

23 April 2020

Significant High-Grade Results Continue from the Abercorn Project

Metalsearch Limited (ASX: MSE, “**Metalsearch**” or “**the Company**”) is pleased to announce the XRF results of the -20um fraction, for the final 34 drill holes at the Abercorn Project.

Highlights

- Drill hole **ABAC 49 - 22m @ 31% Al_2O_3** from 1m to 23m, final depth 48m;
- Drill hole **ABAC 66 - 27m @ 30.5% Al_2O_3** from 1m to 28m, final depth 40m;
- Drill hole **ABAC 67 - 19m @ 30.5% Al_2O_3** from 9m to 28m, final depth 48m;
- A **significant intersection of 43m was encountered** - drill hole ABAC 72 - in two intersections:
 - **6m @ 29.1% Al_2O_3** from 2m to 8m; and
 - **37m @ 28.1% Al_2O_3** from 11m to the end of the hole at 48m;
- The drilling campaign has demonstrated that the Abercorn Project contains **significant scale and a very consistent, high quality grade of mineralisation**;
- The high quality nature of kaolin demonstrated is ideal for producing specific end products from the suite of kaolin centric technology assets the Company has acquired, particularly **Synthetic Zeolite**. The Company’s newly appointed COO will focus on fast track commercialisation of this technology;
- Kaolin marketability testing program to commence, including:
 - Specialised **Halloysite testing**;
 - **ISO brightness** and particle fineness testing; and
 - End user product requirements.

Air Core Drilling Program (Figure 2)

The Company completed a 62-hole air core drilling program for 2,358 metres on the Abercorn Project with depths ranging from 23 to 51 metres, for an average depth of 38 metres (Figure 2). At Abercorn 57 holes, ABAC 30 to 86, were drilled. Five holes, ABAC 25 to 29 were drilled at a Satellite Target some 2 kilometres southwest of the main Abercorn Project.

The total number of holes drilled within the Project is now 86 for a total of 3,172m. The Company is confident in producing a strong maiden JORC resource as it continues to receive very consistent, high grade intersections of good quality kaolin.

Discussion of Drill Results

Abercorn Project (Figure 1, Table 2)

Kaolinite along with zones of illite and smectite bearing clays were intersected in all drill holes. At the Abercorn Project ore grade zones of kaolinite-quartz were intersected in 51 of the 57 holes drilled. **The highest grade intersection was 23m @ 32.1 % Al_2O_3 in hole ABAC 64. The thickest intersection was 37m @ 28.6% Al_2O_3 within hole ABAC 80.**

Many of the +30% Al_2O_3 intersections are in a central section of the Abercorn Project. This section 550m by 400m in size is characterized by **12 holes with + 30% alumina**, ABAC 44, 46-49, 63-69 and 81. These holes have a weighted average of 16m @30.8% Al_2O_3 with 39.76 % -20u and 7.68% very fine silty quartz.

The -20 um screened fractions commonly contain 5 to 20% fine quartz silt. If this silt fraction quartz can be commercially removed, the grade of the final product will be well in excess of 30% Al_2O_3 . Similarly, the grade of the deeper clays will also be improved by removal of this silt fraction quartz.

The results indicate that the better quality surficial kaolinite zone is located in the central to western sections of the Abercorn Project and this resource is open to the west of the current drilling (Figure 1).

Satellite Target (Figure 3, Table 3)

Five holes, ABAC 25 to 29, were drilled at a satellite target approximately 2km southwest of the main Abercorn Project. Drill hole ABAC 25 was drilled in the vicinity of a 2007 exploratory hole CK 03. These holes were drilled on 3 sections with a nominal spacing of 100 metres. The kaolin ore grade intersections are presented on Table 3 and the full geochemistry in the Appendix. **The weighted average of depth and grade of the -20um fraction for these holes is 15m @ 30.51% Al_2O_3 .** This high quality kaolinite zone is open in all directions. The excellent results from these holes have confirmed this area will make a significant contribution to the resource extension.

Conclusions

Many of the drill holes analysed to date have surficial zones of up to **27m thickness** grading in **excess of 30% Al_2O_3** . Most holes have zones that average in excess of 27% Al_2O_3 . The weighted average of all holes reported to date is currently 29.7% Al_2O_3 . Together with the historical drilling of 2007 the Company is confident of delivering a strong maiden Mineral Resource (JORC 2012).

Drilling intersections have delivered a very consistent grade over thick intervals. The Company continues to receive very consistent, high grade intersections of good quality kaolin giving the Company confidence in **delivering a strong maiden JORC Mineral Resource.**

The Company looks forward to reporting a maiden JORC Mineral Resource within the near future with the evaluation currently in progress.



Figure 1: Metalsearch Abercorn Project – Abercorn Project – Drilling 2019

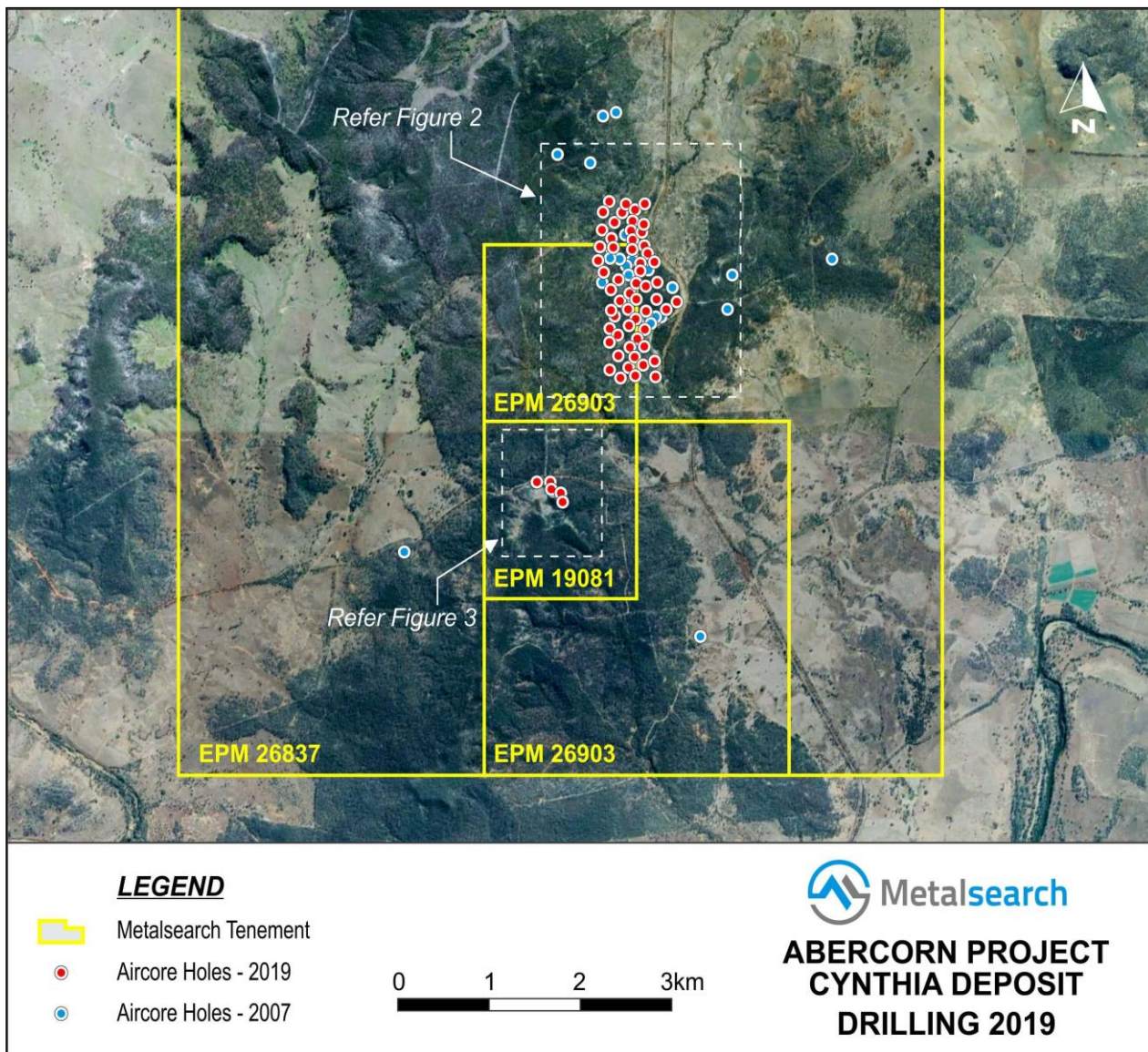


Figure 2: Metalsearch Abercorn Project - Drilling 2019



Figure3: Metalsearch Abercorn Project – Southwest Satellite Target – Drilling 2019

Next Steps

- Deliver maiden JORC Mineral Resource
- Conduct Kaolin marketability testing program, including:
 - Specialised Halloysite testing;
 - ISO brightness and particle fineness testing; and
 - End user product requirement.
- Fast track commercialisation of Synthetic Zeolite processing technology

About the Abercorn Project

The Abercorn Project is a large-scale kaolin prospect, located in central Queensland.

Abercorn's kaolin mineralisation has the potential for the extraction of marketable volumes of higher-grade Al_2O_3 feedstock. The Abercorn project was originally drilled with 24 holes in 2007. This drilling has now been extended, with the recent drilling of an extra 62 holes, comprising 2,358m. The total number of holes drilled into the project is now 86 for a total of 3,172m.

- 86 RC holes drilled - Kaolinite intersected in every hole
- Large scale mineralised system from surface
- Resource remains open in all directions
- High Grade Al_2O_3 assay results include 33.71% Al_2O_3 ¹
- Low cost operation - straight forward open cut mining
- Little to no overburden
- Low impurities
- Main sealed highway adjacent to the deposit
- Mains power on site / major power transmission line within 5km of site
- Large water supply nearby and within EPM
- Close to two deep water ports

The Abercorn Project is situated approximately 135km south of the deep-water port of Gladstone and 125km west of the deep-water port of Bundaberg in central Queensland. Both of these major ports are connected to the Abercorn Project by sealed roads. The Burnett highway bisects the tenements.

Table 1: Abercorn Project - Recent Drilling Results

Hole	DEPTH From m	DEPTH To m	Intersection m	Average Al2O3(%)	Average	Average	Average	Calc	Average Yield 20um-
					Fe2O3(%)	K2O(%)	TiO2(%)	Average Quartz %	
41	2	5	3	29.5%	1.01%	1.14%	0.90%	7.9%	36.1%
43	1	12	11	29.6%	1.53%	1.28%	0.98%	5.0%	45.3%
44	0	3	3	30.2%	1.94%	0.71%	1.00%	7.3%	45.2%
	19	26	7	29.3%	0.77%	1.08%	0.93%	10.6%	34.3%
45	26	30	4	27.8%	0.88%	1.36%	0.93%	12.1%	35.0%
49	1	23	22	31.0%	0.67%	0.75%	1.12%	8.3%	38.9%
50	1	18	17	29.4%	0.70%	0.79%	0.97%	10.1%	33.7%
51	1	5	4	28.5%	0.92%	0.84%	1.14%	10.3%	37.4%
	26	43	17	27.5%	0.84%	1.01%	0.90%	12.2%	27.4%
52	12	26	14	27.7%	0.82%	0.99%	0.94%	11.6%	26.2%
54	3	28	25	28.5%	1.05%	1.01%	0.98%	11.2%	25.6%
55	0	15	15	28.7%	1.02%	1.11%	1.09%	10.5%	33.3%
58	1	5	4	27.5%	2.05%	1.50%	0.80%	10.1%	29.2%
60	1	13	12	28.0%	1.63%	1.72%	1.03%	9.6%	33.2%
61	0	3	3	29.7%	2.83%	0.66%	1.12%	4.5%	64.4%
	14	21	7	27.8%	1.00%	1.97%	0.97%	11.2%	34.2%
66	1	28	27	30.5%	0.98%	0.67%	1.20%	7.1%	40.9%
67	9	28	19	30.4%	1.05%	0.67%	1.12%	7.0%	44.7%
68	10	23	13	30.0%	0.97%	0.66%	1.39%	6.6%	44.3%
69	5	6	1	30.1%	3.30%	0.19%	1.29%	5.4%	21.1%
71	6	17	11	28.8%	1.12%	1.02%	1.06%	9.5%	40.9%
72	2	8	6	29.1%	6.20%	0.70%	1.32%	3.0%	79.7%
	11	48	37	28.1%	0.95%	1.08%	1.17%	10.3%	44.7%
73	9	11	2	29.0%	0.91%	0.84%	1.23%	10.6%	46.0%
74	0	3	3	27.8%	1.31%	0.19%	1.42%	9.9%	49.5%
	7	13	6	28.3%	0.93%	1.42%	0.82%	7.8%	37.2%
75	0	8	8	30.3%	0.93%	0.83%	0.94%	8.4%	38.5%
	11	19	8	29.4%	1.08%	1.23%	0.92%	9.9%	36.5%
76			0						
77	5	7	2	29.0%	1.26%	1.13%	0.85%	7.0%	46.1%
78	2	7	5	28.8%	1.38%	0.93%	1.04%	9.4%	40.7%
	14	18	4	28.9%	1.55%	0.99%	0.81%	9.4%	27.3%
79	0	5	5	29.5%	0.82%	0.88%	0.91%	9.6%	37.8%
	16	20	4	28.8%	0.84%	1.00%	0.82%	11.0%	28.8%
80	4	41	37	28.6%	1.00%	1.20%	1.04%	10.0%	39.4%
81	3	16	13	30.2%	0.84%	1.05%	1.00%	8.6%	36.5%
	31	36	5	28.1%	0.64%	1.07%	1.03%	10.9%	44.0%
82	3	8	5	28.8%	1.03%	1.05%	0.93%	9.0%	35.1%

Table 2: Abercorn Project – All High Grade Kaolin Intersections

Hole	DEPTH From m	DEPTH To m	Intersection m	Average Al ₂ O ₃ (%)				Calc	Average Yield 20um-
					Average	Average	Average	Average	
					Fe ₂ O ₃ (%)	K ₂ O(%)	TiO ₂ (%)	Quartz %	
30	3	22	19	29.6%	1.53%	1.25%	0.99%	7.5%	27.6%
31									
32	3	16	13	29.3%	1.87%	1.34%	0.96%	6.2%	32.7%
33	8	11	3	27.4%	0.90%	0.50%	1.10%	8.4%	46.7%
	13	19	6	28.1%	1.36%	1.16%	0.90%	8.2%	38.9%
34	7	9	2	28.6%	1.01%	0.72%	0.95%	10.7%	31.2%
	13	24	11	29.3%	1.35%	1.47%	0.90%	8.9%	36.0%
35	6	20	14	29.9%	1.22%	1.16%	1.00%	8.7%	35.2%
36	1	3	2	31.4%	1.79%	0.73%	0.93%	6.1%	27.4%
37	14	22	8	28.1%	0.97%	1.46%	0.95%	11.1%	44.6%
38	18	30	13	27.7%	0.89%	1.34%	0.95%	11.1%	29.9%
39	19	25	6	27.3%	0.97%	1.31%	0.93%	12.7%	32.3%
40	2	5	3	29.5%	1.22%	1.05%	0.95%	8.1%	38.4%
	23	30	7	28.3%	0.93%	1.24%	0.95%	11.3%	32.2%
41	2	5	3	29.5%	1.01%	1.14%	0.90%	7.9%	36.1%
42	0	14	14	28.6%	0.97%	1.47%	1.05%	4.8%	44.4%
43	1	12	11	29.6%	1.53%	1.28%	0.98%	5.0%	45.3%
44	0	3	3	30.2%	1.94%	0.71%	1.00%	7.3%	45.2%
	19	26	7	29.3%	0.77%	1.08%	0.93%	10.6%	34.3%
45	27	30	4	27.8%	0.88%	1.36%	0.93%	12.1%	35.0%
46	5	14	9	30.7%	1.06%	1.15%	0.99%	8.1%	42.3%
	29	45	16	28.2%	0.99%	1.53%	1.01%	10.6%	41.1%
47	1	15	14	30.8%	0.76%	0.79%	0.96%	7.0%	38.2%
	37	45	9	27.4%	0.80%	1.12%	0.95%	12.1%	30.0%
48	0	23	23	28.7%	0.60%	0.73%	0.96%	9.6%	40.4%
49	1	23	22	31.0%	0.67%	0.75%	1.12%	8.3%	38.9%
50	1	18	17	29.4%	0.70%	0.79%	0.97%	10.1%	33.7%
51	1	5	4	28.5%	0.92%	0.84%	1.14%	10.3%	37.4%
	26	43	17	27.5%	0.84%	1.01%	0.90%	12.2%	27.4%
52	12	26	14	27.7%	0.82%	0.99%	0.94%	11.6%	26.2%
53	0	20	20	30.0%	0.86%	0.93%	1.14%	9.8%	35.4%
54	3	28	25	28.5%	1.05%	1.01%	0.98%	11.2%	25.6%
55	0	15	15	28.7%	1.02%	1.11%	1.09%	10.5%	33.3%
56	0	17	17	30.0%	0.86%	0.97%	1.08%	8.2%	35.6%
57			0						
58	1	5	4	27.5%	2.05%	1.50%	0.80%	10.1%	29.2%
59			0						

Hole	DEPTH	DEPTH						Calc	Average
	From	To	Intersection	Average	Average	Average	Average	Average	Yield
	m	m	m	Al2O3(%)	Fe2O3(%)	K2O(%)	TiO2(%)	Quartz %	20um-
60	1	13	12	28.0%	1.63%	1.72%	1.03%	9.6%	33.2%
61	0	3	3	29.7%	2.83%	0.66%	1.12%	4.5%	64.4%
	14	21	7	27.8%	1.00%	1.97%	0.97%	11.2%	34.2%
62			0						
63	0	27	27	31.2%	0.54%	0.88%	0.99%	8.0%	35.1%
64	0	23	23	32.1%	0.50%	0.88%	0.90%	7.41%	36.0%
65	0	22	22	30.3%	0.84%	0.95%	0.96%	8.8%	43.9%
66	1	28	27	30.5%	0.98%	0.67%	1.20%	7.1%	40.9%
67	9	28	19	30.4%	1.05%	0.67%	1.12%	7.0%	44.7%
68	10	23	13	30.0%	0.97%	0.66%	1.39%	6.6%	44.3%
69	5	6	1	30.1%	3.30%	0.19%	1.29%	5.4%	21.1%
70			0						
71	6	17	11	28.8%	1.12%	1.02%	1.06%	9.5%	40.9%
72	2	8	6	29.1%	6.20%	0.70%	1.32%	3.0%	79.7%
	11	48	37	28.1%	0.95%	1.08%	1.17%	10.3%	44.7%
73	9	11	2	29.0%	0.91%	0.84%	1.23%	10.6%	46.0%
74	0	3	3	27.8%	1.31%	0.19%	1.42%	9.9%	49.5%
	7	13	6	28.3%	0.93%	1.42%	0.82%	7.8%	37.2%
75	0	8	8	30.3%	0.93%	0.83%	0.94%	8.4%	38.5%
	11	19	8	29.4%	1.08%	1.23%	0.92%	9.9%	36.5%
76			0						
77	5	7	2	29.0%	1.26%	1.13%	0.85%	7.0%	46.1%
78	2	7	5	28.8%	1.38%	0.93%	1.04%	9.4%	40.7%
	14	18	4	28.9%	1.55%	0.99%	0.81%	9.4%	27.3%
79	0	5	5	29.5%	0.82%	0.88%	0.91%	9.6%	37.8%
	16	20	4	28.8%	0.84%	1.00%	0.82%	11.0%	28.8%
80	4	41	37	28.6%	1.00%	1.20%	1.04%	10.0%	39.4%
81	3	16	13	30.2%	0.84%	1.05%	1.00%	8.6%	36.5%
	31	36	5	28.1%	0.64%	1.07%	1.03%	10.9%	44.0%
82	3	8	5	28.8%	1.03%	1.05%	0.93%	9.0%	35.1%
83	2	9	7	29.3%	1.88%	1.08%	0.95%	11.2%	33.1%
84	1	5	4	29.0%	1.90%	0.80%	1.06%	8.2%	41.0%
85	0	6	6	29.1%	0.88%	1.07%	0.97%	8.9%	44.1%
86	0	3	3	28.3%	1.86%	1.00%	0.95%	4.7%	28.3%

Table 3: Summary Drill Results of Southwest Satellite Target.

Hole	DEPTH From m	DEPTH To m	Intersection m	Average Al ₂ O ₃ (%)	Average	Average	Average	Calc Average	Average Yield 20um-
					Fe ₂ O ₃ (%)	K ₂ O(%)	TiO ₂ (%)	Quartz %	
25	0	21	21	30.1%	0.74%	0.73%	0.98%	8.8%	31.4%
26	1	6	5	30.3%	1.19%	1.13%	0.91%	8.3%	29.6%
27	0	14	14	30.1%	0.64%	0.94%	1.00%	8.5%	30.1%
28	0	16	16	31%	0.62%	0.97%	0.97%	7.3%	30.4%
29	0	17	17	31%	0.62%	0.84%	1.04%	6.9%	28.3%

This announcement has been authorised and approved in accordance with the Company's published continuous disclosure policy and has been approved by the Board.

- End -

For further information please contact:

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¹See Metalsearch Limited ASX Announcement 13 August 2019. The Company is not aware of any new information or data that materially affects the information included in the referenced ASX announcement and confirms that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

Competent Person Statement

Statements contained in this announcement relating to historical exploration results, and current exploration results are based on, and fairly represents, information and supporting documentation prepared by Mr Graham Rolfe BSc, MSc, FAIG, RPGeo, who is a member of the Australian Institute of Geoscientists (AIG), Member No 5850. Mr Rolfe is a part-time consultant to the Company and has sufficient relevant experience in relation to the mineralisation styles being reported on to qualify as a Competent Person as defined in the *Australian Code for Reporting of Identified Mineral Resources and Ore Reserves (JORC) Code 2012*. Mr Rolfe consents to the use of this information in this announcement in the form and context in which it appears.

Appendix: Geochemistry XRF – MS – ALS

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
25	0	1	ABAC 25 001	31.2	32.1	0.02	0.07	0.009	0.56	0.48	12.04	0.14	<0.01	0.06	0.10	52.1	6.1	0.089	0.029	1.04	0.018	0.003	0.03
25	1	2	ABAC 25 002	27.4	29.8	0.02	0.04	0.008	0.59	0.52	11.20	0.11	<0.01	0.06	0.072	55.6	9.6	0.068	0.020	1.06	0.024	0.004	0.04
25	2	3	ABAC 25 003	32.2	31.5	0.01	0.02	0.008	0.56	0.66	11.25	0.11	<0.01	0.05	0.087	53.9	7.9	0.068	0.026	1.03	0.023	0.002	0.04
25	3	4	ABAC 25 004	32.3	31.8	0.02	0.02	0.010	0.52	0.69	11.31	0.13	<0.01	0.04	0.089	53.4	7.4	0.072	0.027	0.99	0.020	0.003	0.03
25	4	5	ABAC 25 005	25.9	31.1	0.02	0.03	0.009	0.64	0.62	11.17	0.11	<0.01	0.05	0.13	54.1	8.1	0.095	0.039	1.16	0.019	<0.002	0.04
25	5	6	ABAC 25 006	22.7	31.8	<0.01	0.02	0.008	0.61	0.66	11.18	0.11	<0.01	0.03	0.071	53.8	7.8	0.041	0.018	1.00	0.020	<0.002	0.03
25	6	7	ABAC 25 007	33.2	30.8	0.02	0.02	0.008	0.53	0.68	11.52	0.11	<0.01	0.05	0.15	51.0	5.0	0.080	0.045	0.95	0.020	0.023	0.03
25	7	8	ABAC 25 008	33.8	31.7	0.01	0.02	0.007	0.53	0.70	11.36	0.11	<0.01	0.04	0.065	53.0	7.0	0.037	0.014	0.98	0.024	0.008	0.04
25	8	9	ABAC 25 009	29	32.6	0.02	0.02	0.008	0.62	0.68	11.61	0.11	<0.01	0.04	0.12	52.0	6.0	0.049	0.029	1.00	0.023	0.006	0.04
25	9	10	ABAC 25 010	21.3	31.1	0.02	0.02	0.006	0.63	0.54	11.28	0.08	<0.01	0.04	0.086	54.7	8.7	0.046	0.019	0.92	0.021	0.006	0.04
25	10	11	ABAC 25 011	36.8	32.0	0.02	<0.01	0.006	0.52	0.69	11.33	0.12	<0.01	0.04	0.11	53.0	7.0	0.044	0.026	0.89	0.019	<0.002	0.04
25	11	12	ABAC 25 012	28.5	29.9	0.02	0.02	0.007	0.68	0.68	10.49	0.12	<0.01	0.04	0.087	56.2	10.2	0.040	0.021	1.03	0.018	0.004	0.04
25	12	13	ABAC 25 013	59.3	29.5	0.02	0.03	0.011	0.69	0.87	10.31	0.17	<0.01	0.06	0.087	56.2	10.2	0.051	0.018	1.07	0.023	0.011	0.04
25	13	14	ABAC 25 014	30.8	27.8	<0.01	0.03	0.010	0.75	0.67	9.75	0.13	<0.01	0.05	0.13	59.4	13.4	0.041	0.014	0.89	0.022	0.014	0.04
25	14	15	ABAC 25 015	20.1	29.9	0.02	0.02	0.008	0.95	0.59	10.46	0.11	<0.01	0.05	0.058	56.0	10.0	0.038	0.009	0.82	0.022	0.012	0.03
25	15	16	ABAC 25 016	19.4	30.4	<0.01	0.02	0.010	0.96	0.65	10.63	0.12	<0.01	0.04	0.045	55.7	9.7	0.032	0.008	0.80	0.021	0.012	0.03
25	16	17	ABAC 25 017	30.8	29.6	0.02	0.02	0.007	0.72	1.09	10.24	0.20	<0.01	0.04	0.056	55.1	9.1	0.026	0.008	1.02	0.024	0.003	0.04
25	17	18	ABAC 25 018	38.8	29.4	0.02	0.02	0.009	0.68	1.21	9.94	0.24	<0.01	0.05	0.043	56.7	10.7	0.025	0.005	1.04	0.023	<0.002	0.04
25	18	19	ABAC 25 019	42.9	27.4	0.01	0.02	0.010	1.08	0.98	9.49	0.18	<0.01	0.06	0.051	58.8	12.8	0.036	0.008	1.01	0.024	0.032	0.04
25	19	20	ABAC 25 020	33.3	25.7	0.01	0.03	0.016	1.34	0.93	9.08	0.17	0.01	0.07	0.047	60.7	14.7	0.039	0.006	0.93	0.021	0.031	0.04
25	19	20	Dup 25 020.1	31	26.1	0.02	0.02	0.015	1.37	0.94	9.21	0.18	0.01	0.05	0.046	60.3	14.3	0.033	0.007	0.93	0.023	0.030	0.04
25	20	21	ABAC 25 021	29.5	25.4	0.02	0.04	0.015	1.37	0.81	9.32	0.16	0.01	0.08	0.051	60.7	14.7	0.048	0.008	0.89	0.026	0.039	0.04
25	21	22	ABAC 25 022	55	23.4	0.02	0.03	0.016	2.66	1.23	8.16	0.27	<0.01	0.07	0.053	61.9	15.9	0.015	0.003	1.08	0.030	0.009	0.06
25	22	23	ABAC 25 023	44.1	22.7	0.02	0.04	0.012	2.75	1.22	8.00	0.27	<0.01	0.09	0.046	62.8	16.8	0.024	0.004	0.99	0.020	0.010	0.06
25	23	24	ABAC 25 024	57.8	23.3	0.02	0.04	0.009	2.48	1.38	8.10	0.31	<0.01	0.08	0.054	62.0	16.0	0.022	0.002	0.92	0.022	0.004	0.06
25	24	25	ABAC 25 025	69.3	21.8	0.04	0.60	0.010	3.06	2.19	6.76	0.65	0.02	0.57	0.083	61.9	15.9	0.022	0.017	0.93	0.024	0.009	0.05
25			Std 25014.9		23.0	<0.01	0.66	0.016	2.44	0.60	0.69	0.78	0.19	0.93	0.040	63.4		0.049	0.002	0.053	0.005	0.007	0.003
26	0	1	ABAC 26 001	29.9%	26.1	0.03	0.11	0.012	1.47	1.40	9.94	0.36	0.005	0.05	0.150	58.2	12.2	0.08	0.011	0.95	0.018	0.110	0.037
26	1	2	ABAC 26 002	20.4%	31.6	0.02	0.04	0.017	1.14	0.83	11.44	0.18	0.003	0.03	0.066	52.9	6.9	0.05	0.012	0.94	0.034	0.043	0.038
26	2	3	ABAC 26 003	32.5%	29.9	0.02	<0.01	0.009	0.75	1.17	10.40	0.23	<0.002	0.08	0.090	55.3	9.3	0.05	0.009	0.92	0.018	0.003	0.029
26	3	4	ABAC 26 004	35.9%	30.1	0.02	<0.01	0.010	0.93	1.22	10.20	0.25	<0.002	0.11	0.100	55.1	9.1	0.022	0.007	0.95	0.021	0.002	0.025

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
26			Std 26004.9		23.1	<0.01	0.65	0.016	2.47	0.60	0.73	0.80	0.19	0.95	0.044	63.7		0.05	0.002	0.06	0.006	0.007	0.003
26	4	5	ABAC 26 005	27.2%	30.1	0.02	0.02	0.011	1.69	1.12	10.38	0.24	0.003	0.04	0.078	55.5	9.5	0.01	0.005	0.76	0.024	0.002	0.021
26	5	6	ABAC 26 006	31.9%	29.6	0.02	0.02	0.010	1.46	1.33	10.12	0.28	0.002	0.03	0.05	55.4	9.4	0.01	0.005	0.99	0.025	0.004	0.031
26	6	7	ABAC 26 007	43.0%	25.9	0.02	0.03	0.013	1.43	1.39	8.82	0.30	0.003	0.03	0.043	60.1	14.1	0.02	0.005	1.07	0.023	0.011	0.052
26	7	8	ABAC 26 008	49.9%	24.7	0.02	0.05	0.010	1.24	1.42	8.34	0.33	0.003	0.04	0.060	61.8	15.8	0.02	0.007	1.04	0.016	0.004	0.042
26	8	9	ABAC 26 009	44.5%	25.2	0.03	0.01	0.006	2.56	1.48	8.54	0.33	0.004	0.20	0.140	60.2	14.2	0.02	0.006	0.92	0.015	0.002	0.051
26	9	10	ABAC 26 010	68.4%	24.3	0.03	0.04	0.012	3.97	1.90	8.18	0.46	0.005	0.26	0.180	58.9	12.9	0.05	0.006	1.01	0.017	0.011	0.044
26	10	11	ABAC 26 011	65.2%	22.0	0.05	0.06	0.010	2.57	2.05	7.17	0.47	0.005	0.12	0.088	63.5	17.5	0.03	0.005	0.97	0.012	0.006	0.041
26	11	12	ABAC 26 012	63.4%	21.1	0.06	0.05	0.010	2.88	2.36	6.75	0.54	0.006	0.21	0.120	64.0	18.0	0.02	0.006	0.96	0.014	0.009	0.040
26	12	13	ABAC 26 013	49.9%	20.0	0.06	0.05	0.006	2.58	2.57	6.32	0.46	0.007	0.20	0.110	65.5	19.5	0.02	0.005	1.04	0.010	0.014	0.043
26	13	14	ABAC 26 014	36.1%	21.2	0.07	0.10	0.009	4.63	3.11	6.93	0.64	0.012	0.41	0.210	60.6	14.6	0.02	0.007	1.02	0.016	0.016	0.048
26	14	15	ABAC 26 015	27.6%	23.9	0.09	0.03	0.007	3.10	3.31	7.15	0.58	0.008	0.47	0.130	59.2	13.2	0.01	0.006	1.20	0.013	0.014	0.035
26	15	16	ABAC 26 016	31.9%	23.2	0.07	0.13	0.010	4.27	3.08	7.12	0.73	0.013	0.64	0.230	57.5	11.5	0.02	0.009	1.25	0.018	0.019	0.046
26	16	17	ABAC 26 017	27.9%	24.0	0.07	0.07	0.008	3.72	3.03	7.06	0.66	0.008	0.94	0.240	57.2	11.2	0.01	0.007	1.19	0.017	0.019	0.033
26	17	18	ABAC 26 018	23.7%	23.3	0.07	0.08	0.009	4.52	3.14	6.87	0.71	0.009	1.01	0.210	57.3	11.3	0.02	0.007	1.21	0.018	0.021	0.035
26	18	19	ABAC 26 019	26.5%	23.5	0.09	0.08	0.006	3.56	3.22	6.96	0.59	0.01	0.87	0.094	59.4	13.4	0.02	0.007	1.03	0.013	0.049	0.030
26	19	20	ABAC 26 020	33.5%	20.5	0.07	0.22	0.006	5.15	2.96	6.75	0.78	0.015	2.03	1.580	57.0	11.0	0.22	0.008	0.93	0.016	0.061	0.036
26	20	21	ABAC 26 021	43.9%	17.7	0.09	0.24	0.006	3.69	3.00	5.30	0.75	0.022	2.25	1.400	62.8	16.8	0.16	0.010	0.87	0.014	0.036	0.034
26	21	22	ABAC 26 022	38.8%	21.8	0.06	0.22	0.008	5.96	2.76	7.16	0.86	0.012	1.51	1.110	55.4	9.4	0.13	0.008	0.95	0.015	0.040	0.036
26	22	23	ABAC 26 023	60.4%	21.1	0.06	0.16	0.009	2.42	3.00	7.67	0.75	0.007	0.53	0.150	61.7	15.7	0.07	0.009	1.01	0.015	0.066	0.038
26	23	24	ABAC 26 024	59.2%	20.5	0.04	0.20	0.009	2.95	2.84	7.69	1.03	0.008	1.23	0.920	59.6	13.6	0.15	0.010	0.94	0.014	0.038	0.034
26	24	25	ABAC 26 025	57.0%	21.0	0.06	0.21	0.008	4.75	2.92	6.97	1.02	0.01	1.39	1.040	57.6	11.6	0.11	0.010	0.92	0.017	0.025	0.035
26	24	25	Dup 26025.1	45.4%	17.4	0.08	0.23	0.007	3.55	2.99	5.22	0.72	0.022	1.94	1.130	64.1	18.1	0.14	0.010	0.86	0.013	0.035	0.037
26	25	26	ABAC 26 026	34.1%	16.2	0.10	0.13	0.008	2.62	3.16	4.01	0.46	0.013	1.33	0.073	69.6	23.6	0.09	0.009	1.03	0.009	0.015	0.046
26	26	27	ABAC 26 027	29.9%	18.5	0.06	0.25	0.007	3.64	2.74	5.55	0.74	0.015	2.68	1.930	60.5	14.5	0.11	0.009	0.96	0.013	0.027	0.029
26	27	28	ABAC 26 028	36.0%	18.8	0.06	0.21	0.008	2.84	2.73	5.46	0.49	0.01	1.52	0.230	65.4	19.4	0.02	0.010	0.84	0.012	0.120	0.029
26	28	29	ABAC 26 029	25.1%	24.0	0.07	0.30	0.009	3.04	2.62	7.66	0.68	0.011	1.18	0.300	57.5	11.5	0.02	0.012	0.99	0.019	0.037	0.031
26	29	30	ABAC 26 030	20.4%	21.9	0.08	0.28	0.008	3.01	3.03	6.15	0.70	0.01	1.34	0.380	60.2	14.2	0.02	0.011	1.04	0.016	0.040	0.032
26	30	31	ABAC 26 031	22.5%	23.4	0.07	0.14	0.008	2.76	2.74	6.68	0.57	0.008	1.47	0.260	58.7	12.7	0.01	0.011	1.09	0.016	0.017	0.031
26	31	32	ABAC 26 032	21.4%	22.7	0.06	0.15	0.008	2.98	2.44	6.75	0.47	0.007	1.73	0.230	59.5	13.5	0.01	0.011	1.60	0.017	0.017	0.025
26	32	33	ABAC 26 033	23.5%	21.8	0.06	0.22	0.007	3.26	2.56	6.48	0.81	0.007	2.92	2.420	56.4	10.4	0.11	0.010	0.83	0.018	0.020	0.027
26	33	34	ABAC 26 034	42.1%	20.8	0.06	0.14	0.009	3.43	3.21	5.79	0.76	0.009	0.82	0.110	62.1	16.1	0.01	0.009	1.13	0.016	0.015	0.047
26	34	35	ABAC 26 035	37.0%	21.6	0.07	0.21	0.010	3.01	3.00	7.80	0.97	0.008	2.11	1.780	56.1	10.1	0.19	0.011	0.97	0.018	0.058	0.038

