	0.34	0.09	0.18	6.0	0.4	18.5	6063	105	31	1205	56	51	40	98	23	-99
AKC0665	2.38	0.28	0.05	0.31	5.8	0.3	12.6	3709	87	71	1117	127	519	386	102	20	-99
AKC0666	2.89	0.31	0.09	-99.00	5.2	0.4	24.6	6776	137	74	1397	75	69	55	100	21	-99
AKC0668	2.09	0.19	0.04	2.35	2.8	0.3	12.3	3322	99	104	1157	519	3967	2328	142	14	-99
AKC0669	2.80	0.48	0.14	0.68	8.2	0.6	27.3	8629	158	75	1350	74	79	80	118	21	-99
AKC0670	2.53	0.62	0.05	3.87	7.1	0.3	16.6	4957	107	70	1079	141	306	268	86	18	-99
AKC0671	2.95	0.40	0.13	0.19	5.3	0.5	26.4	8384	156	76	1346	59	48	33	110	23	-99
AKC0673	1.42	1.77	0.01	4.06	18.4	2.0	17.5	3493	119	184	540	97	274	193	256	24	-99
AKC0674	3.72	2.03	0.47	2.93	23.4	3.7	14.5	5118	164	133	160	18	47	57	217	30	-99
AKC0675	3.24	0.40	0.08	0.16	6.2	0.4	17.3	5937	103	33	1005	47	45	28	83	23	-99
AKC0676	2.14	0.31	0.04	1.03	7.3	0.3	14.2	4168	93	87	1423	173	1018	751	115	18	-99
AKC0677	2.64	0.23	0.08	0.54	5.3	0.4	16.6	6634	113	60	1215	147	813	543	111	18	-99
AKC0678	2.52	3.06	0.22	0.65	7.5	1.1	13.9	6108	60	47	406	15	22	30	134	25	-99
AKC0679	3.23	0.33	0.10	0.03	6.5	0.5	21.1	6215	114	32	1223	48	41	39	94	24	-99
AKC0680	3.14	0.36	0.11	0.20	6.3	0.5	22.0	6854	122	33	1215	48	47	36	95	25	-99
AKC0681	2.38	0.17	0.05	1.02	2.6	0.3	12.6	4401	88	75	1260	173	1034	689	102	17	-99
AKC0684	2.66	0.25	0.06	0.02	3.2	0.4	15.8	5452	116	93	1211	120	403	364	99	21	-99
AKC0685	2.83	0.42	0.12	0.61	5.8	0.5	28.6	7957	162	74	1479	127	725	559	116	23	-99
AKC0686	2.95	0.49	0.15	0.16	6.7	0.6	28.3	8675	154	69	1516	73	99	107	112	23	-99
AKC0687	3.20	0.33	0.10	0.18	5.1	0.4	17.1	6763	107	27	1080	46	46	34	92	24	-99
AKC0688	2.89	0.32	0.11	0.19	4.9	0.5	28.8	8137	170	89	1338	86	366	241	106	23	-99
AKC0689	2.77	0.41	0.12	-99.00	5.9	0.5	27.1	8178	159	73	1508	84	154	121	118	22	-99
AKC0691	2.80	2.90	0.26	1.10	10.9	1.2	11.2	5598	49	35	359	12	18	39	107	25	-99
AKC0692A	2.50	2.45	0.15	2.00	6.5	1.3	28.1	5375	245	16	928	41	20	168	65	18	-99
AKC0692B	2.38	2.06	0.16	1.85	10.6	1.2	31.4	4780	205	126	1147	28	28	25	77	18	-99
AKC0693	2.74	1.86	0.16	1.45	9.8	1.4	34.4	4832	222	257	1447	42	46	39	101	16	-99
AKC0694	3.16	0.32	0.09	0.06	4.1	0.4	20.6	7443	119	34	1232	51	47	35	94	22	-99
AKC0695	2.13	0.20	0.05	1.91	2.8	0.3	12.8	4235	102	83	1274	240	959	697	124	16	-99
AKC0697	2.69	0.34	0.11	0.95	4.8	0.5	18.7	7138	123	61	1306	157	509	398	114	19	-99
AKC0699	2.84	0.62	0.12	0.51	7.0	0.5	26.4	8311	157	78	1408	60	51	31	106	23	-99
AKC0700	2.74	0.83	0.25	1.63	5.9	0.8	36.3	11883	190	56	1333	46	14	30	133	23	-99
AKC0701	2.98	0.67	0.20	0.31	6.3	0.7	35.0	10584	192	71	1501	51	19	36	121	25	-99
AKC0702	3.13	0.29	0.07	0.41	5.2	0.4	15.3	5442	92	31	982	46	44	35	83	20	-99
AKC0703	2.94	0.35	0.15	0.24	7.1	0.7	31.8	10024	186	71	1437	65	112	85	114	26	-99
AKC0705	2.96	0.58	0.15	0.91	3.5	0.5	27.4	6994	155	97	1285	53	53	35	108	23	-99
AKC0706	3.14	0.27	0.07	1.45	6.1	0.4	20.0	5692	121	53	1023	41	37	34	87	22	-99
AKC0707	3.12	0.27	0.08	0.35	5.0	0.4	15.8	5466	96	32	935	43	52	30	75	21	-99
AKC0708	3.46	0.48	0.19	0.28	5.4	0.6	14.2	5171	67	13	1039	33	23	38	92	28	-99
AKC0709	3.02	0.33	0.10	-99.00	6.2	0.5	34.4	7434	176	79	1464	60	56	41	107	23	-99
AKC0712	3.03	0.24	0.06	1.95	6.8	0.4	33.0	5514	159	40	873	25	21	26	60	22	-99
AKC0713	3.27	0.26	0.05	-99.00	4.2	0.3	14.3	4587	75	36	1264	61	65	18	93	23	-99
AKC0718	3.01	0.34	0.11	-99.00	7.2	0.5	22.5	8025	126	48	1443	59	62	44	108	26	-99
AKC0719	2.94	0.42	0.15	-99.00	8.3	0.6	29.6	9880	165	51	1715	72	84	52	128	25	-99

Appendix 2 - Drill Core

Sample	Na2O pct	K2O pct	P2O5 pct	LOI pct	Li ppm	Be ppm	Sc ppm	Ti ppm	V ppm	Cr ppm	Mn ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm	Ga ppm	Rb ppm
AKC0720	2.49	0.17	0.03	-99.00	3.2	0.2	10.0	3471	63	64	1062	74	162	17	79	18	-99
AKC0721	2.22	0.18	0.06	-99.00	3.4	0.2	8.9	4218	59	33	1193	88	194	15	87	18	-99
AKC0722	2.91	0.33	0.09	0.90	5.8	0.2	19.9	6077	133	52	984	47	44	63	75	-99	7
AKC0723	2.49	0.34	0.06	1.32	7.6	0.2	13.9	4286	140	140	1186	177	830	1025	122	-99	8
AKC0724	1.42	0.13	0.10	3.27	3.1	0.2	11.8	3061	146	91	2068	748	5810	6351	223	-99	2
AKC0725	2.32	0.25	0.09	-99.00	6.2	0.2	20.0	6211	132	44	1505	125	443	539	113	-99	2
AKC0800	2.95	0.29	0.09	0.35	3.4	0.2	19.4	4913	115	31	941	38	29	20	76	-99	6
AKC0801	3.20	0.35	0.09	0.44	4.4	0.2	19.0	5714	117	45	997	43	30	18	81	-99	6
AKC0802	3.51	0.51	0.21	-99.00	4.1	0.6	18.2	9179	116	14	1353	56	41	43	113	-99	7
AKC0803	2.98	0.29	0.09	-99.00	6.7	0.2	17.1	5356	107	33	1076	51	42	22	84	-99	5
AKC0805	2.31	0.29	0.11	1.30	6.3	0.2	21.3	5237	149	146	1674	330	1249	1526	115	-99	2
AKC0806	2.83	0.71	0.20	-99.00	8.3	0.5	32.4	9700	197	62	1491	51	14	40	119	-99	12
AKC0807	1.05	2.39	0.03	2.50	23.9	4.4	16.4	6151	232	180	585	60	611	1473	225	-99	67
AKC0808	3.37	0.30	0.11	0.08	4.7	0.3	12.1	6469	88	22	904	37	28	28	78	-99	5
AKC0809	3.33	0.26	0.07	0.11	4.0	0.1	12.2	4094	81	52	687	35	38	13	58	-99	5
AKC0810	2.58	0.26	0.09	-99.00	4.9	0.2	16.7	5070	106	69	1302	74	107	23	95	-99	2
AKC0811	2.42	0.20	0.07	-99.00	3.3	0.1	11.2	3905	77	52	1086	72	138	15	80	-99	2
AKC0812	3.17	0.60	0.05	3.79	11.7	0.1	9.1	3039	58	37	948	55	75	21	62	-99	9
AKC0813	3.14	0.30	0.11	-99.00	4.4	0.3	16.6	6570	117	38	1053	55	55	14	82	-99	2
AKC0814	3.03	0.44	0.11	1.34	9.1	0.3	26.8	8654	195	68	1336	70	207	251	105	-99	6
AKC0815	2.69	0.41	0.08	1.49	20.0	0.2	20.0	5036	127	64	1373	79	135	141	100	-99	10
AKC0816	2.96	0.50	0.15	0.39	6.2	0.4	30.5	8590	196	74	1467	55	28	24	110	-99	6
AKC0817	3.72	0.69	0.57	-99.00	6.5	0.6	19.1	16328	150	134	1152	52	80	23	98	-99	6
AKC0818	3.24	0.64	0.22	0.60	6.0	0.5	26.4	10610	177	52	1308	43	19	19	111	-99	7
AKC0819	3.22	0.84	0.33	0.54	6.9	0.6	35.7	12363	212	45	1639	45	2	8	123	-99	10
AKC0820	3.52	0.48	0.30	-99.00	3.7	0.3	11.2	9107	85	137	924	55	109	15	79	-99	2
AKC0821	2.98	0.79	0.28	2.81	4.4	0.6	32.4	11755	220	73	1492	47	10	11	137	-99	9
AKC0822	1.61	0.29	0.28	4.16	6.7	0.2	8.6	7327	71	118	1525	191	1037	569	117	-99	2
AKC0823	2.45	0.50	0.43	2.16	6.1	0.4	10.3	10026	82	125	1356	130	800	371	118	-99	2
AKC0824	2.76	0.44	0.35	2.21	5.3	0.4	10.8	11372	96	122	1417	325	1820	1970	131	-99	6
AKC0825	3.77	0.89	0.99	0.19	9.5	0.8	18.6	22864	153	59	1251	52	50	25	118	-99	8
AKC0826	1.11	2.12	0.35	8.20	16.5	0.9	24.7	7986	310	174	331	40	105	242	390	-99	60
AKC0827	3.35	0.59	0.23	0.11	8.4	0.7	37.8	10548	208	43	1896	62	19	51	145	-99	9
AKC0827B	2.85	0.35	0.11	0.45	5.9	0.3	22.4	6793	143	46	1241	57	48	27	95	-99	8
AKC0828	3.08	0.37	0.11	-99.00	7.0	0.3	25.6	8030	163	38	1458	62	39	52	109	-99	7
AKC0829	2.81	0.31	0.13	0.57	6.3	0.3	19.2	6158	120	42	1304	151	813	892	110	-99	6
AKC0830	0.21	0.32	0.01	10.88	0.6	0.3	0.4	396	61	168	1822	1885	6652	2638	153	-99	12
AKC0831	1.63	2.21	0.08	3.05	39.3	7.0	11.1	3392	219	122	416	44	241	711	284	-99	73
AKC0832	3.11	0.37	0.12	0.03	3.0	0.3	20.8	7787	143	36	1079	48	43	22	89	-99	7
AKC0833	2.41	0.31	0.11	1.81	6.4	0.3	22.7	6753	166	77	1575	349	2705	2778	122	-99	5
AKC0834	2.33	0.20	0.07	1.62	4.2	0.2	20.0	4282	149	139	1468	323	1923	1704	100	-99	2
AKC0835	3.10	2.43	0.06	3.40	18.7	1.7	12.7	4470	415	190	338	56	272	1240	108	-99	66
AKC0836	2.98	0.29	0.07	-99.00	5.0	0.2	17.2	4791	109	46	933	46	50	24	94	-99	7
AKC0837	2.42	0.65	0.08	2.45	11.0	0.6	19.5	3787	170	189	1119	290	2044	1791	152	-99	14
AKC0838	2.16	0.25	0.10	3.28	3.7	0.2	17.3	4793	133	108	1751	468	2386	1708	134	-99	5
AKC0839	1.01	0.07	0.04	6.78	3.4	0.1	6.2	2493	198	155	2295	1285	5089	2911	162	-99	2
AKC0840	3.11	0.54	0.12	0.28	6.4	0.4	29.9	6768	225	162	1334	49	55	17	109	-99	11
AKC0842	3.98	0.84	0.90	3.55	7.1	0.6	4.9	11094	119	14	1127	409	4168	2305	137	-99	12
AKC0843	2.81	0.78	1.30	-99.00	11.9	0.6	32.5	27421	317	14	1701	61	6	13	170	-99	12
AKC0844	3.93	1.07	0.50	0.36	8.1	0.7	13.9	9800	64	5	1041	34	3	10	115	-99	15
AKC0845	3.60	0.84	0.86	0.44	10.4	0.5	25.1	16067	235	19	1118	41	8	16	135	-99	12
AKC0846	2.71	0.71	0.31	3.67	14.1	0.7	33.8	12621	232	74	2012	48	9	13	155	-99	10
AKC0847	2.97	1.49	0.26	1.26	9.9	0.8	25.2	8763	150	52	1192	35	3	7	114	-99	25
AKC0848	3.63	0.88	0.13	2.17	10.1	0.4	11.3	4318	73	39	613	18	9	12	79	-99	11
AKC0849	3.13	0.27	0.09	-99.00	4.6	0.2	12.9	5158	88	25	967	49	45	16	78	-99	2
AKC0850	2.73	0.35	0.13	0.70	6.1	0.3	23.4	7095	161	58	1487	178	846	1325	115	-99	6
AKC0851	2.47	0.26	0.10	1.03	5.6	0.2	18.4	6163	175	133	1133	196	1823	1939	114	-99	7
AKC0852	3.08	0.38	0.12	4.00	7.4	0.4	24.1	6800	154	75	1126	95	504	1222	101	-99	9
AKC0853	2.03	0.22	0.10	2.69	5.1	0.2	20.5	5494	182	119	1690	597	4966	5057	153	-99	6
AKC0854	2.17	2.63	0.05	1.38	24.9	2.2	16.1	4644	115	115	485	18	35	22	104	-99	104
AKC0855	3.04	0.35	0.11	-99.00	7.1	0.3	26.6	7103	159	52	1225	52	36	30	95	-99	6

Appendix 2 - Drill Core

Sample	Na2O pct	K2O pct	P2O5 pct	LOI pct	Li ppm	Be ppm	Sc ppm	Ti ppm	V ppm	Cr ppm	Mn ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm	Ga ppm	Rb ppm
AKC0856	2.87	0.46	0.14	0.14	8.6	0.3	23.7	6902	156	71	1368	94	236	278	109	-99	8
AKC0857	1.54	0.89	0.08	2.67	6.8	0.7	24.6	5975	273	128	1771	404	1836	1720	192	-99	23
AKC0858	3.12	0.37	0.12	-99.00	5.7	0.3	23.1	6776	145	51	1211	54	48	25	95	-99	2
AKC0859	2.70	0.34	0.11	0.57	5.4	0.3	22.9	7121	167	92	1370	177	736	893	109	-99	7
AKC0860	2.57	0.59	0.15	-99.00	7.8	0.4	33.3	10118	209	66	1546	78	144	248	134	-99	9
AKC0861	2.42	0.37	0.06	1.16	6.3	0.2	13.7	4337	149	193	833	114	518	599	99	-99	7
AKC0862	2.65	0.58	0.21	0.48	7.7	0.5	33.3	9906	203	63	1558	49	9	55	146	-99	8
AKC0863	2.21	2.50	0.05	1.25	23.8	2.3	11.5	3337	81	83	378	13	27	10	83	-99	76
AKC0864	3.06	0.33	0.10	0.11	5.3	0.2	20.0	5685	126	37	1201	56	44	23	88	-99	5
AKC0865	2.84	0.37	0.11	-99.00	5.5	0.2	21.0	6538	136	41	1395	67	63	26	104	-99	5
AKC0866	2.82	0.41	0.10	0.13	6.2	0.2	21.4	6642	144	46	1282	64	77	60	96	-99	2
AKC0868	3.47	2.19	0.72	1.53	16.3	1.5	23.6	13884	115	12	1189	27	1	8	154	-99	48
AKC0869	2.82	2.17	1.00	-99.00	12.1	1.3	32.7	18334	132	8	1534	34	1	10	167	-99	53
AKC0870	3.46	1.28	0.33	2.74	11.9	0.9	25.7	17468	208	36	1067	30	2	1	109	-99	23
AKC0871	3.40	0.89	0.55	1.20	6.9	0.5	18.7	14518	145	143	1112	50	76	22	95	-99	9
AKC0872	3.80	1.37	1.58	2.06	4.7	1.5	23.9	21162	160	36	1452	44	26	28	126	-99	20
AKC0873	3.98	0.85	1.60	3.70	7.0	1.4	24.1	21174	161	37	1243	43	25	28	122	-99	12
AKC0874	3.05	0.45	0.31	0.12	3.9	0.3	10.2	8289	79	102	974	63	151	12	80	-99	2
AKC0875	3.35	0.50	0.36	-99.00	3.9	0.3	12.2	9808	91	149	976	55	106	13	82	-99	2
AKC0876	3.33	0.47	0.33	-99.00	3.7	0.3	11.2	9504	87	102	925	55	117	14	80	-99	2
AKC0876B	1.27	0.41	0.32	3.10	3.7	0.3	6.5	8665	73	146	1530	161	1121	477	113	-99	2
AKC0877	2.28	0.48	0.39	2.11	5.0	0.4	11.3	10169	101	145	1450	253	1630	1922	137	-99	2
AKC0877B	1.75	0.48	0.36	2.32	7.3	0.3	9.8	9744	93	136	1541	112	564	34	115	-99	2
AKC0878	2.07	1.94	0.06	8.86	15.6	2.2	13.5	3883	325	132	191	36	119	256	198	-99	73
AKC0879	2.94	2.64	0.97	1.34	6.9	1.5	26.4	12828	112	20	1087	22	29	9	182	-99	39
AKC0880	3.35	0.67	0.18	1.27	5.7	0.5	22.0	9872	173	48	940	37	18	12	96	-99	10
AKC0882	2.82	1.31	1.56	0.07	9.1	1.0	38.2	16766	173	8	1559	29	1	11	177	-99	23
AKC1087	3.31	1.14	1.02	0.87	15.7	1.3	37.2	19373	180	30	1623	23	7	13	212	-99	17
AKC1088	3.43	1.61	0.41	2.48	10.3	1.2	20.2	12920	173	45	1065	27	5	1	123	-99	31
AKC1089	4.05	1.36	0.19	0.73	8.9	0.5	12.7	7226	118	22	502	18	2	2	53	-99	25
AKC1090	3.15	1.08	0.30	2.30	19.6	0.7	33.5	12065	221	81	1575	40	14	6	726	-99	16
AKC1091	4.04	1.08	0.33	2.32	12.4	0.6	14.6	13388	130	16	679	16	2	1	86	-99	14
AKC1092	2.00	0.69	1.87	-99.00	9.5	0.7	34.8	21344	206	42	2683	44	8	20	272	-99	12
AKC1093	3.00	2.37	0.10	5.16	17.5	2.0	14.0	3779	240	112	372	33	88	181	102	-99	97
AKC1094	2.76	2.15	0.15	0.45	6.5	0.7	14.5	5564	89	28	652	22	12	18	76	-99	67
AKC1095	3.42	2.29	0.11	0.70	6.7	0.7	7.6	4101	45	11	315	7	1	4	56	-99	53
AKC1096	3.18	0.35	0.11	0.03	5.3	0.3	10.3	6066	90	12	861	36	27	24	79	-99	6
AKC1097	2.82	0.29	0.07	-99.00	5.3	0.1	12.1	4329	79	26	1019	57	63	16	79	-99	2
AKC1098	3.13	0.40	0.13	-99.00	7.9	0.3	25.5	7845	164	46	1425	61	52	34	109	-99	5
AKC1099	2.75	0.78	0.17	0.23	11.3	0.4	31.8	8452	203	79	1593	51	10	12	156	-99	15
AKC1100	3.14	0.63	0.23	1.34	8.3	0.5	30.9	11299	201	71	1519	49	17	20	125	-99	9
AKC1101	2.83	0.63	0.25	1.20	9.0	0.5	30.2	11067	200	77	1539	61	35	16	125	-99	8
AKC1103	3.02	0.82	0.28	0.36	8.8	0.6	33.8	11915	224	84	1598	50	15	15	156	-99	11
AKC1104	1.85	1.79	0.05	10.98	9.8	1.2	11.9	4238	495	177	188	40	155	217	202	-99	56
AKC1105	3.00	0.42	0.13	0.18	6.6	0.3	24.7	7937	167	46	1332	60	75	48	105	-99	6
AKC1106	2.71	0.62	0.10	0.71	7.5	0.2	20.6	6345	138	54	1332	72	122	153	107	-99	9
AKC1107	2.43	0.31	0.09	1.73	5.0	0.2	19.0	5267	138	68	1443	258	905	1182	131	-99	2
AKC1108	2.74	0.44	0.15	0.45	6.5	0.3	28.2	7877	180	70	1522	68	58	34	113	-99	2
AKC1109	3.12	0.79	0.23	0.86	5.5	0.5	27.8	10726	180	58	1293	41	13	18	117	-99	12
AKC1110	2.38	0.52	0.20	-99.00	6.3	0.5	25.0	8811	153	66	1485	84	59	13	132	-99	7
AKC1111	0.01	0.01	0.40	5.69	1.2	0.1	0.3	110	9	7	1	20	82	90	31	-99	2
AKC1112	1.54	0.50	0.33	3.52	4.6	0.4	8.2	9535	87	126	1234	152	1180	575	119	-99	2
AKC1113	3.00	0.93	0.47	2.92	7.3	0.5	14.3	11351	104	77	836	134	1555	1479	110	-99	16
AKC1114	2.53	2.07	0.18	2.52	16.1	1.1	36.3	4255	230	331	1368	39	50	2	91	-99	47
AKC1115	2.88	0.94	0.26	0.66	13.3	0.6	35.1	11128	205	49	1472	46	5	24	178	-99	15
AKC1116	3.01	0.34	0.11	1.43	5.6	0.3	31.9	6726	197	96	1232	128	380	432	113	-99	6
AKC1118	3.20	0.35	0.09	0.06	4.8	0.2	17.2	4659	108	40	968	53	50	14	83	-99	6
AKC1119	3.93	0.84	0.27	0.64	14.0	0.8	25.4	6189	78	33	1164	26	5	13	110	-99	12
AKC1120	3.04	0.42	0.11	-99.00	11.2	0.3	24.5	7827	155	47	1346	60	55	43	112	-99	5
AKC1121	2.77	0.25	0.09	0.30	4.9	0.2	18.9	5508	126	56	1022	58	45	26	87	-99	2
AKC1122	2.58	0.36	0.11	0.69	6.1	0.3	21.8	6602	149	75	1161	104	319	299	105	-99	6