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
26	35	36	ABAC 26 036	34.1%	21.8	0.06	0.14	0.008	3.16	3.10	6.09	0.60	0.008	0.92	0.093	62.1	16.1	0.01	0.009	1.08	0.013	0.011	0.041
26	36	37	ABAC 26 037	30.5%	21.4	0.05	0.25	0.009	4.53	2.68	6.79	0.89	0.01	2.18	1.830	56.4	10.4	0.13	0.010	0.91	0.017	0.017	0.033
27	0	1	ABAC 27 001	30.4%	32.2	0.01	0.02	0.007	0.62	0.70	11.68	0.14	<0.002	0.16	0.130	51.9	5.9	0.05	0.011	1.02	0.015	0.005	0.02
27			Std 27001.9		23.0	<0.01	0.66	0.015	2.43	0.60	0.57	0.77	0.19	0.94	0.041	63.3		0.05	0.001		0.003	0.007	0.00
27	1	2	ABAC 27 002	25.8%	31.7	0.01	0.01	0.006	0.50	0.81	10.88	0.14	<0.002	0.07	0.085	53.3	7.3	0.03	0.007	1.05	0.018	0.001	0.02
27	2	3	ABAC 27 003	22.1%	32.4	0.01	<0.01	0.008	0.52	0.74	11.23	0.12	<0.002	0.09	0.100	52.9	6.9	0.035	0.010	1.02	0.018	<0.001	0.02
27	3	4	ABAC 27 004	44.5%	31.4	0.01	0.01	0.009	0.58	0.71	10.96	0.13	0.002	0.08	0.110	53.8	7.8	0.03	0.011	1.05	0.021	0.009	0.04
27	4	5	ABAC 27 005	26.7%	31.6	0.01	0.01	0.008	0.61	0.91	10.81	0.16	0.002	0.07	0.096	53.7	7.7	0.04	0.012	1.11	0.019	0.005	0.03
27	5	6	ABAC 27 006	42.4%	29.6	<0.01	<0.01	0.010	0.58	1.00	10.03	0.19	0.003	0.09	0.09	56.3	10.3	0.02	0.008	1.13	0.020	0.004	0.05
27	6	7	ABAC 27 007	53.3%	28.4	0.02	<0.01	0.010	0.60	1.07	9.72	0.22	0.003	0.09	0.090	57.5	11.5	0.02	0.009	1.09	0.019	0.007	0.04
27	7	8	ABAC 27 008	63.9%	25.4	0.01	0.01	0.011	0.59	1.02	9.14	0.19	<0.002	0.09	0.100	56.8	10.8	0.02	0.009	1.03	0.020	0.005	0.04
27	8	9	ABAC 27 009	20.5%	27.5	0.02	<0.01	0.010	0.59	0.73	9.47	0.14	<0.002	0.07	0.088	59.0	13.0	0.03	0.008	0.88	0.017	0.003	0.03
27	9	10	ABAC 27 010	20.7%	31.7	0.01	0.01	0.010	0.56	0.78	10.97	0.14	0.002	0.07	0.083	53.8	7.8	0.02	0.006	1.11	0.021	0.003	0.03
27	10	11	ABAC 27 011	28.3%	29.7	0.01	0.01	0.007	0.73	1.04	10.27	0.19	0.002	0.07	0.076	54.8	8.8	0.02	0.005	0.94	0.023	0.002	0.03
27	11	12	ABAC 27 012	37.4%	29.3	0.01	0.01	0.006	0.76	1.21	9.81	0.23	0.002	0.07	0.065	56.9	10.9	0.01	0.004	0.82	0.022	0.001	0.02
27	12	13	ABAC 27 013	36.4%	29.9	<0.01	<0.01	0.007	0.81	1.23	10.16	0.24	<0.002	0.09	0.076	55.5	9.5	0.02	0.005	0.86	0.021	0.002	0.03
27	13	14	ABAC 27 014	31.9%	30.5	0.01	0.01	0.007	0.94	1.21	10.36	0.23	0.003	0.10	0.089	54.9	8.9	0.01	0.004	0.86	0.025	0.002	0.02
27	14	15	ABAC 27 015	39.2%	26.5	0.03	<0.01	0.009	1.82	1.43	8.83	0.30	0.003	0.13	0.092	58.8	12.8	0.02	0.005	0.99	0.022	0.002	0.03
27	15	16	ABAC 27 016	48.1%	24.9	0.02	0.02	0.008	1.30	1.44	8.35	0.30	0.003	0.17	0.120	61.6	15.6	0.02	0.005	1.02	0.016	0.004	0.05
27	16	17	ABAC 27 017	50.7%	24.8	0.03	0.04	0.008	2.17	1.61	8.33	0.34	0.005	0.20	0.160	59.6	13.6	0.02	0.006	0.99	0.018	0.041	0.06
27	17	18	ABAC 27 018	73.5%	22.6	0.03	0.15	0.014	3.01	2.03	7.51	0.50	0.005	0.16	0.270	60.9	14.9	0.02	0.007	1.04	0.019	0.021	0.04
27	18	19	ABAC 27 019	59.6%	24.6	0.04	0.12	0.009	2.54	2.38	7.63	0.59	0.006	0.24	0.210	58.6	12.6	0.02	0.007	1.00	0.017	0.014	0.05
27	19	20	ABAC 27 020	25.8%	24.8	0.06	0.02	0.008	2.48	2.97	7.53	0.55	0.007	0.41	0.150	58.3	12.3	0.01	0.006	1.11	0.017	0.019	0.04
27	20	21	ABAC 27 021	27.4%	24.2	0.07	0.03	0.008	3.14	3.30	7.24	0.62	0.008	0.51	0.150	58.3	12.3	0.014	0.006	1.26	0.020	0.014	0.05
27	20	21	Dup 27021.1	27.4%	24.2	0.07	0.04	0.009	3.15	3.31	7.14	0.64	0.008	0.49	0.140	58.1	12.1	0.012	0.006	1.27	0.020	0.015	0.05
27	21	22	ABAC 27 022	33.4%	24.3	0.07	0.05	0.011	3.58	3.39	7.13	0.73	0.012	0.59	0.160	57.8	11.8	0.012	0.007	1.20	0.022	0.016	0.05
27	22	23	ABAC 27 023	22.2%	23.8	0.08	0.02	0.006	3.61	3.36	6.86	0.66	0.01	0.85	0.190	57.8	11.8	0.02	0.004	1.05	0.016	0.017	0.03
27	23	24	ABAC 27 024	28.7%	24.0	0.06	0.05	0.010	4.05	3.28	7.02	0.71	0.021	0.75	0.150	56.5	10.5	0.01	0.007	1.25	0.023	0.017	0.05
27	24	25	ABAC 27 025	23.8%	23.4	0.08	0.04	0.008	4.04	3.25	6.67	0.61	0.011	0.94	0.150	57.4	11.4	0.017	0.006	1.28	0.019	0.025	0.04
27	25	26	ABAC 27 026	22.8%	23.9	0.08	0.07	0.008	3.97	3.15	6.71	0.59	0.016	1.07	0.170	57.3	11.3	0.01	0.006	1.02	0.017	0.021	0.03
27	26	27	ABAC 27 027	29.8%	20.1	0.07	0.18	0.007	6.05	3.03	6.34	0.82	0.039	2.44	1.960	55.6	9.6	0.14	0.007	1.04	0.016	0.028	0.04
27	27	28	ABAC 27 028	23.8%	20.0	0.05	0.22	0.006	8.79	2.62	6.99	0.91	0.031	2.43	2.140	51.8	5.8	0.14	0.007	0.89	0.017	0.030	0.04

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
27	28	29	ABAC 27 029	39.8%	20.4	0.08	0.20	0.008	3.47	3.16	6.25	0.71	0.008	1.76	1.350	59.3	13.3	0.13	0.008	1.02	0.016	0.014	0.05
27	29	30	ABAC 27 030	52.4%	20.5	0.05	0.15	0.010	3.09	3.03	6.88	0.68	0.007	0.58	0.150	61.8	15.8	0.05	0.009	1.09	0.017	0.024	0.05
27	30	31	ABAC 27 031	45.1%	21.2	0.04	0.20	0.012	2.39	2.87	7.77	0.94	0.009	0.59	0.230	61.5	15.5	0.069	0.012	1.03	0.018	0.044	0.05
27	31	32	ABAC 27 032	52.8%	20.0	0.04	0.23	0.009	6.63	2.77	7.02	0.92	0.015	0.59	0.290	57.5	11.5	0.029	0.011	0.91	0.016	0.024	0.04
28	0	1	ABAC 28001	34.0	33.4	0.02	0.04	0.009	1.12	0.54	12.86	0.14	<0.002	0.30	0.300	48.8	2.8	0.04	0.022	1.06	0.019	0.003	0.029
28	1	2	ABAC 28002	17.8	31.6	0.02	0.01	0.009	0.64	0.57	11.27	0.10	<0.002	0.09	0.150	53.5	7.5	0.04	0.025	0.87	0.019	0.001	0.027
28	2	3	ABAC 28003	20.1	32.9	0.03	0.01	0.008	0.53	0.53	11.47	0.09	<0.002	0.07	0.210	52.0	6.0	0.05	0.035	1.05	0.018	<0.001	0.028
28	3	4	ABAC 28004	19.4	33.0	0.02	<0.01	0.008	0.57	0.49	11.44	0.08	<0.002	0.07	0.170	52.1	6.1	0.03	0.023	0.85	0.016	<0.001	0.032
28	4	5	ABAC 28005	14.9	32.6	<0.01	<0.01	0.008	0.63	0.44	11.23	0.07	0.002	0.05	0.084	52.7	6.7	0.02	0.007	0.80	0.015	<0.001	0.020
28	5	6	ABAC 28006	20.6	32.9	0.02	<0.01	0.007	0.52	0.61	11.23	0.11	<0.002	0.07	0.110	52.2	6.2	0.02	0.011	0.95	0.013	<0.001	0.022
28	6	7	ABAC 28007	44.3	32.5	0.02	<0.01	0.010	0.41	0.69	11.05	0.13	<0.002	0.07	0.150	52.2	6.2	0.03	0.019	1.09	0.017	0.002	0.049
28	7	8	ABAC 28008	41.1	31.8	0.02	<0.01	0.007	0.47	0.78	10.93	0.15	<0.002	0.10	0.150	53.2	7.2	0.02	0.016	1.12	0.016	0.001	0.032
28	8	9	ABAC 28009	43.1	31.1	0.02	<0.01	0.008	0.52	0.98	10.42	0.18	0.002	0.07	0.120	54.2	8.2	0.03	0.016	1.11	0.017	0.002	0.032
28	9	10	ABAC 28010	33.5	29.4	0.02	0.01	0.009	0.66	1.03	9.85	0.19	<0.002	0.09	0.120	56.3	10.3	0.02	0.014	1.29	0.019	0.002	0.040
28	10	11	ABAC 28011	46.2	28.7	0.03	0.11	0.010	0.59	1.04	10.01	0.21	<0.002	0.63	0.740	55.5	9.5	0.10	0.013	1.03	0.016	0.003	0.033
28	11	12	ABAC 28012	18.5	31.1	0.02	<0.01	0.008	0.61	0.67	10.56	0.12	0.002	0.07	0.100	54.9	8.9	0.02	0.007	0.68	0.013	<0.001	0.019
28	12	13	ABAC 28013	27.3	28.7	0.02	0.17	0.010	0.60	0.95	10.17	0.20	0.004	0.72	0.870	55.3	9.3	0.12	0.007	0.90	0.015	0.021	0.027
28	13	14	ABAC 28014	34.7	28.7	0.02	0.18	0.007	0.58	1.18	10.01	0.24	0.003	0.43	0.590	56.4	10.4	0.09	0.006	0.98	0.014	0.006	0.028
28	14	15	ABAC 28015	38.5	28.7	0.02	0.13	0.008	0.67	1.21	9.95	0.24	0.003	0.89	0.390	56.2	10.2	0.05	0.006	0.90	0.017	0.004	0.028
28	15	16	ABAC 28016	33.1	28.4	0.01	0.22	0.007	0.78	1.17	10.04	0.24	0.003	0.59	0.400	56.6	10.6	0.05	0.006	0.84	0.016	0.004	0.024
28	15	16	Dup 28016.1	34.4	28.6	0.02	0.18	0.007	0.81	1.20	10.11	0.26	0.003	0.81	0.960	55.0	9.0	0.12	0.005	0.87	0.019	0.006	0.024
28	16	17	ABAC 28017	10.7	20.0	0.03	0.01	0.009	1.51	1.10	6.96	0.23	0.004	0.14	0.130	67.4	21.4	0.02	0.005	1.25	0.014	0.002	0.082
28	17	18	ABAC 28018	43.0	23.3	0.03	0.13	0.008	2.18	1.27	8.55	0.31	0.004	0.96	1.070	60.1	14.1	0.12	0.006	0.94	0.013	0.013	0.041
28	18	19	ABAC 28019	52.4	24.9	0.03	0.09	0.008	2.81	1.42	8.88	0.34	0.004	0.99	1.080	57.4	11.4	0.10	0.006	0.90	0.014	0.018	0.042
28	19	20	ABAC 28020	47.0	24.7	0.03	0.04	0.008	3.51	1.62	8.70	0.33	0.004	0.13	0.120	58.7	12.7	0.02	0.006	1.01	0.015	0.005	0.060
28	20	21	ABAC 28021	76.3	22.2	0.03	0.06	0.010	2.40	1.97	7.35	0.42	0.004	0.14	0.080	63.3	17.3	0.02	0.006	1.01	0.014	0.005	0.033
28			Std 28021.9		23.2	<0.01	0.64	0.016	2.47	0.61	0.77	0.76	0.19	0.93	0.045	63.9	17.9	0.04	0.003	0.06	0.003	0.007	0.003
28	21	22	ABAC 28022	67.7	22.3	0.03	0.24	0.008	2.06	2.17	7.71	0.70	0.006	0.84	0.810	60.8	14.8	0.18	0.008	0.94	0.014	0.012	0.037
28	22	23	ABAC 28023	55.0	22.1	0.04	0.06	0.007	4.87	2.25	7.51	0.48	0.007	0.17	0.130	60.4	14.4	0.02	0.007	0.95	0.012	0.016	0.038
29	0	1	ABAC 29 001	38.0%	26.6	<0.01	0.03	0.009	0.91	0.60	10.77	0.13	0.004	0.03	0.046	52.5	6.5	0.05	0.007	0.96	0.018	0.210	0.027
29	1	2	ABAC 29 002	28.6%	32.1	<0.01	0.03	0.008	0.77	0.76	11.41	0.16	<0.002	0.03	0.049	51.7	5.7	0.03	0.007	1.11	0.025	0.027	0.028

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
29	2	3	ABAC 29 003	20.0%	32.7	<0.01	0.02	0.009	0.51	0.75	11.38	0.15	<0.002	0.02	0.035	53.1	7.1	0.02	0.005	1.03	0.022	0.019	0.028
29	3	4	ABAC 29 004	26.2%	31.4	0.01	0.02	0.010	0.60	0.78	11.10	0.15	0.002	0.03	0.049	53.4	7.4	0.020	0.008	1.16	0.021	0.027	0.036
29	4	5	ABAC 29 005	21.1%	32.6	<0.01	0.02	0.007	0.60	0.70	11.32	0.13	<0.002	0.02	0.044	52.7	6.7	0.02	0.006	1.06	0.021	0.017	0.030
29	5	6	ABAC 29 006	26.7%	31.5	0.01	0.02	0.009	0.55	0.77	11.66	0.13	<0.002	0.01	0.049	50.5	4.5	0.02	0.007	0.99	0.020	0.011	0.028
29	6	7	ABAC 29 007	39.3%	30.9	0.01	0.02	0.009	0.58	0.95	10.82	0.18	<0.002	0.02	0.05	52.1	6.1	0.02	0.008	1.17	0.020	0.007	0.033
29	7	8	ABAC 29 008	35.0%	31.1	<0.01	0.02	0.009	0.54	0.91	10.89	0.18	<0.002	0.03	0.050	51.8	5.8	0.02	0.006	1.13	0.018	0.005	0.029
29	8	9	ABAC 29 009	32.3%	31.4	0.01	0.01	0.008	0.50	0.90	11.04	0.16	0.002	0.02	0.035	53.6	7.6	0.02	0.004	0.88	0.016	0.003	0.022
29	9	10	ABAC 29 010	34.1%	31.4	0.01	0.02	0.009	0.50	0.95	10.83	0.18	<0.002	0.02	0.039	54.1	8.1	0.02	0.005	1.00	0.017	0.007	0.024
29	10	11	ABAC 29 011	25.5%	31.3	0.01	0.02	0.009	0.66	0.83	10.84	0.16	0.002	0.02	0.065	54.1	8.1	0.02	0.009	1.08	0.017	0.008	0.029
29	11	12	ABAC 29 012	22.0%	31.2	0.01	0.02	0.008	0.73	0.84	10.76	0.15	0.003	0.02	0.041	54.2	8.2	0.02	0.005	1.02	0.018	0.01	0.027
29	12	13	ABAC 29 013	24.4%	30.8	<0.01	0.02	0.009	0.61	0.88	10.55	0.16	<0.002	0.02	0.042	54.8	8.8	0.02	0.006	1.07	0.018	0.006	0.026
29	12	13	Dup 29013.1	28.5%	31.2	0.01	0.02	0.008	0.56	0.97	10.53	0.19	0.002	0.02	0.039	54.4	8.4	0.02	0.005	0.99	0.019	0.003	0.025
29	13	14	ABAC 29 014	25.6%	31.0	0.02	0.02	0.009	0.60	0.95	10.49	0.19	<0.002	0.02	0.032	54.9	8.9	0.02	0.004	1.09	0.018	0.003	0.028
29	14	15	ABAC 29 015	25.1%	30.8	0.02	0.02	0.009	0.60	0.94	10.45	0.19	0.003	0.02	0.031	54.9	8.9	0.02	0.004	1.06	0.020	0.003	0.028
29	15	16	ABAC 29 016	22.0%	29.1	<0.01	0.02	0.008	0.73	0.86	10.10	0.18	0.005	0.02	0.034	56.1	10.1	0.03	0.005	1.00	0.020	0.032	0.025
29	16	17	ABAC 29 017	31.3%	30.9	<0.01	0.02	0.008	0.71	0.98	10.76	0.20	<0.002	0.02	0.034	54.0	8.0	0.02	0.004	0.87	0.020	0.006	0.026
29	17	18	ABAC 29 018	40.0%	23.0	0.03	0.03	0.010	2.03	1.27	7.99	0.27	0.002	0.05	0.055	63.1	17.1	0.02	0.006	1.07	0.022	0.007	0.053
29	18	19	ABAC 29 019	58.6%	24.5	0.02	0.04	0.010	3.14	1.21	8.70	0.29	0.005	0.05	0.066	60.7	14.7	0.03	0.007	0.98	0.022	0.011	0.052
29	18	19	Std 29019.9		23.1	<0.01	0.66	0.016	2.45	0.61	0.74	0.79	0.19	0.93	0.039	63.8	17.8	0.05	0.002	0.06	0.003	0.008	0.006
29	19	20	ABAC 29 020	69.1%	22.7	0.02	0.04	0.010	2.26	1.39	7.71	0.33	0.003	0.05	0.053	64.0	18.0	0.03	0.006	1.06	0.021	0.006	0.052
29	20	21	ABAC 29 021	71.4%	23.3	0.03	0.05	0.010	1.07	1.58	7.74	0.41	0.003	0.07	0.044	63.8	17.8	0.03	0.006	1.00	0.015	0.004	0.041
29	21	22	ABAC 29 022	58.5%	25.1	0.03	0.06	0.008	2.15	1.83	8.44	0.50	0.004	0.06	0.065	60.0	14.0	0.02	0.006	0.96	0.018	0.013	0.043
29	22	23	ABAC 29 023	45.4%	25.5	0.04	0.09	0.009	4.53	2.30	8.61	0.64	0.011	0.06	0.087	56.1	10.1	0.02	0.008	0.96	0.017	0.016	0.043
29	23	24	ABAC 29 024	42.5%	24.4	0.05	0.11	0.009	4.69	2.58	8.26	0.70	0.01	0.07	0.110	55.9	9.9	0.02	0.008	1.02	0.019	0.019	0.047
29	24	25	ABAC 29 025	26.6%	23.8	0.06	0.14	0.009	4.30	3.00	7.69	0.73	0.013	0.07	0.092	58.1	12.1	0.01	0.007	1.16	0.017	0.017	0.049
29	25	26	ABAC 29 026	40.4%	21.5	0.05	0.14	0.012	4.70	2.76	7.15	0.72	0.01	0.08	0.062	60.4	14.4	0.02	0.007	1.03	0.018	0.016	0.054
29	26	27	ABAC 29 027	41.3%	22.4	0.05	0.20	0.008	5.07	2.80	7.31	0.79	0.013	0.46	0.079	57.8	11.8	0.15	0.008	0.94	0.018	0.021	0.038
29	27	28	ABAC 29 028	31.2%	22.2	0.08	0.21	0.009	4.95	2.88	7.36	0.68	0.011	0.50	0.062	58.6	12.6	0.15	0.007	0.84	0.018	0.033	0.032
29	28	29	ABAC 29 029	34.9%	21.5	0.05	0.19	0.010	5.12	2.96	7.14	0.78	0.011	0.22	0.063	59.6	13.6	0.02	0.007	0.96	0.017	0.025	0.044
29	29	30	ABAC 29 030	35.3%	22.1	0.06	0.25	0.007	5.04	3.03	7.08	0.91	0.013	0.58	0.061	58.6	12.6	0.15	0.008	0.89	0.015	0.023	0.038
29	30	31	ABAC 29 031	46.4%	20.4	0.05	0.22	0.009	6.55	2.79	7.07	0.95	0.02	0.22	0.068	59.0	13.0	0.02	0.008	0.91	0.017	0.055	0.043
29	31	32	ABAC 29 032	32.0%	20.6	0.11	0.23	0.013	4.84	3.11	6.69	0.83	0.013	0.68	0.063	60.7	14.7	0.15	0.008	1.01	0.019	0.031	0.047
29	32	33	ABAC 29 033	23.8%	20.7	0.06	0.21	0.010	4.01	3.13	6.38	0.80	0.011	0.77	0.049	61.3	15.3	0.07	0.008	1.09	0.017	0.029	0.044

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
29	33	34	ABAC 29 034	25.3%	23.6	0.06	0.27	0.006	4.87	2.57	7.60	0.74	0.01	0.90	0.044	57.1	11.1	0.04	0.009	0.75	0.018	0.027	0.024
29	34	35	ABAC 29 035	35.2%	22.1	0.05	0.28	0.007	5.03	2.74	7.55	0.89	0.009	0.51	0.047	58.4	12.4	0.02	0.010	0.81	0.018	0.022	0.035
29	35	36	ABAC 29 036	32.4%	21.1	0.04	0.20	0.009	2.16	3.00	7.86	0.92	0.006	0.36	0.045	61.6	15.6	0.06	0.010	0.94	0.018	0.017	0.041
29	36	37	ABAC 29 037	32.2%	20.5	0.06	0.31	0.008	8.27	2.65	7.18	0.93	0.016	0.84	0.060	56.6	10.6	0.14	0.010	0.81	0.017	0.050	0.035
29	37	38	ABAC 29 038	24.5%	22.8	0.09	0.32	0.009	4.16	2.70	6.97	0.67	0.011	1.11	0.035	59.2	13.2	0.03	0.011	0.80	0.018	0.027	0.025
29	38	39	ABAC 29 039	27.2%	20.1	0.06	0.27	0.008	3.62	2.49	6.26	0.61	0.01	0.87	0.034	63.3	17.3	0.02	0.009	0.70	0.020	0.022	0.026
30	0	1	ABAC 30001	10.7	17.7	0.03	0.40	0.018	1.47	0.78	9.49	0.29	0.011	0.27	0.970	65.4	19.4	0.10	0.008	1.05	0.012	0.017	0.051
30	1	2	ABAC 30002	13.2	14.3	0.02	0.11	0.017	1.51	0.63	5.86	0.15	0.007	0.16	0.130	73.9	27.9	0.08	0.005	1.36	0.019	0.004	0.054
30	2	3	ABAC 30003	23.7	28.5	0.02	0.03	0.010	1.28	0.79	10.41	0.19	0.003	0.19	0.086	56.4	10.4	0.05	0.007	0.94	0.017	0.002	0.024
30	3	4	ABAC 30004	25.1	32.0	0.02	0.03	0.009	1.04	0.80	11.89	0.17	0.002	0.13	0.064	52.2	6.2	0.06	0.008	0.80	0.016	0.018	0.018
30	4	5	ABAC 30005	24.7	30.5	0.01	0.03	0.011	1.01	0.93	11.00	0.18	0.002	0.13	0.096	53.8	7.8	0.03	0.008	1.03	0.019	0.005	0.024
30	5	6	ABAC 30006	25.7	31.4	<0.01	0.02	0.009	1.05	1.00	11.32	0.20	0.003	0.11	0.087	52.6	6.6	0.03	0.008	0.93	0.023	0.003	0.022
30	6	7	ABAC 30007	25.4	26.0	0.02	0.32	0.012	0.95	0.80	9.63	0.17	0.003	0.07	0.490	59.0	13.0	0.03	0.012	1.18	0.018	0.006	0.035
30	7	8	ABAC 30008	13.4	29.8	0.02	0.02	0.009	1.01	1.06	10.78	0.22	<0.002	0.13	0.099	54.6	8.6	0.02	0.007	1.00	0.020	<0.001	0.027
30	8	9	ABAC 30009	29.9	30.5	<0.01	0.02	0.012	1.13	1.19	10.84	0.25	0.003	0.17	0.110	53.7	7.7	0.02	0.009	1.20	0.023	<0.001	0.031
30	8	9	Dup 30009.1	29.9	30.3	0.02	0.02	0.011	1.12	1.18	10.86	0.24	0.002	0.16	0.110	53.5	7.5	0.03	0.009	1.20	0.022	0.002	0.031
30	9	10	ABAC 30010	29.2	28.5	0.02	0.03	0.010	1.23	1.08	10.25	0.23	0.002	0.12	0.110	56.1	10.1	0.03	0.008	1.16	0.021	0.010	0.033
30	10	11	ABAC 30011	25.5	29.3	0.01	0.02	0.008	1.13	1.07	10.73	0.22	0.003	0.12	0.092	55.5	9.5	0.03	0.006	0.87	0.018	0.004	0.023
30	11	12	ABAC 30012	42.1	29.5	0.01	0.03	0.009	1.53	1.34	10.54	0.28	0.002	0.14	0.110	54.0	8.0	0.02	0.007	1.04	0.021	0.003	0.035
30	12	13	ABAC 30013	43.8	28.1	0.02	0.03	0.012	1.85	1.36	9.68	0.28	0.003	0.13	0.110	56.2	10.2	0.02	0.007	1.02	0.022	0.005	0.037
30	13	14	ABAC 30014	45.2	30.2	0.01	0.02	0.009	1.23	1.43	10.34	0.28	<0.002	0.14	0.100	54.2	8.2	0.03	0.006	0.98	0.020	0.002	0.031
30	14	15	ABAC 30015	28.5	29.7	0.02	0.06	0.009	2.94	1.10	10.75	0.25	0.004	0.13	0.130	53.3	7.3	0.03	0.008	0.91	0.021	0.004	0.026
30	15	16	ABAC 30016	37.0	30.4	0.02	0.04	0.010	2.21	1.28	10.80	0.26	0.003	0.11	0.097	53.4	7.4	0.03	0.005	0.81	0.021	0.006	0.025
30	16	17	ABAC 30017	21.7	28.9	0.01	0.04	0.009	1.79	1.19	10.52	0.24	0.004	0.11	0.110	55.1	9.1	0.02	0.008	0.81	0.019	0.004	0.024
30	17	18	ABAC 30018	24.4	27.6	<0.01	0.05	0.010	1.33	1.28	10.16	0.26	<0.002	0.15	0.130	56.8	10.8	0.02	0.007	0.95	0.019	0.003	0.026
30	18	19	ABAC 30019	29.3	28.8	<0.01	0.05	0.011	1.69	1.34	10.61	0.28	0.004	0.15	0.120	55.1	9.1	0.03	0.008	0.87	0.021	0.013	0.024
30	19	20	ABAC 30020	21.0	28.8	0.02	0.04	0.011	2.57	1.55	10.95	0.32	0.003	0.23	0.190	52.1	6.1	0.03	0.011	1.24	0.029	0.008	0.037
30	20	21	ABAC 30021	42.7	31.5	0.02	0.09	0.022	1.58	2.13	11.13	0.48	0.008	0.25	0.190	50.1	4.1	0.06	0.009	1.17	0.028	0.006	0.028
30	21	22	ABAC 30022	25.0	31.7	0.02	0.05	0.011	1.68	1.92	11.69	0.42	0.006	0.29	0.210	49.8	3.8	0.05	0.012	0.93	0.025	0.006	0.022
30	22	23	ABAC 30023	33.0	27.3	0.02	0.05	0.010	1.14	1.90	9.69	0.34	0.004	0.25	0.170	57.0	11.0	0.11	0.010	0.87	0.021	0.003	0.024
30	23	24	ABAC 30024	30.2	28.1	0.03	0.05	0.010	1.13	2.13	9.97	0.37	0.005	0.25	0.170	56.0	10.0	0.07	0.009	0.91	0.021	0.005	0.024
30	24	25	ABAC 30025	26.5	27.5	0.04	0.04	0.011	1.30	2.37	9.80	0.37	0.006	0.26	0.160	56.1	10.1	0.05	0.010	1.16	0.022	0.014	0.030

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
30	25	26	ABAC 30026	19.0	23.6	0.05	0.05	0.012	1.52	3.03	8.26	0.33	0.007	0.22	0.130	59.8	13.8	0.09	0.009	1.23	0.017	0.009	0.039
30	26	27	ABAC 30027	31.8	25.4	0.04	0.11	0.011	1.79	2.38	9.11	0.35	0.006	0.30	0.210	57.7	11.7	0.04	0.008	1.06	0.018	0.009	0.034
30	27	28	ABAC 30028	48.2	24.6	0.04	0.12	0.007	1.70	1.63	8.95	0.31	0.002	0.27	0.220	60.0	14.0	0.02	0.006	0.80	0.016	0.006	0.027
30	28	29	ABAC 30029	44.4	24.2	0.06	0.16	0.007	0.93	1.72	8.83	0.34	0.008	0.26	0.300	61.1	15.1	0.05	0.008	0.72	0.016	0.005	0.024
30	29	30	ABAC 30030	41.4	20.4	0.11	0.18	0.007	0.80	1.76	7.37	0.29	0.003	0.26	0.300	66.2	20.2	0.14	0.007	0.87	0.015	0.005	0.026
30			Std 30030.9		23.1	<0.01	0.66	0.017	2.43	0.60	0.69	0.77	0.19	0.93	0.041	63.0	17.0	0.05	0.002	0.05	0.003	0.007	0.004
30	30	31	ABAC 30031	74.6	19.7	0.03	0.29	0.005	1.88	1.70	10.04	0.64	0.005	0.22	0.700	61.8	15.8	0.14	0.014	0.66	0.015	0.046	0.032
30	31	32	ABAC 30032	69.0	18.1	0.04	0.39	0.005	1.73	1.64	9.20	0.78	0.005	0.36	0.640	63.4	17.4	0.16	0.022	0.55	0.011	0.033	0.031
30	32	33	ABAC 30033	65.6	18.2	0.04	0.43	0.005	2.01	1.73	9.56	0.90	0.008	0.26	0.710	63.1	17.1	0.16	0.013	0.52	0.011	0.035	0.027
30	33	34	ABAC 30034	73.4	17.8	0.03	0.40	0.004	2.42	2.12	7.45	0.90	0.021	0.47	0.540	64.6	18.6	0.09	0.011	0.56	0.011	0.037	0.031
30	34	35	ABAC 30035	48.0	18.3	0.04	0.44	0.004	2.01	1.74	9.67	0.93	0.008	0.26	0.710	63.1	17.1	0.16	0.013	0.52	0.011	0.035	0.025
30	35	36	ABAC 30036	57.6	16.2	0.04	0.48	0.005	4.45	2.81	11.62	0.79	0.054	0.17	0.800	59.5	13.5	0.20	0.010	0.52	0.010	0.026	0.027
31	0	1	ABAC 31001	38.1	17.2	0.03	0.19	0.009	2.16	0.93	11.02	0.39	0.013	0.30	0.750	64.3	18.3	0.25	0.010	0.72	0.012	0.012	0.035
31	1	2	ABAC 31002	33.9	20.6	0.03	0.26	0.008	2.68	0.88	13.22	0.43	0.006	0.38	0.980	57.6	11.6	0.26	0.015	0.68	0.017	0.010	0.030
31	2	3	ABAC 31003	32.4	20.7	0.02	0.19	0.007	2.51	0.77	11.70	0.27	0.007	0.23	0.780	60.6	14.6	0.34	0.016	0.70	0.017	0.008	0.034
31	3	4	ABAC 31004	45.2	22.0	0.02	0.20	0.008	2.79	0.79	12.04	0.25	0.005	0.23	0.610	58.4	12.4	0.40	0.018	0.74	0.020	0.003	0.032
31	4	5	ABAC 31005	49.2	21.7	0.03	0.17	0.005	2.42	0.84	11.29	0.27	0.004	0.19	0.470	60.4	14.4	0.24	0.013	0.68	0.015	0.004	0.028
31			Std 31005.9		23.1	<0.01	0.65	0.015	2.43	0.60	0.70	0.78	0.19	0.94	0.043	63.4		0.05	0.003	0.05	0.003	0.007	0.005
31	5	6	ABAC 31006	61.2	20.9	0.03	0.11	0.007	2.28	0.89	10.33	0.26	0.004	0.14	0.410	62.3	16.3	0.19	0.013	0.65	0.014	0.003	0.030
31	6	7	ABAC 31007	47.1	22.0	0.03	0.20	0.009	2.73	0.73	13.16	0.24	0.006	0.60	1.060	56.2	10.2	0.25	0.015	0.73	0.018	0.310	0.030
31	7	8	ABAC 31008	35.6	22.9	<0.01	0.21	0.010	2.37	0.61	16.14	0.25	0.005	0.44	1.400	52.0	6.0	0.17	0.012	0.81	0.018	0.030	0.030
31	8	9	ABAC 31009	31.4	22.9	0.01	0.26	0.008	1.71	0.55	20.17	0.28	0.003	0.53	1.770	48.3	2.3	0.10	0.009	0.86	0.015	0.010	0.027
31	9	10	ABAC 31010	18.3	15.3	0.02	0.20	0.017	1.66	0.49	15.46	0.14	0.004	0.18	1.760	60.1	14.1	0.07	0.006	0.94	0.013	0.053	0.044
31	10	11	ABAC 31011	27.1	26.8	<0.01	0.16	0.016	1.65	0.83	11.79	0.21	0.005	0.14	0.510	55.3	9.3	0.07	0.009	0.85	0.018	0.006	0.023
31	11	12	ABAC 31012	26.4	27.0	0.02	0.14	0.014	3.44	0.95	12.24	0.22	0.005	0.34	0.620	52.6	6.6	0.09	0.011	0.83	0.019	0.005	0.022
31	12	13	ABAC 31013	19.4	26.9	0.01	0.38	0.015	3.54	0.94	12.75	0.23	0.007	0.11	0.800	51.7	5.7	0.10	0.013	0.90	0.019	0.049	0.025
31	13	14	ABAC 31014	34.8	27.2	0.03	0.22	0.011	2.63	1.57	11.59	0.35	0.005	0.06	0.670	53.2	7.2	0.08	0.016	1.34	0.027	0.017	0.040
31	14	15	ABAC 31015	27.5	27.2	0.02	0.14	0.016	2.03	1.19	12.38	0.26	0.007	0.14	0.680	53.2	7.2	0.08	0.014	1.09	0.020	0.012	0.028
31	15	16	ABAC 31016	23.5	27.4	0.02	0.25	0.011	2.41	1.24	12.27	0.27	0.008	0.12	0.590	53.1	7.1	0.11	0.014	1.04	0.020	0.017	0.026
31	16	17	ABAC 31017	25.1	27.5	0.02	0.16	0.011	2.35	1.20	11.95	0.27	0.005	0.19	0.510	53.2	7.2	0.07	0.014	1.02	0.018	0.007	0.026
31	17	18	ABAC 31018	26.2	27.6	0.02	0.16	0.015	1.67	1.32	12.56	0.30	0.008	0.13	0.690	52.6	6.6	0.06	0.014	1.27	0.022	0.010	0.030
31	18	19	ABAC 31019	27.6	26.4	0.02	0.19	0.012	1.75	1.42	12.96	0.30	0.006	0.20	0.960	52.6	6.6	0.08	0.013	1.16	0.019	0.083	0.027

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
31	19	20	ABAC 31020	25.9	26.5	0.02	0.21	0.013	1.59	1.67	11.44	0.31	0.006	0.12	0.690	54.8	8.8	0.07	0.013	1.21	0.021	0.007	0.029
31	20	21	ABAC 31021	26.1	26.7	0.02	0.13	0.012	1.55	1.80	11.96	0.33	0.005	0.21	0.750	53.7	7.7	0.06	0.012	1.21	0.022	0.006	0.029
31	21	22	ABAC 31022	31.2	26.5	0.03	0.17	0.029	1.36	2.11	12.15	0.37	0.014	0.17	0.750	53.6	7.6	0.10	0.012	1.17	0.021	0.008	0.033
31	22	23	ABAC 31023	25.8	25.4	0.03	0.16	0.012	1.48	2.36	11.95	0.36	0.006	0.31	0.840	54.6	8.6	0.13	0.012	1.00	0.019	0.006	0.023
31	23	24	ABAC 31024	36.9	25.0	0.03	0.26	0.011	1.57	2.59	10.49	0.42	0.006	0.17	0.680	56.1	10.1	0.15	0.013	1.08	0.020	0.005	0.033
31	23	24	Dup 31024.1	36.2	23.8	0.04	0.16	0.013	1.44	2.62	9.90	0.39	0.005	0.22	0.580	58.3	12.3	0.14	0.012	1.03	0.020	0.005	0.034
31	24	25	ABAC 31025	61.8	23.3	0.03	0.18	0.008	2.21	1.52	10.89	0.39	0.004	0.50	0.650	58.1	12.1	0.10	0.008	0.97	0.018	0.040	0.034
31	25	26	ABAC 31026	58.2	23.4	0.04	0.27	0.012	1.22	1.44	11.57	0.43	0.004	0.83	0.760	57.4	11.4	0.14	0.010	0.88	0.018	0.010	0.026
31	26	27	ABAC 31027	40.7	21.1	0.07	0.20	0.005	0.86	1.80	10.83	0.30	0.003	0.45	0.780	61.2	15.2	0.12	0.007	0.77	0.014	0.004	0.020
31	27	28	ABAC 31028	78.8	19.8	0.04	0.25	0.006	1.82	1.75	9.68	0.60	0.004	0.20	0.610	62.5	16.5	0.15	0.013	0.70	0.017	0.018	0.032
31	28	29	ABAC 31029	72.3	19.1	0.03	0.40	0.005	1.68	1.61	9.61	0.81	0.006	0.41	0.850	62.8	16.8	0.15	0.030	0.56	0.013	0.024	0.027
31	29	30	ABAC 31030	80.0	19.4	0.03	0.43	0.004	2.01	1.80	9.68	0.86	0.007	0.49	0.580	61.7	15.7	0.20	0.025	0.51	0.010	0.033	0.030
32	0	1	ABAC 32001	8.88	14.6	0.09	0.05	0.009	1.19	0.47	6.71	0.15	<0.01	0.30	0.190	74.8	28.8	0.15	0.006	1.52	0.012	0.038	0.070
32	1	2	ABAC 32002	17.28	23.8	<0.01	0.05	0.011	1.76	0.46	9.07	0.18	<0.01	0.34	0.210	62.4	16.4	0.05	0.007	1.45	0.016	0.060	0.050
32	2	3	ABAC 32003	12.36	19.3	0.01	0.05	0.008	2.11	0.52	7.11	0.16	<0.01	0.26	0.140	68.3	22.3	0.05	0.005	1.47	0.018	0.011	0.060
32	3	4	ABAC 32004	30.60	27.9	<0.01	0.12	0.011	2.35	0.58	10.52	0.31	<0.01	1.28	1.250	54.3	8.3	0.13	0.005	1.05	0.022	0.028	0.030
32	4	5	ABAC 32005	28.14	29.6	0.01	0.16	0.008	2.54	0.78	11.06	0.30	<0.01	1.42	1.490	51.9	5.9	0.13	0.008	0.98	0.020	0.010	0.030
32	5	6	ABAC 32006	26.31	30.2	<0.01	0.16	0.007	2.16	0.86	11.12	0.27	<0.01	1.44	1.550	50.9	4.9	0.13	0.008	0.87	0.021	0.008	0.020
32	6	7	ABAC 32007	27.76	30.7	<0.01	0.14	0.007	1.39	0.99	11.37	0.28	<0.01	1.47	1.580	50.6	4.6	0.14	0.010	0.97	0.021	0.028	0.020
32	7	8	ABAC 32008	40.99	30.4	0.01	0.09	0.007	1.74	1.37	10.60	0.34	<0.01	1.00	1.050	51.9	5.9	0.09	0.009	1.19	0.019	0.005	0.050
32	8	9	ABAC 32009	30.19	30.3	0.01	0.13	0.008	2.91	1.25	10.85	0.33	<0.01	1.25	1.370	50.3	4.3	0.11	0.012	1.07	0.020	0.009	0.030
32	9	10	ABAC 32010	29.56	28.9	<0.01	0.11	0.007	2.33	0.98	10.62	0.27	<0.01	1.29	1.400	52.7	6.7	0.10	0.010	0.92	0.018	0.038	0.040
32	10	11	ABAC 32011	26.95	29.0	0.02	0.14	0.011	2.75	1.25	10.55	0.32	<0.01	1.10	1.210	52.4	6.4	0.21	0.010	1.06	0.017	0.011	0.030
32	11	12	ABAC 32012	33.49	30.0	<0.01	0.12	0.008	1.24	1.51	10.39	0.36	<0.01	1.01	1.050	53.2	7.2	0.15	0.008	0.86	0.017	0.015	0.030
32	12	13	ABAC 32013	34.03	28.0	0.01	0.12	0.012	1.70	1.66	9.74	0.37	<0.01	1.23	1.320	54.6	8.6	0.13	0.009	0.89	0.020	0.057	0.030
32	13	14	ABAC 32014	41.75	29.3	0.02	0.11	0.012	1.15	1.83	10.04	0.40	<0.01	1.15	1.200	53.6	7.6	0.20	0.008	0.88	0.021	0.017	0.030
32	14	15	ABAC 32015	37.82	28.5	0.01	0.11	0.010	1.05	2.05	9.58	0.40	<0.01	1.48	1.560	54.1	8.1	0.17	0.007	0.85	0.018	0.017	0.030
32	15	16	ABAC 32016	37.17	28.1	0.03	0.12	0.008	1.02	2.25	9.37	0.40	<0.01	1.35	1.450	54.8	8.8	0.22	0.014	0.88	0.018	0.020	0.040
32	16	17	ABAC 32017	38.78	27.2	0.03	0.09	0.010	1.34	2.85	8.56	0.49	<0.01	1.33	1.400	55.0	9.0	0.11	0.010	1.15	0.021	0.012	0.040
32	17	18	ABAC 32018	32.15	25.4	0.04	0.13	0.011	1.35	3.30	8.00	0.39	<0.01	1.38	1.440	57.0	11.0	0.21	0.008	0.96	0.020	0.018	0.030
32	18	19	ABAC 32019	29.40	25.5	0.06	0.10	0.011	1.42	3.68	7.81	0.40	<0.01	1.22	1.290	56.9	10.9	0.19	0.010	0.99	0.017	0.025	0.040
32	19	20	ABAC 32020	23.22	25.6	0.06	0.08	0.015	1.83	3.24	7.98	0.30	<0.01	0.27	0.250	59.4	13.4	0.20	0.009	1.03	0.018	0.017	0.040