Appendix 2 - Drill Core

Sample	Na2O pct	K2O pct	P2O5 pct	LOI pct	Li ppm	Be ppm	Sc ppm	Ti ppm	V ppm	Cr ppm	Mn ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm	Ga ppm	Rb ppm
AKC1123	2.54	0.31	0.12	-99.00	5.9	0.3	23.2	7560	160	64	1325	76	99	63	107	-99	2
AKC1125	2.59	0.44	0.14	2.03	6.1	0.4	18.8	5874	118	65	941	302	985	1559	124	-99	7
AKC1126	2.18	0.19	0.06	-99.00	4.2	0.2	13.2	3656	81	81	1117	91	175	13	88	-99	2
AKC1127	2.79	0.34	0.10	0.24	6.2	0.3	38.7	6838	217	151	1101	52	49	15	84	-99	5
AKC1128	3.21	0.43	0.14	-99.00	7.1	0.4	24.9	7492	155	53	1094	49	36	25	93	-99	6
AKC1129	2.97	0.38	0.10	-99.00	7.3	0.3	13.4	5664	82	18	1071	57	44	25	94	-99	6
AKC1130	1.92	0.24	0.10	2.77	6.5	0.3	18.4	5647	115	59	784	812	4441	2990	172	-99	5
AKC1131	2.77	0.55	0.16	1.79	8.5	0.5	33.7	9468	212	87	1233	61	49	53	117	-99	8
AKC1133	3.33	0.21	0.05	0.15	4.1	0.1	12.9	3161	79	66	668	38	31	11	58	-99	5
AKC1134	2.31	0.20	0.08	-99.00	4.0	0.2	15.6	4413	96	99	1216	88	135	17	97	-99	2
AKC1135	1.89	0.15	0.05	-99.00	3.7	0.1	11.5	2747	63	82	1103	101	197	11	87	-99	2
AKC1136	1.26	0.08	0.03	-99.00	2.8	0.1	9.0	1649	40	73	1449	131	260	9	101	-99	2
AKC1137	2.34	0.20	0.06	0.07	3.0	0.1	11.4	3624	74	54	836	66	124	11	72	-99	2
AKC1138	2.51	0.17	0.05	-99.00	4.4	0.1	9.6	2695	56	45	983	77	111	11	76	-99	5
AKC1139	2.10	0.22	0.07	-99.00	5.2	0.2	19.4	4352	103	70	1475	101	125	17	109	-99	2
AKC1140	2.99	0.32	0.10	-99.00	5.3	0.3	20.8	5953	120	47	1110	57	50	23	95	-99	6
AKC1141	2.30	0.27	0.09	-99.00	5.9	0.2	18.7	5281	110	48	1473	99	114	23	114	-99	2
AKC1142	2.64	0.35	0.13	-99.00	9.7	0.3	24.9	7235	150	57	1387	78	92	29	113	-99	6
AKC1144	2.84	0.52	0.05	0.23	15.0	0.2	13.6	3390	82	36	994	79	169	186	81	-99	12
AKC1145	3.54	0.37	0.10	0.17	5.0	0.3	32.0	7895	230	94	914	34	19	45	80	-99	5
AKC1146	3.41	0.34	0.08	0.69	4.2	0.2	15.0	4526	91	16	655	27	15	17	58	-99	7
AKC1147	2.98	0.23	0.06	0.14	5.9	0.2	14.2	4083	88	33	866	54	61	17	73	-99	2
AKC1148	2.62	0.39	0.09	0.72	7.5	0.4	17.3	5383	142	96	953	135	569	664	111	-99	8
AKC1149	2.06	0.38	0.05	2.17	5.9	0.2	31.1	4319	193	273	1065	298	1421	1921	115	-99	10
AKC1150	2.82	0.83	0.26	1.08	12.1	0.6	34.2	10852	204	52	1452	46	6	10	198	-99	13
AKC1151	3.22	0.29	0.08	0.86	5.8	0.2	13.5	5761	100	13	797	39	29	23	76	-99	6
AKC1152	3.26	0.31	0.11	0.23	4.7	0.3	10.6	5716	78	12	723	33	23	25	74	-99	7
AKC1153	3.20	0.27	0.09	-99.00	5.1	0.2	11.2	5120	76	14	959	56	43	16	82	-99	5
AKC1154	2.95	0.30	0.07	0.08	6.6	0.2	14.1	3975	86	31	815	50	54	17	71	-99	7
AKC1155	2.92	0.34	0.10	-99.00	6.2	0.3	25.6	6795	158	62	1258	60	86	80	106	-99	7
AKC1156	3.25	0.39	0.11	0.10	6.5	0.3	22.5	8510	151	32	998	41	24	25	89	-99	7
AKC1157	2.92	0.35	0.13	-99.00	7.5	0.3	25.4	7251	156	46	1207	63	64	27	102	-99	6
AKC1158	1.92	0.21	0.07	2.23	4.3	0.3	20.1	6937	155	43	933	443	7279	4622	168	-99	2
AKC1159	2.47	0.34	0.12	1.26	5.6	0.3	24.0	6117	171	89	1209	234	993	1427	130	-99	2
AKC1160	0.89	2.35	0.11	1.83	11.5	0.6	28.6	2571	156	1122	1230	79	256	52	72	-99	114
AKC1161	3.30	0.33	0.09	0.02	7.3	0.2	19.7	6129	125	50	1001	49	42	18	84	-99	2
AKC1162	3.92	0.73	0.14	0.22	6.5	0.3	14.2	9320	183	18	748	31	20	19	73	-99	11
AKC1163	3.03	1.93	0.05	1.74	52.0	3.2	19.6	4718	157	173	497	32	159	28	105	-99	44
AKC1164	2.79	0.46	0.06	0.32	9.2	0.2	14.9	3762	92	53	1110	96	276	320	89	-99	8
AKC1165	2.92	0.74	0.20	0.49	7.9	0.5	33.8	9551	200	61	1477	50	7	99	121	-99	9
AKC1166	2.82	0.84	0.20	0.50	8.8	0.4	32.4	8534	203	70	1526	143	2432	2906	161	-99	11
AKC1167	3.48	0.34	0.09	0.18	3.9	0.2	20.4	5271	113	44	941	36	24	24	76	-99	2
AKC1168	2.96	0.35	0.11	-99.00	5.6	0.2	19.4	6004	115	35	1323	70	66	22	98	-99	5
AKC1171	1.84	0.19	0.06	0.55	4.4	0.1	13.7	3431	78	85	1358	103	225	15	94	-99	2
AKC1172	2.54	0.23	0.07	-99.00	4.6	0.1	15.6	4199	93	74	1206	78	137	25	90	-99	2
AKC1173	3.32	0.40	0.13	-99.00	6.8	0.3	23.4	7065	136	54	1252	56	45	29	99	-99	7
AKC1175	1.57	1.16	0.06	0.85	9.7	0.1	11.8	3284	76	46	1080	85	197	170	84	-99	23
AKC1177	3.37	0.52	0.20	1.15	8.4	0.5	28.1	11703	219	27	1384	51	37	50	119	-99	9
AKC1178	2.85	0.35	0.14	0.90	10.6	0.3	32.4	8530	209	81	1411	72	119	113	109	-99	5
AKC1179	2.81	0.33	0.09	-99.00	6.8	0.3	24.3	6590	150	47	1416	103	300	369	110	-99	6
AKC1180	3.28	0.43	0.15	0.11	6.8	0.3	25.7	7917	158	48	1176	43	28	28	95	-99	6
AKC1181	1.07	0.15	0.08	1.71	6.6	0.1	19.5	3394	84	74	2093	146	220	15	125	-99	2
AKC1182	2.23	0.46	0.06	1.10	8.9	0.1	14.4	3452	79	71	1112	75	136	18	80	-99	9
AKC1183	2.23	0.19	0.06	0.20	4.0	0.1	14.0	3144	77	88	1192	87	171	12	82	-99	2
AKC1184	2.33	0.18	0.06	-99.00	4.0	0.1	11.3	3061	64	67	1155	88	151	10	83	-99	2
AKC1185	1.94	0.21	0.07	-99.00	4.5	0.1	15.8	3616	83	93	1414	98	182	14	97	-99	2
AKC1186	2.64	0.28	0.09	-99.00	5.6	0.3	17.9	5092	110	89	1201	68	92	24	93	-99	5
AKC1187	2.66	0.29	0.09	-99.00	5.5	0.2	17.9	4852	104	80	1274	76	94	23	95	-99	6
AKC1188	2.99	0.45	0.18	-99.00	6.7	0.4	43.3	8470	239	198	1725	62	35	33	138	-99	6
AKC1189	2.83	0.35	0.10	0.25	6.1	0.3	24.6	6359	148	72	1303	82	123	122	103	-99	5
AKC1190	2.79	0.36	0.12	0.10	7.0	0.3	23.9	7098	148	46	1297	63	64	28	102	-99	6