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
32	20	21	ABAC 32021	42.06	25.3	0.05	0.04	0.009	1.51	2.38	8.03	0.32	<0.01	0.17	0.090	60.6	14.6	0.07	0.007	1.02	0.015	0.007	0.040
32	21	22	ABAC 32022	48.60	23.9	0.05	0.06	0.005	1.16	1.93	7.72	0.25	<0.01	0.12	0.077	63.9	17.9	0.02	0.005	0.78	0.012	0.003	0.040
32	22	23	ABAC 32023	56.30	23.9	0.05	0.12	0.008	1.45	1.96	7.71	0.37	<0.01	0.33	0.190	63.3	17.3	0.02	0.010	0.79	0.019	0.006	0.040
32	23	24	ABAC 32024	61.40	21.7	0.05	0.19	0.008	1.79	2.07	7.13	0.59	<0.01	1.19	1.140	62.6	16.6	0.20	0.012	0.89	0.018	0.020	0.040
32	23	24	Dup 32024.1	58.00	21.5	0.07	0.15	0.006	1.47	2.08	6.84	0.42	<0.01	0.47	0.460	65.8	19.8	0.06	0.011	0.87	0.015	0.012	0.040
32	24	25	ABAC 32025	67.06	18.7	0.04	0.25	0.005	1.33	1.86	6.83	0.57	<0.01	0.67	0.710	68.1	22.1	0.09	0.022	0.67	0.010	0.018	0.040
32	25	26	ABAC 32026	73.06	19.2	0.03	0.44	0.004	2.19	1.80	7.27	1.08	<0.01	1.63	1.510	64.5	18.5	0.25	0.020	0.54	0.011	0.027	0.040
32	26	27	ABAC 32027	59.11	19.0	0.04	0.47	0.004	1.93	1.83	7.78	0.96	<0.01	1.65	1.710	65.0	19.0	0.26	0.012	0.57	0.009	0.039	0.030
32	27	28	ABAC 32028	72.86	17.7	0.03	0.36	0.004	2.67	2.21	6.76	0.98	0.02	1.22	1.080	66.2	20.2	0.20	0.010	0.55	0.011	0.031	0.030
32	28	29	ABAC 32029	42.43	16.2	0.05	0.18	0.004	6.33	1.78	8.40	0.45	0.24	0.43	0.260	65.1	19.1	0.10	0.006	0.38	0.003	0.023	0.030
32	29	30	ABAC 32030	66.44	16.6	0.05	0.34	0.006	4.77	3.50	7.76	0.82	0.06	0.48	0.490	64.3	18.3	0.17	0.008	0.60	0.010	0.030	0.040
32			Std 32013.9		23.2	<0.01	0.65	0.014	2.42	0.61	0.84	0.78	0.18	0.94	0.041	63.8		0.05	<0.002	0.06	0.004	0.007	0.010
33	0	1	ABAC 33001	18.5	15.7	0.03	0.26	0.013	2.67	0.21	11.52	0.13	0.011	0.15	0.890	65.1	19.1	0.15	0.010	1.53	0.025	0.012	0.086
33	1	2	ABAC 33002	20.5	17.2	0.02	0.35	0.012	1.79	0.16	13.00	0.14	0.004	0.25	1.080	62.6	16.6	0.12	0.012	1.62	0.022	0.025	0.082
33	2	3	ABAC 33003	20.4	1.1	0.06	0.11	0.015	0.62	0.06	3.03	0.03	0.005	0.13	0.480	89.7	43.7	0.10	0.008	2.76	0.015	0.012	0.140
33	3	4	ABAC 33004	20.4	2.3	0.06	0.13	0.016	0.69	0.06	2.06	0.04	0.007	0.05	0.280	90.2	44.2	0.06	0.009	2.82	0.017	0.003	0.130
33	4	5	ABAC 33005	12.8	2.8	0.04	0.06	0.016	0.72	0.05	6.02	0.03	0.003	0.10	0.850	85.9	39.9	0.10	0.011	1.93	0.013	0.046	0.100
33	5	6	ABAC 33006	19.7	0.2	0.02	0.05	0.012	0.40	0.02	0.79	0.02	0.002	0.04	0.079	95.6	49.6	0.04	0.002	0.86	0.003	0.002	0.093
33	6	7	ABAC 33007	20.3	2.9	0.06	0.13	0.015	0.70	0.09	3.14	0.05	0.005	0.27	0.440	88.4	42.4	0.10	0.036	2.42	0.014	<0.001	0.100
33	7	8	ABAC 33008	25.9	17.7	0.05	0.29	0.013	1.02	0.53	10.16	0.18	0.003	0.17	0.850	66.0	20.0	0.13	0.041	1.61	0.018	0.033	0.066
33	8	9	ABAC 33009	46.1	27.1	0.02	0.08	0.016	1.01	0.48	11.88	0.16	0.004	0.23	0.540	57.0	11.0	0.06	0.004	1.05	0.011	0.012	0.040
33	8	9	Dup 33009.1	45.2	27.3	0.02	0.06	0.008	1.01	0.48	12.15	0.15	0.003	0.24	0.540	56.4	10.4	0.06	0.004	1.06	0.011	0.012	0.039
33	9	10	ABAC 33010	44.7	27.0	<0.01	0.10	0.008	0.90	0.58	12.05	0.20	<0.002	0.24	0.580	55.8	9.8	0.06	0.004	1.08	0.010	0.009	0.037
33	10	11	ABAC 33011	49.4	28.2	<0.01	0.14	0.010	0.86	0.56	14.32	0.19	<0.002	0.26	0.730	52.1	6.1	0.08	0.004	1.19	0.014	0.076	0.035
33	11	12	ABAC 33012	42.2	25.6	<0.01	0.12	0.013	1.02	0.56	14.01	0.21	<0.002	0.46	0.920	54.8	8.8	0.10	0.006	1.20	0.013	0.110	0.043
33	12	13	ABAC 33013	28.6	21.1	0.03	0.16	0.018	1.27	0.54	12.43	0.17	0.003	0.24	1.100	60.2	14.2	0.10	0.027	1.36	0.017	0.110	0.058
33	13	14	ABAC 33014	29.8	27.9	0.01	0.25	0.017	1.09	0.80	11.98	0.20	0.002	0.13	0.620	55.0	9.0	0.06	0.010	0.90	0.015	0.013	0.027
33	14	15	ABAC 33015	32.6	29.1	0.02	0.08	0.011	1.07	1.06	11.74	0.23	0.002	0.16	0.440	54.3	8.3	0.06	0.011	0.86	0.015	0.010	0.025
33	15	16	ABAC 33016	47.6	28.5	0.03	0.16	0.010	1.22	1.34	11.56	0.31	<0.002	0.15	0.410	54.4	8.4	0.08	0.011	0.93	0.018	0.009	0.030
33	16	17	ABAC 33017	56.0	28.0	0.02	0.15	0.008	1.34	1.39	10.94	0.33	0.003	0.12	0.430	55.1	9.1	0.06	0.010	0.95	0.014	0.005	0.033
33	17	18	ABAC 33018	40.2	28.3	0.02	0.14	0.012	1.84	1.29	12.15	0.30	0.01	0.11	0.600	53.3	7.3	0.07	0.013	0.98	0.016	0.006	0.029
33	18	19	ABAC 33019	27.2	27.0	0.02	0.20	0.012	1.61	1.09	11.19	0.25	0.002	0.11	0.580	56.2	10.2	0.05	0.012	0.79	0.014	0.006	0.024

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
33	19	20	ABAC 33020	28.0	25.6	0.02	0.30	0.011	1.38	1.21	11.53	0.28	0.004	0.14	0.600	57.1	11.1	0.08	0.009	0.84	0.013	0.003	0.027
33	20	21	ABAC 33021	31.4	26.3	0.02	0.18	0.009	1.46	1.38	11.71	0.31	0.003	0.20	0.670	56.0	10.0	0.08	0.008	0.64	0.015	0.005	0.021
33	21	22	ABAC 33022	37.9	26.1	0.03	0.13	0.013	1.50	1.62	11.43	0.35	0.004	0.26	0.670	55.4	9.4	0.09	0.011	0.84	0.014	0.016	0.026
33	22	23	ABAC 33023	49.4	26.6	0.03	0.18	0.014	1.60	1.83	11.60	0.42	0.006	0.17	0.660	54.6	8.6	0.08	0.010	0.91	0.018	0.016	0.032
33	23	24	ABAC 33024	33.9	25.3	0.04	0.20	0.010	1.59	1.89	11.27	0.36	0.003	0.31	0.680	55.9	9.9	0.09	0.011	0.76	0.016	0.006	0.024
33	24	25	ABAC 33025	19.2	29.2	0.03	0.28	0.014	1.74	2.14	16.09	0.55	0.003	0.77	1.440	45.3	-0.7	0.12	0.014	0.95	0.022	0.029	0.026
33	25	26	ABAC 33026	32.5	24.3	0.04	0.22	0.010	1.48	2.14	11.54	0.36	0.003	0.23	0.790	56.8	10.8	0.09	0.011	0.79	0.014	0.012	0.023
33	26	27	ABAC 33027	26.1	24.3	0.05	0.04	0.012	1.58	2.21	7.84	0.28	0.004	0.48	0.360	60.8	14.8	0.04	0.009	0.82	0.013	0.005	0.027
33	27	28	ABAC 33028	19.7	22.5	0.06	0.27	0.015	2.12	2.30	10.13	0.30	0.007	0.25	0.530	59.5	13.5	0.11	0.011	0.88	0.015	0.006	0.030
33	28	29	ABAC 33029	24.0	22.2	0.06	0.07	0.017	1.96	2.35	10.72	0.28	0.007	0.26	0.880	59.2	13.2	0.07	0.010	0.90	0.015	0.011	0.029
33	29	30	ABAC 33030	19.4	22.0	0.05	0.23	0.024	1.77	2.43	10.55	0.32	0.01	0.60	0.680	59.2	13.2	0.18	0.011	1.04	0.014	0.010	0.032
33	30	31	ABAC 33031	24.1	21.7	0.06	0.32	0.018	1.83	2.47	10.02	0.30	0.009	0.18	0.670	60.0	14.0	0.17	0.012	1.09	0.013	0.012	0.041
33	31	32	ABAC 33032	29.2	22.9	0.28	0.13	0.022	2.11	2.23	10.95	0.29	0.006	0.22	0.790	57.8	11.8	0.28	0.012	1.08	0.016	0.012	0.041
33	32	33	ABAC 33033	38.1	25.3	0.06	0.15	0.010	1.38	2.79	11.40	0.38	0.004	0.38	0.800	54.9	8.9	0.11	0.011	0.91	0.016	0.006	0.029
33	33	34	ABAC 33034	31.1	25.1	0.07	0.29	0.009	1.05	3.20	11.24	0.39	0.004	0.22	0.700	55.7	9.7	0.19	0.012	0.96	0.017	0.008	0.026
33	34	35	ABAC 33035	30.7	23.7	0.08	0.21	0.008	1.09	3.36	10.90	0.36	0.004	0.28	0.920	56.8	10.8	0.31	0.012	1.09	0.015	0.005	0.028
33	35	36	ABAC 33036	26.8	24.4	0.07	0.22	0.011	1.05	3.68	10.48	0.38	0.004	0.31	0.790	56.6	10.6	0.23	0.011	1.09	0.016	0.004	0.025
33	36	37	ABAC 33037	27.6	23.3	0.08	0.23	0.009	1.05	3.73	10.28	0.36	0.005	0.22	0.550	58.1	12.1	0.24	0.011	1.06	0.016	0.004	0.029
33	37	38	ABAC 33038	32.0	24.4	0.07	0.03	0.010	1.10	3.83	8.45	0.35	0.004	0.19	0.410	58.9	12.9	0.17	0.011	1.13	0.019	0.006	0.029
33	38	39	ABAC 33039	26.9	22.5	0.08	0.17	0.009	1.05	3.68	10.61	0.34	0.004	0.27	0.940	58.1	12.1	0.27	0.012	1.05	0.018	0.005	0.027
33			Std 33039.9		23.1	<0.01	0.65	0.016	2.42	0.59	0.67	0.78	0.19	0.94	0.041	63.1	17.1	0.05	0.003	0.05	0.003	0.007	0.005
33	39	40	ABAC 33040	33.9	23.4	0.07	0.18	0.011	1.47	3.55	10.92	0.42	0.006	0.37	0.980	55.9	9.9	0.51	0.012	1.23	0.019	0.022	0.037
33	40	41	ABAC 33041	30.6	21.8	0.10	0.14	0.009	1.15	3.82	10.00	0.35	0.008	0.30	0.900	58.9	12.9	0.27	0.011	0.88	0.016	0.011	0.027
33	41	42	ABAC 33042	30.3	26.4	0.06	0.31	0.014	1.53	3.31	14.19	0.60	0.007	0.60	1.290	48.8	2.8	0.19	0.013	1.20	0.027	0.018	0.029

34	0	1	ABAC 34001	37.0	24.2	0.03	0.10	0.012	2.26	0.79	11.32	0.14	0.003	0.07	0.087	58.0	12.0	0.14	0.016	1.41	0.022	0.013	0.057
34	1	2	ABAC 34002	25.8	22.6	0.14	0.10	0.009	1.24	0.89	8.82	0.13	0.002	0.06	0.160	63.5	17.5	0.30	0.057	1.58	0.025	0.027	0.060
34	2	3	ABAC 34003	17.1	17.0	0.09	0.08	0.012	0.71	0.28	7.01	0.06	0.002	0.05	0.210	71.7	25.7	0.45	0.083	1.85	0.016	0.007	0.091
34	3	4	ABAC 34004	21.4	14.1	0.09	0.09	0.013	1.09	0.32	8.94	0.07	0.003	0.05	0.190	71.2	25.2	0.52	0.070	1.93	0.019	0.075	0.094
34	4	5	ABAC 34005	25.5	12.2	0.18	0.21	0.012	0.82	0.88	9.87	0.04	<0.002	0.07	0.870	71.6	25.6	3.26	0.340	2.04	0.019	0.039	0.088
34	5	6	ABAC 34006	26.3	10.0	0.09	0.09	0.009	0.61	0.45	5.70	0.05	0.002	0.05	0.350	79.4	33.4	1.31	0.140	2.00	0.016	0.013	0.083
34	6	7	ABAC 34007	28.6	19.2	0.09	0.10	0.012	0.88	0.72	8.76	0.10	0.003	0.07	0.350	67.5	21.5	1.53	0.140	1.73	0.017	0.006	0.065

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
34	7	8	ABAC 34008	49.0	28.9	0.03	0.07	0.008	1.01	0.70	10.75	0.18	<0.002	0.04	0.090	56.7	10.7	0.37	0.033	0.89	0.019	0.013	0.031
34	8	9	ABAC 34009	50.4	28.2	0.04	0.07	0.010	1.01	0.74	10.35	0.20	<0.002	0.05	0.070	57.8	11.8	0.27	0.022	1.01	0.016	0.011	0.037
34	9	10	ABAC 34010	47.3	26.6	0.02	0.07	0.008	0.90	0.77	9.59	0.19	0.002	0.05	0.059	59.9	13.9	0.21	0.016	1.01	0.014	0.014	0.038
34	10	11	ABAC 34011	49.5	27.5	0.02	0.07	0.010	1.02	0.82	9.90	0.21	0.002	0.05	0.061	58.8	12.8	0.19	0.018	1.05	0.014	0.006	0.038
34	11	12	ABAC 34012	39.2	26.9	0.02	0.07	0.014	1.04	0.64	9.80	0.17	0.002	0.05	0.082	59.3	13.3	0.19	0.019	1.33	0.017	0.007	0.048
34	12	13	ABAC 34013	21.4	23.6	0.05	0.05	0.010	1.17	0.78	8.96	0.16	0.002	0.05	0.120	63.0	17.0	0.35	0.039	1.08	0.021	0.073	0.050
34	13	14	ABAC 34014	32.4	30.2	0.03	0.04	0.012	0.99	0.98	10.79	0.20	0.002	0.04	0.064	55.2	9.2	0.11	0.017	0.92	0.018	0.022	0.025
34	14	15	ABAC 34015	29.6	31.2	0.02	0.04	0.010	1.01	0.95	11.34	0.19	0.002	0.04	0.082	53.8	7.8	0.29	0.025	0.73	0.017	0.016	0.021
34	15	16	ABAC 34016	32.6	29.5	0.04	0.04	0.008	1.08	1.11	10.91	0.21	0.003	0.04	0.091	55.1	9.1	0.50	0.029	0.86	0.017	0.014	0.028
34	16	17	ABAC 34017	31.8	29.1	0.03	0.03	0.009	1.11	1.16	10.31	0.24	0.002	0.04	0.060	56.2	10.2	0.22	0.017	0.87	0.015	0.008	0.027
34	17	18	ABAC 34018	30.3	28.5	0.02	0.04	0.009	1.25	1.28	9.84	0.27	0.002	0.03	0.049	57.2	11.2	0.09	0.012	0.99	0.018	0.007	0.028
34	18	19	ABAC 34019	44.0	30.3	0.06	0.05	0.011	1.35	1.92	12.32	0.30	0.003	0.06	0.100	51.8	5.8	1.93	0.027	0.95	0.020	0.008	0.032
34	19	20	ABAC 34020	36.7	29.8	0.05	0.05	0.009	1.11	1.62	11.02	0.30	0.003	0.04	0.090	54.6	8.6	1.00	0.024	0.88	0.017	0.005	0.029
34	20	21	ABAC 34021	41.8	29.3	0.02	0.06	0.009	1.62	1.62	9.84	0.36	0.003	0.05	0.051	55.9	9.9	0.04	0.010	0.98	0.022	0.003	0.036
34	21	22	ABAC 34022	50.8	28.0	0.03	0.09	0.012	1.76	1.91	9.61	0.43	0.005	0.07	0.061	56.3	10.3	0.34	0.012	1.02	0.023	0.004	0.038
34	21	22	Dup 34022.1	51.5	27.7	0.02	0.07	0.010	1.70	1.90	9.61	0.41	0.002	0.05	0.061	56.0	10.0	0.33	0.012	1.02	0.020	0.004	0.039
34	22	23	ABAC 34023	34.0	28.5	0.02	0.07	0.008	1.55	1.79	9.49	0.36	0.004	0.05	0.057	56.9	10.9	0.05	0.012	0.85	0.019	0.003	0.026
34	23	24	ABAC 34024	32.1	28.3	0.03	0.07	0.009	2.03	1.85	9.46	0.36	0.003	0.05	0.060	56.8	10.8	0.05	0.011	0.86	0.019	0.003	0.028
34	24	25	ABAC 34025	23.2	27.3	0.06	0.07	0.010	2.01	1.90	9.12	0.34	0.005	0.05	0.060	57.5	11.5	0.06	0.012	1.01	0.020	0.013	0.030
34	25	26	ABAC 34026	21.8	27.5	0.03	0.06	0.009	1.67	1.92	9.11	0.30	0.005	0.06	0.057	57.4	11.4	0.02	0.013	0.99	0.019	0.007	0.028
34	26	27	ABAC 34027	21.8	27.9	0.04	0.07	0.010	1.54	1.99	9.21	0.33	0.006	0.05	0.057	57.1	11.1	0.02	0.012	1.10	0.019	0.007	0.032
34	27	28	ABAC 34028	21.6	27.3	0.04	0.07	0.010	1.42	2.31	8.86	0.36	0.006	0.07	0.054	57.6	11.6	0.06	0.011	1.26	0.021	0.004	0.033
34	28	29	ABAC 34029	23.1	25.0	0.05	0.07	0.009	2.03	2.51	8.35	0.31	0.005	0.07	0.052	59.9	13.9	0.31	0.010	1.19	0.019	0.004	0.033
34	29	30	ABAC 34030	29.0	26.5	0.05	0.09	0.011	1.43	2.82	8.24	0.43	0.006	0.08	0.059	58.3	12.3	0.04	0.012	1.31	0.021	0.004	0.038
34	30	31	ABAC 34031	30.5	27.4	0.05	0.08	0.008	1.38	2.91	8.69	0.40	0.005	0.07	0.051	57.1	11.1	0.13	0.010	0.95	0.019	0.021	0.028
34	31	32	ABAC 34032	34.5	27.6	0.05	0.08	0.010	1.20	3.00	8.58	0.43	0.004	0.07	0.058	57.1	11.1	0.02	0.010	1.01	0.020	0.008	0.034
34	32	33	ABAC 34033	29.6	27.0	0.07	0.09	0.009	1.22	3.17	8.27	0.37	0.006	0.08	0.057	58.7	12.7	0.02	0.011	0.95	0.019	0.006	0.031
34	33	34	ABAC 34034	24.7	26.2	0.08	0.08	0.009	1.26	3.43	7.93	0.38	0.006	0.08	0.060	59.1	13.1	0.03	0.012	1.32	0.020	0.018	0.034

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
34	34	35	ABAC 34035	25.5	26.0	0.08	0.07	0.009	1.16	3.51	7.80	0.39	0.005	0.07	0.055	59.2	13.2	0.03	0.011	1.33	0.022	0.006	0.033
34	35	36	ABAC 34036	51.5	26.8	0.05	0.11	0.012	1.52	3.09	8.29	0.55	0.007	0.08	0.066	57.4	11.4	0.04	0.012	1.30	0.026	0.016	0.043
34	36	37	ABAC 34037	28.2	24.8	0.07	0.08	0.011	1.50	3.49	7.57	0.42	0.007	0.08	0.059	60.1	14.1	0.04	0.012	1.17	0.021	0.026	0.034
34	37	38	ABAC 34038	25.3	23.3	0.08	0.08	0.012	1.49	3.88	6.96	0.35	0.006	0.08	0.059	62.1	16.1	0.02	0.012	1.07	0.019	0.012	0.030
34	38	39	ABAC 34039	36.2	25.9	0.06	0.11	0.013	1.28	3.20	7.99	0.45	0.005	0.08	0.074	59.4	13.4	0.03	0.014	1.16	0.024	0.009	0.036
34	39	40	ABAC 34040	29.0	24.5	0.08	0.15	0.008	1.08	4.00	7.23	0.40	0.006	0.09	0.051	61.2	15.2	0.04	0.010	0.98	0.021	0.006	0.030
34	40	41	ABAC 34041	25.4	24.2	0.09	0.10	0.010	1.00	3.91	7.25	0.37	0.005	0.08	0.055	61.7	15.7	0.08	0.010	0.98	0.018	0.007	0.031
34	41	42	ABAC 34042	33.2	23.7	0.09	0.08	0.010	1.01	3.79	7.35	0.36	0.005	0.10	0.053	61.7	15.7	0.21	0.010	1.01	0.017	0.015	0.033
35	0	1	ABAC 35001	21.2	15.5	0.03	0.21	0.017	1.49	0.75	11.36	0.15	0.004	0.07	0.078	67.3	21.3	0.21	0.008	1.17	0.014	0.022	0.072
35	1	2	ABAC 35002	36.7	22.9	0.02	0.13	0.010	1.84	0.53	9.65	0.16	0.002	0.10	0.061	61.7	15.7	0.13	0.009	1.40	0.018	0.023	0.063
35	2	3	ABAC 35003	42.7	24.1	0.04	0.25	0.010	2.57	0.41	10.43	0.36	0.006	0.16	0.045	58.9	12.9	0.11	0.010	1.52	0.022	0.010	0.057
35	3	4	ABAC 35004	45.1	26.3	0.02	0.19	0.009	2.52	0.52	11.37	0.34	0.004	0.17	0.061	55.3	9.3	0.11	0.011	1.43	0.022	0.011	0.048
35	4	5	ABAC 35005	33.1	25.4	0.02	0.16	0.010	2.35	0.31	11.11	0.29	0.004	0.17	0.067	57.1	11.1	0.08	0.011	1.51	0.020	0.007	0.057
35	5	6	ABAC 35006	21.7	20.5	0.02	0.12	0.009	1.64	0.43	8.15	0.17	0.002	0.10	0.055	66.0	20.0	0.07	0.009	1.67	0.020	0.007	0.073
35	6	7	ABAC 35007	32.3	29.9	0.02	0.06	0.009	1.18	0.93	10.56	0.22	<0.002	0.06	0.044	55.3	9.3	0.03	0.008	1.02	0.015	0.006	0.029
35	7	8	ABAC 35008	31.1	31.3	0.01	0.04	0.005	0.98	1.13	10.84	0.24	0.002	0.04	0.047	53.8	7.8	0.02	0.009	0.86	0.018	0.003	0.025
35	8	9	ABAC 35009	38.9	31.7	0.02	0.04	0.006	0.98	1.14	10.95	0.23	0.002	0.04	0.051	53.4	7.4	0.05	0.011	0.82	0.017	0.002	0.022
35	9	10	ABAC 35010	52.3	31.1	0.01	0.04	0.007	0.96	1.29	10.58	0.28	<0.002	0.04	0.052	53.8	7.8	0.03	0.009	1.00	0.016	0.005	0.032
35	10	11	ABAC 35011	32.6	30.9	0.02	0.04	0.008	1.06	1.17	10.62	0.25	0.003	0.03	0.060	54.4	8.4	0.07	0.012	0.86	0.016	0.003	0.027
35	11	12	ABAC 35012	28.5	30.4	0.02	0.04	0.008	1.41	1.07	10.57	0.22	0.003	0.05	0.051	54.7	8.7	0.04	0.011	0.96	0.016	0.003	0.027
35	12	13	ABAC 35013	30.6	30.3	<0.01	0.04	0.009	1.09	1.15	10.50	0.25	0.003	0.04	0.053	54.7	8.7	0.03	0.012	1.01	0.017	0.004	0.029
35	13	14	ABAC 35014	27.6	29.7	0.02	0.06	0.008	1.08	0.93	10.57	0.21	0.003	0.05	0.053	55.6	9.6	0.04	0.010	1.01	0.016	0.002	0.028
35	14	15	ABAC 35015	30.0	29.4	0.02	0.05	0.007	1.21	1.10	10.22	0.24	0.003	0.05	0.059	56.2	10.2	0.05	0.012	1.05	0.016	0.003	0.028
35	15	16	ABAC 35016	30.9	29.5	0.03	0.05	0.008	1.08	1.18	10.21	0.25	0.003	0.06	0.054	56.1	10.1	0.04	0.012	1.01	0.015	0.002	0.029
35	16	17	ABAC 35017	27.2	29.1	0.02	0.06	0.010	1.40	0.98	10.37	0.22	0.003	0.05	0.055	55.7	9.7	0.04	0.011	1.01	0.015	0.002	0.027
35	17	18	ABAC 35018	30.3	28.6	0.01	0.05	0.009	2.21	0.99	10.21	0.21	0.002	0.04	0.061	55.7	9.7	0.06	0.012	1.02	0.018	0.002	0.027
35	18	19	ABAC 35019	47.8	28.1	0.02	0.06	0.011	1.21	1.56	9.40	0.35	0.003	0.05	0.058	56.7	10.7	0.03	0.011	1.19	0.019	0.007	0.041

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
35	19	20	ABAC 35020	62.9	28.7	0.02	0.06	0.012	1.16	1.63	9.46	0.37	0.004	0.06	0.058	56.8	10.8	0.03	0.010	1.16	0.023	0.003	0.044
35	20	21	ABAC 35021	76.7	26.5	0.02	0.06	0.013	1.19	1.62	8.70	0.38	0.004	0.05	0.054	59.6	13.6	0.08	0.009	1.14	0.019	0.002	0.045
35			Std 35021.9		23.2	<0.01	0.67	0.015	2.45	0.60	0.82	0.78	0.19	0.94	0.040	63.6	17.6	0.05	0.002	0.06	0.001	0.007	0.004
35	21	22	ABAC 35022	35.9	27.6	0.02	0.06	0.011	2.44	1.23	9.65	0.27	0.003	0.04	0.055	56.6	10.6	0.04	0.009	0.99	0.019	0.022	0.036
35	22	23	ABAC 35023	47.2	28.7	0.02	0.05	0.010	1.29	1.50	9.58	0.34	0.004	0.05	0.045	56.6	10.6	0.03	0.007	0.95	0.017	0.004	0.033
35	23	24	ABAC 35024	40.1	28.6	0.03	0.06	0.010	0.99	1.43	9.65	0.33	0.004	0.04	0.058	56.1	10.1	0.02	0.012	0.90	0.016	0.002	0.033
35	24	25	ABAC 35025	43.5	28.8	0.02	0.07	0.012	1.22	1.75	9.61	0.40	0.003	0.05	0.055	55.3	9.3	0.09	0.009	1.10	0.019	0.004	0.037
35	24	25	Dup 35025.1	44.4	28.6	0.03	0.07	0.014	1.23	1.75	9.42	0.40	0.003	0.06	0.054	56.6	10.6	0.09	0.009	1.10	0.018	0.004	0.036
35	25	26	ABAC 35026	27.7	26.6	0.02	0.05	0.011	1.28	1.65	8.81	0.31	0.005	0.05	0.049	58.9	12.9	0.12	0.009	1.19	0.016	0.008	0.032
35	26	27	ABAC 35027	30.6	26.1	0.02	0.06	0.011	1.12	1.89	8.40	0.33	0.005	0.06	0.053	59.4	13.4	0.03	0.010	1.13	0.018	0.006	0.031
35	27	28	ABAC 35028	29.8	25.7	0.03	0.07	0.010	1.06	2.07	8.22	0.34	0.005	0.06	0.050	59.8	13.8	0.02	0.009	1.15	0.017	0.015	0.029
35	28	29	ABAC 35029	29.5	25.3	0.03	0.07	0.010	1.14	2.33	7.97	0.34	0.005	0.07	0.056	60.0	14.0	0.01	0.010	1.15	0.020	0.008	0.032
35	29	30	ABAC 35030	38.8	26.6	0.05	0.10	0.014	1.46	2.88	8.29	0.51	0.008	0.07	0.061	57.4	11.4	0.02	0.010	1.32	0.024	0.007	0.038
35	30	31	ABAC 35031	2.5	21.5	0.07	0.07	0.010	1.22	3.53	6.64	0.31	0.006	0.08	0.054	64.1	18.1	0.07	0.010	1.45	0.016	0.013	0.065
35	31	32	ABAC 35032	24.1	24.1	0.06	0.08	0.011	1.68	3.62	7.39	0.36	0.007	0.08	0.056	60.1	14.1	0.02	0.011	1.27	0.018	0.009	0.035
35	32	33	ABAC 35033	23.7	25.3	0.08	0.10	0.012	1.74	3.58	7.94	0.37	0.008	0.08	0.061	58.7	12.7	0.06	0.011	0.97	0.018	0.010	0.030
35	33	34	ABAC 35034	54.8	24.9	0.04	0.13	0.010	1.63	2.06	8.41	0.44	0.005	0.07	0.047	60.0	14.0	0.22	0.007	1.07	0.014	0.009	0.041
35	34	35	ABAC 35035	44.8	25.2	0.08	0.13	0.007	0.96	2.35	8.12	0.40	0.003	0.07	0.051	60.8	14.8	0.09	0.006	0.90	0.015	0.006	0.027
35	35	36	ABAC 35036	45.9	23.7	0.08	0.11	0.006	0.84	2.74	7.47	0.37	0.003	0.08	0.045	62.3	16.3	0.06	0.005	0.92	0.017	0.003	0.023
35	36	37	ABAC 35037	45.8	24.1	0.05	0.17	0.007	1.29	2.45	7.76	0.48	0.004	0.11	0.053	61.2	15.2	0.05	0.007	0.88	0.020	0.007	0.028
35	37	38	ABAC 35038	53.7	19.7	0.06	0.38	0.004	1.99	1.79	7.02	0.90	0.007	0.24	0.085	64.9	18.9	0.14	0.028	0.55	0.011	0.029	0.032
35	38	39	ABAC 35039	46.4	21.6	0.05	0.22	0.006	1.52	2.14	7.48	0.57	0.004	0.17	0.072	63.7	17.7	0.12	0.020	0.71	0.016	0.008	0.028
36	0	1	ABAC 36001	13.9	24.8	0.03	0.33	0.022	1.90	0.81	16.64	0.23	0.027	0.12	0.160	53.0	7.0	1.16	0.017	1.01	0.022	0.014	0.034
36	1	2	ABAC 36002	29.2	31.9	0.06	0.10	0.009	1.96	0.71	12.43	0.23	0.003	0.07	0.085	51.3	5.3	0.65	0.020	0.91	0.026	0.009	0.025
36	2	3	ABAC 36003	25.6	30.8	0.03	0.07	0.009	1.62	0.75	11.54	0.18	<0.002	0.05	0.070	53.9	7.9	0.47	0.017	0.94	0.026	0.005	0.026
36	3	4	ABAC 36004	52.7	20.1	0.03	0.06	0.010	7.22	1.20	8.20	0.26	0.009	0.06	0.072	61.5	15.5	0.39	0.012	0.99	0.015	0.026	0.035
36	4	5	ABAC 36005	45.2	23.5	0.03	0.08	0.009	5.70	1.54	8.41	0.35	0.009	0.06	0.083	59.6	13.6	0.05	0.008	0.94	0.014	0.010	0.036

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
36	5	6	ABAC 36006	59.5	21.3	0.05	0.15	0.009	5.10	2.17	7.20	0.54	0.005	0.10	0.081	62.0	16.0	0.03	0.009	0.92	0.016	0.014	0.039
36	6	7	ABAC 36007	68.3	21.5	0.05	0.23	0.009	3.43	2.24	7.04	0.68	0.004	0.15	0.068	63.2	17.2	0.02	0.010	0.87	0.014	0.019	0.035
36	7	8	ABAC 36008	72.8	20.4	0.06	0.26	0.008	4.46	2.28	6.78	0.76	0.004	0.16	0.099	62.4	16.4	0.03	0.014	0.88	0.015	0.019	0.035
36	8	9	ABAC 36009	72.6	19.8	0.05	0.25	0.007	3.70	2.45	6.29	0.82	0.005	0.18	0.081	64.4	18.4	0.02	0.010	0.86	0.015	0.019	0.034
36	9	10	ABAC 36010	75.5	18.4	0.06	0.25	0.007	5.60	2.64	5.96	0.99	0.008	0.19	0.088	64.5	18.5	0.03	0.008	0.81	0.017	0.032	0.032
36	10	11	ABAC 36011	70.9	19.1	0.05	0.24	0.008	4.51	2.68	6.16	1.03	0.011	0.20	0.074	64.4	18.4	0.05	0.008	0.84	0.015	0.032	0.036
36	11	12	ABAC 36012	61.4	19.3	0.05	0.21	0.008	4.67	2.60	7.29	1.05	0.009	0.33	0.079	62.8	16.8	0.08	0.008	0.81	0.014	0.034	0.034
36	12	13	ABAC 36013	58.8	20.8	0.06	0.13	0.007	3.93	2.61	6.63	1.09	0.008	0.31	0.073	62.8	16.8	0.02	0.008	0.85	0.015	0.043	0.037
36	13	14	ABAC 36014	53.9	20.9	0.04	0.22	0.009	3.71	2.54	6.77	0.93	0.007	0.25	0.081	62.1	16.1	0.02	0.007	0.86	0.014	0.032	0.037
36	14	15	ABAC 36015	42.6	21.9	0.06	0.26	0.010	5.42	2.51	7.31	0.65	0.009	0.16	0.076	60.5	14.5	0.03	0.006	0.83	0.015	0.025	0.037
36	15	16	ABAC 36016	35.3	24.4	0.10	0.16	0.009	3.51	3.00	7.70	0.60	0.005	0.13	0.051	59.0	13.0	0.04	0.007	0.95	0.017	0.022	0.038
36	16	17	ABAC 36017	32.4	24.9	0.11	0.09	0.008	1.54	3.18	9.13	0.45	0.003	0.26	0.049	58.6	12.6	0.15	0.008	1.05	0.014	0.011	0.033
36	17	18	ABAC 36018	29.9	25.3	0.11	0.07	0.009	1.39	3.31	8.96	0.43	0.004	0.20	0.059	58.9	12.9	0.20	0.009	1.13	0.015	0.009	0.034
36	18	19	ABAC 36019	28.4	25.6	0.10	0.09	0.007	1.32	3.38	7.94	0.42	0.003	0.09	0.055	59.2	13.2	0.20	0.010	1.05	0.015	0.019	0.031
36	18	19	Dup 36019.1	27.3	25.6	0.10	0.07	0.007	1.30	3.34	8.67	0.41	0.003	0.17	0.056	58.9	12.9	0.24	0.010	1.04	0.017	0.019	0.032
36	19	20	ABAC 36020	29.0	25.5	0.09	0.08	0.009	1.34	3.27	8.01	0.39	0.003	0.08	0.047	59.6	13.6	0.23	0.009	0.90	0.016	0.010	0.026
36	20	21	ABAC 36021	26.6	26.7	0.08	0.08	0.009	1.06	2.78	8.47	0.35	0.003	0.13	0.048	59.0	13.0	0.12	0.009	0.86	0.017	0.006	0.026
36	21	22	ABAC 36022	23.4	27.0	0.04	0.07	0.008	1.05	2.29	8.89	0.34	0.003	0.11	0.052	58.7	12.7	0.17	0.011	0.89	0.021	0.037	0.025
36	22	23	ABAC 36023	19.9	26.4	0.03	0.07	0.008	1.88	1.76	8.91	0.29	0.003	0.09	0.053	59.2	13.2	0.06	0.011	0.79	0.025	0.020	0.023
36	23	24	ABAC 36024	19.5	27.0	0.02	0.06	0.010	1.53	1.48	9.10	0.26	0.004	0.08	0.054	59.0	13.0	0.03	0.011	0.71	0.019	0.016	0.020
36	24	25	ABAC 36025	53.9	26.6	0.03	0.10	0.010	1.07	2.12	8.44	0.49	0.004	0.06	0.055	59.7	13.7	0.02	0.008	1.07	0.018	0.015	0.041
36	25	26	ABAC 36026	41.2	26.6	0.03	0.07	0.011	1.81	1.94	8.67	0.40	0.002	0.05	0.056	58.2	12.2	0.03	0.010	1.03	0.021	0.016	0.039
36	26	27	ABAC 36027	46.1	26.2	0.04	0.09	0.012	1.37	2.30	8.38	0.48	0.005	0.07	0.060	59.5	13.5	0.08	0.010	1.09	0.020	0.011	0.041
36	27	28	ABAC 36028	18.1	25.7	0.06	0.07	0.010	1.44	2.13	8.42	0.26	0.003	0.06	0.066	60.6	14.6	0.11	0.016	0.68	0.014	0.016	0.021
36	28	29	ABAC 36029	26.2	25.8	0.07	0.09	0.010	1.43	2.61	8.14	0.34	0.003	0.07	0.055	59.9	13.9	0.08	0.013	1.04	0.017	0.005	0.032
36	29	30	ABAC 36030	21.6	25.6	0.05	0.07	0.009	1.60	2.59	8.23	0.35	0.003	0.07	0.058	60.0	14.0	0.12	0.014	0.80	0.017	0.007	0.025
36	30	31	ABAC 36031	19.5	26.8	0.06	0.08	0.009	1.90	2.38	8.79	0.32	0.003	0.07	0.048	58.3	12.3	0.10	0.011	0.74	0.017	0.011	0.022
36	31	32	ABAC 36032	16.1	23.8	0.08	0.07	0.011	2.97	2.20	7.92	0.23	0.005	0.06	0.078	62.0	16.0	0.04	0.020	0.66	0.017	0.014	0.026

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
36	32	33	ABAC 36033	55.2	24.3	0.06	0.12	0.010	1.47	2.88	7.91	0.60	0.005	0.09	0.054	61.2	15.2	0.08	0.011	1.06	0.018	0.015	0.038
36	33	34	ABAC 36034	43.0	23.6	0.08	0.13	0.010	1.58	3.20	7.73	0.59	0.006	0.13	0.056	61.5	15.5	0.06	0.011	0.95	0.018	0.018	0.033
36	34	35	ABAC 36035	46.7	23.6	0.06	0.15	0.011	1.90	3.14	8.54	0.71	0.006	0.13	0.057	59.6	13.6	0.08	0.010	1.01	0.016	0.040	0.037
36	35	36	ABAC 36036	22.5	19.6	0.08	0.09	0.008	2.15	2.95	6.19	0.37	0.004	0.27	0.046	66.8	20.8	0.32	0.008	0.65	0.012	0.032	0.027
36	36	37	ABAC 36037	15.4	21.8	0.10	0.10	0.011	1.50	3.45	6.50	0.39	0.005	0.40	0.042	64.5	18.5	0.26	0.010	0.64	0.014	0.031	0.019
36			Std 36037.9		23.2	<0.01	0.65	0.016	2.46	0.60	0.70	0.78	0.19	0.93	0.041	63.8	17.8	0.04	0.002	0.06	0.004	0.007	0.002
36	37	38	ABAC 36038	14.1	21.5	0.08	0.10	0.011	1.90	3.28	6.63	0.41	0.006	0.39	0.038	64.1	18.1	0.35	0.009	0.68	0.012	0.041	0.023
36	38	39	ABAC 36039	15.3	22.1	0.09	0.12	0.012	1.79	3.39	6.46	0.52	0.009	0.44	0.049	63.9	17.9	0.11	0.010	0.91	0.016	0.032	0.033
37	0	1	ABAC 37001	39.8	27.6	0.09	0.11	0.010	1.63	1.72	17.45	0.17	0.004	0.49	0.160	47.8	1.8	6.00	0.041	1.23	0.021	0.018	0.038
37	1	2	ABAC 37002	46.8	20.7	0.06	0.06	0.007	1.03	1.96	13.48	0.22	0.003	0.52	0.150	59.7	13.7	6.10	0.046	1.09	0.014	0.008	0.041
37	2	3	ABAC 37003	36.6	25.7	0.03	0.05	0.006	1.00	1.02	9.40	0.21	0.003	0.07	0.063	60.1	14.1	0.30	0.011	1.01	0.013	0.006	0.035
37	3	4	ABAC 37004	48.9	23.0	0.03	0.06	0.010	5.71	1.14	8.95	0.25	0.027	0.06	0.076	58.3	12.3	0.22	0.009	1.07	0.023	0.007	0.047
37	4	5	ABAC 37005	67.0	21.7	0.02	0.06	0.010	7.93	1.20	8.53	0.27	0.037	0.06	0.092	58.3	12.3	0.12	0.009	1.00	0.020	0.006	0.046
37	5	6	ABAC 37006	62.6	20.2	0.02	0.07	0.011	10.50	1.27	8.42	0.30	0.028	0.05	0.110	56.7	10.7	0.20	0.010	0.94	0.019	0.005	0.043
37	6	7	ABAC 37007	75.5	22.1	0.03	0.08	0.007	3.98	1.49	7.85	0.38	0.006	0.07	0.086	61.3	15.3	0.06	0.008	0.91	0.017	0.009	0.038
37	7	8	ABAC 37008	69.5	22.9	0.05	0.11	0.007	2.13	1.55	7.86	0.40	0.003	0.06	0.100	62.5	16.5	0.11	0.013	0.88	0.017	0.004	0.037
37	8	9	ABAC 37009	66.0	23.7	0.03	0.14	0.007	2.34	1.64	8.03	0.47	0.003	0.10	0.099	61.3	15.3	0.17	0.010	0.84	0.015	0.005	0.036
37	9	10	ABAC 37010	57.4	24.2	0.03	0.16	0.004	3.07	1.67	8.34	0.50	0.004	0.09	0.150	59.0	13.0	0.10	0.008	0.76	0.015	0.011	0.034
37	10	11	ABAC 37011	42.0	23.5	0.05	0.13	0.007	7.02	1.85	8.48	0.51	0.011	0.08	0.160	56.2	10.2	0.08	0.007	0.69	0.016	0.013	0.030
37	11	12	ABAC 37012	46.6	23.7	0.04	0.14	0.009	6.74	1.95	8.37	0.54	0.008	0.08	0.110	56.1	10.1	0.08	0.008	0.79	0.017	0.011	0.033
37	12	13	ABAC 37013	46.9	25.3	0.04	0.12	0.006	3.03	1.99	8.42	0.52	0.004	0.10	0.069	57.9	11.9	0.06	0.007	0.90	0.017	0.017	0.038
37	13	14	ABAC 37014	48.7	25.8	0.08	0.11	0.010	3.21	2.05	8.66	0.47	0.005	0.07	0.071	57.0	11.0	0.07	0.008	1.00	0.021	0.014	0.040
37	14	15	ABAC 37015	39.1	27.2	0.03	0.08	0.009	1.32	2.04	8.98	0.41	0.003	0.08	0.045	57.5	11.5	0.08	0.008	1.09	0.018	0.004	0.039
37	15	16	ABAC 37016	31.5	27.9	0.03	0.07	0.007	1.09	1.84	9.28	0.36	0.004	0.05	0.042	57.3	11.3	0.05	0.008	0.87	0.018	0.004	0.028
37	16	17	ABAC 37017	28.8	28.3	0.02	0.06	0.008	1.01	1.60	9.44	0.31	0.004	0.05	0.048	57.7	11.7	0.04	0.009	0.72	0.017	0.003	0.021
37	17	18	ABAC 37018	28.1	27.9	0.01	0.05	0.009	0.96	1.47	9.36	0.30	0.002	0.04	0.047	57.5	11.5	0.03	0.008	1.08	0.021	0.003	0.030
37	18	19	ABAC 37019	25.9	28.4	0.02	0.05	0.011	0.88	1.26	9.58	0.26	0.002	0.03	0.047	57.3	11.3	0.02	0.009	0.95	0.020	0.013	0.027

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
37	19	20	ABAC 37020	24.6	28.2	0.02	0.04	0.010	0.82	1.16	9.54	0.25	0.003	0.03	0.050	58.0	12.0	0.02	0.009	0.93	0.020	0.004	0.027
37	20	21	ABAC 37021	26.4	29.0	0.01	0.05	0.010	0.80	1.23	9.72	0.26	0.003	0.03	0.052	56.9	10.9	0.02	0.010	1.11	0.026	0.003	0.031
37			Std 37021.9		23.2	<0.01	0.65	0.016	2.45	0.61	0.75	0.79	0.19	0.95	0.038	63.6	17.6	0.05	0.002	0.06	0.004	0.007	0.005
37	21	22	ABAC 37022	23.0	27.7	0.02	0.06	0.011	0.87	1.08	9.42	0.23	0.004	0.03	0.038	58.3	12.3	0.03	0.009	0.84	0.022	0.020	0.027
37	22	23	ABAC 37023	59.1	26.8	0.02	0.07	0.011	1.15	1.67	8.80	0.37	0.003	0.05	0.057	58.8	12.8	0.03	0.010	1.14	0.025	0.014	0.045
37	23	24	ABAC 37024	66.1	25.8	0.02	0.07	0.011	0.86	1.61	8.41	0.38	0.003	0.06	0.055	60.2	14.2	0.03	0.007	1.07	0.019	0.008	0.043
37	24	25	ABAC 37025	47.2	27.2	0.03	0.08	0.012	1.19	1.75	8.98	0.38	0.003	0.05	0.052	57.9	11.9	0.03	0.008	1.05	0.025	0.028	0.041
37	25	26	ABAC 37026	33.5	26.7	0.03	0.07	0.009	1.71	1.84	8.72	0.33	0.003	0.05	0.044	58.4	12.4	0.03	0.007	0.83	0.022	0.010	0.027
37	26	27	ABAC 37027	28.1	26.0	0.04	0.07	0.010	1.19	2.00	8.41	0.32	0.004	0.06	0.047	59.8	13.8	0.06	0.011	1.05	0.018	0.010	0.034
37	27	28	ABAC 37028	27.6	25.1	0.04	0.07	0.011	1.04	2.12	8.02	0.31	0.004	0.07	0.039	61.0	15.0	0.03	0.009	0.87	0.018	0.019	0.027
37	28	29	ABAC 37029	24.1	23.8	0.04	0.07	0.012	1.24	2.08	7.59	0.28	0.004	0.08	0.049	62.6	16.6	0.03	0.010	0.89	0.019	0.020	0.032
37	29	30	ABAC 37030	26.7	25.0	0.05	0.07	0.010	1.93	2.22	7.97	0.33	0.005	0.07	0.043	60.3	14.3	0.03	0.009	0.90	0.019	0.016	0.032
37	30	31	ABAC 37031	43.6	25.8	0.07	0.08	0.008	1.66	2.59	8.20	0.42	0.004	0.08	0.043	59.5	13.5	0.05	0.008	0.91	0.020	0.034	0.033
37	31	32	ABAC 37032	64.3	24.7	0.06	0.08	0.010	1.45	2.71	7.78	0.55	0.005	0.11	0.054	60.3	14.3	0.03	0.009	1.06	0.022	0.024	0.040
37	32	33	ABAC 37033	51.0	25.3	0.07	0.11	0.007	1.31	3.05	7.96	0.50	0.003	0.10	0.073	59.2	13.2	0.03	0.014	1.02	0.019	0.014	0.036
37	33	34	ABAC 37034	43.2	24.9	0.07	0.08	0.010	1.63	3.09	7.90	0.48	0.004	0.11	0.074	59.6	13.6	0.08	0.014	1.04	0.021	0.059	0.038
37	34	35	ABAC 37035	20.6	21.8	0.10	0.08	0.009	1.65	3.46	6.77	0.37	0.006	0.09	0.052	63.6	17.6	0.05	0.013	0.86	0.017	0.038	0.028
37	34	35	Dup 37035.1	20.5	21.8	0.10	0.09	0.010	1.68	3.49	6.74	0.36	0.008	0.09	0.052	63.8	17.8	0.05	0.012	0.85	0.016	0.036	0.028
37	35	36	ABAC 37036	24.4	20.5	0.11	0.07	0.009	1.67	3.75	6.20	0.37	0.006	0.10	0.051	65.5	19.5	0.08	0.012	0.82	0.017	0.040	0.028
37	36	37	ABAC 37037	34.5	24.1	0.08	0.11	0.010	1.52	3.56	7.31	0.52	0.004	0.10	0.065	60.5	14.5	0.07	0.010	1.09	0.022	0.035	0.039
37	37	38	ABAC 37038	21.7	21.9	0.12	0.08	0.008	1.13	3.90	6.65	0.40	0.004	0.10	0.055	63.1	17.1	0.28	0.010	0.90	0.016	0.018	0.028
37	38	39	ABAC 37039	19.3	20.6	0.13	0.07	0.008	1.13	3.85	6.43	0.33	0.004	0.09	0.046	65.5	19.5	0.33	0.009	0.85	0.016	0.017	0.027

38	0	1	ABAC 38001	33.7	29.5	0.03	0.08	0.012	2.24	0.70	11.67	0.20	0.003	0.09	0.068	53.3	7.3	0.37	0.017	0.96	0.021	0.010	0.031
38	1	2	ABAC 38002	41.9	27.5	0.02	0.06	0.014	2.54	0.94	11.17	0.18	0.002	0.08	0.066	55.4	9.4	1.09	0.017	1.08	0.019	0.006	0.038
38	2	3	ABAC 38003	66.6	23.1	0.03	0.04	0.008	1.60	1.82	11.65	0.21	0.003	0.12	0.090	59.4	13.4	3.50	0.033	1.24	0.015	0.004	0.050
38	3	4	ABAC 38004	54.4	22.7	0.03	0.04	0.008	2.06	1.80	11.24	0.20	0.007	0.10	0.086	60.0	14.0	3.13	0.024	0.92	0.014	0.008	0.035
38	4	5	ABAC 38005	45.0	25.1	0.02	0.04	0.008	4.07	1.00	9.41	0.22	0.015	0.05	0.055	58.4	12.4	0.13	0.007	0.86	0.016	0.003	0.037

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
38	5	6	ABAC 38006	61.2	22.4	0.02	0.06	0.011	6.27	1.38	8.31	0.33	0.017	0.05	0.087	59.4	13.4	0.07	0.007	1.00	0.019	0.005	0.046
38	6	7	ABAC 38007	71.7	23.3	0.03	0.09	0.008	3.42	1.65	8.02	0.42	0.006	0.07	0.073	61.2	15.2	0.04	0.006	0.94	0.019	0.012	0.041
38	7	8	ABAC 38008	76.9	22.0	0.03	0.11	0.007	2.68	1.76	7.46	0.51	0.004	0.08	0.068	63.4	17.4	0.03	0.006	0.88	0.018	0.007	0.040
38	8	9	ABAC 38009	76.1	21.9	0.04	0.17	0.007	2.81	1.86	7.42	0.64	0.004	0.10	0.090	62.8	16.8	0.03	0.007	0.87	0.016	0.009	0.039
38	9	10	ABAC 38010	63.9	22.1	0.05	0.13	0.009	2.88	2.00	7.33	0.79	0.004	0.19	0.091	61.8	15.8	0.03	0.007	0.82	0.015	0.016	0.038
38	10	11	ABAC 38011	55.9	21.9	0.04	0.14	0.007	3.95	2.18	7.26	0.94	0.005	0.22	0.091	60.1	14.1	0.02	0.006	0.76	0.015	0.024	0.033
38	11	12	ABAC 38012	49.4	22.4	0.05	0.16	0.006	6.29	2.25	7.83	0.72	0.006	0.22	0.082	56.6	10.6	0.04	0.006	0.71	0.014	0.019	0.031
38			Std 38012.9		23.3	<0.01	0.65	0.014	2.44	0.60	0.66	0.78	0.19	0.94	0.041	63.8	17.8	0.05	0.002	0.05	0.004	0.007	0.006
38	12	13	ABAC 38013	41.7	22.3	0.07	0.15	0.007	7.92	2.59	7.93	0.61	0.01	0.12	0.110	56.0	10.0	0.03	0.006	0.78	0.017	0.033	0.031
38	13	14	ABAC 38014	41.5	21.3	0.06	0.21	0.006	7.34	2.54	12.22	0.53	0.019	0.45	0.680	52.0	6.0	0.17	0.006	0.84	0.015	0.021	0.029
38	14	15	ABAC 38015	39.2	22.6	0.07	0.10	0.007	8.27	2.64	8.11	0.54	0.019	0.09	0.140	55.2	9.2	0.03	0.006	0.84	0.015	0.021	0.032
38	15	16	ABAC 38016	44.0	24.7	0.05	0.10	0.005	4.61	2.46	8.25	0.58	0.009	0.08	0.093	56.8	10.8	0.03	0.006	0.97	0.018	0.018	0.036
38	16	17	ABAC 38017	55.9	26.4	0.03	0.07	0.009	1.73	2.21	8.51	0.56	0.004	0.08	0.071	57.6	11.6	0.02	0.006	1.07	0.021	0.011	0.040
38	17	18	ABAC 38018	34.6	27.5	0.03	0.07	0.008	1.25	2.00	8.99	0.39	0.004	0.06	0.049	57.5	11.5	0.02	0.007	1.07	0.019	0.008	0.032
38	18	19	ABAC 38019	27.5	26.8	0.02	0.05	0.011	0.95	1.51	8.95	0.31	0.003	0.04	0.044	59.2	13.2	0.02	0.006	0.99	0.018	0.007	0.028
38	19	20	ABAC 38020	23.7	27.7	0.02	0.04	0.010	0.84	1.17	9.36	0.25	0.003	0.03	0.048	59.1	13.1	0.02	0.007	0.98	0.021	0.004	0.029
38	20	21	ABAC 38021	21.0	25.7	0.01	0.24	0.020	0.75	0.99	11.36	0.22	0.006	0.10	0.530	58.0	12.0	0.11	0.009	0.87	0.018	0.002	0.059
38	21	22	ABAC 38022	24.5	28.9	0.02	0.04	0.008	0.71	1.15	9.86	0.23	0.002	0.02	0.060	57.5	11.5	0.07	0.011	0.92	0.022	0.011	0.025
38	22	23	ABAC 38023	26.1	26.7	0.02	0.20	0.011	0.62	1.08	11.38	0.24	0.002	0.11	0.610	56.9	10.9	0.06	0.012	0.90	0.021	0.004	0.025
38	23	24	ABAC 38024	25.8	29.6	0.02	0.04	0.008	0.65	1.21	10.19	0.24	0.002	0.03	0.088	56.2	10.2	0.16	0.019	0.89	0.022	0.004	0.025
38	24	25	ABAC 38025	35.8	28.5	0.02	0.05	0.011	0.95	1.40	9.59	0.30	0.003	0.03	0.100	57.0	11.0	0.05	0.018	1.03	0.025	0.026	0.036
38	25	26	ABAC 38026	63.2	27.8	0.02	0.05	0.010	1.10	1.57	9.09	0.34	0.002	0.04	0.063	58.7	12.7	0.03	0.008	1.11	0.020	0.009	0.043
38	26	27	ABAC 38027																				
38	27	28	ABAC 38028	16.2	27.6	0.01	0.05	0.009	0.90	1.13	12.72	0.23	0.003	0.11	0.160	55.7	9.7	0.11	0.008	0.74	0.019	0.022	0.021
38	28	29	ABAC 38029	30.7	28.1	0.02	0.05	0.010	0.96	1.39	9.41	0.31	0.004	0.03	0.049	57.7	11.7	0.02	0.009	0.99	0.021	0.011	0.030
38	29	30	ABAC 38030	29.9	27.7	0.02	0.06	0.012	1.03	1.48	9.22	0.30	<0.002	0.03	0.046	58.2	12.2	0.05	0.007	0.95	0.019	0.009	0.029
38	30	31	ABAC 38031	29.5	26.2	0.03	0.06	0.010	1.28	1.67	8.77	0.31	0.004	0.05	0.051	59.8	13.8	0.06	0.008	0.85	0.020	0.044	0.028
38	31	32	ABAC 38032	31.8	26.8	0.04	0.08	0.010	1.11	2.04	8.79	0.33	0.003	0.06	0.060	58.9	12.9	0.13	0.011	0.97	0.021	0.017	0.030
38	31	32	Dup 38032.1	32.0	26.7	0.03	0.07	0.010	1.12	2.06	8.80	0.33	0.004	0.06	0.056	59.0	13.0	0.12	0.011	0.97	0.021	0.017	0.031
38	32	33	ABAC 38033	28.5	24.9	0.05	0.08	0.011	1.34	2.41	8.23	0.33	0.003	0.07	0.054	60.0	14.0	0.22	0.010	0.97	0.019	0.019	0.031
38	33	34	ABAC 38034	32.6	26.2	0.06	0.09	0.010	1.28	2.73	8.22	0.40	0.004	0.07	0.067	59.1	13.1	0.03	0.009	0.89	0.020	0.030	0.032
38	34	35	ABAC 38035	41.7	26.7	0.06	0.10	0.010	1.53	2.98	8.23	0.49	0.004	0.08	0.068	57.4	11.4	0.04	0.009	1.09	0.023	0.012	0.039

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
38	35	36	ABAC 38036	48.8	25.7	0.09	0.09	0.009	1.09	3.32	7.85	0.39	0.003	0.08	0.052	59.0	13.0	0.06	0.009	0.96	0.018	0.009	0.031
38	36	37	ABAC 38037	35.7	25.6	0.08	0.09	0.010	1.34	3.48	7.70	0.42	0.004	0.08	0.054	59.1	13.1	0.02	0.010	0.99	0.017	0.019	0.032
38	37	38	ABAC 38038	32.6	25.5	0.10	0.09	0.009	1.10	3.65	7.59	0.38	0.005	0.09	0.048	59.4	13.4	0.03	0.010	0.89	0.018	0.008	0.027
38	38	39	ABAC 38039	28.0	24.8	0.11	0.08	0.009	1.11	3.74	7.34	0.36	0.004	0.09	0.044	60.6	14.6	0.02	0.009	0.93	0.018	0.009	0.027
38	39	40	ABAC 38040	26.2	25.0	0.11	0.07	0.010	1.17	3.76	7.38	0.35	0.004	0.08	0.044	60.3	14.3	0.03	0.009	1.01	0.018	0.011	0.029
38	40	41	ABAC 38041	27.6	24.8	0.09	0.09	0.008	1.07	3.70	7.36	0.38	0.004	0.08	0.056	60.2	14.2	0.02	0.010	1.09	0.021	0.010	0.034
38	41	42	ABAC 38042	24.7	23.6	0.09	0.08	0.012	1.06	3.48	7.04	0.31	0.004	0.08	0.049	62.5	16.5	0.03	0.010	1.00	0.017	0.009	0.030
38	42	43	ABAC 38043	25.3	22.7	0.07	0.06	0.010	1.27	3.30	6.97	0.30	0.005	0.08	0.049	63.3	17.3	0.06	0.010	1.02	0.015	0.100	0.032
38	43	44	ABAC 38044	25.2	22.9	0.07	0.07	0.010	1.18	3.18	7.02	0.30	0.005	0.07	0.048	63.2	17.2	0.03	0.010	1.04	0.016	0.016	0.031
38	44	45	ABAC 38045	30.3	25.4	0.06	0.09	0.012	1.26	3.10	7.78	0.42	0.005	0.07	0.056	59.5	13.5	0.05	0.010	1.27	0.022	0.012	0.040
38	45	46	ABAC 38046	23.0	24.2	0.06	0.07	0.010	1.18	2.85	7.74	0.32	0.003	0.07	0.045	61.5	15.5	0.28	0.009	1.03	0.017	0.036	0.030
38	46	47	ABAC 38047	26.1	26.5	0.05	0.08	0.008	0.99	2.90	8.36	0.36	0.004	0.07	0.048	58.7	12.7	0.16	0.009	0.94	0.019	0.015	0.030
38	47	48	ABAC 38048	29.2	26.3	0.06	0.07	0.008	0.99	3.03	8.52	0.38	0.003	0.07	0.047	58.8	12.8	0.16	0.009	0.98	0.020	0.015	0.027
38	48	49	ABAC 38049	34.6	27.2	0.07	0.08	0.009	1.02	2.96	8.54	0.42	0.003	0.07	0.051	57.7	11.7	0.14	0.009	0.95	0.020	0.038	0.033
38	49	50	ABAC 38050	32.1	26.9	0.05	0.08	0.009	1.03	2.92	8.53	0.39	0.004	0.07	0.055	58.3	12.3	0.23	0.009	0.96	0.021	0.023	0.033
38	50	51	ABAC 38051	29.8	25.5	0.06	0.08	0.008	0.96	2.94	7.96	0.37	0.005	0.09	0.045	60.4	14.4	0.20	0.011	0.92	0.021	0.020	0.031
39	0	1	ABAC 39001	48.3	25.4	0.06	0.10	0.011	2.47	1.97	9.10	0.29	0.003	0.10	0.042	58.8	12.8	0.17	0.008	0.96	0.021	0.073	0.031
39	1	2	ABAC 39002	50.3	25.5	0.06	0.13	0.017	6.00	0.45	10.17	0.26	0.007	0.10	0.035	55.4	9.4	0.10	0.007	1.32	0.036	0.021	0.041
39	2	3	ABAC 39003	45.0	26.3	0.06	0.11	0.016	3.96	0.47	10.28	0.21	0.006	0.09	0.042	56.8	10.8	0.30	0.010	1.31	0.027	0.008	0.041
39	3	4	ABAC 39004	39.1	27.1	0.03	0.06	0.044	3.33	1.13	11.11	0.17	0.003	0.09	0.075	55.6	9.6	1.30	0.021	0.99	0.040	0.075	0.036
39	4	5	ABAC 39005	60.6	21.2	0.04	0.06	0.017	3.65	1.86	11.03	0.22	0.005	0.14	0.085	60.0	14.0	3.49	0.027	1.21	0.025	0.007	0.048
39	5	6	ABAC 39006	59.9	21.9	0.04	0.05	0.011	3.30	1.65	10.38	0.22	0.009	0.10	0.081	60.9	14.9	2.62	0.019	0.96	0.020	0.004	0.038
39	6	7	ABAC 39007	47.6	25.3	0.02	0.06	0.011	4.74	1.07	9.40	0.25	0.013	0.05	0.079	58.2	12.2	0.20	0.007	0.93	0.019	0.041	0.043
39	7	8	ABAC 39008	66.6	22.7	0.03	0.08	0.011	6.73	1.43	8.33	0.35	0.022	0.06	0.110	59.0	13.0	0.07	0.007	1.00	0.021	0.007	0.045
39	8	9	ABAC 39009	79.3	23.0	0.03	0.11	0.009	3.59	1.61	7.87	0.43	0.007	0.07	0.081	62.1	16.1	0.04	0.005	0.92	0.019	0.005	0.043
39	9	10	ABAC 39010	71.2	22.6	0.03	0.13	0.008	3.21	1.73	7.67	0.51	0.005	0.08	0.086	62.5	16.5	0.05	0.006	0.89	0.018	0.011	0.038
39	10	11	ABAC 39011	54.6	23.1	0.05	0.14	0.009	2.63	1.87	7.70	0.62	0.004	0.14	0.100	60.7	14.7	0.03	0.008	0.81	0.017	0.010	0.037
39	11	12	ABAC 39012	49.6	22.6	0.08	0.23	0.008	4.38	2.05	7.54	0.78	0.007	0.15	0.100	60.3	14.3	0.03	0.010	0.75	0.017	0.018	0.033
39	12	13	ABAC 39013	50.0	22.7	0.05	0.14	0.009	5.67	2.16	7.71	0.73	0.008	0.15	0.090	58.6	12.6	0.04	0.006	0.81	0.016	0.044	0.037
39	13	14	ABAC 39014	45.3	24.3	0.05	0.17	0.007	5.46	2.18	8.17	0.54	0.005	0.10	0.086	58.3	12.3	0.03	0.006	0.75	0.015	0.015	0.032
39	14	15	ABAC 39015	36.8	22.2	0.07	0.13	0.009	11.10	2.56	8.19	0.53	0.024	0.09	0.150	53.4	7.4	0.06	0.006	0.88	0.015	0.017	0.036

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
39	15	16	ABAC 39016	38.2	23.9	0.09	0.11	0.010	5.21	2.73	7.93	0.52	0.011	0.09	0.084	57.8	11.8	0.06	0.007	1.08	0.017	0.012	0.044
39	16	17	ABAC 39017	35.3	24.0	0.06	0.12	0.008	6.91	2.51	8.35	0.51	0.014	0.07	0.120	55.5	9.5	0.03	0.007	1.02	0.019	0.012	0.036
39	17	18	ABAC 39018	41.4	25.7	0.09	0.12	0.010	2.25	2.45	8.24	0.50	0.005	0.08	0.058	58.8	12.8	0.04	0.010	1.03	0.016	0.007	0.037
39	18	19	ABAC 39019	42.0	26.8	0.04	0.09	0.011	1.26	2.11	8.67	0.42	0.004	0.06	0.066	58.7	12.7	0.02	0.011	1.13	0.018	0.021	0.044
39	19	20	ABAC 39020	40.0	26.9	0.02	0.09	0.011	1.32	1.88	8.81	0.40	0.004	0.05	0.052	58.9	12.9	0.04	0.006	1.09	0.021	0.011	0.037
39	20	21	ABAC 39021	34.7	28.2	0.02	0.07	0.009	0.95	1.52	9.36	0.33	0.004	0.04	0.047	58.4	12.4	0.02	0.005	0.87	0.021	0.006	0.030
39	21	22	ABAC 39022	33.5	27.7	0.02	0.06	0.007	0.94	1.23	9.39	0.27	0.004	0.04	0.048	58.9	12.9	0.02	0.008	0.88	0.020	0.032	0.032
39	22	23	ABAC 39023	26.8	26.2	0.02	0.05	0.010	0.85	1.01	8.97	0.21	0.004	0.03	0.059	61.2	15.2	0.03	0.012	0.87	0.018	0.021	0.027
39	23	24	ABAC 39024	29.9	26.1	0.02	0.04	0.010	0.79	1.04	8.86	0.23	0.003	0.03	0.065	61.3	15.3	0.03	0.015	0.88	0.020	0.010	0.029
39	24	25	ABAC 39025	28.6	28.9	0.03	0.04	0.010	0.96	1.20	9.87	0.26	0.003	0.04	0.080	56.7	10.7	0.03	0.017	0.96	0.022	0.045	0.030
39	25	26	ABAC 39026	26.6	25.7	0.02	0.05	0.011	1.04	0.98	8.77	0.22	0.005	0.03	0.086	62.3	16.3	0.04	0.020	0.84	0.021	0.027	0.029
39	26	27	ABAC 39027	39.3	27.2	0.04	0.06	0.015	2.14	1.40	9.16	0.31	0.005	0.04	0.160	58.3	12.3	0.08	0.039	1.11	0.033	0.023	0.045
39	27	28	ABAC 39028	57.2	27.9	0.03	0.06	0.013	1.00	1.55	9.27	0.34	0.003	0.04	0.077	58.0	12.0	0.04	0.016	1.18	0.020	0.025	0.046
39	28	29	ABAC 39029	26.7	26.1	0.02	0.05	0.010	0.78	0.97	8.91	0.21	0.003	0.04	0.064	61.9	15.9	0.03	0.013	0.86	0.016	0.009	0.029
39	29	30	ABAC 39030	26.0	26.5	<0.01	0.05	0.009	0.79	1.12	8.91	0.24	0.004	0.04	0.051	61.2	15.2	0.02	0.009	0.93	0.019	0.007	0.026
39			Std 39030.9		23.3	<0.01	0.66	0.017	2.46	0.60	0.77	0.79	0.19	0.96	0.042	64.2	18.2	0.05	0.002	0.06	0.003	0.007	0.005
39	30	31	ABAC 39031	34.3	23.9	0.02	0.06	0.010	0.82	1.21	8.01	0.27	0.003	0.04	0.046	64.3	18.3	0.03	0.008	0.86	0.019	0.012	0.029
39	31	32	ABAC 39032	34.6	26.8	0.04	0.07	0.009	0.81	1.42	8.93	0.31	0.003	0.05	0.048	60.4	14.4	0.03	0.008	0.97	0.021	0.005	0.033
39	32	33	ABAC 39033	35.2	25.5	0.02	0.07	0.008	0.85	1.54	8.43	0.31	0.004	0.05	0.046	62.1	16.1	0.02	0.008	0.84	0.020	0.006	0.028
39	33	34	ABAC 39034	33.2	25.7	0.03	0.07	0.008	0.86	1.72	8.47	0.33	0.003	0.05	0.052	61.2	15.2	0.03	0.009	0.91	0.016	0.011	0.029
39	34	35	ABAC 39035	44.1	25.4	0.03	0.09	0.009	1.32	1.81	8.36	0.33	0.004	0.07	0.056	61.0	15.0	0.04	0.007	0.94	0.020	0.060	0.041
39	35	36	ABAC 39036	42.4	26.5	0.03	0.09	0.009	0.91	2.12	8.42	0.40	0.004	0.07	0.050	60.0	14.0	0.02	0.008	1.07	0.017	0.006	0.036
39	36	37	ABAC 39037	36.8	25.1	0.05	0.07	0.009	0.94	2.18	8.00	0.36	0.004	0.08	0.047	62.3	16.3	0.03	0.008	0.92	0.017	0.011	0.034
39	37	38	ABAC 39038	31.3	24.5	0.04	0.07	0.009	1.13	2.17	7.95	0.32	0.004	0.08	0.047	62.6	16.6	0.17	0.009	0.91	0.016	0.008	0.029
39	38	39	ABAC 39039	30.8	23.1	0.05	0.08	0.009	1.01	2.14	7.39	0.31	0.005	0.08	0.043	64.5	18.5	0.09	0.009	0.91	0.016	0.006	0.029
39	39	40	ABAC 39040	34.5	23.9	0.04	0.08	0.011	1.31	2.23	7.68	0.37	0.005	0.07	0.054	62.5	16.5	0.08	0.009	1.08	0.019	0.011	0.039
39	40	41	ABAC 39041	27.8	22.8	0.05	0.08	0.010	1.01	2.06	7.24	0.29	0.005	0.08	0.042	65.0	19.0	0.06	0.009	0.90	0.015	0.007	0.030
39	41	42	ABAC 39042	36.8	25.6	0.05	0.13	0.012	1.22	2.33	8.09	0.43	0.005	0.07	0.054	60.9	14.9	0.07	0.010	1.19	0.024	0.008	0.045
39	41	42	Dup 39042.1	38.2	25.1	0.05	0.10	0.010	1.20	2.33	7.98	0.42	0.005	0.07	0.055	61.1	15.1	0.07	0.009	1.18	0.022	0.008	0.041
39	42	43	ABAC 39043	29.2	22.5	0.05	0.07	0.010	0.99	2.10	7.22	0.29	0.005	0.09	0.043	65.2	19.2	0.07	0.007	0.99	0.019	0.018	0.031
39	43	44	ABAC 39044	27.1	22.1	0.04	0.07	0.010	0.93	2.02	7.07	0.26	0.005	0.08	0.041	65.8	19.8	0.04	0.008	0.98	0.017	0.010	0.028
39	44	45	ABAC 39045	33.5	23.0	0.05	0.08	0.009	1.01	2.10	7.40	0.31	0.004	0.07	0.045	64.9	18.9	0.03	0.009	0.99	0.017	0.007	0.038
39	45	46	ABAC 39046	31.3	24.2	0.04	0.10	0.010	0.93	2.11	7.80	0.30	0.004	0.07	0.044	63.3	17.3	0.02	0.008	0.81	0.018	0.012	0.026

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
39	46	47	ABAC 39047	29.0	22.0	0.04	0.07	0.011	0.86	1.99	7.12	0.25	0.003	0.07	0.039	66.3	20.3	0.02	0.008	0.80	0.013	0.006	0.026
39	47	48	ABAC 39048	35.3	25.8	0.04	0.09	0.013	1.01	2.13	8.50	0.37	0.004	0.07	0.049	60.7	14.7	0.18	0.009	0.92	0.020	0.015	0.033
40	0	1	ABAC 40001	54.8	27.0	0.05	0.12	0.015	4.87	0.57	10.81	0.23	0.004	0.10	0.043	53.9	7.9	0.19	0.008	1.16	0.026	0.012	0.034
40	1	2	ABAC 40002	46.3	27.0	0.09	0.10	0.014	5.02	0.49	10.77	0.20	0.005	0.08	0.043	53.9	7.9	0.41	0.009	1.28	0.025	0.005	0.037
40	2	3	ABAC 40003	37.3	29.3	0.03	0.06	0.008	1.29	1.04	11.94	0.19	0.002	0.12	0.062	54.1	8.1	1.39	0.019	0.97	0.011	0.002	0.028
40	3	4	ABAC 40004	38.3	30.1	0.03	0.05	0.007	1.25	1.12	12.05	0.19	0.003	0.09	0.056	53.6	7.6	1.36	0.018	0.89	0.015	0.004	0.032
40	4	5	ABAC 40005	39.7	29.0	0.02	0.05	0.010	1.11	0.99	10.61	0.20	0.002	0.05	0.047	56.1	10.1	0.43	0.010	0.99	0.013	0.001	0.029
40	5	6	ABAC 40006	55.2	23.8	0.03	0.07	0.025	5.41	1.08	9.18	0.26	0.013	0.06	0.062	58.5	12.5	0.34	0.009	1.10	0.019	0.003	0.041
40	6	7	ABAC 40007	71.6	23.4	0.03	0.08	0.010	1.61	1.32	8.19	0.34	0.004	0.07	0.043	62.9	16.9	0.16	0.006	1.06	0.014	0.009	0.039
40	7	8	ABAC 40008	53.5	25.8	0.03	0.09	0.010	1.15	1.46	8.78	0.36	0.004	0.06	0.044	61.0	15.0	0.12	0.007	0.96	0.012	0.005	0.036
40	8	9	ABAC 40009	54.2	23.9	0.04	0.11	0.009	3.84	1.86	8.22	0.43	0.01	0.08	0.064	59.7	13.7	0.05	0.007	0.99	0.018	0.008	0.042
40	9	10	ABAC 40010	75.4	22.5	0.04	0.14	0.009	3.91	2.07	7.43	0.60	0.006	0.11	0.069	61.6	15.6	0.03	0.007	0.98	0.015	0.012	0.040
40	10	11	ABAC 40011	77.9	20.8	0.04	0.17	0.011	4.62	2.02	7.01	0.68	0.005	0.15	0.074	61.9	15.9	0.03	0.007	0.90	0.015	0.014	0.037
40	11	12	ABAC 40012	71.9	20.3	0.03	0.18	0.009	4.98	2.18	6.71	0.91	0.007	0.19	0.072	61.8	15.8	0.03	0.007	0.85	0.014	0.021	0.036
40	12	13	ABAC 40013	54.9	20.9	0.04	0.18	0.010	6.20	2.14	7.28	0.89	0.016	0.21	0.084	59.0	13.0	0.05	0.007	0.74	0.012	0.042	0.032
40	13	14	ABAC 40014	45.2	21.7	0.06	0.19	0.008	7.30	2.19	7.63	0.80	0.02	0.19	0.082	57.3	11.3	0.03	0.007	0.64	0.012	0.033	0.028
40	14	15	ABAC 40015	59.2	22.3	0.05	0.17	0.009	5.56	2.38	7.52	0.84	0.01	0.17	0.095	57.9	11.9	0.03	0.007	0.82	0.017	0.022	0.034
40	15	16	ABAC 40016	44.0	25.1	0.07	0.16	0.006	3.03	2.52	8.10	0.65	0.006	0.14	0.130	58.3	12.3	0.03	0.007	0.83	0.014	0.015	0.033
40	16	17	ABAC 40017	43.0	23.3	0.07	0.17	0.008	8.53	2.56	8.28	0.58	0.019	0.10	0.150	53.9	7.9	0.04	0.007	0.96	0.017	0.015	0.037
40	17	18	ABAC 40018	35.5	25.8	0.08	0.12	0.008	2.06	2.73	8.25	0.51	0.006	0.07	0.088	58.0	12.0	0.03	0.006	1.02	0.014	0.010	0.033
40	18	19	ABAC 40019	35.6	26.3	0.06	0.10	0.010	1.32	2.55	8.25	0.44	0.005	0.08	0.054	59.2	13.2	0.02	0.007	1.19	0.016	0.010	0.037
40			Std 40019.9		23.3	<0.01	0.65	0.016	2.48	0.61	0.58	0.80	0.19	0.94	0.042	64.0		0.05	0.003	0.06	0.003	0.007	0.003
40	19	20	ABAC 40020	38.5	27.0	0.05	0.09	0.010	1.06	2.25	8.61	0.43	0.004	0.06	0.051	58.4	12.4	0.05	0.006	1.24	0.019	0.007	0.038
40	20	21	ABAC 40021	37.7	27.3	0.06	0.09	0.009	1.11	1.97	8.84	0.40	0.004	0.06	0.045	58.2	12.2	0.03	0.006	1.07	0.020	0.006	0.030
40	21	22	ABAC 40022	34.7	26.9	0.02	0.07	0.010	1.17	1.72	8.88	0.36	0.005	0.05	0.054	58.8	12.8	0.02	0.008	1.09	0.018	0.023	0.034
40	22	23	ABAC 40023	35.4	26.8	0.03	0.07	0.011	1.11	1.58	8.87	0.36	0.004	0.05	0.066	58.9	12.9	0.03	0.010	1.12	0.019	0.013	0.036
40	22	23	Dup 40023.1	34.9	27.1	0.03	0.08	0.013	1.13	1.60	9.00	0.35	0.005	0.05	0.073	58.8	12.8	0.03	0.010	1.14	0.017	0.013	0.036
40	23	24	ABAC 40024	39.5	28.4	0.03	0.05	0.009	0.76	1.34	9.42	0.29	0.004	0.04	0.055	58.1	12.1	0.02	0.008	0.95	0.019	0.007	0.035
40	24	25	ABAC 40025	25.6	27.4	0.03	0.04	0.010	1.20	1.18	9.32	0.25	0.007	0.03	0.064	59.0	13.0	0.03	0.011	0.93	0.018	0.051	0.029
40	25	26	ABAC 40026	26.0	28.0	0.02	0.04	0.011	1.09	1.11	9.39	0.21	0.007	0.03	0.079	58.6	12.6	0.03	0.012	0.92	0.018	0.014	0.030
40	26	27	ABAC 40027	34.4	29.0	0.02	0.04	0.009	0.76	1.35	9.65	0.29	0.003	0.03	0.074	56.0	10.0	0.02	0.011	1.04	0.020	0.005	0.028
40	27	28	ABAC 40028	23.2	28.8	0.03	0.04	0.008	0.72	1.05	10.01	0.23	0.003	0.03	0.085	57.7	11.7	0.04	0.017	0.79	0.017	0.014	0.023