Appendix 2 - Drill Core

Sample	Na2O pct	K2O pct	P2O5 pct	LOI pct	Li ppm	Be ppm	Sc ppm	Ti ppm	V ppm	Cr ppm	Mn ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm	Ga ppm	Rb ppm
AKC1191	3.00	0.58	0.16	-99.00	12.7	0.4	25.4	7342	151	53	1374	57	13	18	113	-99	9
AKC1193	2.92	0.94	0.04	0.71	18.3	0.3	15.3	2276	87	81	1031	80	203	236	76	-99	23
AKC1194	2.57	0.32	0.13	3.56	11.4	0.3	23.4	10640	218	46	1398	264	2328	2125	148	-99	7
AKC1195	2.30	0.34	0.11	2.44	13.9	0.3	28.1	7376	158	56	1587	75	87	32	117	-99	7
AKC1196	3.21	0.45	0.16	-99.00	7.6	0.4	26.4	8455	165	48	1276	51	34	29	106	-99	6
AKC1200	2.06	0.20	0.07	0.61	4.2	0.1	16.6	4008	91	85	1288	90	165	14	90	-99	2
AKC1201	2.88	0.31	0.09	-99.00	6.3	0.2	22.3	5471	124	69	1171	63	65	21	87	-99	5
AKC1202	3.23	0.44	0.13	0.02	7.4	0.3	26.9	8251	168	58	1158	48	34	24	92	-99	7
AKC1203	2.58	0.42	0.16	-99.00	6.6	0.3	28.8	8162	165	62	1737	84	75	34	125	-99	6
AKC1204	2.92	0.40	0.12	-99.00	6.5	0.3	25.6	7581	156	52	1366	62	47	30	104	-99	7
AKC1205	2.99	0.42	0.10	0.43	8.2	0.2	28.1	5666	155	55	1357	65	74	61	100	-99	6
AKC1206	2.43	0.66	0.07	1.14	10.4	0.2	16.7	4445	131	116	1048	176	951	1128	100	-99	16
AKC1207	0.71	0.18	0.06	4.72	5.5	0.3	9.9	3638	79	72	828	569	1582	1225	75	-99	6
AKC1208	3.01	1.18	0.03	0.98	30.5	0.4	23.8	4939	148	71	1151	55	42	129	80	-99	34
AKC1210	2.82	0.71	0.06	0.53	19.4	0.3	12.5	3315	74	32	1033	74	188	185	78	-99	14
AKC1211	3.14	0.38	0.09	0.11	8.1	0.2	21.5	6107	119	23	1198	50	35	32	90	-99	7
AKC1212	2.07	0.28	0.12	-99.00	7.0	0.2	27.3	6080	141	69	1868	104	118	35	134	-99	2
AKC1213	2.63	0.33	0.11	-99.00	6.8	0.2	28.6	7096	159	73	1521	78	82	26	111	-99	5
AKC1214	2.69	0.29	0.10	-99.00	5.9	0.2	21.1	5781	120	70	1319	73	94	22	98	-99	2
AKC1215	3.08	0.42	0.16	-99.00	7.0	0.4	29.4	8990	178	86	1433	63	56	34	111	-99	5
AKC1216	3.39	0.32	0.10	0.21	4.8	0.2	12.1	6579	91	11	829	34	22	22	76	-99	2
AKC1217	3.31	0.24	0.08	0.19	4.9	0.2	16.5	4853	102	30	795	36	26	19	68	-99	2
AKC1218	3.12	0.37	0.14	-99.00	6.6	0.3	19.0	7040	118	27	1306	63	46	29	107	-99	2
AKC1220	2.29	0.49	0.03	2.51	5.9	0.2	11.1	1744	119	130	863	182	614	786	82	-99	9
AKC1221	2.31	2.53	0.08	9.48	26.4	2.7	14.3	4088	377	166	137	37	142	182	220	-99	75

Appendix 2 - Drill Core

Sample	Sr ppm	Y ppm	Zr ppm	Nb ppm	Mo ppm	Ba ppm	La ppm	Ce ppm	Dy ppm	Pb ppm
AKC0639	277	22	72	3	1	197	8	18	3.3	1
AKC0640	229	15	50	1	1	157	5	17	2.7	16
AKC0642	287	24	81	3	1	231	10	20	3.5	1
AKC0644	294	28	94	4	1	283	12	26	4.2	3
AKC0645	309	35	140	8	1	568	24	46	5.3	5
AKC0646	264	24	151	7	2	586	31	51	3.7	6
AKC0647	195	21	64	2	1	162	7	18	3.3	2
AKC0648	227	26	88	3	1	206	9	21	3.8	2
AKC0652	284	15	45	1	1	152	6	12	2.0	1
AKC0654	187	28	203	12	1	765	51	83	4.1	19
AKC0655	333	25	71	3	1	169	8	17	3.5	9
AKC0656	290	19	58	2	1	150	6	14	2.8	1
AKC0657	268	19	67	3	1	171	7	16	3.0	1
AKC0658	189	12	35	1	2	101	3	13	1.9	9
AKC0659	206	15	50	1	5	117	3	19	2.5	19
AKC0660	296	35	143	6	1	487	22	42	5.5	6
AKC0661	401	18	67	4	1	760	15	26	2.7	4
AKC0662	350	24	75	3	1	247	10	21	3.5	1
AKC0663	321	20	60	2	1	167	6	14	2.8	1
AKC0665	296	14	33	1	1	120	4	11	1.9	2
AKC0666	299	22	60	2	1	166	7	15	3.2	1
AKC0668	215	13	33	1	1	120	3	17	2.4	12
AKC0669	277	26	87	4	1	253	10	23	4.0	4
AKC0670	339	16	38	1	2	188	4	12	2.2	3
AKC0671	283	25	78	3	1	230	9	20	3.6	1
AKC0673	110	17	169	7	2	437	31	53	2.3	15
AKC0674	203	27	207	7	3	469	30	51	3.8	11
AKC0675	359	20	54	3	1	179	7	14	2.6	1
AKC0676	258	13	34	1	1	124	4	10	2.0	3
AKC0677	265	18	54	1	1	145	6	15	2.9	3
AKC0678	238	22	362	19	2	847	66	104	3.7	16
AKC0679	367	23	63	3	1	186	8	17	3.3	1
AKC0680	359	24	72	3	1	183	8	17	3.4	1
AKC0681	254	15	41	1	1	118	5	13	2.4	4
AKC0684	293	16	47	1	1	152	6	13	2.3	2
AKC0685	298	25	84	2	1	235	10	22	3.9	4
AKC0686	304	27	88	4	1	275	11	25	4.2	2
AKC0687	371	23	67	3	1	181	8	16	3.3	1
AKC0688	303	26	78	3	1	168	8	18	3.7	1
AKC0689	280	24	76	3	1	234	9	21	3.6	4
AKC0691	227	25	303	16	2	1034	56	90	4.2	13
AKC0692A	471	19	65	4	1	693	15	28	2.7	4
AKC0692B	447	20	63	3	1	628	16	28	2.9	4
AKC0693	428	19	59	4	1	539	15	27	2.8	5
AKC0694	348	21	58	3	1	172	7	14	3.0	1
AKC0695	206	15	44	1	1	122	4	15	2.5	9
AKC0697	262	22	71	2	1	200	8	19	3.4	6
AKC0699	290	25	75	3	1	261	10	21	3.7	1
AKC0700	299	34	131	8	1	467	20	38	5.1	3
AKC0701	295	32	115	6	1	354	15	31	4.9	1
AKC0702	355	17	42	3	1	149	6	12	2.3	1
AKC0703	277	32	100	4	1	205	11	24	4.8	1
AKC0705	309	23	76	5	1	311	17	31	3.4	2
AKC0706	351	19	51	2	1	152	6	13	2.6	1
AKC0707	364	18	53	2	1	149	7	13	2.5	1
AKC0708	391	32	109	4	1	251	13	24	4.8	1
AKC0709	279	26	72	3	1	192	8	18	3.8	1
AKC0712	354	18	41	2	1	135	5	10	2.5	1
AKC0713	328	14	41	1	1	143	4	11	2.0	1
AKC0718	311	23	70	3	1	198	8	19	3.5	1
AKC0719	263	30	101	4	1	233	10	24	4.7	1