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
40	28	29	ABAC 40029	52.9	28.5	0.03	0.06	0.012	0.99	1.55	9.36	0.35	0.003	0.05	0.083	57.0	11.0	0.03	0.014	1.20	0.021	0.005	0.043
40	29	30	ABAC 40030	24.0	28.0	0.02	0.05	0.009	1.01	1.10	9.30	0.24	0.003	0.05	0.046	58.5	12.5	0.02	0.008	0.82	0.017	0.005	0.025
40	30	31	ABAC 40031	20.8	25.7	0.03	0.05	0.009	1.50	0.97	9.08	0.21	0.004	0.04	0.050	60.9	14.9	0.03	0.008	0.83	0.021	0.087	0.024
40	31	32	ABAC 40032	26.6	27.6	0.02	0.05	0.008	1.38	1.21	9.33	0.25	0.004	0.03	0.044	58.9	12.9	0.02	0.007	0.95	0.018	0.005	0.025
40	32	33	ABAC 40033	24.6	26.6	0.02	0.06	0.008	1.76	1.24	9.16	0.26	0.003	0.04	0.039	59.1	13.1	0.02	0.005	0.90	0.017	0.006	0.024
40	33	34	ABAC 40034	34.2	26.9	0.03	0.07	0.010	1.23	1.59	8.97	0.31	0.003	0.04	0.044	59.6	13.6	0.03	0.006	0.85	0.018	0.009	0.030
40	34	35	ABAC 40035	36.6	26.3	0.17	0.09	0.009	1.66	1.99	8.65	0.40	0.004	0.05	0.056	58.9	12.9	0.17	0.008	1.16	0.021	0.009	0.043
40	35	36	ABAC 40036	50.6	27.1	0.05	0.12	0.010	1.13	2.25	8.67	0.47	0.004	0.06	0.056	58.6	12.6	0.02	0.008	1.06	0.018	0.008	0.040
40	36	37	ABAC 40037	29.2	27.0	0.06	0.10	0.011	1.14	2.58	8.56	0.42	0.003	0.08	0.050	58.0	12.0	0.02	0.009	0.98	0.017	0.010	0.034
40	37	38	ABAC 40038	31.3	27.3	0.08	0.10	0.008	1.18	2.81	8.53	0.40	0.003	0.08	0.049	58.6	12.6	0.03	0.010	0.78	0.015	0.007	0.028
40	38	39	ABAC 40039	30.1	26.1	0.08	0.09	0.007	1.00	3.04	8.04	0.41	0.003	0.08	0.048	59.3	13.3	0.04	0.011	0.88	0.015	0.006	0.027
40	39	40	ABAC 40040	32.4	26.2	0.08	0.09	0.008	1.14	3.06	8.01	0.41	0.004	0.07	0.050	59.3	13.3	0.03	0.010	0.96	0.016	0.012	0.027
40	40	41	ABAC 40041	30.2	25.5	0.09	0.09	0.008	1.15	3.11	7.77	0.39	0.004	0.08	0.047	60.2	14.2	0.07	0.011	0.95	0.014	0.008	0.027
40	41	42	ABAC 40042	30.1	24.3	0.08	0.08	0.008	1.30	3.07	7.63	0.33	0.003	0.08	0.046	61.2	15.2	0.19	0.009	0.95	0.012	0.006	0.028
40	42	43	ABAC 40043	27.9	25.7	0.08	0.08	0.007	0.99	2.98	7.83	0.37	0.005	0.07	0.049	60.1	14.1	0.06	0.010	1.13	0.017	0.010	0.029
40	43	44	ABAC 40044	26.8	25.6	0.07	0.08	0.008	1.05	2.88	8.11	0.37	0.004	0.08	0.049	59.4	13.4	0.23	0.009	1.24	0.015	0.019	0.037
40	44	45	ABAC 40045	29.6	26.5	0.06	0.09	0.010	1.15	2.90	8.24	0.43	0.004	0.06	0.057	58.4	12.4	0.20	0.010	1.39	0.020	0.018	0.038
41	0	1	ABAC 41001	42.8	25.0	0.11	0.08	0.018	9.46	0.51	10.48	0.18	0.004	0.06	0.051	52.1	6.1	0.24	0.009	1.14	0.039	0.015	0.031
41	1	2	ABAC 41002	28.1	26.6	0.04	0.05	0.010	3.96	0.77	10.13	0.15	<0.002	0.06	0.055	56.4	10.4	0.41	0.014	0.87	0.016	0.008	0.027
41	2	3	ABAC 41003	42.6	29.9	0.03	0.04	0.007	1.03	1.10	11.94	0.17	<0.002	0.12	0.070	53.6	7.6	1.51	0.021	0.97	0.011	0.003	0.033
41	3	4	ABAC 41004	30.5	28.5	0.03	0.04	0.006	0.96	1.21	11.56	0.17	0.002	0.10	0.059	55.7	9.7	1.70	0.018	0.87	0.012	0.004	0.023
41	4	5	ABAC 41005	35.2	30.0	0.03	0.05	0.006	1.03	1.11	11.76	0.17	<0.002	0.09	0.063	54.1	8.1	1.33	0.018	0.87	0.015	0.003	0.023
41	5	6	ABAC 41006	24.3	24.5	0.03	0.04	0.006	0.94	1.04	9.44	0.18	0.004	0.07	0.053	62.7	16.7	1.01	0.014	0.86	0.013	0.006	0.028
41	6	7	ABAC 41007	26.0	22.8	0.05	0.05	0.011	1.46	1.06	8.84	0.19	0.004	0.08	0.060	63.7	17.7	0.87	0.015	0.94	0.017	0.028	0.034
41	7	8	ABAC 41008	67.9	24.9	0.03	0.10	0.010	2.96	1.45	8.79	0.36	0.004	0.08	0.053	58.8	12.8	0.21	0.009	1.14	0.023	0.012	0.042
41	8	9	ABAC 41009	71.8	20.6	0.03	0.11	0.008	2.64	1.82	6.84	0.48	0.005	0.08	0.051	65.7	19.7	0.03	0.006	1.02	0.014	0.007	0.038
41	9	10	ABAC 41010	68.3	20.7	0.04	0.13	0.009	8.42	2.14	7.57	0.59	0.011	0.11	0.074	58.9	12.9	0.06	0.007	0.93	0.018	0.016	0.037
41	10	11	ABAC 41011	71.1	21.2	0.03	0.16	0.009	6.50	2.17	7.41	0.76	0.008	0.16	0.060	59.1	13.1	0.05	0.006	0.92	0.016	0.016	0.036
41	11	12	ABAC 41012	77.8	20.7	0.04	0.17	0.009	3.76	2.31	6.78	0.83	0.006	0.23	0.053	63.0	17.0	0.03	0.006	0.90	0.015	0.017	0.036
41	12	13	ABAC 41013	61.8	20.7	0.04	0.19	0.008	4.40	2.30	6.93	0.98	0.006	0.23	0.050	61.2	15.2	0.02	0.006	0.83	0.017	0.030	0.033
41	13	14	ABAC 41014	49.2	19.9	0.05	0.24	0.007	6.88	2.13	7.22	0.96	0.014	0.37	0.069	58.6	12.6	0.04	0.007	0.65	0.011	0.043	0.032
41	14	15	ABAC 41015	48.0	20.9	0.06	0.18	0.006	6.71	2.45	7.19	0.88	0.019	0.22	0.090	58.7	12.7	0.02	0.006	0.67	0.013	0.036	0.026

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
41	15	16	ABAC 41016	47.3	22.0	0.06	0.18	0.005	4.42	2.55	7.24	0.89	0.009	0.18	0.110	59.2	13.2	0.02	0.007	0.77	0.015	0.033	0.029
41	16	17	ABAC 41017	48.5	22.3	0.10	0.15	0.005	3.47	2.70	7.18	0.75	0.005	0.14	0.110	60.3	14.3	0.04	0.006	0.82	0.013	0.020	0.032
41	17	18	ABAC 41018	47.5	23.7	0.08	0.13	0.006	2.14	2.48	7.59	0.63	0.005	0.12	0.120	60.8	14.8	0.03	0.007	0.84	0.013	0.015	0.029
41	18	19	ABAC 41019	46.2	23.8	0.09	0.10	0.010	3.22	2.49	7.83	0.50	0.008	0.08	0.140	59.8	13.8	0.04	0.008	0.94	0.014	0.026	0.034
41	19	20	ABAC 41020	44.6	26.2	0.06	0.09	0.006	1.11	2.35	8.37	0.43	0.003	0.08	0.055	59.7	13.7	0.02	0.007	1.04	0.018	0.010	0.033
41	20	21	ABAC 41021	41.0	25.6	0.04	0.07	0.008	0.91	2.13	8.21	0.38	0.004	0.07	0.053	60.9	14.9	0.02	0.007	1.07	0.015	0.008	0.035
41	21	22	ABAC 41022	44.2	26.7	0.04	0.07	0.007	0.87	1.74	8.85	0.36	0.003	0.06	0.062	59.2	13.2	0.04	0.007	1.00	0.019	0.019	0.033
41	22	23	ABAC 41023	29.9	26.3	0.02	0.06	0.009	1.06	1.41	8.82	0.31	0.004	0.04	0.070	59.6	13.6	0.03	0.010	0.97	0.020	0.022	0.028
41	23	24	ABAC 41024	25.5	25.7	0.02	0.05	0.009	1.07	1.14	8.76	0.26	0.005	0.03	0.065	61.3	15.3	0.03	0.009	0.78	0.016	0.039	0.023
41	24	25	ABAC 41025	25.9	26.6	0.02	0.04	0.011	1.04	1.09	9.12	0.24	0.005	0.03	0.068	60.2	14.2	0.03	0.010	0.88	0.018	0.061	0.026
41	25	26	ABAC 41026	29.6	27.7	0.02	0.04	0.009	0.86	1.23	9.31	0.27	0.004	0.04	0.057	59.3	13.3	0.02	0.010	1.08	0.022	0.016	0.029
41	26	27	ABAC 41027	33.0	26.1	0.02	0.04	0.010	0.76	1.15	8.82	0.25	0.003	0.03	0.050	61.7	15.7	0.03	0.009	1.00	0.019	0.006	0.030
41	27	28	ABAC 41028	35.2	26.0	0.03	0.04	0.010	0.82	1.22	8.76	0.25	0.003	0.04	0.072	61.3	15.3	0.03	0.012	1.02	0.019	0.022	0.032
41	28	29	ABAC 41029	33.9	27.1	0.03	0.05	0.012	0.99	1.37	9.07	0.29	0.003	0.04	0.085	59.1	13.1	0.05	0.015	1.12	0.022	0.012	0.037
41	29	30	ABAC 41030	24.8	24.1	0.03	0.04	0.011	0.99	0.89	8.20	0.19	0.005	0.03	0.048	64.3	18.3	0.03	0.009	0.76	0.017	0.012	0.023
41	30	31	ABAC 41031	37.8	27.7	0.02	0.05	0.014	0.90	1.38	9.47	0.29	0.004	0.04	0.072	58.0	12.0	0.03	0.014	1.08	0.019	0.028	0.037
41	31	32	ABAC 41032	33.2	25.1	0.01	0.04	0.010	0.66	1.01	9.09	0.20	<0.002	0.04	0.064	57.7	11.7	0.03	0.012	0.80	0.016	0.006	0.027
41	32	33	ABAC 41033	30.5	25.4	0.02	0.04	0.011	0.77	1.06	8.78	0.23	<0.002	0.03	0.044	62.0	16.0	0.03	0.008	0.84	0.019	0.005	0.023
41	33	34	ABAC 41034	45.8	25.4	0.03	0.07	0.013	1.20	1.56	8.52	0.36	0.004	0.04	0.052	61.1	15.1	0.04	0.008	1.09	0.020	0.016	0.037
41	34	35	ABAC 41035	60.8	25.8	0.04	0.09	0.011	1.06	1.71	8.65	0.41	0.003	0.05	0.056	60.6	14.6	0.06	0.007	1.05	0.017	0.009	0.039
41	35	36	ABAC 41036	70.5	24.0	0.03	0.11	0.010	1.03	1.86	8.34	0.44	0.004	0.06	0.060	62.4	16.4	0.05	0.006	1.01	0.016	0.008	0.036
41	35	36	Dup 41036.1	66.1	24.2	0.03	0.11	0.011	1.03	1.85	8.43	0.44	0.003	0.06	0.059	61.8	15.8	0.06	0.007	1.02	0.017	0.007	0.036
41	36	37	ABAC 41037	66.0	24.9	0.02	0.09	0.011	1.21	2.11	8.67	0.48	0.003	0.06	0.061	59.8	13.8	0.16	0.007	1.07	0.018	0.014	0.038
41	37	38	ABAC 41038	36.7	24.5	0.06	0.08	0.010	0.97	2.37	7.99	0.35	0.003	0.08	0.060	61.9	15.9	0.17	0.015	0.86	0.017	0.007	0.029
41	38	39	ABAC 41039	35.8	22.4	0.07	0.07	0.010	0.88	2.50	7.11	0.31	0.003	0.08	0.047	65.1	19.1	0.06	0.012	0.82	0.013	0.007	0.026
41	39	40	ABAC 41040	31.1	21.9	0.05	0.07	0.010	1.12	2.41	7.24	0.28	0.002	0.08	0.045	65.1	19.1	0.27	0.010	0.82	0.011	0.006	0.024
41			Std 41040.9		23.2	<0.01	0.65	0.016	2.48	0.61	0.65	0.79	0.19	0.94	0.044	64.1	18.1	0.04	0.003	0.06	0.002	0.007	0.002
41	40	41	ABAC 41041	36.2	23.9	0.05	0.09	0.015	1.31	2.58	7.59	0.41	0.004	0.08	0.049	62.3	16.3	0.15	0.010	1.10	0.017	0.008	0.035
41	41	42	ABAC 41042	30.3	21.6	0.13	0.06	0.012	0.90	2.27	6.77	0.27	0.004	0.08	0.042	66.4	20.4	0.13	0.008	0.97	0.015	0.006	0.030
41	42	43	ABAC 41043	45.8	24.6	0.04	0.09	0.014	1.02	2.51	7.73	0.41	0.004	0.08	0.053	62.0	16.0	0.04	0.010	1.16	0.018	0.032	0.039
41	43	44	ABAC 41044	30.8	21.1	0.06	0.06	0.011	0.69	2.22	6.53	0.25	0.003	0.07	0.043	67.5	21.5	0.02	0.009	1.07	0.011	0.010	0.031
41	44	45	ABAC 41045	29.9	21.5	0.07	0.06	0.011	0.96	2.33	6.87	0.26	0.004	0.08	0.047	66.7	20.7	0.16	0.010	1.13	0.012	0.011	0.033
41	45	46	ABAC 41046	33.1	20.5	0.06	0.06	0.012	0.93	2.39	6.31	0.29	0.002	0.07	0.046	67.8	21.8	0.07	0.009	1.07	0.014	0.018	0.034

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
41	46	47	ABAC 41047	51.0	24.5	0.06	0.09	0.010	1.18	2.41	7.77	0.43	0.003	0.08	0.058	61.3	15.3	0.13	0.009	1.16	0.015	0.011	0.041
41	47	48	ABAC 41048	57.3	26.3	0.04	0.10	0.010	1.19	2.34	8.60	0.48	0.004	0.09	0.060	58.9	12.9	0.18	0.008	1.09	0.019	0.013	0.039
42	0	1	ABAC 42001	47.1	28.2	0.01	0.07	0.016	1.11	0.19	11.38	0.07	<0.002	0.30	0.340	55.7	9.7	0.05	0.007	1.37	0.007	0.010	0.042
42	1	2	ABAC 42002	51.9	28.3	0.02	0.06	0.009	0.91	0.14	10.90	0.05	<0.002	0.22	0.220	57.1	11.1	0.05	0.007	1.46	0.008	0.004	0.045
42	2	3	ABAC 42003	38.0	27.7	0.01	0.05	0.008	0.80	0.16	10.67	0.06	<0.002	0.24	0.210	57.8	11.8	0.05	0.006	1.42	0.009	0.006	0.046
42	3	4	ABAC 42004	46.0	29.5	0.02	0.05	0.009	0.80	0.20	11.17	0.05	<0.002	0.21	0.210	55.6	9.6	0.06	0.008	1.39	0.011	0.005	0.039
42	4	5	ABAC 42005	50.4	28.1	0.02	0.05	0.011	0.70	0.39	10.47	0.08	<0.002	0.23	0.200	58.0	12.0	0.13	0.013	1.34	0.009	0.003	0.039
42	5	6	ABAC 42006	54.8	26.6	0.03	0.08	0.016	0.71	1.06	11.54	0.16	0.002	0.17	0.210	57.6	11.6	1.48	0.037	1.08	0.012	0.001	0.026
42	6	7	ABAC 42007	51.9	28.6	0.06	0.10	0.014	0.94	2.30	18.33	0.12	<0.002	0.28	0.460	46.7	0.7	6.86	0.130	0.94	0.013	0.008	0.025
42	7	8	ABAC 42008	58.2	30.2	0.06	0.10	0.020	1.03	4.78	30.39	0.04	0.002	0.55	0.560	29.6	-16.4	17.60	0.190	0.61	0.011	0.005	0.016
42	8	9	ABAC 42009	38.7	28.1	0.03	0.03	0.010	1.12	1.40	13.38	0.15	0.002	0.24	0.260	53.9	7.9	2.82	0.045	0.96	0.013	0.003	0.025
42	9	10	ABAC 42010	36.5	28.0	0.03	0.02	0.009	0.94	1.02	11.26	0.17	<0.002	0.20	0.220	56.8	10.8	0.96	0.024	0.90	0.014	0.003	0.024
42	10	11	ABAC 42011	38.2	27.8	0.02	0.02	0.011	1.06	0.92	10.72	0.17	0.003	0.16	0.190	57.1	11.1	0.47	0.018	0.94	0.013	0.003	0.027
42	11	12	ABAC 42012	39.7	29.9	0.04	0.03	0.009	1.10	2.21	17.01	0.17	<0.002	0.31	0.210	47.1	1.1	5.67	0.046	0.84	0.015	0.003	0.020
42	12	13	ABAC 42013	37.3	29.6	0.04	0.03	0.011	1.26	1.92	15.90	0.15	0.002	0.30	0.220	49.1	3.1	4.60	0.042	0.72	0.018	0.005	0.019
42	13	14	ABAC 42014	32.5	29.9	0.05	0.11	0.014	1.15	3.82	24.56	0.13	<0.002	0.38	0.340	36.7	-9.3	12.80	0.092	0.67	0.019	0.005	0.016
42	14	15	ABAC 42015	31.7	27.6	0.02	0.02	0.013	1.21	1.05	11.54	0.14	<0.002	0.18	0.180	56.2	10.2	1.26	0.016	0.80	0.022	0.003	0.023
42	15	16	ABAC 42016	57.0	20.2	0.03	0.12	0.018	14.80	1.15	9.81	0.24	0.012	0.13	0.420	51.4	5.4	0.41	0.009	1.07	0.025	0.023	0.045
42	16	17	ABAC 42017	76.5	23.0	0.03	0.13	0.010	1.41	1.35	8.44	0.32	0.004	0.14	0.230	63.1	17.1	0.07	0.005	1.09	0.012	0.003	0.044
42	17	18	ABAC 42018	80.9	21.7	0.03	0.07	0.007	1.19	1.43	7.71	0.33	0.003	0.15	0.250	65.6	19.6	0.05	0.005	0.96	0.011	0.004	0.033
42	18	19	ABAC 42019	52.8	25.7	0.03	0.04	0.009	1.22	1.49	9.27	0.34	0.003	0.48	0.450	59.4	13.4	0.07	0.005	0.87	0.012	0.005	0.034
42	19	20	ABAC 42020	58.8	23.6	0.03	0.08	0.009	3.17	1.64	8.26	0.36	0.005	0.18	0.240	61.2	15.2	0.04	0.006	0.95	0.017	0.005	0.042
42	20	21	ABAC 42021	74.5	21.7	0.04	0.14	0.011	3.62	1.79	7.45	0.49	0.005	0.19	0.320	62.6	16.6	0.03	0.005	0.92	0.017	0.007	0.036
42	21	22	ABAC 42022	74.5	20.7	0.04	0.14	0.008	3.45	1.86	7.32	0.58	0.003	0.33	0.420	62.8	16.8	0.05	0.006	0.87	0.014	0.025	0.035
42	22	23	ABAC 42023	73.9	20.9	0.03	0.21	0.009	3.57	2.09	7.37	0.91	0.006	0.52	0.620	62.1	16.1	0.06	0.006	0.86	0.014	0.025	0.034
42	23	24	ABAC 42024	59.0	21.3	0.05	0.29	0.008	5.53	2.13	7.96	1.04	0.010	0.58	0.840	58.1	12.1	0.06	0.007	0.75	0.015	0.037	0.033
42	24	25	ABAC 42025	49.3	21.5	0.06	0.26	0.007	7.25	2.30	8.21	0.88	0.019	1.01	0.880	56.1	10.1	0.10	0.007	0.66	0.010	0.040	0.027
42	25	26	ABAC 42026	46.4	21.5	0.07	0.27	0.004	5.51	2.53	8.68	0.82	0.014	1.07	0.880	56.9	10.9	0.12	0.007	0.64	0.012	0.028	0.025
42	26	27	ABAC 42027	51.0	23.0	0.06	0.19	0.006	5.79	2.51	8.56	0.84	0.009	0.44	0.680	56.2	10.2	0.05	0.007	0.80	0.015	0.025	0.030
42	27	28	ABAC 42028	44.6	23.0	0.10	0.12	0.005	3.31	2.72	8.95	0.69	0.006	0.38	0.670	58.4	12.4	0.06	0.007	0.82	0.016	0.027	0.026
42	28	29	ABAC 42029	49.4	21.6	0.04	0.20	0.011	4.58	2.40	7.88	0.71	0.009	0.24	0.530	59.8	13.8	0.02	0.007	1.00	0.017	0.014	0.037
42	29	30	ABAC 42030	39.1	24.9	0.07	0.15	0.007	1.86	2.65	8.67	0.47	0.006	0.51	0.520	58.9	12.9	0.06	0.007	0.95	0.014	0.013	0.030

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
42	30	31	ABAC 42031	39.8	25.8	0.05	0.07	0.008	1.20	2.38	8.96	0.40	0.005	0.49	0.450	58.8	12.8	0.05	0.007	1.07	0.015	0.011	0.035
42	31	32	ABAC 42032	37.7	26.7	0.03	0.07	0.008	1.02	2.04	9.80	0.36	0.004	0.46	0.500	57.4	11.4	0.08	0.006	0.95	0.016	0.011	0.027
42	32	33	ABAC 42033	38.6	26.7	0.02	0.06	0.010	0.93	1.78	9.68	0.32	0.007	0.34	0.440	57.9	11.9	0.05	0.006	0.88	0.018	0.005	0.027
42	33	34	ABAC 42034	31.2	26.1	0.02	0.05	0.010	0.84	1.33	10.01	0.27	0.002	0.49	0.600	58.8	12.8	0.05	0.005	0.87	0.018	0.013	0.023
42	34	35	ABAC 42035	29.4	25.4	0.02	0.05	0.011	0.83	1.14	9.46	0.22	0.002	0.17	0.330	61.5	15.5	0.04	0.006	0.86	0.016	0.009	0.025
42	35	36	ABAC 42036	26.9	25.9	0.02	0.03	0.010	0.91	1.02	9.83	0.21	0.003	0.15	0.350	59.9	13.9	0.04	0.009	0.89	0.013	0.010	0.024
42	36	37	ABAC 42037	40.9	27.7	0.02	0.04	0.010	0.81	1.36	10.06	0.27	0.003	0.19	0.370	57.5	11.5	0.04	0.012	1.09	0.018	0.018	0.034
42	36	37	Dup 42037.1	40.7	28.3	0.02	0.02	0.011	0.82	1.37	10.30	0.28	0.004	0.24	0.430	56.9	10.9	0.05	0.011	1.08	0.017	0.026	0.032
42	37	38	ABAC 42038	25.2	26.0	0.02	0.02	0.010	0.86	0.91	9.64	0.18	0.003	0.27	0.410	60.1	14.1	0.04	0.006	0.74	0.012	0.010	0.020
42	38	39	ABAC 42039	26.5	25.9	0.02	0.02	0.011	0.90	0.97	9.74	0.19	0.003	0.21	0.370	59.9	13.9	0.03	0.005	0.91	0.014	0.009	0.025
42	39	40	ABAC 42040	20.7	24.9	0.01	0.03	0.011	1.11	0.94	9.91	0.17	0.004	0.10	0.380	60.5	14.5	0.04	0.006	0.93	0.014	0.052	0.029
42	40	41	ABAC 42041	38.6	27.2	0.03	0.04	0.012	1.32	1.37	10.44	0.29	0.003	0.30	0.510	56.9	10.9	0.12	0.012	1.08	0.022	0.016	0.038
42	41	42	ABAC 42042	51.3	28.4	0.02	0.04	0.009	0.92	1.43	10.61	0.30	0.003	0.26	0.420	55.7	9.7	0.07	0.007	1.05	0.015	0.003	0.034
42	42	43	ABAC 42043	24.1	25.0	0.02	0.03	0.010	1.91	0.97	9.79	0.20	0.003	0.21	0.450	59.8	13.8	0.07	0.007	0.87	0.013	0.025	0.023
42			Std 42043.9		23.3	<0.01	0.66	0.015	2.47	0.60	0.70	0.79	0.19	0.94	0.037	64.0	18.0	0.04	0.003	0.06	0.003	0.007	0.002
42	43	44	ABAC 42044	23.5	25.1	0.01	0.03	0.009	0.91	0.86	10.01	0.16	0.003	0.14	0.430	60.7	14.7	0.07	0.007	0.76	0.012	0.015	0.020
42	44	45	ABAC 42045	27.2	26.2	0.02	0.02	0.010	1.20	1.07	10.13	0.21	0.003	0.16	0.370	59.0	13.0	0.13	0.006	0.87	0.015	0.011	0.025
43	0	1	ABAC 43001	35.6	21.4	0.02	0.14	0.011	3.69	0.30	10.92	0.19	0.004	0.10	0.050	60.0	14.0	0.12	0.009	1.23	0.021	0.017	0.055
43	1	2	ABAC 43002	63.8	29.9	0.02	0.10	0.011	4.02	0.37	11.71	0.16	<0.002	0.07	0.046	50.9	4.9	0.11	0.009	1.09	0.030	0.011	0.033
43	2	3	ABAC 43003	56.8	30.1	0.02	0.06	0.012	1.55	0.67	11.94	0.15	0.002	0.11	0.055	53.6	7.6	0.95	0.017	1.05	0.020	0.003	0.035
43	3	4	ABAC 43004	58.8	28.3	0.04	0.05	0.010	1.10	1.45	15.37	0.16	<0.002	0.48	0.120	51.2	5.2	5.02	0.056	0.94	0.015	0.008	0.033
43	4	5	ABAC 43005	51.8	30.5	0.02	0.06	0.011	1.21	1.51	16.83	0.13	0.002	0.53	0.110	47.5	1.5	5.71	0.053	0.91	0.018	0.003	0.030
43	5	6	ABAC 43006	41.2	30.0	0.02	0.05	0.011	1.18	1.46	14.80	0.18	<0.002	0.37	0.092	50.1	4.1	4.09	0.039	0.91	0.013	0.003	0.027
43	6	7	ABAC 43007	40.8	29.3	0.03	0.05	0.010	1.14	1.47	14.16	0.18	<0.002	0.29	0.087	51.5	5.5	3.70	0.032	0.88	0.017	0.007	0.025
43	7	8	ABAC 43008	34.8	29.7	0.03	0.04	0.009	1.07	1.40	13.42	0.18	<0.002	0.24	0.081	52.2	6.2	2.95	0.027	0.93	0.020	0.004	0.028
43	8	9	ABAC 43009	37.1	29.4	0.02	0.05	0.011	1.04	1.08	11.64	0.18	<0.002	0.13	0.064	55.0	9.0	1.36	0.021	1.02	0.019	0.005	0.031
43	9	10	ABAC 43010	36.3	29.7	0.02	0.04	0.009	1.05	1.80	15.32	0.17	<0.002	0.27	0.110	49.9	3.9	4.57	0.047	1.09	0.017	0.029	0.032
43	9	10	Dup 43010.1	37.2	29.8	0.03	0.04	0.011	1.05	1.83	15.37	0.17	0.003	0.27	0.110	49.6	3.6	4.70	0.048	1.08	0.021	0.031	0.031
43	10	11	ABAC 43011	39.9	29.3	0.03	0.04	0.010	1.00	1.44	12.47	0.20	<0.002	0.13	0.071	53.6	7.6	2.21	0.031	0.98	0.017	0.012	0.027
43	11	12	ABAC 43012	37.2	29.4	0.02	0.04	0.011	2.48	1.48	12.97	0.18	0.005	0.09	0.066	51.6	5.6	2.42	0.024	0.93	0.020	0.008	0.030
43	12	13	ABAC 43013	62.0	20.5	0.03	0.04	0.012	15.70	1.23	9.48	0.25	0.033	0.05	0.130	50.7	4.7	0.59	0.013	1.04	0.031	0.016	0.052
43	13	14	ABAC 43014	54.3	21.0	0.01	0.05	0.010	18.40	1.02	9.55	0.24	0.056	0.05	0.140	47.5	1.5	0.07	0.004	0.94	0.020	0.013	0.049

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
43	14	15	ABAC 43015	79.7	23.9	0.02	0.06	0.009	1.80	1.25	8.19	0.30	0.005	0.06	0.047	62.6	16.6	0.07	0.005	1.09	0.016	0.005	0.045
43	15	16	ABAC 43016	75.3	24.0	0.03	0.07	0.009	1.63	1.42	8.17	0.35	0.004	0.07	0.052	61.9	15.9	0.04	0.005	1.00	0.015	0.029	0.041
43	16	17	ABAC 43017	70.4	21.3	0.07	0.06	0.009	1.39	1.43	7.40	0.34	0.004	0.09	0.041	65.4	19.4	0.23	0.007	0.97	0.013	0.012	0.038
43	17	18	ABAC 43018	58.4	23.2	0.04	0.10	0.008	2.06	2.02	7.61	0.43	0.007	0.09	0.056	62.5	16.5	0.05	0.006	0.96	0.016	0.010	0.042
43	18	19	ABAC 43019	76.6	21.0	0.03	0.15	0.007	3.24	2.09	7.59	0.59	0.005	0.28	0.062	62.3	16.3	0.08	0.006	0.89	0.014	0.025	0.041
43	19	20	ABAC 43020	73.1	20.7	0.04	0.16	0.008	3.81	2.26	7.48	0.80	0.007	0.33	0.071	61.1	15.1	0.09	0.006	0.87	0.015	0.032	0.038
43	20	21	ABAC 43021	77.4	19.9	0.04	0.20	0.009	4.02	2.47	6.82	1.05	0.008	0.59	0.061	61.9	15.9	0.08	0.006	0.87	0.015	0.037	0.037
43	21	22	ABAC 43022	63.0	19.9	0.05	0.22	0.008	5.96	2.39	7.51	1.06	0.014	0.53	0.062	58.8	12.8	0.08	0.007	0.74	0.013	0.046	0.033
43	22	23	ABAC 43023	49.5	19.7	0.06	0.22	0.007	8.18	2.37	7.84	0.90	0.019	0.62	0.065	56.4	10.4	0.09	0.007	0.61	0.011	0.038	0.029
43	23	24	ABAC 43024	42.5	20.9	0.07	0.27	0.008	5.48	2.55	8.07	0.80	0.012	0.62	0.066	58.1	12.1	0.10	0.006	0.64	0.011	0.030	0.027
43	24	25	ABAC 43025	42.6	21.3	0.07	0.22	0.010	5.38	2.80	7.94	0.84	0.014	0.71	0.067	58.2	12.2	0.11	0.007	0.72	0.012	0.040	0.028
43	25	26	ABAC 43026	40.3	22.5	0.08	0.20	0.006	4.82	2.80	8.89	0.75	0.006	0.63	0.080	56.6	10.6	0.12	0.006	0.77	0.015	0.025	0.030
43	26	27	ABAC 43027	38.8	22.8	0.11	0.17	0.011	4.52	3.00	8.27	0.69	0.009	0.49	0.067	57.2	11.2	0.10	0.006	0.84	0.014	0.023	0.031
43	27	28	ABAC 43028	39.1	24.2	0.09	0.12	0.007	2.26	2.93	8.55	0.52	0.006	0.24	0.062	58.8	12.8	0.07	0.005	0.88	0.014	0.014	0.030
43	28	29	ABAC 43029	36.6	25.1	0.09	0.09	0.007	1.41	2.75	7.81	0.50	0.005	0.08	0.043	59.6	13.6	0.03	0.006	1.03	0.016	0.011	0.034
43	29	30	ABAC 43030	36.7	26.0	0.05	0.08	0.008	1.21	2.43	8.13	0.44	0.003	0.08	0.042	59.5	13.5	0.02	0.006	1.02	0.018	0.008	0.032
43	30	31	ABAC 43031	34.7	26.1	0.04	0.07	0.010	0.88	2.10	8.60	0.37	0.003	0.07	0.039	60.0	14.0	0.02	0.005	0.92	0.019	0.009	0.028
43	31	32	ABAC 43032	33.9	25.7	0.02	0.06	0.011	0.69	1.69	8.61	0.31	0.002	0.06	0.043	60.9	14.9	0.02	0.005	0.92	0.017	0.004	0.027
43	32	33	ABAC 43033	32.8	25.7	0.02	0.06	0.014	0.74	1.30	8.77	0.27	<0.002	0.04	0.040	61.1	15.1	0.02	0.005	0.99	0.018	0.005	0.034
43	33	34	ABAC 43034	29.4	25.2	0.02	0.05	0.011	0.64	1.15	8.74	0.25	0.002	0.04	0.041	62.5	16.5	0.02	0.005	0.86	0.015	0.003	0.030
43	34	35	ABAC 43035	20.1	22.2	0.02	0.04	0.016	0.59	0.78	7.83	0.16	<0.002	0.03	0.034	67.1	21.1	0.02	0.005	0.82	0.015	0.007	0.026
43	35	36	ABAC 43036	31.8	26.8	0.02	0.05	0.010	0.71	1.28	9.37	0.28	0.003	0.04	0.043	60.7	14.7	0.02	0.005	1.00	0.017	0.002	0.032
43	36	37	ABAC 43037	29.5	26.5	<0.01	0.05	0.008	0.67	1.21	9.07	0.26	0.003	0.03	0.042	60.5	14.5	0.02	0.006	0.97	0.018	0.012	0.028
43	37	38	ABAC 43038	27.8	25.8	0.02	0.04	0.010	0.64	1.15	8.79	0.24	0.002	0.03	0.040	61.5	15.5	0.02	0.005	1.00	0.015	0.005	0.033
43			Std 43038.9		23.3	<0.01	0.65	0.015	2.44	0.61	0.77	0.78	0.19	0.94	0.040	63.9	17.9	0.05	0.002	0.05	0.002	0.007	0.005
43	38	39	ABAC 43039	46.9	27.8	0.02	0.06	0.010	1.06	1.58	9.46	0.35	0.003	0.04	0.053	57.9	11.9	0.03	0.006	1.11	0.020	0.005	0.038
43	39	40	ABAC 43040	45.3	28.3	0.02	0.06	0.009	0.88	1.39	9.70	0.30	0.002	0.05	0.052	57.7	11.7	0.03	0.005	0.97	0.016	0.004	0.035
43	40	41	ABAC 43041	24.7	24.1	0.02	0.05	0.011	1.49	0.95	8.33	0.20	<0.002	0.03	0.042	64.0	18.0	0.03	0.005	0.72	0.014	0.010	0.024
43	41	42	ABAC 43042	22.9	23.1	0.02	0.04	0.009	1.42	0.82	8.19	0.17	0.003	0.02	0.030	65.5	19.5	0.03	0.004	0.67	0.012	0.011	0.024
43	42	43	ABAC 43043	55.8	27.3	0.03	0.07	0.012	1.08	1.62	9.29	0.37	0.003	0.05	0.052	58.5	12.5	0.11	0.006	1.19	0.020	0.011	0.044
43	43	44	ABAC 43044	49.4	27.5	0.03	0.06	0.012	0.89	1.55	9.41	0.35	<0.002	0.04	0.047	58.5	12.5	0.10	0.006	1.08	0.016	0.006	0.040
43	44	45	ABAC 43045	37.9	26.7	0.02	0.06	0.009	0.69	1.31	9.11	0.29	<0.002	0.03	0.036	60.4	14.4	0.07	0.005	0.80	0.017	0.004	0.028
44	0	1	ABAC 44001	55.1	31.1	<0.01	0.11	0.012	2.80	0.45	12.37	0.18	<0.002	0.05	0.041	51.2	5.2	0.05	0.008	0.97	0.020	0.006	0.030

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
44	1	2	ABAC 44002	34.4	31.3	0.02	0.10	0.011	1.89	0.57	11.50	0.17	0.002	0.04	0.034	52.8	6.8	0.04	0.007	0.99	0.020	0.005	0.030
44	1	2	Dup 44002.1	40.9	31.3	0.01	0.09	0.012	2.00	0.55	11.57	0.17	0.002	0.05	0.036	52.7	6.7	0.05	0.007	1.00	0.020	0.004	0.031
44	2	3	ABAC 44003	46.2	28.3	0.03	0.07	0.014	1.13	1.12	9.78	0.27	0.002	0.05	0.030	57.6	11.6	0.04	0.005	1.05	0.022	0.003	0.038
44	3	4	ABAC 44004	64.4	26.8	0.03	0.07	0.012	1.59	1.23	9.30	0.31	0.002	0.06	0.035	58.9	12.9	0.03	0.005	1.09	0.029	0.002	0.039
44	4	5	ABAC 44005	65.1	25.5	0.02	0.08	0.013	4.23	1.23	9.15	0.31	0.003	0.05	0.039	57.8	11.8	0.04	0.004	1.03	0.027	0.006	0.041
44	5	6	ABAC 44006	62.4	25.4	0.02	0.09	0.011	3.35	1.33	8.94	0.32	0.003	0.06	0.040	59.1	13.1	0.04	0.004	0.99	0.021	0.004	0.035
44	6	7	ABAC 44007	66.4	25.3	0.02	0.08	0.010	3.75	1.36	8.96	0.33	0.003	0.06	0.041	58.4	12.4	0.03	0.004	0.98	0.023	0.038	0.035
44	7	8	ABAC 44008	68.5	21.2	0.03	0.09	0.007	2.96	1.12	7.45	0.25	0.004	0.06	0.032	64.8	18.8	0.03	0.003	1.01	0.016	0.020	0.046
44	8	9	ABAC 44009	93.9	19.9	0.03	0.11	0.009	4.07	1.66	6.69	0.46	0.005	0.08	0.034	65.2	19.2	0.03	0.004	0.91	0.016	0.018	0.029
44	9	10	ABAC 44010	90.5	21.8	0.03	0.12	0.008	3.26	1.99	7.26	0.57	0.005	0.08	0.037	63.0	17.0	0.03	0.005	0.93	0.019	0.041	0.027
44	10	11	ABAC 44011	95.9	21.4	0.04	0.13	0.008	3.19	2.12	7.04	0.66	0.006	0.10	0.036	63.4	17.4	0.03	0.005	0.89	0.019	0.027	0.027
44	11	12	ABAC 44012	80.6	21.7	0.03	0.13	0.009	3.73	2.12	7.25	0.69	0.008	0.09	0.041	61.7	15.7	0.02	0.005	0.92	0.020	0.028	0.030
44	12	13	ABAC 44013	87.2	21.0	0.03	0.13	0.008	5.91	1.99	7.38	0.61	0.007	0.10	0.047	60.4	14.4	0.03	0.005	0.92	0.019	0.058	0.034
44	13	14	ABAC 44014	73.6	22.6	0.04	0.13	0.009	4.35	1.92	7.65	0.50	0.005	0.09	0.040	61.0	15.0	0.03	0.005	0.97	0.019	0.028	0.036
44	14	15	ABAC 44015	36.9	24.5	0.05	0.08	0.007	6.31	2.09	8.54	0.38	0.008	0.06	0.039	56.3	10.3	0.02	0.005	0.87	0.017	0.027	0.031
44	15	16	ABAC 44016	56.6	24.4	0.03	0.10	0.010	3.16	2.03	8.12	0.45	0.006	0.07	0.048	59.7	13.7	0.02	0.004	0.99	0.018	0.056	0.036
44	16	17	ABAC 44017	57.3	26.3	0.03	0.09	0.009	2.11	1.78	8.75	0.44	0.004	0.07	0.073	58.4	12.4	0.02	0.005	0.98	0.020	0.026	0.036
44	17	18	ABAC 44018	40.6	28.1	0.03	0.07	0.005	1.01	1.63	9.37	0.34	0.004	0.05	0.140	57.4	11.4	0.03	0.005	0.80	0.015	0.012	0.026
44	18	19	ABAC 44019	36.3	26.9	0.02	0.05	0.010	3.73	1.30	9.55	0.27	0.005	0.05	0.092	56.1	10.1	0.06	0.005	0.93	0.019	0.036	0.029
44	19	20	ABAC 44020	28.3	29.2	0.01	0.03	0.008	0.88	1.05	10.00	0.21	0.004	0.03	0.036	56.5	10.5	0.03	0.003	0.99	0.019	0.013	0.028
44	20	21	ABAC 44021	30.3	29.8	0.01	0.03	0.008	0.74	1.06	10.13	0.20	0.003	0.03	0.038	56.5	10.5	0.03	0.004	0.89	0.016	0.006	0.025
44	21	22	ABAC 44022	31.8	29.7	0.01	0.03	0.007	0.70	1.15	10.05	0.23	0.002	0.03	0.036	56.6	10.6	0.02	0.003	1.02	0.016	0.003	0.028
44	22	23	ABAC 44023	39.8	29.3	0.01	0.03	0.007	0.70	1.11	9.91	0.22	0.002	0.03	0.036	56.8	10.8	0.02	0.004	0.95	0.020	0.002	0.030
44	23	24	ABAC 44024	42.0	29.7	0.02	0.03	0.009	0.77	1.11	10.00	0.23	0.004	0.03	0.036	56.7	10.7	0.02	0.004	0.94	0.019	0.003	0.032
44	24	25	ABAC 44025	36.6	29.1	0.02	0.03	0.009	0.80	1.10	9.89	0.22	0.003	0.03	0.034	58.0	12.0	0.02	0.004	0.90	0.018	0.040	0.030
44	25	26	ABAC 44026	31.4	28.3	0.02	0.03	0.008	0.78	1.00	9.72	0.19	0.003	0.03	0.030	58.6	12.6	0.02	0.004	0.83	0.016	0.007	0.026
44	26	27	ABAC 44027	47.2	23.4	0.02	0.06	0.016	7.57	1.29	8.67	0.28	0.013	0.05	0.088	56.8	10.8	0.03	0.005	1.16	0.027	0.015	0.053
44	27	28	ABAC 44028	54.8	21.7	0.04	0.08	0.011	1.82	1.76	7.10	0.40	0.005	0.06	0.049	65.1	19.1	0.02	0.006	1.12	0.018	0.009	0.070
44	28	29	ABAC 44029	56.6	23.4	0.03	0.08	0.008	1.36	1.99	7.52	0.44	0.004	0.07	0.043	63.0	17.0	0.02	0.006	0.99	0.014	0.010	0.046
44	29	30	ABAC 44030	53.1	23.9	0.05	0.10	0.008	1.74	2.34	7.66	0.49	0.006	0.07	0.045	61.7	15.7	0.03	0.006	1.01	0.018	0.014	0.043
44	30	31	ABAC 44031	70.5	21.8	0.04	0.17	0.009	3.40	2.37	7.48	0.68	0.006	0.29	0.051	60.5	14.5	0.06	0.006	0.95	0.019	0.031	0.040
44	31	32	ABAC 44032	75.9	20.5	0.04	0.15	0.008	3.73	2.55	6.88	0.98	0.008	0.33	0.050	61.3	15.3	0.05	0.006	0.90	0.020	0.038	0.039
44	32	33	ABAC 44033	67.7	20.1	0.04	0.25	0.009	4.26	2.59	6.52	1.26	0.011	0.46	0.048	60.9	14.9	0.06	0.007	0.84	0.016	0.050	0.038

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
44	33	34	ABAC 44034	44.3	20.8	0.09	0.27	0.009	6.40	2.25	7.79	1.09	0.016	0.65	0.046	57.1	11.1	0.10	0.007	0.65	0.013	0.061	0.030
44	34	35	ABAC 44035	35.2	20.6	0.06	0.26	0.009	7.64	2.45	7.76	0.93	0.044	0.83	0.052	56.7	10.7	0.08	0.007	0.64	0.015	0.048	0.029
44	35	36	ABAC 44036	36.2	21.6	0.06	0.20	0.009	6.33	2.70	7.65	0.75	0.014	0.78	0.051	57.3	11.3	0.08	0.006	0.70	0.016	0.029	0.029
44	36	37	ABAC 44037	32.7	21.5	0.08	0.19	0.008	4.58	2.93	7.45	0.76	0.015	1.09	0.270	58.8	12.8	0.08	0.007	0.78	0.014	0.031	0.034
44	37	38	ABAC 44038	37.0	22.4	0.13	0.19	0.008	3.93	3.15	7.50	0.77	0.013	0.90	0.300	58.9	12.9	0.10	0.007	0.84	0.019	0.025	0.032
44	38	39	ABAC 44039	35.8	22.6	0.09	0.21	0.009	2.28	3.15	9.79	0.70	0.008	1.00	0.370	58.0	12.0	0.17	0.007	1.00	0.017	0.018	0.034
44	39	40	ABAC 44040	40.0	24.3	0.08	0.17	0.010	1.93	3.25	9.93	0.64	0.006	0.67	0.260	57.0	11.0	0.19	0.006	0.97	0.018	0.040	0.034
44			Std 44040.9		23.3	<0.01	0.66	0.018	2.45	0.60	0.77	0.78	0.19	0.94	0.042	63.8	17.8	0.04	0.002	0.05	0.004	0.007	0.006
44	40	41	ABAC 44041	32.4	24.6	0.09	0.09	0.009	1.38	3.24	8.62	0.44	0.005	0.25	0.039	59.5	13.5	0.07	0.006	1.06	0.019	0.012	0.037
44	41	42	ABAC 44042	34.5	25.4	0.08	0.07	0.008	1.06	3.12	8.62	0.43	0.005	0.20	0.037	58.8	12.8	0.06	0.006	1.12	0.021	0.008	0.036
44	42	43	ABAC 44043	33.7	24.0	0.07	0.07	0.013	1.34	2.86	8.72	0.37	0.004	0.23	0.040	60.6	14.6	0.36	0.006	1.03	0.018	0.015	0.035
44	43	44	ABAC 44044	30.1	23.3	0.05	0.06	0.012	0.90	2.36	8.28	0.31	0.004	0.20	0.033	62.6	16.6	0.11	0.006	0.87	0.016	0.009	0.027
44	44	45	ABAC 44045	21.3	20.8	0.05	0.06	0.013	1.40	1.77	7.17	0.24	0.006	0.06	0.028	67.0	21.0	0.22	0.005	1.04	0.016	0.026	0.035
44	45	46	ABAC 44046	20.9	22.6	0.03	0.05	0.011	1.22	1.39	7.88	0.22	0.004	0.04	0.029	64.7	18.7	0.11	0.004	0.75	0.016	0.045	0.024
44	46	47	ABAC 44047	38.5	25.9	0.03	0.07	0.012	1.05	1.80	8.55	0.33	0.003	0.05	0.030	60.7	14.7	0.06	0.005	0.93	0.018	0.006	0.030
44	47	48	ABAC 44048	34.0	25.9	0.03	0.07	0.009	0.88	1.90	8.51	0.32	0.002	0.05	0.037	60.3	14.3	0.03	0.005	0.99	0.017	0.005	0.031
45	0	1	ABAC 45001	34.7	22.1	0.03	0.22	0.012	2.13	0.90	14.34	0.24	0.005	0.10	0.059	57.3	11.3	0.25	0.005	0.91	0.017	0.023	0.033
45	1	2	ABAC 45002	36.1	26.1	0.02	0.12	0.015	2.86	0.73	10.82	0.24	0.003	0.09	0.035	56.9	10.9	0.24	0.006	1.00	0.022	0.008	0.038
45	2	3	ABAC 45003	72.4	26.2	0.02	0.07	0.013	3.65	1.08	10.53	0.25	0.002	0.11	0.041	56.2	10.2	0.75	0.009	1.00	0.022	0.005	0.034
45	3	4	ABAC 45004	64.0	23.4	0.08	0.15	0.010	4.61	1.64	9.09	0.61	0.005	0.15	0.046	57.9	11.9	0.40	0.007	0.89	0.018	0.028	0.035
45	4	5	ABAC 45005	51.2	21.9	0.06	0.24	0.008	5.29	2.35	8.26	0.84	0.008	0.66	0.160	58.1	12.1	0.08	0.005	0.75	0.014	0.025	0.028
45	5	6	ABAC 45006	33.2	22.2	0.06	0.23	0.008	4.66	2.48	8.29	0.76	0.006	0.78	0.046	58.1	12.1	0.09	0.005	0.74	0.014	0.026	0.030
45	6	7	ABAC 45007	34.7	21.9	0.05	0.25	0.009	4.59	2.33	8.24	0.72	0.006	0.89	0.086	58.3	12.3	0.17	0.005	0.82	0.016	0.047	0.034
45	6	7	Dup 45007.1	33.8	21.7	0.06	0.24	0.006	4.49	2.33	8.01	0.69	0.007	0.72	0.087	59.7	13.7	0.11	0.005	0.81	0.016	0.044	0.032
45	7	8	ABAC 45008	29.4	23.1	0.08	0.23	0.009	3.35	2.89	7.38	0.68	0.006	0.48	0.037	60.0	14.0	0.02	0.006	0.85	0.015	0.024	0.033
45	8	9	ABAC 45009	22.1	23.1	0.08	0.17	0.008	2.91	2.87	7.36	0.57	0.005	0.56	0.036	60.2	14.2	0.02	0.005	0.87	0.014	0.021	0.031
45	9	10	ABAC 45010	34.1	22.2	0.07	0.18	0.010	4.39	2.62	7.60	0.58	0.009	0.28	0.052	59.7	13.7	0.11	0.006	0.92	0.018	0.051	0.035
45	10	11	ABAC 45011	42.7	20.4	0.06	0.15	0.010	3.14	2.98	6.81	0.76	0.009	0.61	0.049	62.8	16.8	0.09	0.006	0.93	0.016	0.030	0.037
45	11	12	ABAC 45012	23.3	20.6	0.07	0.19	0.007	3.51	3.21	6.57	0.64	0.008	0.35	0.038	62.8	16.8	0.02	0.005	0.81	0.016	0.024	0.033
45	12	13	ABAC 45013	54.4	17.8	0.05	0.21	0.009	4.40	2.24	6.44	0.58	0.009	0.53	0.041	65.6	19.6	0.08	0.006	0.96	0.012	0.029	0.045
45	13	14	ABAC 45014	69.4	20.1	0.05	0.17	0.010	3.44	2.82	6.57	0.94	0.008	0.51	0.042	63.1	17.1	0.07	0.007	0.90	0.017	0.022	0.034
45	14	15	ABAC 45015	28.2	18.9	0.05	0.21	0.009	3.80	3.02	6.07	1.00	0.008	0.22	0.040	63.9	17.9	0.03	0.006	0.88	0.017	0.022	0.033
45	15	16	ABAC 45016	69.3	20.2	0.04	0.20	0.010	4.78	2.97	6.58	1.03	0.011	0.24	0.051	61.1	15.1	0.02	0.006	0.92	0.018	0.044	0.034

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
45	16	17	ABAC 45017	30.5	20.9	0.08	0.18	0.008	2.91	3.20	6.20	0.70	0.008	0.64	0.037	62.2	16.2	0.02	0.007	0.84	0.014	0.022	0.029
45	17	18	ABAC 45018	31.1	23.3	0.08	0.19	0.010	3.32	3.02	7.19	0.72	0.009	0.59	0.039	59.1	13.1	0.02	0.007	0.69	0.016	0.023	0.025
45	18	19	ABAC 45019	31.7	23.0	0.08	0.17	0.010	4.00	2.97	7.42	0.76	0.013	0.72	0.047	59.5	13.5	0.06	0.006	0.77	0.017	0.033	0.028
45	19	20	ABAC 45020	27.7	21.9	0.07	0.19	0.013	3.43	2.99	7.07	0.68	0.012	0.81	0.031	60.8	14.8	0.12	0.007	0.73	0.015	0.056	0.028
45	20	21	ABAC 45021	46.9	23.7	0.06	0.17	0.013	3.87	2.95	7.51	0.89	0.011	0.28	0.046	58.1	12.1	0.05	0.006	0.95	0.021	0.027	0.041
45	21	22	ABAC 45022	35.2	24.5	0.08	0.16	0.011	4.78	2.89	8.10	0.70	0.019	0.32	0.045	56.5	10.5	0.06	0.005	0.81	0.017	0.041	0.029
45	22	23	ABAC 45023	55.4	24.4	0.05	0.13	0.015	2.88	2.71	8.07	0.68	0.015	0.25	0.062	58.4	12.4	0.05	0.006	0.98	0.019	0.016	0.036
45	23	24	ABAC 45024	51.8	25.6	0.07	0.08	0.010	2.80	2.47	8.61	0.43	0.011	0.16	0.050	57.9	11.9	0.05	0.006	0.94	0.018	0.010	0.036
45	24	25	ABAC 45025	38.9	22.7	0.06	0.07	0.010	7.70	2.24	8.35	0.33	0.021	0.18	0.070	56.8	10.8	0.05	0.006	0.93	0.018	0.037	0.038
45	25	26	ABAC 45026	34.1	25.5	0.03	0.06	0.010	3.40	1.92	8.49	0.34	0.018	0.07	0.048	58.9	12.9	0.03	0.005	1.05	0.019	0.012	0.035
45	26	27	ABAC 45027	26.7	27.5	0.02	0.05	0.011	0.85	1.47	9.14	0.28	0.007	0.05	0.029	58.9	12.9	0.02	0.004	0.98	0.017	0.009	0.027
45	27	28	ABAC 45028	31.8	27.5	0.01	0.04	0.011	0.94	1.33	9.13	0.26	0.005	0.04	0.036	59.1	13.1	0.02	0.004	1.03	0.016	0.013	0.033
45	28	29	ABAC 45029	41.5	28.0	0.02	0.05	0.009	0.84	1.33	9.32	0.29	0.004	0.04	0.037	58.5	12.5	0.02	0.004	0.87	0.016	0.005	0.025
45	29	30	ABAC 45030	39.9	28.2	0.01	0.05	0.011	0.89	1.30	9.62	0.28	0.006	0.04	0.034	58.0	12.0	0.06	0.004	0.83	0.016	0.010	0.027
45	30	31	ABAC 45031	30.5	25.2	0.02	0.05	0.013	5.13	1.04	9.91	0.22	0.029	0.14	0.065	57.0	11.0	0.07	0.004	0.79	0.018	0.032	0.028
45	31	32	ABAC 45032	76.6	23.6	0.03	0.11	0.011	4.46	1.78	8.13	0.45	0.009	0.13	0.096	59.4	13.4	0.03	0.005	1.08	0.020	0.016	0.044
45	32	33	ABAC 45033	74.0	21.7	0.04	0.11	0.010	1.42	2.16	8.96	0.49	0.005	0.10	0.073	62.7	16.7	0.08	0.006	1.02	0.020	0.015	0.040
45	33	34	ABAC 45034	52.5	19.5	0.05	0.11	0.010	1.56	2.97	7.37	0.64	0.007	0.13	0.049	65.2	19.2	0.10	0.007	1.04	0.018	0.024	0.054
45	34	35	ABAC 45035	41.9	21.2	0.07	0.13	0.010	2.41	3.22	7.43	0.88	0.02	0.14	0.044	62.4	16.4	0.10	0.007	0.98	0.015	0.025	0.044
45	35	36	ABAC 45036	49.8	20.6	0.06	0.16	0.010	3.18	3.03	8.07	1.06	0.035	0.26	0.044	61.6	15.6	0.13	0.007	0.95	0.020	0.030	0.039
45	36	37	ABAC 45037	51.9	20.0	0.05	0.19	0.012	3.72	2.78	8.26	1.27	0.051	0.31	0.086	61.2	15.2	0.12	0.008	0.92	0.018	0.024	0.039
45	37	38	ABAC 45038	52.3	19.2	0.04	0.18	0.012	3.34	2.71	7.95	1.31	0.033	0.31	0.045	62.6	16.6	0.11	0.008	0.88	0.019	0.022	0.035
45	38	39	ABAC 45039	44.7	19.7	0.06	0.23	0.010	4.65	2.47	8.76	1.39	0.094	0.47	0.067	59.8	13.8	0.14	0.011	0.80	0.015	0.025	0.035
46	0	1	ABAC 46001	37.5	26.4	0.02	0.07	0.010	2.68	0.35	11.92	0.21	0.004	0.55	0.560	53.9	7.9	0.08	0.008	1.37	0.017	0.009	0.044
46	1	2	ABAC 46002	40.9	28.0	0.02	0.08	0.011	2.65	0.33	11.44	0.19	0.003	0.42	0.310	53.6	7.6	0.07	0.008	1.43	0.017	0.009	0.049
46	2	3	ABAC 46003	41.1	23.9	0.02	0.03	0.011	3.14	0.27	9.09	0.09	0.003	0.22	0.190	60.6	14.6	0.07	0.010	1.46	0.029	0.002	0.062
46	3	4	ABAC 46004	47.8	25.6	0.10	0.02	0.008	3.50	3.13	7.88	0.49	0.006	0.35	0.110	57.1	11.1	0.01	0.006	1.06	0.014	0.015	0.031
46	4	5	ABAC 46005	46.6	25.5	0.03	0.02	0.014	4.68	0.56	9.82	0.11	<0.002	0.18	0.190	56.9	10.9	0.35	0.014	1.21	0.036	0.002	0.043
46	5	6	ABAC 46006	62.1	30.4	0.02	0.03	0.008	2.24	0.96	12.26	0.16	0.003	0.22	0.180	51.2	5.2	1.44	0.026	1.02	0.026	0.002	0.033
46	6	7	ABAC 46007	47.5	31.3	0.02	0.02	0.007	1.66	0.94	12.21	0.15	<0.002	0.20	0.160	51.3	5.3	1.08	0.025	0.91	0.020	0.004	0.028
46	7	8	ABAC 46008	39.6	31.5	0.03	0.01	0.006	0.94	1.30	13.18	0.17	<0.002	0.23	0.130	50.5	4.5	2.23	0.026	0.89	0.015	0.002	0.025
46	8	9	ABAC 46009	34.7	31.9	0.02	<0.01	0.007	0.76	1.14	12.21	0.17	0.002	0.17	0.110	51.6	5.6	1.20	0.019	1.02	0.012	0.001	0.024

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
46	9	10	ABAC 46010	36.0	30.7	0.03	0.02	0.009	0.97	1.05	11.77	0.17	0.002	0.18	0.130	52.8	6.8	1.23	0.020	1.17	0.013	0.002	0.030
46	10	11	ABAC 46011	32.6	29.5	0.03	<0.01	0.007	0.67	1.36	11.88	0.18	<0.002	0.15	0.110	53.9	7.9	1.75	0.024	0.92	0.011	0.002	0.024
46	11	12	ABAC 46012	43.9	31.1	0.02	0.03	0.008	0.81	1.29	12.35	0.18	<0.002	0.14	0.140	52.2	6.2	1.59	0.027	1.02	0.015	0.002	0.026
46	12	13	ABAC 46013	38.0	30.9	0.02	0.02	0.007	0.72	1.14	11.57	0.18	0.003	0.13	0.120	53.3	7.3	0.97	0.018	0.98	0.012	0.002	0.026
46	13	14	ABAC 46014	43.5	29.1	0.03	0.03	0.009	0.81	1.14	11.43	0.19	0.002	0.18	0.130	54.6	8.6	1.38	0.020	1.01	0.012	0.002	0.028
46	14	15	ABAC 46015	60.0	21.2	0.02	0.04	0.014	7.04	1.14	8.16	0.22	0.019	0.13	0.200	59.6	13.6	0.33	0.010	1.22	0.030	0.016	0.047
46	15	16	ABAC 46016	68.6	21.4	0.03	0.08	0.009	6.64	1.16	8.37	0.26	0.011	0.94	1.000	58.2	12.2	0.23	0.007	1.00	0.017	0.011	0.039
46	16	17	ABAC 46017	51.9	26.2	0.02	0.02	0.006	1.27	1.18	9.02	0.26	0.003	0.13	0.110	59.8	13.8	0.02	0.005	0.90	0.014	0.004	0.033
46	17	18	ABAC 46018	56.9	24.4	0.02	0.03	0.009	4.04	1.43	8.47	0.32	0.008	0.18	0.170	59.1	13.1	0.04	0.006	1.00	0.018	0.006	0.039
46	18	19	ABAC 46019	62.8	23.6	0.02	0.06	0.007	4.13	1.60	8.26	0.40	0.007	1.09	1.160	57.3	11.3	0.10	0.006	0.90	0.017	0.008	0.034
46	19	20	ABAC 46020	62.8	22.2	0.04	0.04	0.007	4.96	1.67	7.89	0.34	0.008	0.15	0.150	60.5	14.5	0.10	0.007	0.93	0.017	0.009	0.033
46	20	21	ABAC 46021	75.9	21.7	0.03	0.07	0.007	2.26	2.02	6.91	0.61	0.006	0.88	0.780	62.0	16	0.10	0.006	0.92	0.016	0.017	0.035
46	21	22	ABAC 46022	68.7	21.4	0.05	0.09	0.006	2.62	2.21	6.67	0.65	0.007	0.91	0.770	61.4	15.4	0.10	0.006	0.85	0.012	0.021	0.033
46	22	23	ABAC 46023	47.1	23.5	0.05	0.09	0.006	4.40	2.47	7.54	0.81	0.007	1.46	1.340	54.7	8.7	0.09	0.005	0.75	0.017	0.029	0.027
46	23	24	ABAC 46024	40.4	22.8	0.08	0.13	0.006	4.99	2.79	7.47	0.66	0.007	1.67	1.590	55.2	9.2	0.16	0.006	0.77	0.014	0.025	0.028
46	24	25	ABAC 46025	32.1	25.8	0.02	0.02	0.009	2.67	0.35	9.56	0.10	0.002	0.22	0.220	58.5	12.5	0.11	0.014	1.34	0.025	0.004	0.052
46	25	26	ABAC 46026	33.9	23.6	0.08	0.13	0.008	3.10	3.14	7.53	0.63	0.007	1.72	1.690	55.4	9.4	0.26	0.007	1.05	0.016	0.031	0.036
46	26	27	ABAC 46027	33.8	25.7	0.08	0.03	0.005	2.93	3.23	7.84	0.57	0.006	0.40	0.180	56.4	10.4	0.02	0.005	1.00	0.014	0.020	0.029
46			Std 46027.9		23.1	<0.01	0.65	0.015	2.46	0.60	0.64	0.77	0.19	0.92	0.046	63.8	17.8	0.04	0.003	0.06	0.003	0.007	0.003
46	27	28	ABAC 46028	43.1	25.5	0.08	0.04	0.007	2.17	2.74	7.91	0.47	0.005	0.26	0.130	58.3	12.3	0.02	0.006	0.98	0.017	0.014	0.035
46	28	29	ABAC 46029	32.9	26.1	0.08	0.05	0.011	1.48	2.76	8.16	0.43	0.005	0.15	0.110	58.5	12.5	0.01	0.007	1.00	0.014	0.010	0.028
46	29	30	ABAC 46030	37.4	28.1	0.05	0.01	0.010	1.15	2.31	8.94	0.40	0.004	0.23	0.130	56.9	10.9	0.02	0.006	1.05	0.017	0.006	0.030
46	30	31	ABAC 46031	32.5	28.8	0.03	0.01	0.012	1.07	2.03	9.32	0.37	0.004	0.22	0.130	56.2	10.2	0.02	0.006	1.04	0.019	0.008	0.029
46	31	32	ABAC 46032	23.0	26.5	0.03	0.02	0.01	1.18	1.5	8.88	0.27	0.004	0.11	0.096	59.4	13.4	0.023	0.007	0.77	0.015	0.007	0.021
46	32	33	ABAC 46033	19.1	26.2	0.02	0.02	0.014	1.48	1.14	8.94	0.22	0.007	0.12	0.11	59.7	13.7	0.027	0.009	0.85	0.018	0.007	0.023
46	33	34	ABAC 46034	18.6	28.7	0.02	0.02	0.011	1.1	1.07	9.96	0.21	0.005	0.14	0.14	56.5	10.5	0.019	0.006	0.88	0.017	0.006	0.022
46	34	35	ABAC 46035	30.1	29.5	0.02	0.01	0.007	0.76	1.36	9.79	0.28	0.004	0.11	0.096	56.6	10.6	0.015	0.005	0.97	0.018	0.002	0.025
46	35	36	ABAC 46036	28.2	29.2	0.02	0.01	0.01	0.9	1.35	9.83	0.28	0.003	0.11	0.11	56	10	0.015	0.006	1.02	0.017	0.002	0.026
46	36	37	ABAC 46037	32.7	29.1	0.02	0.02	0.009	0.87	1.42	9.74	0.28	0.003	0.11	0.11	56	10	0.014	0.005	0.99	0.015	0.002	0.027
46	37	38	ABAC 46038	34.1	29.4	0.02	0.03	0.01	0.78	1.5	9.78	0.31	0.003	0.1	0.11	55.9	9.9	0.013	0.005	1.03	0.017	0.002	0.027
46	38	39	ABAC 46039	29.0	28.4	0.02	0.02	0.01	0.82	1.42	9.55	0.3	0.004	0.13	0.11	57.2	11.2	0.019	0.005	1.09	0.015	0.003	0.03
46	39	40	ABAC 46040	25.1	27.3	0.02	0.01	0.014	0.98		9.18	0.27	0.004	0.13	0.12	58.3	12.3	0.014	0.005	1.23	0.016	0.006	0.033
46	40	41	ABAC 46041	42.4	27.4	0.03	0.04	0.013	1.25	1.35	9.08	0.37	0.003	0.18	0.18	57.6	11.6	0.023	0.006	1.21	0.016	0.007	0.044

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
46	41	42	ABAC 46042	40.5	26.7	0.02	0.07	0.012	0.97	1.65	9.12	0.35	0.004	1.15	1.23	56.4	10.4	0.1	0.006	1.06	0.017	0.004	0.038
46	42	43	ABAC 46043	31.8	28.1	0.03	0.01	0.012	0.83	1.53	9.23	0.29	0.003	0.13	0.094	57.7	11.7	0.018	0.005	1	0.014	0.005	0.028
46	42	43	Dup 46043.1	35.9	29.1	0.02	0.03	0.011	0.92	1.68	9.61	0.35	0.003	0.16	0.13	56.4	10.4	0.017	0.007	1.07	0.016	0.008	0.032
46	43	44	ABAC 46044	30.6	28.6	0.02	0.04	0.008	0.89	1.51	9.38	0.28	0.003	0.1	0.098	57.6	11.6	0.019	0.006	0.9	0.016	0.005	0.027
46	44	45	ABAC 46045	30.6	28.4	0.02	0.02	0.009	0.87	1.68	9.25	0.32	0.004	0.17	0.12	56.6	10.6	0.014	0.008	1.03	0.016	0.004	0.028
47	0	1	ABAC 47001	37.0	26.6	0.01	0.51	0.010	1.69	0.30	12.51	0.28	0.006	0.22	0.900	54.9	8.9	0.05	0.005	1.43	0.018	0.006	0.041
47	1	2	ABAC 47002	39.4	30.4	0.01	0.27	0.010	0.77	0.75	11.24	0.18	0.005	0.12	0.390	54.2	8.2	0.04	0.007	1.09	0.013	0.002	0.030
47	2	3	ABAC 47003	39.3	31.0	<0.01	0.33	0.011	2.63	0.28	12.25	0.16	0.002	0.23	0.540	50.4	4.4	0.03	0.006	1.36	0.026	0.003	0.034
47	3	4	ABAC 47004	35.3	30.7	0.01	0.29	0.008	0.78	0.78	11.01	0.18	0.003	0.13	0.430	54.1	8.1	0.03	0.007	0.97	0.014	0.010	0.028
47	4	5	ABAC 47005	49.2	30.7	0.02	0.23	0.008	0.60	0.82	12.11	0.18	0.003	0.12	0.430	53.2	7.2	0.21	0.023	1.00	0.017	0.001	0.030
47	5	6	ABAC 47006	54.1	30.7	0.01	0.19	0.009	0.60	0.80	12.07	0.18	0.003	0.10	0.390	53.2	7.2	0.21	0.022	1.00	0.018	0.001	0.032
47	5	6	Dup 47006.1	52.8	29.8	0.02	0.27	0.013	0.61	0.82	12.32	0.20	0.004	0.15	0.590	53.3	7.3	0.21	0.019	0.95	0.018	0.001	0.032
47	6	7	ABAC 47007	44.0	30.3	0.02	0.39	0.007	0.62	0.87	12.85	0.22	0.003	0.28	0.810	51.8	5.8	0.28	0.020	0.91	0.018	0.006	0.029
47	7	8	ABAC 47008	38.0	31.4	0.02	0.25	0.007	0.58	0.85	11.44	0.17	0.003	0.06	0.390	53.0	7	0.11	0.015	0.95	0.018	0.001	0.027
47	8	9	ABAC 47009	36.3	31.3	0.02	0.25	0.006	0.53	0.88	11.17	0.18	0.003	0.06	0.370	54.1	8.1	0.03	0.009	0.87	0.019	0.001	0.027
47	9	10	ABAC 47010	38.3	31.0	0.02	0.16	0.007	0.56	0.87	11.18	0.18	0.002	0.06	0.270	54.1	8.1	0.05	0.011	0.90	0.017	0.004	0.026
47	10	11	ABAC 47011	30.9	30.5	0.01	0.14	0.008	0.58	0.94	10.92	0.18	0.002	0.06	0.230	54.6	8.6	0.03	0.006	0.88	0.015	0.002	0.024
47	11	12	ABAC 47012	37.8	31.7	0.01	0.23	0.008	0.54	0.90	11.41	0.18	0.002	0.05	0.360	53.2	7.2	0.03	0.009	0.90	0.019	0.002	0.025
47	12	13	ABAC 47013	31.2	30.3	<0.01	0.21	0.008	0.56	0.88	11.04	0.19	0.003	0.06	0.320	54.2	8.2	0.02	0.007	0.97	0.017	0.019	0.027
47	13	14	ABAC 47014	30.4	31.4	0.01	0.39	0.007	0.51	0.73	11.47	0.17	0.003	0.04	0.570	53.8	7.8	0.02	0.007	0.81	0.019	0.008	0.024
47	14	15	ABAC 47015	30.2	29.5	0.01	0.20	0.009	0.80	0.64	11.05	0.13	0.003	0.08	0.300	55.5	9.5	0.02	0.006	0.88	0.020	0.006	0.028
47	15	16	ABAC 47016	33.0	26.8	0.03	0.29	0.012	2.63	0.88	9.56	0.20	0.007	0.08	0.480	57.4	11.4	0.02	0.006	0.98	0.053	0.026	0.047
47	16	17	ABAC 47017	75.6	21.4	0.02	0.17	0.010	5.02	1.24	8.09	0.28	0.009	0.08	0.330	61.6	15.6	0.02	0.006	1.02	0.033	0.015	0.040
47	17	18	ABAC 47018	59.1	23.2	0.02	0.20	0.009	5.47	1.08	8.76	0.26	0.01	0.07	0.350	59.2	13.2	0.01	0.006	0.90	0.018	0.010	0.041
47	18	19	ABAC 47019	56.7	22.2	0.03	0.22	0.009	7.15	1.53	8.43	0.37	0.013	0.11	0.420	57.7	11.7	0.02	0.007	1.03	0.018	0.020	0.046
47	19	20	ABAC 47020	70.4	22.0	0.02	0.11	0.009	5.63	1.70	8.48	0.42	0.009	0.20	0.280	59.4	13.4	0.02	0.005	0.92	0.015	0.015	0.039
47	20	21	ABAC 47021	75.7	21.3	0.04	0.15	0.010	4.66	1.77	8.40	0.51	0.007	0.23	0.310	60.9	14.9	0.03	0.005	0.91	0.016	0.019	0.038
47	21	22	ABAC 47022	74.1	21.9	0.03	0.19	0.011	2.66	1.89	8.66	0.65	0.006	0.47	0.470	61.1	15.1	0.04	0.006	0.88	0.014	0.028	0.035
47	22	23	ABAC 47023	71.5	21.8	0.04	0.17	0.011	2.56	2.17	8.54	0.81	0.006	0.67	0.560	60.5	14.5	0.05	0.005	0.85	0.016	0.028	0.034
47	23	24	ABAC 47024	60.5	21.9	0.04	0.24	0.013	2.50	2.28	8.97	0.93	0.005	0.86	0.730	59.2	13.2	0.05	0.006	0.77	0.014	0.031	0.031
47	24	25	ABAC 47025	44.8	21.1	0.05	0.27	0.023	6.03	2.38	8.87	0.94	0.015	1.06	0.790	56.0	10	0.06	0.006	0.69	0.014	0.047	0.028
47	25	26	ABAC 47026	38.7	21.9	0.07	0.19	0.022	4.95	2.74	8.52	0.79	0.015	0.97	0.660	57.7	11.7	0.05	0.006	0.71	0.013	0.044	0.025

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
47			Std 47026.9		23.1	<0.01	0.66	0.018	2.44	0.6	0.69	0.77	0.19	0.93	0.041	63.6	17.6	0.046	0.003	0.056	0.003	0.007	0.005
47	26	27	ABAC 47027	43.9	22.6	0.07	0.14	0.032	5.22	2.84	8.86	0.77	0.015	0.99	0.660	56.0	10	0.04	0.006	0.75	0.013	0.038	0.025
47	27	28	ABAC 47028	40.6	23.5	0.07	0.14	0.046	4.17	3.04	9.03	0.65	0.012	0.57	0.330	56.0	10	0.03	0.006	0.88	0.016	0.027	0.029
47	28	29	ABAC 47029	35.7	24.4	0.09	0.07	0.008	3.05	3.04	8.50	0.57	0.009	0.40	0.220	58.0	12	0.07	0.006	0.94	0.016	0.019	0.031
47	29	30	ABAC 47030	45.9	25.3	0.06	0.08	0.008	2.45	2.68	9.11	0.59	0.006	0.42	0.320	57.2	11.2	0.05	0.006	0.94	0.017	0.016	0.032
47	30	31	ABAC 47031	39.8	25.8	0.05	0.04	0.008	2.16	2.38	9.06	0.41	0.005	0.26	0.170	58.3	12.3	0.05	0.009	0.88	0.014	0.009	0.028
47	31	32	ABAC 47032	39.7	26.2	0.05	0.05	0.009	1.97	2.04	9.22	0.35	0.004	0.21	0.17	58	12	0.059	0.009	0.87	0.017	0.007	0.028
47	32	33	ABAC 47033	32.2	26.3	0.02	0.04	0.013	1.71	1.62	9.66	0.28	0.005	0.16	0.13	58.2	12.2	0.028	0.005	0.94	0.019	0.005	0.029
47	33	34	ABAC 47034	21.4	23.9	0.02	0.06	0.02	2.23	1.11	9.28	0.22	0.009	0.1	0.12	60.9	14.9	0.023	0.004	0.9	0.018	0.008	0.029
47	34	35	ABAC 47035	15.5	22.5	0.01	0.03	0.012	1.56	0.66	8	0.13	0.008	0.07	0.08	65.5	19.5	0.042	0.004	0.71	0.015	0.006	0.023
47	35	36	ABAC 47036	19.9	24.3	0.01	0.02	0.012	1.17	0.76	8.45	0.15	0.005	0.1	0.092	63.4	17.4	0.021	0.004	0.9	0.017	0.003	0.027
47	36	37	ABAC 47037	24.3	27.4	0.01	0.02	0.011	1	0.94	10.07	0.18	0.005	0.11	0.1	58.3	12.3	0.022	0.005	0.72	0.016	0.005	0.021
47	37	38	ABAC 47038	30.5	28	0.02	0.04	0.009	0.9	1.11	10.06	0.22	0.003	0.09	0.11	57.4	11.4	0.031	0.009	0.94	0.016	0.002	0.026
47	38	39	ABAC 47039	35.5	27.9	0.02	0.02	0.009	0.91	1.24	9.88	0.25	0.003	0.12	0.12	57.7	11.7	0.022	0.008	0.89	0.016	0.002	0.026
47	39	40	ABAC 47040	39.3	27.9	0.01	0.05	0.01	0.75	1.26	9.57	0.25	0.004	0.09	0.11	58.7	12.7	0.018	0.005	0.93	0.015	0.004	0.028
47	40	41	ABAC 47041	29.8	27.2	0.01	0.03	0.013	0.79	1.16	9.48	0.22	0.004	0.09	0.1	58.9	12.9	0.025	0.006	1.02	0.017	0.002	0.031
47	41	42	ABAC 47042	28.2	26.5	0.02	0.05	0.02	0.83	1.09	9.17	0.2	0.004	0.07	0.11	60.3	14.3	0.023	0.007	1.02	0.015	0.002	0.031
47	42	43	ABAC 47043	28.3	27.2	0.01	0.02	0.011	0.68	1.11	9.45	0.21	0.004	0.09	0.1	59.4	13.4	0.019	0.007	0.99	0.015	0.002	0.028
47	43	44	ABAC 47044	27.5	27.7	0.01	0.02	0.014	0.68	1.12	9.65	0.21	0.004	0.08	0.092	58.2	12.2	0.017	0.005	1.04	0.015	0.001	0.027
47	44	45	ABAC 47045	26.6	27	0.02	0.02	0.013	0.7	1.07	9.6	0.2	0.003	0.1	0.093	59	13	0.017	0.006	0.97	0.014	0.001	0.026
48	0	1	ABAC 48001	54.8	31.5	<0.01	0.07	0.012	1.16	0.31	12.77	0.14	0.003	0.98	1.080	49.7	3.7	0.10	0.006	1.41	0.015	0.006	0.038
48	1	2	ABAC 48002	44.6	30.6	<0.01	0.08	0.010	0.76	0.43	11.44	0.14	0.002	0.99	1.050	51.8	5.8	0.10	0.006	1.44	0.014	0.003	0.034
48	2	3	ABAC 48003	23.3	25.5	0.03	0.02	0.011	0.62	0.62	9.32	0.13	<0.002	0.20	0.100	61.1	15.1	0.03	0.006	1.19	0.012	0.002	0.035
48	3	4	ABAC 48004	28.4	24.9	0.02	0.13	0.009	0.62	0.58	9.42	0.17	0.004	1.45	1.590	59.2	13.2	0.16	0.006	1.09	0.011	0.058	0.037
48	4	5	ABAC 48005	40.0	25.8	0.02	0.07	0.008	0.63	0.65	9.26	0.15	0.002	0.55	0.580	60.6	14.6	0.08	0.005	0.97	0.013	0.005	0.055
48	5	6	ABAC 48006	37.2	29.7	<0.01	0.05	0.008	0.55	0.73	10.64	0.16	<0.002	0.55	0.590	54.8	8.8	0.08	0.006	0.85	0.011	0.003	0.024
48	5	6	Dup 48006.1	38.2	30.0	0.02	0.06	0.011	0.54	0.74	10.73	0.16	<0.002	0.49	0.510	54.9	8.9	0.08	0.006	0.83	0.013	0.003	0.022
48	6	7	ABAC 48007	41.8	29.6	0.01	0.05	0.009	0.58	0.76	10.44	0.16	0.003	0.43	0.470	55.6	9.6	0.08	0.007	0.91	0.012	0.003	0.028
48	7	8	ABAC 48008	42.8	29.5	0.02	0.07	0.010	0.55	0.78	10.48	0.16	0.002	0.74	0.810	54.7	8.7	0.09	0.005	0.97	0.011	0.003	0.030
48	8	9	ABAC 48009	46.7	29.9	0.02	0.07	0.009	0.58	0.81	10.64	0.16	0.003	0.62	0.710	54.6	8.6	0.12	0.010	0.93	0.017	0.001	0.025
48	9	10	ABAC 48010	41.4	29.4	0.01	0.05	0.008	0.60	0.79	10.43	0.16	0.004	0.35	0.390	55.7	9.7	0.07	0.006	0.90	0.013	0.006	0.026
48	10	11	ABAC 48011	42.5	27.2	0.02	0.10	0.012	0.58	0.78	9.76	0.17	0.003	0.64	0.730	58.0	12	0.09	0.006	0.85	0.014	0.002	0.035