Appendix 2 - Drill Core

Sample	Sr ppm	Y ppm	Zr ppm	Nb ppm	Mo ppm	Ba ppm	La ppm	Ce ppm	Dy ppm	Pb ppm
AKC0720	298	11	26	1	1	118	4	9	1.5	1
AKC0721	259	14	38	1	1	122	5	12	1.9	1
AKC0722	349	17	60	4	1	142	5	11	2.8	1
AKC0723	286	12	41	1	1	149	3	10	1.8	2
AKC0724	170	11	38	1	1	78	1	18	1.3	89
AKC0725	254	16	56	3	1	147	4	13	2.6	1
AKC0800	366	16	56	4	1	130	5	11	2.5	1
AKC0801	346	16	54	4	1	173	6	13	2.6	1
AKC0802	312	30	141	6	1	244	13	27	5.2	1
AKC0803	337	15	56	4	1	140	5	12	2.6	1
AKC0805	250	17	62	1	1	172	5	17	2.6	8
AKC0806	300	26	111	7	1	333	14	28	4.3	3
AKC0807	135	8	179	14	6	450	31	52	1.9	16
AKC0808	366	17	61	4	1	142	6	12	2.8	1
AKC0809	373	11	37	3	1	115	4	9	1.7	1
AKC0810	285	14	54	4	1	143	4	12	2.4	1
AKC0811	299	10	38	3	1	105	3	8	1.7	1
AKC0812	548	8	28	3	1	148	3	7	1.6	1
AKC0813	321	16	67	4	1	157	6	14	2.6	1
AKC0814	311	19	77	5	1	163	6	15	3.3	1
AKC0815	285	14	45	3	1	153	4	11	2.4	4
AKC0816	297	24	91	6	1	238	9	20	3.9	1
AKC0817	418	21	127	11	1	334	16	33	3.7	1
AKC0818	356	26	115	8	1	298	13	26	4.4	1
AKC0819	313	30	132	10	1	415	20	38	5.1	1
AKC0820	441	11	75	6	1	245	9	18	2.0	1
AKC0821	314	30	146	9	1	459	20	38	5.1	4
AKC0822	148	10	65	3	1	162	6	19	2.0	8
AKC0823	230	14	91	5	1	258	10	25	2.5	5
AKC0824	405	14	86	3	1	245	9	26	2.5	16
AKC0825	448	28	195	17	1	455	26	54	5.1	1
AKC0826	142	41	141	12	17	392	20	36	5.5	2
AKC0827	231	37	157	7	1	289	13	30	6.4	1
AKC0827B	309	19	67	5	1	163	6	13	3.2	1
AKC0828	282	20	72	5	1	166	5	14	3.1	1
AKC0829	300	21	72	3	1	161	6	15	3.2	3
AKC0830	23	3	35	1	9	6	1	25	0.1	24
AKC0831	181	16	147	6	3	96	48	78	3.6	16
AKC0832	332	20	81	6	1	172	7	17	3.5	1
AKC0833	246	19	73	1	1	142	4	16	2.8	10
AKC0834	242	14	54	1	2	113	3	13	2.3	12
AKC0835	177	17	166	11	30	48	39	68	3.2	22
AKC0836	344	14	44	3	1	125	4	10	2.3	1
AKC0837	282	15	64	1	2	160	5	15	2.1	30
AKC0838	230	16	64	1	2	129	3	17	2.2	18
AKC0839	137	7	27	1	2	50	1	16	0.4	23
AKC0840	283	21	79	5	12	230	10	19	3.5	5
AKC0842	382	13	36	1	1	48	13	32	2.1	24
AKC0843	299	30	137	18	1	387	24	51	5.3	2
AKC0844	445	19	92	9	1	591	19	36	3.4	1
AKC0845	401	24	84	11	1	427	21	39	4.2	1
AKC0846	293	32	156	11	1	422	21	41	5.3	3
AKC0847	275	30	200	11	1	635	30	53	5.1	4
AKC0848	443	16	101	6	1	367	14	24	2.6	1
AKC0849	347	14	51	4	1	130	5	11	2.4	1
AKC0850	271	22	89	2	1	168	6	18	3.4	5
AKC0851	285	17	74	1	2	134	5	14	2.6	16
AKC0852	303	21	78	4	1	176	8	16	3.4	4
AKC0853	204	17	66	1	1	120	3	17	2.4	56
AKC0854	186	7	232	12	1	640	45	72	1.8	9
AKC0855	308	21	76	5	1	177	6	15	3.7	1

Appendix 2 - Drill Core

Sample	Sr ppm	Y ppm	Zr ppm	Nb ppm	Mo ppm	Ba ppm	La ppm	Ce ppm	Dy ppm	Pb ppm
AKC0856	282	23	82	4	1	175	9	22	3.8	1
AKC0857	198	17	100	1	1	40	12	33	2.7	42
AKC0858	312	20	67	4	1	155	6	14	3.2	1
AKC0859	275	19	74	3	1	149	5	16	3.0	5
AKC0860	280	22	92	8	1	288	14	28	3.8	24
AKC0861	333	12	46	3	2	102	4	9	1.9	6
AKC0862	290	28	102	8	1	335	14	28	4.5	1
AKC0863	197	8	186	8	1	624	44	70	1.8	17
AKC0864	304	16	59	4	1	144	5	12	2.7	1
AKC0865	282	19	72	4	1	155	5	13	3.0	1
AKC0866	288	17	69	4	1	151	5	13	3.0	1
AKC0868	277	51	361	22	2	864	56	100	8.8	9
AKC0869	257	50	243	23	2	781	54	96	8.7	10
AKC0870	346	26	162	15	4	553	28	50	4.6	1
AKC0871	441	21	131	10	1	393	17	35	3.7	1
AKC0872	283	41	285	22	2	832	59	102	7.1	4
AKC0873	248	42	294	22	2	584	60	103	7.0	3
AKC0874	427	11	71	5	1	216	8	18	2.1	1
AKC0875	440	12	71	7	1	254	10	21	2.4	1
AKC0876	442	12	78	7	1	239	10	21	2.5	1
AKC0876B	136	11	75	2	1	150	7	21	2.2	5
AKC0877	257	14	88	2	1	224	10	28	2.4	13
AKC0877B	160	11	81	5	1	191	8	21	2.3	3
AKC0878	128	18	124	13	22	73	35	57	3.3	11
AKC0879	301	58	323	19	9	1086	64	115	10.6	11
AKC0880	398	24	94	8	2	275	12	25	4.4	1
AKC0882	285	41	191	17	1	532	35	69	7.2	8
AKC1087	302	53	166	25	2	669	62	112	8.9	6
AKC1088	314	29	132	15	1	579	39	68	5.0	4
AKC1089	445	17	74	5	1	443	22	37	2.9	1
AKC1090	344	33	148	10	1	712	19	37	5.5	114
AKC1091	480	15	133	12	2	626	18	32	2.8	1
AKC1092	231	45	148	21	1	425	41	86	8.4	8
AKC1093	186	16	156	13	13	62	30	53	3.1	10
AKC1094	211	20	167	8	1	566	36	58	3.5	8
AKC1095	400	14	205	7	1	759	56	77	2.5	3
AKC1096	378	17	68	4	1	160	6	13	2.7	1
AKC1097	330	11	38	3	1	110	3	9	1.7	1
AKC1098	289	22	85	4	1	183	7	18	3.6	1
AKC1099	299	25	104	6	1	296	12	26	4.2	1
AKC1100	319	27	114	8	1	291	13	28	4.4	1
AKC1101	276	28	134	9	1	310	15	30	4.6	1
AKC1103	302	31	148	10	1	414	18	36	5.2	4
AKC1104	116	11	74	9	47	43	25	44	2.5	10
AKC1105	295	21	84	6	1	167	7	16	3.6	1
AKC1106	311	18	64	4	5	200	5	14	3.0	1
AKC1107	264	16	60	2	2	155	4	15	2.7	11
AKC1108	273	22	90	5	1	227	8	20	3.9	1
AKC1109	364	28	120	8	1	322	15	29	4.7	1
AKC1110	261	23	102	7	1	272	11	25	4.0	1
AKC1111	3	11	13	1	4	8	9	10	2.0	3
AKC1112	154	12	82	4	1	180	8	22	2.8	6
AKC1113	426	18	99	5	1	338	13	31	3.5	5
AKC1114	378	18	80	4	1	902	15	28	3.2	2
AKC1115	311	31	141	10	1	441	19	38	5.1	2
AKC1116	278	21	72	3	1	160	5	15	4.0	1
AKC1118	323	15	54	4	1	136	4	11	2.4	1
AKC1119	356	42	171	8	1	360	16	31	7.1	1
AKC1120	297	20	74	5	1	177	6	15	3.3	1
AKC1121	313	15	58	4	1	128	4	11	2.6	1
AKC1122	277	20	71	3	1	148	6	15	3.6	1

Appendix 2 - Drill Core

Sample	Sr ppm	Y ppm	Zr ppm	Nb ppm	Mo ppm	Ba ppm	La ppm	Ce ppm	Dy ppm	Pb ppm
AKC1123	274	20	79	4	1	157	6	15	3.4	1
AKC1125	271	21	83	3	4	190	7	22	4.3	15
AKC1126	265	9	37	2	1	103	3	8	1.9	1
AKC1127	286	20	62	5	1	156	6	13	3.5	1
AKC1128	322	23	89	5	1	194	8	17	3.7	1
AKC1129	325	16	67	4	1	165	6	14	2.8	1
AKC1130	204	17	63	1	1	130	2	19	4.6	17
AKC1131	270	28	94	5	1	198	9	19	4.9	1
AKC1133	377	10	29	3	1	112	3	7	1.7	1
AKC1134	256	12	45	4	1	123	3	9	2.5	1
AKC1135	248	8	26	2	1	87	2	7	1.8	1
AKC1136	177	5	15	1	1	55	1	6	1.3	1
AKC1137	338	10	34	3	1	105	3	8	2.1	1
AKC1138	326	8	26	2	1	98	2	7	1.5	1
AKC1139	231	14	37	3	1	118	3	9	2.5	1
AKC1140	333	18	59	4	1	161	6	14	3.3	1
AKC1141	234	15	51	4	1	128	4	11	2.8	1
AKC1142	267	21	72	5	1	170	6	16	3.9	1
AKC1144	315	9	35	2	1	124	3	8	1.8	1
AKC1145	353	19	68	5	1	172	6	13	3.3	1
AKC1146	402	15	50	3	1	141	5	10	2.4	1
AKC1147	346	13	44	3	1	113	3	9	2.2	1
AKC1148	289	16	71	3	1	158	11	21	3.3	1
AKC1149	241	13	37	1	1	142	4	13	2.8	12
AKC1150	296	29	129	8	1	483	19	36	5.3	2
AKC1151	388	16	52	5	1	134	5	10	2.7	1
AKC1152	390	18	69	4	1	158	7	14	3.3	1
AKC1153	343	14	49	4	1	146	4	11	2.5	1
AKC1154	361	13	38	4	1	131	4	9	2.2	1
AKC1155	290	20	70	5	1	168	5	14	3.6	1
AKC1156	341	19	73	6	1	169	6	14	3.5	1
AKC1157	298	22	78	5	1	171	6	15	3.9	1
AKC1158	216	15	60	1	1	116	2	14	3.9	17
AKC1159	265	19	67	2	1	186	6	17	3.7	11
AKC1160	138	10	39	2	1	366	7	16	2.2	4
AKC1161	345	15	57	4	1	153	5	11	2.8	1
AKC1162	354	16	80	6	1	258	12	23	2.3	1
AKC1163	220	8	191	12	1	417	33	56	1.6	3
AKC1164	294	13	45	3	1	166	7	16	1.7	1
AKC1165	286	27	116	7	1	325	13	31	4.4	1
AKC1166	286	25	80	1	1	300	13	30	3.9	13
AKC1167	367	16	64	4	1	153	5	13	2.4	1
AKC1168	294	18	65	4	1	149	6	16	2.7	1
AKC1171	230	10	34	3	1	94	2	10	1.5	1
AKC1172	282	13	44	3	1	121	4	12	1.7	1
AKC1173	308	20	73	5	1	177	6	18	3.0	1
AKC1175	285	10	39	2	1	300	4	10	1.4	1
AKC1177	297	31	126	7	1	228	10	25	4.9	1
AKC1178	275	24	81	5	1	181	7	19	3.8	1
AKC1179	295	18	56	4	1	162	5	14	2.6	1
AKC1180	330	24	93	6	1	196	8	19	3.7	1
AKC1181	128	13	38	2	1	92	2	15	2.0	3
AKC1182	313	11	35	3	1	130	3	10	1.7	1
AKC1183	276	10	29	3	1	92	2	9	1.4	1
AKC1184	287	9	31	2	1	97	3	9	1.3	1
AKC1185	253	12	41	3	1	106	3	11	1.6	1
AKC1186	307	15	53	4	1	149	4	11	2.3	1
AKC1187	293	15	51	4	1	143	4	14	2.2	1
AKC1188	256	29	91	6	1	194	8	23	4.5	1
AKC1189	297	20	72	4	1	157	6	15	3.1	1
AKC1190	292	21	74	5	1	168	6	17	3.2	1

Appendix 2 - Drill Core

Sample	Sr ppm	Y ppm	Zr ppm	Nb ppm	Mo ppm	Ba ppm	La ppm	Ce ppm	Dy ppm	Pb ppm
AKC1191	300	21	85	5	1	259	9	23	3.1	1
AKC1193	294	8	29	1	1	174	4	9	1.1	2
AKC1194	259	19	67	1	1	153	5	20	2.7	6
AKC1195	221	20	71	4	1	139	5	18	2.9	1
AKC1196	310	26	104	6	1	213	9	22	4.1	1
AKC1200	274	13	41	2	1	112	3	11	1.6	1
AKC1201	320	17	54	4	1	146	5	14	2.5	1
AKC1202	329	24	88	6	1	200	8	20	3.5	1
AKC1203	241	24	87	6	1	193	8	20	3.8	1
AKC1204	295	21	86	5	1	174	7	18	3.2	1
AKC1205	296	18	69	4	1	159	5	16	2.8	1
AKC1206	307	14	58	2	1	125	4	11	1.8	1
AKC1207	64	13	133	1	4	119	17	44	1.8	10
AKC1208	277	8	23	3	1	256	4	9	1.1	2
AKC1210	317	10	46	2	1	171	5	12	1.6	1
AKC1211	345	18	55	4	1	154	5	14	2.7	1
AKC1212	192	20	64	4	1	151	5	18	3.1	2
AKC1213	252	21	79	5	1	165	6	18	3.1	1
AKC1214	292	17	62	4	1	153	5	16	2.6	1
AKC1215	282	26	99	6	1	216	9	22	4.1	1
AKC1216	382	16	64	5	1	152	6	13	2.3	1
AKC1217	364	14	54	4	1	117	4	11	1.8	1
AKC1218	286	21	83	5	1	167	7	17	3.1	1
AKC1220	272	6	31	2	2	160	5	12	0.7	7
AKC1221	85	17	156	13	21	52	30	60	2.9	14

Appendix 3 - REE

Sample	Labnum	Drillhole	Depth m	Group	Unit	Symbol	Rocktype	Y ppm	Zr ppm	Nb ppm	Ba ppm	La ppm	Ce ppm	Pr ppm	Nd ppm
AKC0640	6340819	SVB-96-02	18.9	NH	23	13	LEOP	3.54	9.56	0.75	237.50	2.36	4.67	0.62	2.98
AKC0642	6340821	SVB-96-02	38.1	NH	24	13	SGBR	20.52	93.79	3.36	214.85	8.52	19.48	2.62	12.01
AKC0644	6340822	SVB-96-02	73.2	NH	24	13	SGBR	23.61	110.72	4.41	264.49	10.57	24.05	3.19	14.65
AKC0645	6340823	SVB-96-02	91.8	NH	5	1	DIBS	28.37	164.71	7.35	521.42	21.11	44.83	5.66	23.96
AKC0646	6340824	SVB-96-02	93.0	NH	12	0	GBBR	20.52	181.48	7.04	537.25	27.86	55.64	6.46	24.50
AKC0647	6340825	SVB-96-04	3.7	NN	1	3	TROC	17.75	61.92	2.72	154.30	6.02	14.29	2.01	9.37
AKC0648	6340826	SVB-96-04	25.9	NN	1	3	GBBR	22.37	80.81	3.57	195.59	8.27	19.31	2.68	12.41
AKC0652	6340827	SVB-96-04	57.9	NN	21	13	CGBR	11.61	46.69	2.66	138.87	4.87	11.08	1.50	6.89
AKC0655	6340829	SVB-96-36	10.7	MH	3	2	LCGB	20.04	93.25	3.19	158.48	6.73	15.95	2.28	10.91
AKC0656	6340831	SVB-96-36	74.4	MH	3	2	LCGB	16.31	74.77	2.76	140.70	5.31	12.57	1.80	8.70
AKC0657	6340832	SVB-96-36	97.9	MH	1	3	GBBR	17.37	83.31	3.06	161.75	6.65	15.31	2.11	9.79
AKC0658	6340833	SVB-96-36	102.7	MH	24	13	SGBR	9.64	44.35	1.96	108.94	3.51	8.04	1.10	5.29
AKC0660	6340835	SVB-96-36	141.2	MH	25	13	BGBR	30.36	179.54	6.52	460.13	20.32	43.41	5.56	23.76
AKC0675	6340849	SVB-96-44	11.3	NH	3	2	LCGB	15.05	72.86	3.12	170.26	6.51	14.55	2.01	9.06
AKC0677	6340852	SVB-96-44	29.6	NH	24	13	SGBR	15.72	73.63	2.89	136.47	5.38	12.58	1.78	8.39
AKC0688	6340862	SVB-96-50	28.1	NH	22	13	CGBR	19.00	111.13	4.22	149.69	6.42	15.19	2.12	10.16
AKC0694	6340868	SVB-96-49	20.1	MH	3	13	LCGB	17.00	77.36	2.90	155.89	5.63	13.17	1.90	8.95
AKC0695	6340869	SVB-96-49	43.3	MH	24	13	SGBR	12.13	52.23	2.04	119.16	4.41	10.11	1.42	6.54
AKC0697	6340871	SVB-96-48	43.9	MH	24	13	SGBR	18.85	91.47	3.47	190.52	7.67	17.46	2.38	11.11
AKC0699	6340872	SVB-96-48	55.8	MH	25	13	BGBR	21.17	97.81	3.78	244.76	8.82	20.06	2.70	12.58
AKC0700	6340873	SVB-96-48	63.7	MH	5	1	DIBS	28.15	162.94	7.42	432.50	18.40	39.20	5.07	21.79
AKC0701	6340874	SVB-96-48	63.1	MH	5	1	DIBS	27.46	133.86	5.43	329.55	13.60	30.28	4.00	18.14
AKC0703	6340876	SVB-96-20	35.1	NH	22	13	CGBR	14.39	85.64	3.18	144.67	5.49	12.55	1.72	8.06
AKC0705	6340877	SVB-97-56	80.7	NH	5	1	DIBS	19.44	123.39	6.33	301.31	15.80	33.43	4.15	17.00
AKC0706	6340878	SVB-97-56	110.3	NH	3	2	LCGB	14.82	67.73	2.45	141.54	5.35	12.46	1.70	8.04
AKC0707	6340879	SVB-97-56	134.1	NH	3	2	LCGB	14.99	67.47	2.57	149.25	5.83	13.66	1.86	8.50
AKC0708	6340881	SVB-97-56	164.6	NH	3	2	LCGB	27.95	125.21	4.30	229.18	10.93	25.34	3.50	16.25
AKC0709	6340882	SVB-97-56	194.0	NH	1	3	GBBR	21.75	84.93	3.02	181.40	6.98	16.65	2.37	11.19
AKC0718	6340885	SVB-97-59	356.0	NN	1	3	GBBR	19.99	81.65	3.37	181.68	7.17	16.81	2.33	11.11
AKC0719	6340886	SVB-97-59	362.0	NN	1	3	GBBR	26.27	88.99	4.51	216.19	9.19	21.68	3.03	14.31
AKC0720	6340887	SVB-97-59	272.7	NN	1	3	GBBR	8.55	28.61	1.52	110.27	3.35	7.64	1.05	4.85
AKC0721	6340888	SVB-97-59	236.0	NN	1	3	GBBR	10.56	53.25	1.88	112.05	4.33	9.91	1.36	6.28
AKC0722	6340897	SVB-97-67	165.0	NT	21	13	CGBR	15.02	90.00	3.37	139.76	5.34	12.54	1.73	8.15
AKC0803	6340905	SVB-97-75	138.8	NT	4	13	BGBR	14.23	60.94	2.45	136.93	5.20	11.98	1.67	7.92
AKC0810	6340912	SVB-97-77	108.0	NN	1	3	GBBR	13.54	60.50	2.26	140.55	5.14	11.77	1.63	7.65
AKC0811	6340913	SVB-97-77	185.0	NN	1	3	GBBR	9.53	42.59	1.68	107.46	3.77	8.49	1.18	5.40
AKC0812	6340914	SVB-97-77	227.0	NN	1	3	GBBR	7.39	32.79	1.41	140.54	3.29	7.21	0.98	4.47
AKC0813	6340915	SVB-97-77	278.4	NN	1	3	GBBR	15.41	72.04	2.89	155.54	6.20	14.07	1.95	8.96
AKC0815	6340917	SVB-97-77	429.5	NN	24	13	SGBR	11.27	68.81	2.81	138.36	4.36	9.82	1.35	6.25
AKC0824	6340927	SVB-97-79	724.8	SI	24	13	SGBR	11.56	126.35	7.89	225.48	9.77	23.36	3.22	14.46
AKC0825	6340928	SVB-97-79	757.7	SI	5	1	DIBS	24.30	301.21	19.51	434.54	23.77	57.86	8.03	36.12
AKC0828	6340933	SVB-98-102	168.7	NT	4	7	GBBR	17.89	74.64	3.04	163.49	6.13	14.36	2.02	9.59
AKC0832	6340937	SVB-98-098	140.3	NT	4	7	GBBR	19.47	90.60	3.46	172.68	6.92	16.13	2.27	10.71
AKC0833	6340938	SVB-98-098	151.0	NT	21	13	CGBR	16.51	103.45	4.08	139.88	5.94	13.98	1.95	9.20
AKC0834	6340939	SVB-98-098	161.0	NT	22	13	CGBR	11.25	67.70	3.05	108.62	4.24	9.81	1.36	6.31
AKC0836	6340942	SVB-98-103	145.4	NT	4	7	GBBR	12.62	55.30	2.06	131.84	4.72	10.84	1.50	6.99
AKC0849	6340955	SVB-97-70	139.1	NT	4	7	GBBR	13.01	57.13	2.27	140.77	4.89	11.36	1.57	7.32
AKC0850	6340956	SVB-97-70	158.0	NT	21	13	CGBR	19.11	122.64	4.44	161.73	7.00	16.46	2.30	10.69
AKC0851	6340957	SVB-97-70	176.0	NT	22	13	CGBR	14.69	116.28	5.32	128.75	6.09	13.79	1.88	8.68
AKC0871	6340979	SVB-97-86	92.0	SU	1	3	GBBR	19.35	144.07	9.70	376.67	15.70	37.60	5.22	23.52
AKC0873	6340982	SVB-97-86	138.5	SI	5	1	DIBS	36.28	444.77	30.24	549.21	52.51	113.68	13.76	54.88
AKC0874	6340983	SVB-97-86	273.3	SI	1	3	GBBR	10.41	71.65	4.73	211.28	8.32	19.58	2.72	12.22
AKC0875	6340984	SVB-97-86	361.8	SI	1	3	GBBR	10.93	80.96	5.44	244.83	9.30	22.02	3.05	13.82
AKC0876	6340986	SVB-97-86	466.0	SI	1	3	GBBR	12.14	81.81	5.92	241.81	9.79	23.19	3.18	14.49
AKC0876B	6340985	SVB-97-86	593.6	SI	2	9	MEGB	11.24	74.17	5.62	161.38	8.42	20.41	2.85	12.63
AKC0877B	6340987	SVB-97-86	566.3	SI	2	9	MEGB	13.03	80.80	5.92	191.45	9.78	23.49	3.23	15.00
AKC1116	6341022	SVB-98-116	122.0	NT	26	13	PODS	17.45	99.90	3.47	148.53	5.57	13.16	1.87	8.90
AKC1123	6341028	SVB-98-112	95.1	NH	4	7	GBBR	19.02	77.12	3.03	150.03	6.30	14.88	2.11	10.06
AKC1127	6341032	SVB-98-106	109.1	NT	4	7	GBBR	17.86	71.46	2.71	146.11	5.53	13.10	1.87	8.97
AKC1131	6341036	SVB-98-113	99.6	NT	5	1	DIBS	23.56	141.84	5.10	179.83	8.17	19.07	2.65	12.50
AKC1134	6341038	SVB-98-108	85.2	NT	1	3	GBBR	10.46	67.01	5.40	118.55	4.00	9.25	1.29	5.98
AKC1136	6341041	SVB-98-108	186.0	NT	1	3	GBBR	3.66	23.47	2.49	52.98	1.44	3.28	0.45	2.03
AKC1139	6341044	SVB-98-108	252.0	NT	4	7	GBBR	11.59	43.73	1.96	114.34	4.11	9.45	1.32	6.22
AKC1142	6341047	SVB-98-108	373.5	NT	4	7	GBBR	19.08	77.55	2.69	164.48	6.68	15.59	2.17	10.21
AKC1148	6341053	SVB-98-107	252.3	NT	22	13	CGBR	14.45	124.66	7.64	153.87	11.01	22.52	2.80	12.04
AKC1158	6341064	SVB-97-80	70.0	NH	22	13	CGBR	12.59	85.70	7.79	116.90	4.26	10.07	1.42	6.73
AKC1179	6341083	SVB-97-59	376.0	NN	21	13	CGBR	14.40	80.35	5.56	152.36	4.84	11.46	1.60	7.67
AKC1191	6341096	SVB-97-63	387.2	NN	5	1	DIBS	18.98	142.28	6.56	259.55	9.43	21.11	2.79	12.43