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
48	11	12	ABAC 48012	40.2	27.5	0.02	0.09	0.011	0.55	0.79	9.85	0.16	0.003	0.60	0.670	57.7	11.7	0.09	0.005	0.96	0.012	0.002	0.031
48	12	13	ABAC 48013	43.7	31.3	0.02	0.05	0.006	0.45	0.78	10.95	0.16	0.003	0.18	0.220	54.1	8.1	0.04	0.004	0.83	0.019	0.012	0.026
48	13	14	ABAC 48014	40.3	30.8	0.02	<0.01	0.007	0.51	0.86	10.68	0.16	<0.002	0.09	0.098	54.6	8.6	0.02	0.005	0.91	0.017	0.004	0.025
48	14	15	ABAC 48015	44.1	29.1	0.01	0.01	0.007	0.47	0.80	10.05	0.15	<0.002	0.07	0.076	57.3	11.3	0.01	0.005	0.90	0.014	0.003	0.026
48	15	16	ABAC 48016	42.0	29.0	0.01	0.06	0.009	0.50	0.79	10.24	0.15	0.003	0.35	0.410	56.5	10.5	0.06	0.005	0.90	0.015	0.010	0.029
48	16	17	ABAC 48017	42.9	29.4	0.02	0.07	0.006	0.47	0.81	10.40	0.17	0.003	0.67	0.750	55.3	9.3	0.09	0.006	0.85	0.013	0.005	0.023
48	17	18	ABAC 48018	38.6	30.0	0.01	0.08	0.006	0.47	0.85	10.51	0.17	<0.002	0.42	0.470	55.3	9.3	0.07	0.006	0.80	0.014	0.003	0.023
48	18	19	ABAC 48019	43.8	26.3	<0.01	0.08	0.008	0.55	0.79	9.45	0.16	0.004	0.70	0.770	59.5	13.5	0.10	0.005	0.83	0.014	0.006	0.030
48	19	20	ABAC 48020	38.4	28.8	0.02	0.08	0.010	0.58	0.85	10.48	0.18	0.003	0.69	0.790	56.0	10	0.08	0.005	0.87	0.013	0.005	0.024
48	20	21	ABAC 48021	36.7	29.4	0.01	0.09	0.009	0.56	0.84	10.81	0.16	0.003	0.62	0.710	54.6	8.6	0.08	0.005	0.80	0.014	0.003	0.020
48	21	22	ABAC 48022	44.0	28.1	0.01	0.09	0.009	0.58	0.76	10.11	0.16	0.003	0.85	0.960	56.4	10.4	0.10	0.005	1.01	0.019	0.008	0.037
48	22	23	ABAC 48023	29.9	27.4	0.02	0.01	0.012	0.78	0.71	9.91	0.14	0.003	0.10	0.120	59.4	13.4	0.02	0.004	0.83	0.015	0.002	0.027
48	23	24	ABAC 48024	44.6	23.6	0.02	0.10	0.011	1.75	0.93	8.87	0.21	0.005	0.87	0.960	60.9	14.9	0.12	0.007	0.98	0.028	0.007	0.032
48	24	25	ABAC 48025	81.1	21.0	0.03	0.09	0.010	2.97	1.16	7.66	0.26	0.005	0.69	0.700	64.3	18.3	0.12	0.007	0.99	0.022	0.010	0.038
48	25	26	ABAC 48026	57.5	21.2	0.02	0.15	0.009	4.33	1.02	8.12	0.26	0.007	0.56	0.640	62.3	16.3	0.13	0.006	0.91	0.015	0.008	0.044
48	26	27	ABAC 48027	61.3	20.9	0.03	0.12	0.010	8.03	1.38	8.29	0.33	0.006	0.26	0.420	59.1	13.1	0.04	0.006	1.03	0.016	0.014	0.046
48	27	28	ABAC 48028	65.5	23.3	0.03	0.09	0.010	3.17	1.55	8.41	0.38	0.008	0.31	0.350	60.4	14.4	0.04	0.006	0.94	0.017	0.010	0.040
48	28	29	ABAC 48029	70.4	22.8	0.03	0.10	0.009	1.85	1.65	8.23	0.44	0.003	0.33	0.360	63.1	17.1	0.04	0.006	0.93	0.015	0.012	0.037
48	29	30	ABAC 48030	74.4	22.2	0.03	0.20	0.009	2.19	1.83	8.02	0.57	0.003	0.39	0.480	62.5	16.5	0.05	0.006	0.91	0.016	0.019	0.038
48	30	31	ABAC 48031	67.4	22.4	0.03	0.18	0.009	2.44	1.93	9.40	0.76	0.004	0.84	0.840	59.5	13.5	0.10	0.006	0.85	0.013	0.045	0.034
48			Std 48031.9		23.0	<0.01	0.64	0.014	2.46	0.60	0.74	0.75	0.19	0.92	0.045	63.4	17.4	0.04	0.003	0.06	0.003	0.007	0.002
48	31	32	ABAC 48032	57.9	23.2	0.04	0.29	0.007	2.19	2.08	10.14	0.86	0.005	1.21	1.060	57.4	11.4	0.16	0.007	0.82	0.014	0.034	0.032
48	32	33	ABAC 48033	42.9	24.2	0.07	0.12	0.007	1.74	2.58	8.44	0.61	0.004	0.75	0.670	58.8	12.8	0.05	0.006	0.79	0.013	0.024	0.028
48	33	34	ABAC 48034	41.4	24.0	0.08	0.27	0.008	2.80	2.80	9.14	0.77	0.007	0.78	0.790	56.8	10.8	0.08	0.007	0.84	0.015	0.032	0.027
48	34	35	ABAC 48035	38.6	25.0	0.08	0.11	0.009	2.81	3.17	8.62	0.67	0.007	0.62	0.460	57.5	11.5	0.04	0.007	1.01	0.018	0.030	0.033
48	35	36	ABAC 48036	32.5	24.4	0.08	0.07	0.008	2.09	3.05	8.42	0.54	0.006	0.30	0.360	59.3	13.3	0.05	0.006	1.05	0.014	0.023	0.035
48	36	37	ABAC 48037	29.9	26.6	0.07	0.05	0.010	1.47	2.80	9.35	0.50	0.004	0.49	0.450	56.6	10.6	0.03	0.006	1.02	0.016	0.024	0.029
48	37	38	ABAC 48038	35.8	25.9	0.06	0.36	0.010	1.10	2.51	10.24	0.47	0.009	0.35	0.880	56.2	10.2	0.06	0.008	1.01	0.016	0.013	0.029
48	38	39	ABAC 48039	30.2	28.3	0.05	0.08	0.010	1.07	2.29	9.98	0.45	0.005	0.49	0.500	55.0	9	0.04	0.007	1.12	0.019	0.011	0.028
48	39	40	ABAC 48040	38.4	27.7	0.03	0.05	0.011	1.15	1.98	9.70	0.38	0.003	0.37	0.370	56.7	10.7	0.04	0.005	0.97	0.019	0.012	0.029
48	40	41	ABAC 48041	31.0	28.1	0.03	0.05	0.012	2.01	1.59	10.23	0.31	0.005	0.28	0.350	55.7	9.7	0.19	0.009	0.87	0.023	0.006	0.026
48	41	42	ABAC 48042	21.8	23.8	0.02	0.03	0.019	2.33	1.08	9.68	0.21	0.007	0.16	0.380	60.5	14.5	0.12	0.007	0.91	0.017	0.014	0.031
48	42	43	ABAC 48043	18.0	23.6	0.02	0.03	0.014	1.84	0.85	9.30	0.16	0.008	0.15	0.400	62.4	16.4	0.04	0.005	0.68	0.015	0.049	0.021

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
48	43	44	ABAC 48044	17.3	25.5	0.02	0.03	0.022	1.64	0.82	10.21	0.16	0.007	0.13	0.420	60.4	14.4	0.04	0.006	0.71	0.017	0.027	0.021
48	44	45	ABAC 48045	17.5	26.6	0.02	0.02	0.014	1.35	0.82	10.62	0.16	0.006	0.15	0.430	57.6	11.6	0.03	0.006	1.46	0.016	0.023	0.040
48	45	46	ABAC 48046	28.8	28.6	0.02	0.02	0.020	1.04	1.16	10.59	0.23	0.011	0.21	0.380	55.9	9.9	0.03	0.007	0.98	0.015	0.019	0.026
48	46	47	ABAC 48047	30.2	28.3	0.01	0.02	0.013	0.88	1.18	10.32	0.24	0.002	0.16	0.290	56.7	10.7	0.03	0.006	1.01	0.013	0.004	0.029
48	47	48	ABAC 48048	32.8	28.7	0.02	0.04	0.025	1.03	1.21	10.67	0.25	0.003	0.16	0.330	55.9	9.9	0.03	0.007	0.99	0.018	0.003	0.032
49	0	1	ABAC 49001	35.5	25.0	0.02	0.12	0.012	2.29	0.40	10.90	0.12	0.004	0.06	0.04	58.9	12.9	0.05	0.004	1.49	0.020	0.024	0.05
49	1	2	ABAC 49002	40.5	30.8	0.01	0.06	0.011	0.96	0.13	11.45	0.05	<0.002	0.04	0.09	54.2	8.2	0.03	0.00	1.64	0.012	0.008	0.05
49	2	3	ABAC 49003	24.6	32.4	0.01	0.06	0.010	0.83	0.30	11.71	0.09	<0.002	0.06	0.03	52.7	6.7	0.04	0.004	1.52	0.013	0.005	0.04
49	2	3	Dup 49003.1	21.4	32.3	0.01	0.07	0.011	0.83	0.30	11.70	0.09	<0.002	0.05	0.027	52.9	6.9	0.05	0.005	1.53	0.013	0.005	0.05
49	3	4	ABAC 49004	42.9	31.9	0.01	0.05	0.012	0.84	0.38	11.43	0.10	<0.002	0.03	0.030	53.8	7.8	0.06	0.006	1.50	0.016	0.006	0.05
49	4	5	ABAC 49005	36.0	31.3	0.01	0.04	0.010	0.89	0.42	11.29	0.10	<0.002	0.04	0.032	54.0	8	0.043	0.005	1.49	0.017	0.003	0.04
49	5	6	ABAC 49006	30.8	30.4	0.02	0.05	0.011	0.78	0.59	10.90	0.13	<0.002	0.04	0.035	55.0	9	0.052	0.006	1.52	0.016	0.003	0.04
49	6	7	ABAC 49007	35.1	30.6	0.01	0.04	0.008	0.67	0.74	10.53	0.16	0.002	0.04	0.031	55.7	9.7	0.034	0.006	1.41	0.012	0.005	0.04
49	7	8	ABAC 49008	36.6	31.1	0.02	0.04	0.010	0.59	0.66	10.78	0.15	<0.002	0.04	0.029	55.0	9	0.036	0.005	1.22	0.012	0.002	0.03
49	8	9	ABAC 49009	34.9	31.8	0.01	0.04	0.009	0.57	0.65	10.94	0.13	0.002	0.03	0.041	54.4	8.4	0.048	0.010	1.00	0.012	0.002	0.03
49	9	10	ABAC 49010	41.3	30.0	0.02	0.04	0.010	0.71	0.75	10.17	0.16	0.003	0.04	0.039	56.9	10.9	0.060	0.009	1.17	0.014	0.007	0.04
49	10	11	ABAC 49011	49.1	31.3	0.02	0.04	0.011	0.69	0.82	10.88	0.16	0.002	0.04	0.054	54.4	8.4	0.26	0.015	1.02	0.015	0.002	0.03
49	11	12	ABAC 49012	49.0	29.9	0.02	0.04	0.010	0.66	0.85	10.16	0.18	0.002	0.04	0.036	56.5	10.5	0.07	0.008	1.11	0.016	0.003	0.04
49	12	13	ABAC 49013	42.0	31.9	0.01	0.03	0.008	0.55	0.79	10.70	0.15	0.002	0.04	0.027	54.1	8.1	0.042	0.005	0.89	0.015	0.002	0.03
49	13	14	ABAC 49014	41.1	30.4	0.02	0.04	0.009	0.55	0.91	10.24	0.19	<0.002	0.04	0.033	55.9	9.9	0.037	0.006	1.12	0.014	0.002	0.03
49	14	15	ABAC 49015	34.3	31.4	0.02	0.03	0.008	0.54	0.90	11.01	0.17	0.002	0.04	0.040	54.7	8.7	0.150	0.010	0.99	0.015	0.001	0.03
49	15	16	ABAC 49016	39.7	29.4	0.03	0.04	0.010	0.58	0.89	10.39	0.16	0.002	0.04	0.059	57.4	11.4	0.25	0.018	0.99	0.015	0.017	0.03
49	16	17	ABAC 49017	43.8	31.4	0.02	0.04	0.009	0.58	1.05	11.37	0.18	<0.002	0.05	0.06	54.2	8.2	0.63	0.020	0.92	0.014	0.004	0.03
49	17	18	ABAC 49018	43.2	31.3	0.01	0.03	0.008	0.66	1.00	11.23	0.16	0.002	0.05	0.064	54.4	8.4	0.58	0.020	0.90	0.014	0.003	0.03
49	18	19	ABAC 49019	40.0	31.3	0.02	0.03	0.008	0.63	0.96	11.19	0.16	<0.002	0.03	0.063	54.2	8.2	0.52	0.020	0.84	0.016	0.012	0.03
49	19	20	ABAC 49020	34.7	30.6	0.02	0.03	0.010	0.61	0.93	11.10	0.15	0.002	0.03	0.056	55.3	9.3	0.59	0.019	0.82	0.015	0.003	0.02
49	20	21	ABAC 49021	38.2	30.4	0.02	0.03	0.010	0.65	0.96	10.83	0.15	0.002	0.03	0.058	55.3	9.3	0.45	0.017	0.85	0.016	0.003	0.02
49	21	22	ABAC 49022	37.1	30.3	0.02	0.03	0.009	0.64	0.96	10.94	0.16	0.003	0.03	0.056	55.7	9.7	0.600	0.017	0.80	0.016	0.021	0.02
49	22	23	ABAC 49023	44.1	31.7	0.02	0.03	0.009	0.60	0.89	11.18	0.16	0.002	0.03	0.058	53.8	7.8	0.340	0.015	0.81	0.018	0.004	0.02
49	23	24	ABAC 49024	51.2	24.1	0.03	0.06	0.010	0.96	1.22	8.45	0.26	0.003	0.04	0.055	63.1	17.1	0.360	0.012	1.13	0.019	0.004	0.05
49	24	25	ABAC 49025	52.4	24.5	0.01	0.04	0.009	2.86	0.99	8.58	0.21	0.003	0.04	0.047	61.9	15.9	0.100	0.007	0.87	0.020	0.009	0.04
49	25	26	ABAC 49026	60.5	21.9	0.03	0.06	0.009	4.95	1.43	7.61	0.33	0.01	0.05	0.058	62.4	16.4	0.025	0.006	1.06	0.021	0.006	0.05

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
49	26	27	ABAC 49027	72.7	21.5	0.02	0.08	0.011	5.26	1.58	7.54	0.40	0.00	0.06	0.058	61.9	15.9	0.028	0.005	0.97	0.020	0.007	0.04
49	27	28	ABAC 49028	69.8	21.5	0.03	0.07	0.008	6.47	1.49	7.79	0.36	0.01	0.06	0.064	60.9	14.9	0.033	0.004	0.85	0.017	0.009	0.04
49	28	29	ABAC 49029	78.8	21.9	0.02	0.10	0.010	5.09	1.68	7.54	0.44	0.004	0.07	0.056	61.9	15.9	0.026	0.005	0.94	0.020	0.010	0.04
49	29	30	ABAC 49030	79.2	22.5	0.02	0.10	0.009	2.18	1.86	7.38	0.55	0.003	0.08	0.049	63.3	17.3	0.025	0.005	0.95	0.017	0.014	0.04
49	30	31	ABAC 49031	78.3	21.8	0.03	0.15	0.009	2.26	1.94	8.84	0.62	0.005	0.32	0.070	62.6	16.6	0.094	0.006	0.94	0.018	0.024	0.04
49			Std 49031.9		23.4	<0.01	0.66	0.017	2.44	0.60	0.61	0.78	0.19	0.93	0.042	63.9	17.9	0.048	0.002	0.06	0.004	0.007	0.00
49	31	32	ABAC 49032	74.4	21.9	0.04	0.14	0.010	2.33	2.10	7.93	0.79	0.006	0.41	0.057	62.5	16.5	0.074	0.007	0.93	0.019	0.028	0.04
49	32	33	ABAC 49033	66.4	21.5	0.05	0.16	0.011	2.73	2.35	7.84	0.82	0.005	0.41	0.066	61.9	15.9	0.100	0.007	0.90	0.017	0.032	0.04
49	33	34	ABAC 49034	58.7	22.1	0.06	0.14	0.009	4.88	2.51	8.35	0.95	0.012	0.46	0.063	58.6	12.6	0.087	0.006	0.85	0.018	0.044	0.04
49	34	35	ABAC 49035	50.2	22.3	0.06	0.14	0.010	4.82	2.82	8.25	0.73	0.006	0.32	0.054	58.8	12.8	0.071	0.006	0.91	0.018	0.034	0.03
49	35	36	ABAC 49036	38.5	24.2	0.07	0.10	0.008	2.30	3.04	8.74	0.61	0.007	0.34	0.041	59.1	13.1	0.081	0.006	0.98	0.015	0.024	0.03
49	36	37	ABAC 49037	32.1	25.6	0.09	0.09	0.009	1.48	2.80	7.94	0.47	0.006	0.08	0.042	58.9	12.9	0.067	0.006	1.09	0.017	0.016	0.03
49	37	38	ABAC 49038	42.7	26.5	0.05	0.06	0.010	1.31	2.44	9.72	0.53	0.005	0.22	0.053	57.1	11.1	0.092	0.006	1.07	0.020	0.015	0.03
49	38	39	ABAC 49039	36.5	27.0	0.04	0.07	0.009	1.28	2.22	8.68	0.41	0.005	0.07	0.051	58.2	12.2	0.043	0.006	1.07	0.020	0.009	0.04
49	39	40	ABAC 49040	45.4	26.9	0.03	0.06	0.010	1.45	1.93	8.73	0.39	0.005	0.06	0.049	59.0	13	0.080	0.008	0.98	0.021	0.011	0.04
49	40	41	ABAC 49041	32.0	28.3	0.02	0.06	0.009	1.34	1.71	9.25	0.32	0.01	0.05	0.036	57.7	11.7	0.038	0.005	0.95	0.022	0.005	0.03
49	41	42	ABAC 49042	30.1	27.3	0.04	0.05	0.010	1.74	1.38	9.21	0.28	0.005	0.04	0.037	58.6	12.6	0.045	0.005	0.91	0.023	0.006	0.03
49	42	43	ABAC 49043	24.6	27.6	0.02	0.04	0.011	2.57	1.13	9.57	0.24	0.01	0.04	0.041	57.3	11.3	0.024	0.005	0.85	0.021	0.016	0.03
49	43	44	ABAC 49044	19.5	26.3	0.02	0.04	0.014	2.48	0.87	9.15	0.18	0.007	0.03	0.042	59.9	13.9	0.026	0.006	0.81	0.019	0.023	0.03
49	44	45	ABAC 49045	12.6	25.7	0.02	0.04	0.012	1.84	0.84	8.95	0.18	0.008	0.03	0.040	61.0	15	0.026	0.006	0.82	0.016	0.032	0.03
49	45	46	ABAC 49046	16.3	27.5	0.01	0.03	0.009	1.27	0.73	9.48	0.15	0.004	0.03	0.046	59.7	13.7	0.029	0.007	0.78	0.017	0.015	0.03
49	46	47	ABAC 49047	21.5	27.3	0.02	0.03	0.010	1.14	0.93	9.30	0.19	0.004	0.03	0.038	59.4	13.4	0.019	0.005	0.84	0.018	0.004	0.02
49	47	48	ABAC 49048	23.5	27.4	0.02	0.03	0.009	1.00	0.90	9.23	0.17	0.003	0.03	0.039	60.1	14.1	0.021	0.005	0.70	0.016	0.003	0.02
50	0	1	ABAC 50001	25.5	25.8	<0.01	0.12	0.011	1.20	0.45	14.72	0.13	0.003	0.09	0.04	54.8	8.8	0.09	0.005	1.24	0.016	0.029	0.04
50	1	2	ABAC 50002	34.0	29.8	<0.01	0.08	0.011	0.72	0.45	10.97	0.17	<0.002	0.03	0.02	55.1	9.1	0.02	0.00	1.32	0.018	0.005	0.04
50	2	3	ABAC 50003	33.1	29.3	<0.01	0.08	0.011	0.78	0.39	10.74	0.16	<0.002	0.04	0.02	56.5	10.5	0.02	0.004	1.31	0.016	0.004	0.04
50	3	4	ABAC 50004	31.0	26.6	<0.01	0.06	0.010	0.75	0.53	9.81	0.15	<0.002	0.04	0.021	60.0	14	0.03	0.004	1.14	0.014	0.054	0.03
50	4	5	ABAC 50005	27.2	27.7	<0.01	0.07	0.012	0.78	0.62	9.90	0.15	<0.002	0.04	0.022	58.9	12.9	0.03	0.005	0.99	0.014	0.015	0.03
50	5	6	ABAC 50006	29.2	25.5	0.02	0.06	0.018	0.93	0.59	9.21	0.15	0.003	0.05	0.023	61.7	15.7	0.031	0.004	0.87	0.017	0.014	0.03
50	6	7	ABAC 50007	26.6	26.8	0.02	0.06	0.010	0.66	0.60	9.72	0.14	<0.002	0.04	0.026	60.2	14.2	0.052	0.006	0.92	0.011	0.021	0.03
50	6	7	Dup 50007.1	28.2	26.8	0.01	0.06	0.012	0.66	0.60	9.78	0.14	<0.002	0.04	0.031	59.6	13.6	0.062	0.006	0.90	0.012	0.021	0.03
50	7	8	ABAC 50008	28.7	29.6	0.03	0.05	0.012	0.71	0.77	10.52	0.18	0.002	0.05	0.035	56.6	10.6	0.069	0.008	0.84	0.014	0.007	0.02

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
50	8	9	ABAC 50009	33.9	31.3	0.02	0.04	0.009	0.64	0.83	10.88	0.17	0.002	0.03	0.025	54.3	8.3	0.023	0.004	0.96	0.015	0.002	0.03
50	9	10	ABAC 50010	39.5	31.6	0.02	0.05	0.014	0.76	0.82	11.10	0.17	0.003	0.03	0.055	53.6	7.6	0.061	0.017	0.98	0.014	0.008	0.03
50	10	11	ABAC 50011	40.1	30.7	0.02	0.04	0.011	0.63	0.90	10.72	0.19	<0.002	0.04	0.087	55.2	9.2	0.11	0.030	0.94	0.013	0.002	0.03
50	11	12	ABAC 50012	35.7	31.2	0.02	0.03	0.009	0.61	1.03	10.83	0.20	0.002	0.03	0.035	54.2	8.2	0.03	0.008	0.99	0.012	0.003	0.03
50	12	13	ABAC 50013	37.1	30.5	0.02	0.03	0.009	0.61	1.02	10.63	0.19	0.002	0.03	0.079	55.1	9.1	0.130	0.027	0.94	0.011	0.002	0.02
50	13	14	ABAC 50014	34.2	30.3	0.02	0.04	0.009	0.60	0.96	10.50	0.19	<0.002	0.03	0.044	55.8	9.8	0.065	0.013	0.85	0.015	0.002	0.02
50	14	15	ABAC 50015	29.7	29.8	0.02	0.03	0.012	0.66	0.97	10.24	0.19	0.003	0.04	0.025	56.4	10.4	0.026	0.005	0.93	0.012	0.003	0.03
50	15	16	ABAC 50016	35.9	29.1	0.02	0.04	0.013	0.66	1.02	9.98	0.21	0.003	0.04	0.035	57.2	11.2	0.04	0.008	0.84	0.015	0.008	0.02
50	16	17	ABAC 50017	41.2	30.4	0.02	0.04	0.010	0.64	0.99	10.57	0.21	0.003	0.04	0.06	55.4	9.4	0.13	0.018	0.80	0.017	0.004	0.03
50	17	18	ABAC 50018	35.6	30.2	0.01	0.04	0.009	0.81	0.92	10.29	0.19	0.003	0.03	0.032	56.0	10	0.03	0.006	0.80	0.015	0.003	0.03
50	18	19	ABAC 50019	52.7	23.1	0.03	0.05	0.012	2.89	1.16	8.01	0.26	0.005	0.04	0.058	62.5	16.5	0.05	0.011	1.07	0.021	0.005	0.05
50	19	20	ABAC 50020	52.4	20.7	0.02	0.05	0.013	13.80	1.04	8.70	0.25	0.012	0.04	0.100	53.6	7.6	0.03	0.004	0.88	0.034	0.013	0.04
50	20	21	ABAC 50021	52.5	23.6	0.02	0.07	0.010	2.65	1.41	8.13	0.34	0.003	0.06	0.045	61.5	15.5	0.02	0.005	0.95	0.020	0.006	0.04
50	21	22	ABAC 50022	77.1	21.6	0.02	0.08	0.012	7.54	1.64	7.98	0.43	0.01	0.08	0.086	58.3	12.3	0.032	0.005	0.93	0.023	0.021	0.04
50	22	23	ABAC 50023	66.2	20.1	0.02	0.10	0.009	10.30	1.64	7.75	0.44	0.008	0.07	0.072	57.4	11.4	0.032	0.004	0.85	0.017	0.018	0.04
50			Std 50023.9		23.2	<0.01	0.65	0.015	2.43	0.60	0.64	0.78	0.19	0.94	0.042	63.7	17.7	0.045	0.003	0.05	<0.001	0.007	0.01
50	23	24	ABAC 50024	73.0	20.9	0.03	0.13	0.009	7.42	1.82	7.62	0.62	0.007	0.10	0.050	58.3	12.3	0.024	0.005	0.92	0.015	0.021	0.04
50	24	25	ABAC 50025	76.9	20.8	0.03	0.15	0.010	6.03	2.01	7.32	0.68	0.005	0.11	0.056	59.7	13.7	0.025	0.006	0.92	0.018	0.026	0.04
50	25	26	ABAC 50026	75.8	21.8	0.04	0.16	0.010	3.04	2.20	7.63	0.83	0.01	0.26	0.070	61.0	15	0.049	0.006	0.92	0.017	0.029	0.04
50	26	27	ABAC 50027	71.4	22.4	0.04	0.19	0.011	2.74	2.24	7.92	0.87	0.01	0.29	0.061	59.9	13.9	0.057	0.006	0.88	0.015	0.032	0.03
50	27	28	ABAC 50028	67.4	22.3	0.04	0.15	0.010	3.18	2.33	7.73	0.81	0.01	0.24	0.071	59.7	13.7	0.050	0.006	0.88	0.014	0.028	0.04
50	28	29	ABAC 50029	47.2	21.4	0.10	0.16	0.012	4.88	2.59	7.93	0.73	0.007	0.30	0.051	59.0	13	0.078	0.007	0.80	0.015	0.032	0.03
50	29	30	ABAC 50030	32.5	22.0	0.07	0.14	0.010	2.99	2.94	8.00	0.55	0.006	0.21	0.044	60.7	14.7	0.053	0.006	0.82	0.014	0.028	0.03
50	30	31	ABAC 50031	41.1	22.3	0.12	0.14	0.011	3.51	3.05	8.12	0.61	0.007	0.22	0.072	59.3	13.3	0.071	0.006	0.84	0.017	0.037	0.03
50	31	32	ABAC 50032	36.8	22.8	0.11	0.12	0.011	2.22	3.16	8.01	0.55	0.008	0.21	0.040	60.2	14.2	0.063	0.006	0.87	0.015	0.024	0.03
50	32	33	ABAC 50033	36.9	24.7	0.07	0.08	0.008	2.14	2.89	7.82	0.63	0.005	0.10	0.047	58.9	12.9	0.043	0.008	1.03	0.015	0.023	0.03
50	33	34	ABAC 50034	43.4	26.0	0.06	0.07	0.010	1.82	2.44	8.47	0.54	0.004	0.07	0.068	57.8	11.8	0.041	0.010	0.97	0.016	0.043	0.03
50	34	35	ABAC 50035	42.4	26.5	0.04	0.07	0.011	1.60	2.14	8.68	0.43	0.004	0.07	0.062	58.4	12.4	0.058	0.011	0.98	0.019	0.016	0.03
50	35	36	ABAC 50036	35.1	27.3	0.03	0.06	0.010	1.36	1.86	9.19	0.36	0.004	0.05	0.058	57.7	11.7	0.130	0.011	0.84	0.017	0.012	0.03
50	36	37	ABAC 50037	31.5	27.5	0.02	0.05	0.010	1.41	1.51	9.27	0.30	0.006	0.04	0.059	58.0	12	0.063	0.011	0.89	0.019	0.017	0.03
50	37	38	ABAC 50038	26.9	27.1	0.05	0.04	0.011	1.83	1.17	9.45	0.24	0.005	0.03	0.047	58.1	12.1	0.052	0.008	0.85	0.023	0.012	0.03
50	38	39	ABAC 50039	25.7	27.3	0.02	0.04	0.014	2.04	1.02	9.64	0.21	0.005	0.03	0.046	57.6	11.6	0.025	0.006	0.88	0.021	0.011	0.03
50	39	40	ABAC 50040	22.9	25.0	0.02	0.04	0.013	1.82	0.83	8.90	0.17	0.005	0.03	0.043	61.5	15.5	0.026	0.006	0.78	0.018	0.027	0.02

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
50	40	41	ABAC 50041	19.2	25.6	0.02	0.04	0.016	1.50	0.72	9.12	0.15	0.007	0.03	0.042	61.1	15.1	0.021	0.006	0.84	0.016	0.017	0.03
50	41	42	ABAC 50042	22.3	18.7	0.02	0.03	0.024	1.72	0.55	6.78	0.12	0.01	0.02	0.033	70.5	24.5	0.031	0.005	0.75	0.011	0.033	0.03
50	42	43	ABAC 50043	21.5	26.2	0.02	0.03	0.012	1.30	0.84	9.18	0.18	0.006	0.03	0.037	60.8	14.8	0.022	0.006	0.83	0.016	0.027	0.03
50	43	44	ABAC 50044	28.0	28.5	0.02	0.03	0.013	0.91	0.97	9.87	0.20	0.00	0.03	0.035	58.4	12.4	0.021	0.005	0.82	0.016	0.005	0.02
50	44	45	ABAC 50045	28.4	28.5	0.02	0.03	0.010	0.92	0.98	9.87	0.20	0.003	0.03	0.036	57.8	11.8	0.020	0.005	0.86	0.016	0.006	0.03
50	45	46	ABAC 50046	26.6	27.7	0.02	0.03	0.010	1.00	0.93	9.48	0.19	0.005	0.02	0.036	58.8	12.8	0.020	0.005	0.80	0.014	0.015	0.03
50	46	47	ABAC 50047	24.4	27.8	0.01	0.03	0.014	1.11	0.91	9.61	0.17	0.005	0.02	0.039	58.3	12.3	0.020	0.006	1.04	0.019	0.006	0.03
50	47	48	ABAC 50048	26.4	26.9	0.02	0.03	0.013	1.10	0.87	9.29	0.16	0.004	0.03	0.040	59.9	13.9	0.018	0.005	0.89	0.015	0.005	0.03
51	0	1	ABAC 51001	33.4	24.6	0.03	0.21	0.012	1.70	0.50	14.37	0.19	0.005	0.24	0.62	54.6	8.6	0.08	0.007	1.23	0.014	0.039	0.04
51	1	2	ABAC 51002	34.5	29.5	0.03	0.11	0.010	0.89	0.66	11.08	0.19	0.002	0.07	0.23	55.2	9.2	0.03	0.01	1.22	0.011	0.024	0.03
51	2	3	ABAC 51003	31.6	26.5	0.04	0.18	0.025	0.68	0.78	10.23	0.19	0.011	0.16	0.49	58.7	12.7	0.05	0.007	1.12	0.010	0.003	0.03
51	3	4	ABAC 51004	35.3	30.2	0.02	0.12	0.012	0.76	0.94	10.50	0.22	<0.002	0.07	0.220	55.4	9.4	0.03	0.007	1.10	0.015	0.010	0.03
51	4	5	ABAC 51005	48.3	27.8	0.03	0.12	0.010	1.35	0.98	9.70	0.24	0.003	0.06	0.200	58.1	12.1	0.03	0.008	1.12	0.021	0.002	0.04
51	5	6	ABAC 51006	64.7	21.3	0.03	0.07	0.012	3.42	1.07	8.38	0.25	0.005	0.39	0.260	62.9	16.9	0.084	0.006	1.07	0.027	0.003	0.04
51	6	7	ABAC 51007	53.3	25.8	0.04	0.07	0.011	1.88	1.13	9.45	0.24	0.003	0.04	0.150	59.6	13.6	0.290	0.017	1.01	0.027	0.004	0.04
51	7	8	ABAC 51008	59.8	24.4	0.03	0.07	0.011	4.09	1.20	9.02	0.28	0.004	0.06	0.180	59.4	13.4	0.110	0.009	0.98	0.024	0.004	0.04
51	8	9	ABAC 51009	63.6	22.9	0.02	0.08	0.008	2.55	1.21	8.15	0.28	0.003	0.06	0.160	63.2	17.2	0.060	0.008	0.95	0.013	0.002	0.04
51	9	10	ABAC 51010	73.7	22.6	0.03	0.07	0.010	3.17	1.41	7.94	0.34	0.005	0.06	0.055	62.9	16.9	0.029	0.005	0.98	0.013	0.005	0.04
51	10	11	ABAC 51011	70.0	21.6	0.03	0.12	0.008	5.73	1.58	8.44	0.40	0.009	0.33	0.250	59.2	13.2	0.120	0.005	0.93	0.017	0.007	0.04
51	11	12	ABAC 51012	69.8	23.0	0.03	0.09	0.012	2.87	1.65	9.08	0.48	0.006	0.59	0.290	60.5	14.5	0.13	0.005	0.86	0.014	0.007	0.03
51	12	13	ABAC 51013	59.2	23.1	0.03	0.24	0.008	2.47	1.65	8.32	0.53	0.005	0.51	0.360	61.1	15.1	0.07	0.005	0.77	0.012	0.030	0.03
51	13	14	ABAC 51014	56.8	24.4	0.03	0.11	0.009	2.64	1.90	8.72	0.55	0.005	0.57	0.260	59.5	13.5	0.086	0.006	0.83	0.013	0.024	0.03
51	14	15	ABAC 51015	45.8	23.3	0.06	0.20	0.007	7.95	2.10	9.13	0.54	0.014	0.59	0.380	54.5	8.5	0.100	0.006	0.75	0.014	0.022	0.03
51	15	16	ABAC 51016	42.8	24.3	0.06	0.17	0.008	5.45	2.38	9.05	0.56	0.011	0.63	0.550	55.8	9.8	0.082	0.007	0.83	0.012	0.028	0.03
51	16	17	ABAC 51017	43.5	24.0	0.05	0.12	0.012	8.27	2.29	9.35	0.54	0.012	0.46	0.330	53.4	7.4	0.10	0.006	0.82	0.014	0.033	0.03
51	17	18	ABAC 51018	42.4	24.6	0.05	0.13	0.014	5.92	2.29	9.21	0.54	0.009	0.36	0.32	55.2	9.2	0.14	0.008	0.94	0.017	0.029	0.03
51	18	19	ABAC 51019	43.3	25.9	0.05	0.11	0.011	3.48	2.28	8.61	0.51	0.006	0.09	0.210	57.2	11.2	0.11	0.009	1.00	0.016	0.016	0.03
51	19	20	ABAC 51020	34.5	25.9	0.04	0.06	0.012	1.03	2.08	8.29	0.35	0.004	0.13	0.140	60.4	14.4	0.05	0.008	0.94	0.015	0.006	0.03
51	20	21	ABAC 51021	41.5	27.2	0.03	0.12	0.011	1.31	1.89	9.77	0.38	0.004	0.53	0.530	56.6	10.6	0.24	0.011	0.92	0.017	0.011	0.03
51	21	22	ABAC 51022	31.2	26.8	0.03	0.09	0.017	1.66	1.43	8.92	0.29	0.007	0.07	0.170	59.1	13.1	0.07	0.009	0.86	0.019	0.008	0.02
51	22	23	ABAC 51023	24.1	25.8	0.03	0.08	0.019	1.81	1.05	8.77	0.23	0.008	0.04	0.150	60.2	14.2	0.051	0.012	0.89	0.020	0.012	0.03
51	23	24	ABAC 51024	19.6	24.4	0.02	0.09	0.018	1.70	0.91	8.22	0.19	0.009	0.06	0.170	63.0	17	0.026	0.007	0.85	0.016	0.012	0.02