Appendix 3 - REE

Sample	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Hf ppm	Ta ppm	Th ppm
AKC0640	0.78	0.82	0.76	0.11	0.69	0.15	0.40	0.06	0.41	0.06	0.33	0.02	0.03
AKC0642	3.13	1.25	3.69	0.59	3.79	0.81	2.37	0.33	2.18	0.33	2.41	0.06	0.78
AKC0644	3.70	1.45	4.35	0.70	4.37	0.94	2.72	0.38	2.44	0.37	3.24	0.08	1.03
AKC0645	5.32	1.70	5.60	0.85	5.31	1.12	3.20	0.47	2.99	0.46	4.19	0.14	2.34
AKC0646	4.76	1.38	4.27	0.64	3.83	0.80	2.33	0.35	2.25	0.35	4.66	0.20	5.84
AKC0647	2.70	1.07	3.17	0.51	3.39	0.72	2.07	0.29	1.95	0.28	1.78	0.07	0.51
AKC0648	3.39	1.25	4.08	0.66	4.25	0.89	2.58	0.37	2.41	0.37	2.37	0.07	0.76
AKC0652	1.85	0.97	2.09	0.34	2.20	0.47	1.36	0.19	1.23	0.18	1.28	0.05	0.43
AKC0655	3.07	1.26	3.58	0.60	3.81	0.81	2.37	0.33	2.16	0.33	2.49	0.08	0.54
AKC0656	2.50	1.10	2.87	0.46	3.13	0.67	1.93	0.27	1.76	0.27	2.04	0.07	0.44
AKC0657	2.78	1.16	3.09	0.51	3.29	0.71	2.03	0.29	1.90	0.29	2.20	0.09	0.64
AKC0658	1.55	0.74	1.70	0.28	1.81	0.38	1.13	0.16	1.04	0.16	1.19	0.06	0.32
AKC0660	5.47	1.73	5.89	0.91	5.74	1.22	3.50	0.49	3.21	0.48	5.13	0.19	2.40
AKC0675	2.53	1.10	2.75	0.44	2.84	0.60	1.75	0.24	1.55	0.24	1.92	0.08	0.86
AKC0677	2.32	1.07	2.75	0.45	2.92	0.63	1.83	0.26	1.67	0.25	1.94	0.06	0.49
AKC0688	3.02	1.20	3.59	0.58	3.73	0.81	2.48	0.34	2.10	0.31	2.94	0.19	0.60
AKC0694	2.55	1.12	3.00	0.49	3.20	0.67	2.02	0.28	1.83	0.27	2.03	0.05	0.44
AKC0695	1.81	0.80	2.16	0.34	2.22	0.48	1.37	0.19	1.29	0.19	1.38	0.03	0.39
AKC0697	2.89	1.15	3.39	0.54	3.47	0.75	2.17	0.30	1.99	0.30	2.35	0.05	0.68
AKC0699	3.35	1.30	3.87	0.61	4.03	0.85	2.39	0.34	2.24	0.34	2.59	0.09	0.81
AKC0700	5.19	1.72	5.45	0.86	5.41	1.13	3.23	0.46	2.91	0.46	4.28	0.14	2.07
AKC0701	4.65	1.62	5.24	0.81	5.29	1.09	3.18	0.46	2.86	0.44	3.54	0.12	1.38
AKC0703	2.35	1.11	2.75	0.44	2.86	0.61	1.89	0.26	1.60	0.23	2.31	0.15	0.60
AKC0705	3.80	1.35	3.77	0.59	3.68	0.77	2.19	0.31	2.02	0.30	3.06	0.15	2.16
AKC0706	2.24	1.04	2.64	0.43	2.77	0.58	1.69	0.24	1.56	0.23	1.76	0.08	0.56
AKC0707	2.36	1.08	2.66	0.43	2.85	0.59	1.72	0.24	1.54	0.23	1.78	0.05	0.58
AKC0708	4.42	1.55	5.13	0.82	5.32	1.12	3.20	0.46	2.89	0.44	3.73	0.09	1.07
AKC0709	3.18	1.30	3.83	0.64	4.19	0.86	2.50	0.35	2.24	0.34	2.38	0.07	0.64
AKC0718	3.02	1.26	3.56	0.58	3.79	0.79	2.28	0.33	2.15	0.32	2.20	0.07	0.64
AKC0719	3.94	1.45	4.69	0.76	5.02	1.04	3.00	0.43	2.80	0.42	2.59	0.07	0.79
AKC0720	1.32	0.81	1.53	0.24	1.60	0.34	0.97	0.14	0.90	0.14	0.85	0.03	0.23
AKC0721	1.64	0.81	1.86	0.31	1.99	0.43	1.21	0.18	1.13	0.17	2.09	0.05	0.39
AKC0722	2.42	1.11	2.89	0.46	2.94	0.64	1.98	0.26	1.64	0.24	2.40	0.17	0.50
AKC0803	2.13	1.04	2.45	0.41	2.66	0.57	1.63	0.23	1.51	0.23	1.61	0.06	0.43
AKC0810	2.09	0.97	2.36	0.39	2.58	0.54	1.55	0.22	1.45	0.21	1.62	0.06	0.43
AKC0811	1.49	0.83	1.66	0.29	1.78	0.39	1.12	0.16	1.01	0.15	1.10	0.04	0.29
AKC0812	1.20	0.79	1.32	0.21	1.38	0.29	0.88	0.12	0.79	0.12	0.81	0.04	0.23
AKC0813	2.47	1.08	2.66	0.45	2.87	0.61	1.80	0.26	1.65	0.24	1.84	0.07	0.52
AKC0815	1.78	1.04	2.10	0.34	2.24	0.46	1.44	0.19	1.24	0.19	1.95	0.14	0.40
AKC0824	3.28	1.35	3.18	0.44	2.55	0.48	1.39	0.17	1.06	0.16	3.00	0.39	0.40
AKC0825	7.90	2.61	7.30	0.99	5.51	1.00	2.83	0.35	2.04	0.30	6.83	0.89	0.53
AKC0828	2.66	1.15	3.06	0.52	3.31	0.71	2.10	0.30	1.94	0.28	1.95	0.10	0.51
AKC0832	3.00	1.24	3.51	0.57	3.65	0.77	2.26	0.32	2.03	0.31	2.35	0.09	0.55
AKC0833	2.66	1.08	3.18	0.52	3.34	0.69	2.12	0.28	1.75	0.27	2.80	0.20	0.60
AKC0834	1.84	0.90	2.16	0.36	2.25	0.47	1.47	0.19	1.22	0.19	1.87	0.15	0.46
AKC0836	1.94	1.00	2.24	0.37	2.37	0.50	1.44	0.20	1.30	0.20	1.43	0.05	0.44
AKC0849	2.05	1.04	2.40	0.37	2.41	0.52	1.50	0.22	1.39	0.21	1.55	0.06	0.39
AKC0850	3.10	1.23	3.67	0.60	3.85	0.79	2.47	0.33	2.06	0.31	3.32	0.21	0.78
AKC0851	2.24	0.91	2.56	0.43	2.80	0.60	1.85	0.25	1.55	0.22	3.00	0.25	1.05
AKC0871	5.21	1.81	4.90	0.69	4.01	0.79	2.06	0.28	1.79	0.26	3.35	0.39	0.68
AKC0873	9.50	2.85	8.61	1.24	7.28	1.45	4.31	0.56	3.47	0.50	8.27	1.19	3.63
AKC0874	2.63	1.27	2.59	0.36	2.10	0.42	1.08	0.15	0.90	0.14	1.72	0.14	0.30
AKC0875	3.01	1.42	2.85	0.39	2.29	0.44	1.19	0.15	0.96	0.15	1.87	0.17	0.36
AKC0876	3.15	1.43	3.06	0.43	2.46	0.48	1.28	0.17	1.10	0.17	1.92	0.21	0.43
AKC0876B	2.94	0.79	2.77	0.39	2.32	0.46	1.21	0.17	1.04	0.16	1.76	0.19	0.43
AKC0877B	3.38	1.04	3.27	0.46	2.66	0.52	1.47	0.20	1.20	0.18	2.61	0.19	0.45
AKC1116	2.47	1.16	2.99	0.51	3.37	0.72	2.24	0.29	1.88	0.27	2.59	0.15	0.47
AKC1123	2.90	1.13	3.45	0.54	3.58	0.76	2.23	0.30	2.08	0.31	2.16	0.08	0.54
AKC1127	2.61	1.08	3.17	0.52	3.38	0.71	2.04	0.29	1.86	0.27	1.93	0.07	0.46
AKC1131	3.35	1.28	4.02	0.70	4.52	0.96	2.97	0.39	2.48	0.35	3.58	0.24	0.66
AKC1134	1.56	0.81	1.83	0.31	2.01	0.43	1.33	0.18	1.10	0.16	1.71	0.10	0.32
AKC1136	0.55	0.38	0.62	0.11	0.69	0.15	0.48	0.07	0.43	0.06	0.58	0.03	0.11
AKC1139	1.73	0.82	2.09	0.33	2.14	0.46	1.32	0.19	1.23	0.18	1.15	0.06	0.34
AKC1142	2.86	1.18	3.40	0.55	3.57	0.75	2.17	0.31	1.94	0.30	2.06	0.08	0.55
AKC1148	2.66	1.04	2.74	0.43	2.74	0.58	1.81	0.24	1.50	0.22	3.48	0.21	2.73
AKC1158	1.95	0.90	2.27	0.37	2.42	0.52	1.62	0.22	1.36	0.20	2.31	0.34	0.50
AKC1179	2.17	1.17	2.56	0.42	2.71	0.59	1.84	0.24	1.56	0.23	2.24	0.20	0.45
AKC1191	3.13	1.33	3.48	0.56	3.57	0.77	2.39	0.32	2.03	0.30	3.59	0.26	1.10

Appendix 4 - Drillhole Location

Drillhole	NTSMap	License	UTMEast	UTMNorth	UTMZone	Datum	Elevation m	Length m	Dip degrees	Azimuth degrees
SVB-96-02	13N/12	4483M	564219	6150429	20	NAD27	480	95	-45	250
SVB-96-03	13N/12	4483M	564219	6150429	20	NAD27	480	44	-90	0
SVB-96-04	13M/09	5516M	557708	6149175	20	NAD27	524	104	-45	210
SVB-96-05	13M/09	5670M	566211	6151063	20	NAD27	477	132	-75	265
SVB-96-15	13N/05	2495M	566130	6149220	20	NAD27	480	119	-45	220
SVB-96-17	13N/05	2498M	567686	6148449	20	NAD27	427	63	-50	270
SVB-96-20	13N/05	2406M	565989	6151170	20	NAD27	486	46	-90	0
SVB-96-31	13M/09	2663M	568553	6147416	20	NAD27	414	196	-90	0
SVB-96-36	13N/05	2663M	570097	6144359	20	NAD27	395	149	-80	10
SVB-96-42	13N/12	2406M	563998	6150547	20	NAD27	458	52	-90	0
SVB-96-43	13N/12	2406M	563883	6150966	20	NAD27	463	56	-50	180
SVB-96-44	13N/12	2406M	563883	6150966	20	NAD27	463	56	-90	0
SVB-96-45	13N/05	2663M	569761	6144243	20	NAD27	364	77	-90	0
SVB-96-48	13N/05	2663M	569610	6144174	20	NAD27	370	76	-90	0
SVB-96-49	13M/05	2663M	569610	6144174	20	NAD27	370	76	-60	225
SVB-96-50	13N/12	2406M	563889	6150754	20	NAD27	473	107	-90	0
SVB-96-51	13N/12	2406M	563085	6153197	20	NAD27	382	165	-90	0
SVB-97-56	13M/09	5515M	562683	6153207	20	NAD27	373	235	-90	0
SVB-97-58	13M/09	1081M	562690	6152430	20	NAD27	432	210	-90	0
SVB-97-59	13M/09	1081M	558606	6151246	20	NAD27	579	408	-90	0
SVB-97-61	13M/09	5515M	562115	6153118	20	NAD27	417	134	-90	0
SVB-97-63	13M/09	1081M	558570	6152233	20	NAD27	488	403	-90	0
SVB-97-67	13M/09	5518M	560772	6155550	20	NAD27	335	216	-45	215
SVB-97-69	13N/12	2406M	565497	6151600	20	NAD27	405	107	-45	180
SVB-97-70	13M/09	5518M	560823	6155629	20	NAD27	325	267	-45	215
SVB-97-74	13M/09	5518M	560549	6155712	20	NAD27	327	189	-90	0
SVB-97-75	13M/09	5518M	560425	6155543	20	NAD27	374	247	-90	0
SVB-97-77	13M/09	3342M	557778	6152246	20	NAD27	432	479	-90	0
SVB-97-79	13N/05	2663M	570690	6143804	20	NAD27	327	1000	-90	0
SVB-97-80	13N/12	2406M	563427	6151738	20	NAD27	444	157	-90	0
SVB-97-82	13M/09	3342M	556429	6151424	20	NAD27	421	449	-90	0
SVB-97-83	13M/09	5518M	560193	6155802	20	NAD27	359	239	-90	0
SVB-97-86	13N/05	2663M	570905	6142981	20	NAD27	348	701	-90	0
SVB-97-88	13M/09	5518M	560549	6155712	20	NAD27	327	351	-90	0
SVB-97-89	13N/01	3306M	572660	6140548	20	NAD27	289	1152	-90	0
SVB-97-90	13M/09	2406M	561588	6155827	20	NAD27	313	311	-90	0
SVB-97-91	13N/01	2663M	568219	6143939	20	NAD27	330	1099	-90	0
SVB-97-92	13M/09	2406M	561873	6155590	20	NAD27	290	1097	-90	0
SVB-97-93	13M/09	5518M	560237	6156089	20	NAD27	329	257	-90	0
SVB-97-96	13M/09	5518M	560312	6155381	20	NAD27	366	397	-60	40
SVB-98-098	13M/09	5518M	560397	6155432	20	NAD27	367	262	-90	0
SVB-98-100	13N/05	3306M	572989	6143074	20	NAD27	344	215	-60	90
SVB-98-101	13M/09	5518M	560420	6155478	20	NAD27	370	273	-90	0
SVB-98-102	13M/09	5518M	560328	6155501	20	NAD27	376	275	-90	0
SVB-98-103	13M/09	5518M	560372	6155529	20	NAD27	371	92	-90	0
SVB-98-104	13M/09	5518M	560375	6155404	20	NAD27	360	448	-90	0
SVB-98-106	13M/09	5518M	559773	6155231	20	NAD27	357	295	-90	0
SVB-98-107	13M/09	2406M	561873	6155590	20	NAD27	290	548	-60	215
SVB-98-108	13M/09	5518M	559603	6154071	20	NAD27	385	536	-90	0
SVB-98-109	13M/09	2406M	561873	6155590	20	NAD27	290	559	-60	80
SVB-98-110	13N/05	2663M	569672	6144808	20	NAD27	309	597	-90	0
SVB-98-112	13N/12	2406M	565023	6151441	20	NAD27	400	419	-90	0
SVB-98-113	13M/09	5518M	561295	6155201	20	NAD27	335	213	-90	0
SVB-98-114	13N/05	2663M	568436	6144074	20	NAD27	373	463	-90	0
SVB-98-116	13M/09	5518M	561498	6155301	20	NAD27	314	208	-90	0