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
51	23	24	Dup 51024.1	22.0	22.6	0.02	0.34	0.019	1.72	0.92	11.98	0.29	0.01	1.99	0.870	57.8	11.8	0.420	0.009	0.81	0.017	0.043	0.03
51	24	25	ABAC 51025	17.3	21.6	0.02	0.22	0.021	1.69	0.69	9.29	0.18	0.01	0.22	0.830	63.3	17.3	0.056	0.008	0.73	0.012	0.280	0.02
51	25	26	ABAC 51026	20.4	25.9	0.02	0.14	0.014	1.23	0.81	10.29	0.17	0.005	0.21	0.560	59.0	13	0.045	0.007	0.72	0.013	0.038	0.02
51	26	27	ABAC 51027	24.3	26.9	0.02	0.09	0.013	1.04	0.95	10.48	0.18	0.00	0.20	0.450	58.1	12.1	0.041	0.007	0.82	0.018	0.015	0.02
51	27	28	ABAC 51028	32.1	28.6	0.02	0.14	0.009	0.82	1.12	10.64	0.24	0.00	0.10	0.320	56.3	10.3	0.054	0.008	0.94	0.017	0.004	0.03
51	28	29	ABAC 51029	37.1	30.6	0.02	0.04	0.010	0.64	1.20	10.51	0.24	<0.002	0.08	0.130	54.7	8.7	0.016	0.007	0.87	0.018	0.003	0.03
51	29	30	ABAC 51030	33.8	27.6	0.02	0.16	0.012	0.78	1.08	9.41	0.26	0.003	0.04	0.270	59.4	13.4	0.019	0.008	1.02	0.017	0.003	0.03
51	30	31	ABAC 51031	19.0	26.0	0.02	0.04	0.012	0.88	0.84	9.03	0.16	0.004	0.06	0.098	61.2	15.2	0.018	0.006	1.11	0.014	0.030	0.03
51	31	32	ABAC 51032	22.8	25.9	0.02	0.16	0.010	0.82	0.86	9.04	0.18	0.003	0.06	0.280	61.0	15	0.027	0.008	0.87	0.013	0.012	0.02
51	32	33	ABAC 51033	24.3	27.4	0.02	0.19	0.011	0.88	0.91	9.43	0.20	<0.002	0.07	0.320	59.6	13.6	0.014	0.009	0.84	0.013	0.007	0.02
51	33	34	ABAC 51034	21.3	26.2	0.02	0.20	0.009	1.05	0.83	9.11	0.17	0.004	0.06	0.340	60.5	14.5	0.019	0.007	0.75	0.013	0.013	0.02
51	34	35	ABAC 51035	28.6	29.0	0.02	0.12	0.008	0.93	1.02	9.95	0.21	0.002	0.05	0.240	57.4	11.4	0.013	0.008	0.79	0.013	0.006	0.02
51	35	36	ABAC 51036	27.1	27.9	0.03	0.20	0.010	0.95	1.02	9.60	0.23	0.003	0.04	0.340	58.3	12.3	0.010	0.009	0.88	0.013	0.004	0.02
51	36	37	ABAC 51037	22.7	25.7	0.02	0.12	0.009	0.85	0.96	8.83	0.20	<0.002	0.05	0.230	61.2	15.2	0.014	0.008	0.88	0.014	0.003	0.02
51	37	38	ABAC 51038	28.9	27.8	0.02	0.13	0.009	0.85	1.04	9.52	0.23	0.003	0.04	0.240	59.0	13	0.015	0.010	0.88	0.014	0.003	0.02
51	38	39	ABAC 51039	27.3	27.1	0.02	0.13	0.009	0.92	0.97	9.88	0.18	0.002	0.05	0.380	58.6	12.6	0.025	0.013	0.84	0.016	0.003	0.02
51	39	40	ABAC 51040	29.4	28.1	0.02	0.03	0.014	1.01	1.06	10.13	0.21	0.003	0.06	0.230	57.7	11.7	0.036	0.008	0.87	0.020	0.018	0.03
51	40	41	ABAC 51041	29.5	27.8	0.02	0.11	0.012	0.76	1.16	9.84	0.25	0.004	0.14	0.300	58.3	12.3	0.026	0.010	1.13	0.018	0.006	0.03
51	41	42	ABAC 51042	28.6	27.0	0.02	0.02	0.010	0.79	1.04	10.07	0.20	0.002	0.06	0.290	58.6	12.6	0.028	0.012	0.87	0.016	0.004	0.03
51	42	43	ABAC 51043	32.2	27.4	0.02	0.05	0.011	0.88	1.11	9.68	0.22	<0.002	0.08	0.200	58.4	12.4	0.017	0.008	0.94	0.018	0.004	0.03
51	43	44	ABAC 51044	21.7	25.9	0.01	0.05	0.011	1.52	0.91	9.61	0.17	0.003	0.21	0.290	59.8	13.8	0.034	0.007	0.82	0.012	0.007	0.02
51	44	45	ABAC 51045	21.8	24.5	0.02	0.18	0.010	1.67	0.83	9.29	0.19	0.00	0.10	0.300	61.6	15.6	0.074	0.006	0.76	0.013	0.004	0.02
51	45	46	ABAC 51046	23.7	25.0	0.02	0.06	0.010	1.81	0.93	9.21	0.20	0.005	0.19	0.280	60.7	14.7	0.037	0.006	0.70	0.013	0.024	0.02
51	46	47	ABAC 51047	19.8	24.2	0.02	0.19	0.021	1.39	0.88	8.82	0.21	0.006	0.15	0.370	63.1	17.1	0.037	0.007	0.66	0.016	0.007	0.02
51	47	48	ABAC 51048	24.8	23.8	0.02	0.19	0.022	1.11	1.15	8.70	0.24	0.01	0.23	0.430	62.5	16.5	0.044	0.007	0.97	0.016	0.004	0.03
51			Std 51031.9		23.3	<0.01	0.65	0.019	2.48	0.61	0.69	0.80	0.19	0.95	0.043	64.4	18.4	0.042	0.003	0.06	0.005	0.007	0.00
52	0	1	ABAC 52001	67.9	26.3	0.02	0.06	0.011	3.87	0.90	10.50	0.30	0.003	0.15	0.30	55.8	9.8	0.02	0.006	0.99	0.019	0.006	0.035
52	1	2	ABAC 52002	71.3	24.1	0.03	0.06	0.012	2.25	1.28	9.05	0.36	0.004	0.07	0.09	60.7	14.7	0.04	0.01	0.98	0.016	0.002	0.037
52	2	3	ABAC 52003	74.7	23.5	0.02	0.07	0.008	1.67	1.39	8.51	0.36	0.002	0.13	0.21	62.2	16.2	0.03	0.005	0.97	0.010	0.002	0.035
52	3	4	ABAC 52004	58.7	24.9	0.03	0.08	0.010	2.20	1.45	9.18	0.38	0.004	0.06	0.190	59.9	13.9	0.03	0.005	0.95	0.014	0.005	0.034
52	4	5	ABAC 52005	31.2	25.7	0.02	0.07	0.007	1.52	1.54	9.44	0.34	0.003	0.06	0.260	59.3	13.3	0.03	0.005	1.04	0.014	0.003	0.030
52	5	6	ABAC 52006	47.0	26.0	0.02	0.09	0.007	2.78	1.60	9.52	0.38	0.005	0.36	0.340	56.8	10.8	0.058	0.006	0.91	0.015	0.004	0.033

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
52	6	7	ABAC 52007	52.3	25.9	0.03	0.11	0.007	2.96	1.74	9.24	0.39	0.006	0.10	0.350	57.3	11.3	0.028	0.007	0.93	0.015	0.006	0.033
52	7	8	ABAC 52008	37.6	27.1	0.03	0.08	0.010	3.24	1.78	9.77	0.39	0.007	0.07	0.280	55.1	9.1	0.025	0.006	0.90	0.021	0.006	0.027
52	8	9	ABAC 52009	34.2	27.3	0.03	0.14	0.007	1.98	1.89	9.56	0.40	0.004	0.09	0.390	56.7	10.7	0.022	0.006	1.06	0.018	0.005	0.032
52	9	10	ABAC 52010	43.8	26.2	0.04	0.08	0.009	5.72	1.72	9.25	0.39	0.012	0.05	0.120	54.5	8.5	0.024	0.007	1.01	0.021	0.010	0.034
52	10	11	ABAC 52011	44.1	26.4	0.02	0.10	0.012	3.29	1.67	9.68	0.39	0.009	0.23	0.280	56.5	10.5	0.048	0.006	0.98	0.017	0.005	0.035
52	11	12	ABAC 52012	38.3	25.7	0.03	0.05	0.013	1.90	1.60	9.36	0.33	0.003	0.05	0.190	58.5	12.5	0.06	0.006	0.94	0.017	0.004	0.029
52	12	13	ABAC 52013	28.6	27.8	0.02	0.09	0.009	1.41	1.41	10.02	0.28	0.002	0.06	0.330	56.5	10.5	0.03	0.006	0.97	0.019	0.005	0.025
52	13	14	ABAC 52014	26.0	26.1	0.03	0.10	0.011	1.03	1.14	9.93	0.24	0.004	0.09	0.260	59.6	13.6	0.058	0.008	0.86	0.021	0.003	0.025
52	14	15	ABAC 52015	23.9	29.4	0.02	0.10	0.009	1.00	1.08	11.29	0.23	0.003	0.08	0.250	54.9	8.9	0.056	0.008	0.80	0.019	0.002	0.019
52	15	16	ABAC 52016	20.4	27.0	0.02	0.12	0.009	0.69	0.78	9.43	0.16	0.003	0.03	0.180	60.0	14	0.021	0.008	0.77	0.015	0.006	0.019
52	16	17	ABAC 52017	22.1	28.6	0.02	0.10	0.008	0.58	0.93	10.22	0.19	0.002	0.04	0.260	57.5	11.5	0.02	0.009	0.81	0.011	0.004	0.019
52	17	18	ABAC 52018	19.0	27.7	0.01	0.12	0.010	0.62	0.75	10.34	0.15	0.002	0.03	0.27	58.5	12.5	0.04	0.008	0.82	0.013	0.003	0.020
52	18	19	ABAC 52019	23.6	26.8	0.02	0.14	0.011	0.81	0.85	9.23	0.19	0.004	0.04	0.260	60.7	14.7	0.02	0.008	0.90	0.015	0.010	0.025
52	19	20	ABAC 52020	24.9	27.4	0.01	0.12	0.010	0.79	0.95	10.26	0.18	0.004	0.03	0.220	58.8	12.8	0.04	0.006	1.06	0.015	0.002	0.028
52	20	21	ABAC 52021	27.7	28.2	0.01	0.12	0.010	0.72	0.93	10.48	0.19	0.002	0.04	0.260	57.4	11.4	0.04	0.006	0.86	0.014	0.001	0.025
52	21	22	ABAC 52022	38.4	28.8	0.02	0.07	0.007	0.65	1.07	10.34	0.21	0.002	0.08	0.200	56.6	10.6	0.03	0.008	0.97	0.013	0.001	0.029
52	22	23	ABAC 52023	33.5	28.3	0.01	0.10	0.009	0.71	1.08	10.47	0.21	0.002	0.03	0.280	56.8	10.8	0.028	0.008	1.02	0.016	<0.001	0.027
52	23	24	ABAC 52024	30.1	27.5	0.02	0.09	0.010	0.79	0.98	9.85	0.20	0.003	0.14	0.210	58.6	12.6	0.036	0.009	1.02	0.017	0.001	0.027
52	24	25	ABAC 52025	24.4	27.3	0.02	0.12	0.010	0.86	0.96	9.65	0.20	0.004	0.08	0.230	59.0	13	0.027	0.007	1.14	0.014	0.008	0.030
52	25	26	ABAC 52026	24.4	26.9	0.01	0.08	0.012	0.85	0.91	9.21	0.19	0.003	0.04	0.160	59.7	13.7	0.014	0.007	1.16	0.013	0.003	0.027
52	26	27	ABAC 52027	17.6	23.2	0.02	0.09	0.011	0.85	0.81	8.53	0.17	0.003	0.07	0.180	64.1	18.1	0.042	0.007	1.08	0.012	0.002	0.031
52	27	28	ABAC 52028	21.2	26.0	0.02	0.09	0.010	0.88	0.86	9.02	0.18	0.00	0.04	0.160	60.7	14.7	0.017	0.007	1.10	0.013	0.003	0.027
52	28	29	ABAC 52029	21.7	25.7	0.01	0.08	0.011	0.78	0.82	9.68	0.16	0.00	0.07	0.180	60.4	14.4	0.036	0.006	1.01	0.013	0.001	0.027
52	29	30	ABAC 52030	15.4	23.7	0.02	0.10	0.013	0.79	0.78	8.49	0.17	0.01	0.06	0.230	64.5	18.5	0.037	0.006	0.79	0.010	0.002	0.021
52	30	31	ABAC 52031	27.0	26.7	0.02	0.13	0.010	0.82	0.95	10.06	0.21	0.004	0.04	0.300	59.6	13.6	0.034	0.007	0.92	0.014	0.004	0.023
52	31	32	ABAC 52032	31.4	26.8	0.02	0.10	0.010	0.79	1.09	9.77	0.22	0.002	0.04	0.250	59.6	13.6	0.032	0.008	0.87	0.012	0.002	0.024
52	32	33	ABAC 52033	32.1	28.1	0.02	0.11	0.012	0.85	1.06	10.47	0.22	0.003	0.04	0.270	56.9	10.9	0.032	0.008	0.93	0.016	0.002	0.027
52	32	33	Dup 52033.1	33.0	27.6	0.02	0.14	0.012	0.84	1.04	10.21	0.22	0.003	0.03	0.370	58.0	12	0.030	0.007	0.93	0.014	0.002	0.027
52	33	34	ABAC 52034	23.0	25.6	0.02	0.16	0.011	0.95	0.87	9.75	0.20	0.004	0.04	0.370	60.8	14.8	0.033	0.007	0.96	0.015	0.039	0.025
52	34	35	ABAC 52035	26.2	26.3	0.01	0.07	0.012	0.90	0.88	9.59	0.17	0.003	0.02	0.190	60.3	14.3	0.029	0.008	0.85	0.018	0.005	0.023
52	35	36	ABAC 52036	27.1	25.2	0.02	0.08	0.012	0.96	0.96	8.60	0.20	0.003	0.03	0.150	62.0	16	0.009	0.006	0.88	0.016	0.003	0.024
52	36	37	ABAC 52037	29.2	26.4	0.01	0.12	0.010	0.85	1.10	9.70	0.23	0.003	0.03	0.290	60.0	14	0.032	0.009	0.91	0.018	0.003	0.023
52	37	38	ABAC 52038	28.6	25.5	0.02	0.11	0.012	0.85	1.10	9.58	0.24	0.003	0.04	0.270	60.3	14.3	0.036	0.008	0.95	0.016	0.002	0.025

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
52	38	39	ABAC 52039	25.5	24.5	0.01	0.12	0.012	0.96	1.06	8.92	0.23	0.004	0.04	0.270	62.1	16.1	0.028	0.007	0.80	0.015	0.003	0.024
52			Std 52039.9		23.2	<0.01	0.64	0.014	2.46	0.60	0.71	0.78	0.19	0.93	0.043	63.8	17.8	0.043	0.003	0.06	0.004	0.007	0.002
52	39	40	ABAC 52040	25.7	23.3	0.02	0.06	0.011	0.94	1.26	7.85	0.23	0.004	0.05	0.097	65.1	19.1	0.013	0.006	0.79	0.014	0.004	0.024
52	40	41	ABAC 52041	30.8	26.4	0.02	0.13	0.007	0.96	1.75	10.05	0.33	0.003	0.05	0.420	58.6	12.6	0.038	0.008	0.81	0.018	0.003	0.022
52	41	42	ABAC 52042	28.0	25.5	0.03	0.12	0.015	0.91	2.05	9.03	0.34	0.009	0.30	0.220	60.1	14.1	0.057	0.008	0.94	0.016	0.003	0.027
52	42	43	ABAC 52043	29.2	25.9	0.05	0.13	0.009	0.89	2.32	8.82	0.36	0.005	0.29	0.240	60.2	14.2	0.051	0.008	0.84	0.015	0.005	0.025
52	43	44	ABAC 52044	24.7	25.7	0.05	0.15	0.010	1.03	2.59	8.77	0.39	0.005	0.44	0.310	59.3	13.3	0.068	0.012	0.89	0.016	0.005	0.024
52	44	45	ABAC 52045	26.1	24.2	0.07	0.16	0.010	0.99	3.01	8.08	0.35	0.00	0.41	0.380	60.9	14.9	0.130	0.010	0.90	0.012	0.007	0.024
52	45	46	ABAC 52046	24.6	23.9	0.07	0.13	0.010	1.22	2.95	8.63	0.31	0.006	0.08	0.310	60.9	14.9	0.240	0.011	0.95	0.014	0.005	0.027
52	46	47	ABAC 52047	33.1	24.9	0.07	0.16	0.013	1.19	3.22	8.19	0.49	0.01	0.40	0.370	59.3	13.3	0.068	0.012	1.14	0.018	0.007	0.034
52	47	48	ABAC 52048	29.9	22.3	0.10	0.13	0.010	1.05	3.99	6.75	0.32	0.006	0.15	0.290	64.1	18.1	0.058	0.012	0.81	0.014	0.004	0.023
52	48	49	ABAC 52049	26.6	23.6	0.10	0.21	0.011	1.10	4.31	7.11	0.41	0.007	0.42	0.410	61.1	15.1	0.070	0.011	1.06	0.017	0.007	0.026
52	49	50	ABAC 52050	29.3	21.1	0.10	0.19	0.011	1.32	4.52	7.44	0.35	0.007	0.13	0.450	62.9	16.9	0.072	0.011	0.82	0.015	0.005	0.026
52	50	51	ABAC 52051	24.79	22.2	0.09	0.18	0.009	1.55	4.08	8.38	0.33	0.004	0.39	0.490	60.9	14.9	0.091	0.014	0.77	0.014	0.004	0.028
53	0	1	ABAC 53 001	43.6	30.7	0.03	0.06	0.008	1.23	0.27	12.91	0.07	<0.01	0.06	0.10	51.8	5.8	0.24	0.037	1.43	0.020	0.006	0.06
53	1	2	ABAC 53 002	43.5	31.5	0.12	0.05	0.010	0.98	0.41	12.67	0.07	<0.01	0.09	0.21	50.8	4.8	0.86	0.11	1.55	0.016	0.004	0.06
53	2	3	ABAC 53 003	27.2	31.3	0.06	0.07	0.012	0.94	0.69	12.34	0.11	<0.01	0.08	0.15	51.4	5.4	0.95	0.073	1.34	0.018	0.003	0.05
53	3	4	ABAC 53 004	33.5	29.7	0.03	0.04	0.009	0.80	0.77	10.68	0.17	<0.01	0.07	0.052	54.6	8.6	0.12	0.014	1.42	0.020	0.004	0.05
53	4	5	ABAC 53 005	42	27.4	0.02	0.05	0.008	0.75	1.00	9.58	0.22	<0.01	0.07	0.043	58.1	12.1	0.065	0.011	1.32	0.018	<0.002	0.05
53	5	6	ABAC 53 006	39	27.9	<0.01	0.04	0.008	0.73	0.96	9.81	0.22	<0.01	0.08	0.038	56.8	10.8	0.046	0.008	1.16	0.019	<0.002	0.04
53	6	7	ABAC 53 007	32.4	30.9	<0.01	0.03	0.008	0.74	0.85	10.80	0.18	<0.01	0.05	0.040	54.3	8.3	0.055	0.009	0.97	0.019	<0.002	0.03
53	7	8	ABAC 53 008	25.7	31.8	0.01	0.03	0.008	0.80	0.76	11.17	0.14	<0.01	0.06	0.037	53.7	7.7	0.063	0.007	0.92	0.016	0.002	0.03
53	8	9	ABAC 53 009	27	31.0	0.01	0.03	0.007	0.81	0.76	11.11	0.14	<0.01	0.06	0.043	53.2	7.2	0.090	0.008	0.96	0.019	0.002	0.03
53	8	9	Dup 53 009 .1	27.2	31.4	<0.01	0.03	0.009	0.83	0.77	11.11	0.15	<0.01	0.05	0.043	54.1	8.1	0.094	0.009	0.98	0.020	<0.002	0.03
53	9	10	ABAC 53 010	37.7	30.8	0.03	0.03	0.009	0.80	1.16	11.23	0.21	<0.01	0.07	0.073	52.8	6.8	0.45	0.023	1.01	0.021	0.007	0.03
53	10	11	ABAC 53 011	32.4	29.0	0.02	0.03	0.010	1.01	0.90	10.27	0.18	<0.01	0.07	0.052	56.8	10.8	0.20	0.010	1.16	0.023	0.004	0.04
53	11	12	ABAC 53 012	37.1	30.3	0.01	0.02	0.008	0.80	1.15	10.48	0.22	<0.01	0.07	0.044	54.7	8.7	0.058	0.007	1.02	0.020	0.002	0.03
53	12	13	ABAC 53 013	34.4	30.0	0.02	0.02	0.007	0.78	1.13	10.37	0.21	<0.01	0.06	0.044	55.0	9.0	0.051	0.007	1.00	0.019	0.003	0.03
53	13	14	ABAC 53 014	31.7	30.1	0.02	0.03	0.007	0.82	1.08	10.34	0.20	<0.01	0.05	0.049	56.1	10.1	0.076	0.008	1.07	0.021	<0.002	0.04
53	14	15	ABAC 53 015	29.1	30.1	0.03	0.03	0.009	0.83	1.04	10.64	0.21	<0.01	0.06	0.053	54.8	8.8	0.19	0.010	1.10	0.022	0.002	0.03
53	15	16	ABAC 53 016	48.6	29.5	0.04	0.04	0.012	0.89	1.37	11.59	0.22	<0.01	0.08	0.12	54.6	8.6	1.39	0.046	1.12	0.022	0.007	0.05
53	16	17	ABAC 53 017	30.1	27.6	0.02	0.03	0.013	0.92	0.85	10.00	0.16	<0.01	0.08	0.060	57.7	11.7	0.34	0.015	1.05	0.020	0.007	0.04

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
53	17	18	ABAC 53 018	34.5	29.5	0.02	0.03	0.011	0.90	1.09	10.21	0.20	<0.01	0.07	0.053	55.7	9.7	0.11	0.009	1.07	0.028	0.004	0.04
53	18	19	ABAC 53 019	50.6	28.8	0.03	0.03	0.012	0.85	1.25	10.02	0.25	<0.01	0.07	0.064	55.7	9.7	0.10	0.010	1.12	0.022	0.004	0.05
53	19	20	ABAC 53 020	27.7	29.3	0.02	0.02	0.009	0.82	1.03	10.23	0.18	<0.01	0.06	0.051	56.3	10.3	0.10	0.009	0.98	0.020	0.005	0.03
53	20	21	ABAC 53 021	21	29.5	0.02	0.02	0.010	0.94	0.91	10.17	0.16	<0.01	0.05	0.045	56.4	10.4	0.024	0.006	0.91	0.021	0.008	0.03
53	21	22	ABAC 53 022	23.1	27.5	0.02	0.02	0.010	1.17	0.89	9.44	0.14	<0.01	0.06	0.051	58.8	12.8	0.042	0.007	0.95	0.021	0.012	0.04
53	22	23	ABAC 53 023	20.5	26.4	<0.01	0.02	0.017	1.34	0.81	9.12	0.15	<0.01	0.06	0.051	60.3	14.3	0.029	0.008	0.90	0.019	0.012	0.03
53	23	24	ABAC 53 024	21.3	24.9	0.02	0.02	0.017	1.32	0.76	8.61	0.15	<0.01	0.05	0.043	62.5	16.5	0.030	0.007	0.94	0.017	0.009	0.04
53	24	25	ABAC 53 025	19.3	25.2	0.01	0.02	0.012	1.42	0.77	8.79	0.14	0.01	0.06	0.046	61.6	15.6	0.027	0.006	0.96	0.020	0.042	0.03
53			Std 53 025.9		23.0	<0.01	0.65	0.016	2.44	0.60	0.65	0.78	0.19	0.93	0.041	63.2		0.048	0.002	0.055	0.003	0.007	0.002
53	25	26	ABAC 53 026	20.4	24.5	0.01	0.02	0.018	1.49	0.76	8.45	0.12	0.01	0.06	0.047	62.4	16.4	0.018	0.005	1.02	0.020	0.016	0.04
53	26	27	ABAC 53 027	21.9	22.8	0.01	0.02	0.018	1.52	0.87	7.73	0.17	0.01	0.07	0.053	64.4	18.4	0.024	0.005	1.07	0.020	0.011	0.04
53	27	28	ABAC 53 028	30.8	26.4	0.02	0.04	0.012	1.26	1.50	8.79	0.30	<0.01	0.06	0.074	59.2	13.2	0.037	0.010	1.29	0.026	0.067	0.05
53	28	29	ABAC 53 029	33.9	28.4	0.01	0.04	0.011	1.18	1.55	9.37	0.32	<0.01	0.06	0.059	56.8	10.8	0.013	0.004	1.10	0.024	0.014	0.05
53	29	30	ABAC 53 030	36.1	27.6	0.03	0.05	0.013	1.07	1.66	9.22	0.35	<0.01	0.06	0.060	57.2	11.2	0.016	0.008	1.22	0.025	0.013	0.05
53	30	31	ABAC 53 031	55.5	27.4	0.03	0.06	0.012	1.03	1.91	8.91	0.43	<0.01	0.08	0.069	57.8	11.8	0.019	0.007	1.18	0.020	0.017	0.06
53	31	32	ABAC 53 032	33.2	29.4	0.02	0.07	0.010	0.93	2.01	9.50	0.40	<0.01	0.07	0.049	55.5	9.5	0.022	0.005	1.03	0.021	0.009	0.04
53	32	33	ABAC 53 033	23.7	28.4	0.03	0.06	0.011	1.06	2.06	9.29	0.35	<0.01	0.07	0.054	56.4	10.4	0.028	0.008	1.02	0.023	0.013	0.03
53	33	34	ABAC 53 034	19.7	27.7	0.03	0.06	0.012	1.26	2.20	9.01	0.33	<0.01	0.09	0.061	56.2	10.2	0.053	0.008	1.31	0.024	0.073	0.04
53	34	35	ABAC 53 035	28.5	27.8	0.04	0.08	0.015	1.35	2.67	8.67	0.47	<0.01	0.09	0.060	55.9	9.9	0.045	0.010	1.34	0.027	0.034	0.04
53	35	36	ABAC 53 036	25.8	27.2	0.05	0.07	0.011	1.22	2.84	8.48	0.39	<0.01	0.09	0.050	57.4	11.4	0.033	0.009	1.03	0.025	0.022	0.04
53	36	37	ABAC 53 037	28.9	28.0	0.06	0.07	0.010	1.12	2.85	8.56	0.37	<0.01	0.08	0.067	56.4	10.4	0.019	0.013	1.05	0.025	0.021	0.04
53	37	38	ABAC 53 038	35.6	27.9	0.07	0.07	0.008	1.14	3.33	8.42	0.44	<0.01	0.09	0.051	55.9	9.9	0.048	0.007	0.99	0.024	0.010	0.03
53	38	39	ABAC 53 039	30.1	26.3	0.08	0.07	0.013	1.19	3.59	7.68	0.38	<0.01	0.09	0.049	58.0	12.0	0.044	0.008	0.95	0.024	0.011	0.03
53	39	40	ABAC 53 040	29.6	24.8	0.08	0.07	0.013	1.27	3.73	7.14	0.36	0.01	0.09	0.051	60.0	14.0	0.020	0.007	1.02	0.022	0.024	0.04
53	40	41	ABAC 53 041	30.4	22.7	0.09	0.08	0.012	1.34	4.14	6.30	0.37	<0.01	0.11	0.054	62.6	16.6	0.035	0.008	1.17	0.021	0.009	0.07
53	41	42	ABAC 53 042	29.7	25.5	0.10	0.08	0.009	1.24	4.58	6.99	0.42	0.01	0.11	0.050	58.7	12.7	0.011	0.007	0.90	0.024	0.008	0.03
53	42	43	ABAC 53 043	30.6	23.2	0.09	0.09	0.016	1.57	4.18	6.66	0.42	<0.01	0.11	0.051	60.3	14.3	0.025	0.011	1.09	0.024	0.026	0.04
53	43	44	ABAC 53 044	30	24.9	0.07	0.12	0.010	1.73	4.11	6.98	0.50	<0.01	0.12	0.049	58.5	12.5	0.057	0.012	1.04	0.024	0.008	0.04
53	44	45	ABAC 53 045	44	23.8	0.05	0.17	0.008	1.81	3.34	7.30	0.63	<0.01	0.13	0.054	58.4	12.4	0.043	0.007	1.09	0.024	0.013	0.06
53	45	46	ABAC 53 046	43.4	22.0	0.08	0.19	0.013	2.20	3.26	6.72	0.61	<0.01	0.20	0.053	61.2	15.2	0.035	0.010	0.93	0.022	0.017	0.05
53	46	47	ABAC 53 047	59.7	21.6	0.04	0.24	0.006	1.85	2.43	6.88	0.62	<0.01	0.18	0.039	61.8	15.8	0.024	0.011	0.89	0.021	0.013	0.04
53	47	48	ABAC 53 048	49.7	22.1	0.04	0.38	0.006	2.19	1.91	7.22	0.93	<0.01	0.30	0.037	59.1	13.1	0.052	0.010	0.80	0.021	0.021	0.03

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
54	0	1	ABAC 54001	19.8	25.5	0.03	0.14	0.008	1.83	0.94	11.80	0.22	0.004	0.06	0.05	57.8	11.8	0.06	0.005	0.88	0.018	0.012	0.03
54	1	2	ABAC 54002	16.9	26.1	0.02	0.06	0.011	1.17	0.68	9.60	0.16	0.003	0.04	0.03	60.4	14.4	0.03	0.01	0.69	0.012	0.007	0.02
54	2	3	ABAC 54003	20.4	26.2	0.02	0.06	0.010	1.17	0.69	9.63	0.16	0.003	0.04	0.04	61.0	15.0	0.03	0.006	0.75	0.016	0.005	0.02
54	3	4	ABAC 54004	25.1	27.2	0.02	0.07	0.011	1.22	0.72	9.90	0.19	<0.002	0.06	0.040	59.1	13.1	0.03	0.007	0.82	0.016	0.014	0.02
54	4	5	ABAC 54005	23.2	27.0	0.01	0.06	0.014	1.05	0.70	9.74	0.17	0.002	0.04	0.046	59.5	13.5	0.04	0.008	0.84	0.016	0.003	0.02
54	5	6	ABAC 54006	26.6	29.2	0.02	0.04	0.010	0.67	0.99	10.19	0.21	0.003	0.05	0.042	57.0	11.0	0.046	0.007	0.97	0.016	<0.001	0.02
54	6	7	ABAC 54007	29.7	30.3	0.02	0.03	0.007	0.72	1.06	10.37	0.21	0.003	0.04	0.043	56.4	10.4	0.042	0.006	0.89	0.017	0.002	0.03
54	7	8	ABAC 54008	31.6	29.8	<0.01	0.03	0.006	0.65	1.13	10.25	0.23	0.003	0.04	0.042	56.2	10.2	0.048	0.006	0.99	0.012	<0.001	0.03
54	8	9	ABAC 54009	33.3	28.5	0.01	0.03	0.007	0.63	1.06	9.81	0.21	0.002	0.04	0.041	58.7	12.7	0.039	0.007	0.93	0.014	0.001	0.03
54	9	10	ABAC 54010	27.7	29.2	0.01	0.02	0.006	0.64	1.04	10.11	0.19	<0.002	0.03	0.046	56.7	10.7	0.038	0.007	0.98	0.013	0.005	0.02
54	10	11	ABAC 54011	25.9	28.9	0.02	0.04	0.010	0.65	1.02	9.94	0.21	0.003	0.04	0.043	57.8	11.8	0.038	0.007	1.07	0.011	0.002	0.03
54	11	12	ABAC 54012	23.2	28.6	0.02	0.03	0.008	0.68	0.98	9.87	0.19	0.002	0.03	0.043	57.6	11.6	0.04	0.006	1.09	0.015	0.002	0.03
54	12	13	ABAC 54013	34.2	30.2	0.02	0.03	0.014	0.73	1.13	10.32	0.22	0.003	0.04	0.050	55.7	9.7	0.04	0.007	0.97	0.016	0.007	0.04
54	12	13	Dup 54013.1	34.3	30.5	0.02	0.03	0.013	0.73	1.14	10.47	0.23	0.003	0.05	0.048	55.5	9.5	0.034	0.007	0.98	0.016	0.009	0.04
54	13	14	ABAC 54014	22.6	30.2	0.03	0.03	0.011	0.78	0.86	10.54	0.16	0.002	0.03	0.050	56.5	10.5	0.024	0.009	0.80	0.014	0.003	0.02
54	14	15	ABAC 54015	19.7	28.9	0.01	0.03	0.009	0.99	0.81	9.94	0.15	<0.002	0.03	0.047	57.3	11.3	0.024	0.007	0.95	0.013	0.003	0.02
54	15	16	ABAC 54016	22.0	26.6	0.02	0.03	0.012	1.16	0.82	9.18	0.16	0.005	0.03	0.040	60.0	14.0	0.03	0.006	1.03	0.013	0.043	0.03
54	16	17	ABAC 54017	21.0	27.9	0.01	0.02	0.011	1.33	0.88	9.42	0.17	0.005	0.03	0.05	58.4	12.4	0.02	0.007	1.13	0.014	0.018	0.03
54	17	18	ABAC 54018	28.2	28.6	0.02	0.03	0.010	1.22	1.06	9.61	0.22	0.005	0.04	0.057	57.2	11.2	0.02	0.009	1.13	0.018	0.006	0.03
54	18	19	ABAC 54019	31.8	29.7	0.02	0.02	0.009	0.98	1.12	10.01	0.20	0.002	0.03	0.046	56.2	10.2	0.02	0.006	0.98	0.016	0.005	0.03
54	19	20	ABAC 54020	32.3	29.7	0.02	0.03	0.009	1.16	1.16	9.95	0.24	0.004	0.04	0.046	55.8	9.8	0.01	0.006	1.02	0.017	0.003	0.03
54	20	21	ABAC 54021	24.7	28.4	0.02	0.02	0.010	1.16	1.07	9.51	0.21	0.004	0.03	0.046	57.4	11.4	0.01	0.006	1.08	0.015	0.004	0.03
54	21	22	ABAC 54022	20.9	28.7	0.02	0.03	0.015	1.48	0.91	9.65	0.18	0.006	0.03	0.050	57.5	11.5	0.160	0.008	0.81	0.017	0.018	0.02
54	22	23	ABAC 54023	20.5	28.5	0.02	0.03	0.012	1.41	0.93	9.65	0.18	0.005	0.03	0.049	57.4	11.4	0.027	0.008	1.04	0.016	0.017	0.03
54	23	24	ABAC 54024	19.5	27.7	0.02	0.03	0.013	1.59	1.00	9.33	0.20	0.007	0.03	0.041	58.2	12.2	0.024	0.007	0.89	0.016	0.022	0.02
54	24	25	ABAC 54025	25.1	27.9	0.02	0.03	0.016	1.56	1.15	9.27	0.23	0.007	0.03	0.046	58.6	12.6	0.025	0.007	1.04	0.019	0.032	0.03
54	25	26	ABAC 54026	24.7	27.8	0.03	0.04	0.013	1.21	1.18	9.26	0.25	0.01	0.04	0.052	58.4	12.4	0.020	0.009	0.95	0.016	0.007	0.02
54	26	27	ABAC 54027	24.2	27.2	0.02	0.04	0.012	1.28	1.20	9.02	0.25	0.01	0.04	0.052	59.0	13.0	0.021	0.007	0.95	0.019	0.006	0.02
54	27	28	ABAC 54028	23.4	27.0	0.02	0.05	0.012	1.32	1.23	9.01	0.26	0.01	0.04	0.057	59.1	13.1	0.019	0.010	1.08	0.016	0.012	0.03
54	28	29	ABAC 54029	26.0	25.1	0.03	0.05	0.013	1.12	1.26	8.25	0.24	0.006	0.03	0.052	62.4	16.4	0.015	0.009	0.90	0.015	0.007	0.03
54	29	30	ABAC 54030	27.5	26.9	0.03	0.09	0.013	1.33	2.11	8.63	0.48	0.005	0.06	0.077	58.5	12.5	0.035	0.012	1.19	0.021	0.011	0.04
54	30	31	ABAC 54031	55.8	26.0	0.03	0.06	0.010	1.42	1.54	8.59	0.30	0.006	0.05	0.061	60.4	14.4	0.014	0.011	0.82	0.016	0.012	0.02
54	31	32	ABAC 54032	37.9	26.3	0.05	0.09	0.009	1.16	2.20	8.34	0.42	0.004	0.08	0.067	59.8	13.8	0.020	0.014	0.95	0.015	0.008	0.03

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
54	32	33	ABAC 54033	38.0	26.1	0.05	0.08	0.008	0.93	2.39	8.31	0.37	0.004	0.08	0.071	59.9	13.9	0.049	0.015	0.82	0.016	0.006	0.03
54	33	34	ABAC 54034	43.0	27.5	0.07	0.09	0.010	0.99	2.58	8.70	0.41	0.005	0.08	0.069	57.5	11.5	0.064	0.013	0.91	0.019	0.006	0.03
54	34	35	ABAC 54035	37.9	25.6	0.06	0.10	0.010	1.10	2.88	7.91	0.39	0.006	0.08	0.061	60.2	14.2	0.082	0.011	0.91	0.019	0.007	0.03
54	35	36	ABAC 54036	26.9	24.0	0.07	0.08	0.009	1.11	2.97	7.36	0.33	0.005	0.08	0.060	61.9	15.9	0.084	0.013	0.81	0.018	0.006	0.02
54	36	37	ABAC 54037	26.2	23.0	0.08	0.08	0.010	1.16	3.37	6.83	0.33	0.006	0.08	0.052	63.1	17.1	0.069	0.011	0.82	0.017	0.010	0.02
54	37	38	ABAC 54038	36.3	23.9	0.09	0.08	0.008	0.88	3.89	6.86	0.35	0.004	0.08	0.055	62.2	16.2	0.047	0.013	0.79	0.015	0.004	0.02
54	38	39	ABAC 54039	41.0	25.1	0.10	0.10	0.010	1.04	3.89	7.31	0.42	0.007	0.09	0.059	60.5	14.5	0.075	0.012	0.98	0.017	0.006	0.03
54	39	40	ABAC 54040	25.0	22.1	0.11	0.09	0.010	1.15	4.16	6.24	0.33	0.006	0.09	0.055	64.4	18.4	0.110	0.012	0.95	0.014	0.010	0.03
54	40	41	ABAC 54041	25.3	19.6	0.11	0.08	0.009	1.11	4.46	5.17	0.34	0.01	0.09	0.044	67.3	21.3	0.056	0.009	1.13	0.013	0.008	0.04
54	41	42	ABAC 54042	52.9	22.9	0.05	0.17	0.008	2.05	2.58	7.30	0.48	0.005	0.15	0.044	62.1	16.1	0.024	0.009	0.99	0.014	0.009	0.04
54			Std 54026.9		23.1	<0.01	0.65	0.014	2.46	0.61	0.75	0.79	0.19	0.94	0.044	63.9	17.9	0.046	0.003	0.06	0.003	0.007	0.00
55	0	1	ABAC 55001	26.0	28.0	0.02	0.19	0.013	1.47	0.72	12.33	0.26	0.003	0.15	0.05	55.3	9.3	0.20	0.008	0.99	0.018	0.007	0.03
55	1	2	ABAC 55002	32.9	30.1	<0.01	0.06	0.008	0.87	0.98	10.71	0.23	0.003	0.06	0.04	55.3	9.3	0.07	0.01	1.06	0.021	0.003	0.03
55	2	3	ABAC 55003	43.6	28.0	0.02	0.06	0.015	1.55	1.30	9.71	0.29	0.003	0.06	0.06	57.1	11.1	0.05	0.011	1.25	0.034	0.002	0.05
55	3	4	ABAC 55004	64.0	27.2	0.03	0.06	0.011	0.72	1.28	9.29	0.30	0.003	0.06	0.054	59.6	13.6	0.03	0.008	1.04	0.021	0.002	0.04
55	4	5	ABAC 55005	56.1	26.7	0.02	0.05	0.010	1.10	1.31	8.96	0.29	0.002	0.05	0.046	60.4	14.4	0.03	0.007	1.07	0.017	0.001	0.04
55	5	6	ABAC 55006	27.5	30.9	<0.01	0.04	0.012	1.00	1.08	10.62	0.23	<0.002	0.05	0.048	54.4	8.4	0.029	0.010	0.92	0.023	<0.001	0.03
55	6	7	ABAC 55007	21.7	30.9	0.02	0.04	0.008	0.88	0.98	10.71	0.20	<0.002	0.04	0.046	55.0	9.0	0.025	0.009	0.95	0.019	0.004	0.03
55	7	8	ABAC 55008	17.2	30.4	0.01	0.04	0.011	0.78	0.85	10.61	0.16	0.002	0.04	0.044	55.5	9.5	0.020	0.008	1.04	0.021	0.002	0.03
55	8	9	ABAC 55009	19.3	28.2	0.02	0.05	0.008	0.78	0.81	9.83	0.18	<0.002	0.04	0.047	58.5	12.5	0.023	0.009	1.10	0.023	0.002	0.03
55	8	9	Dup 55009.1	18.5	29.2	0.01	0.04	0.009	0.80	0.81	10.16	0.17	0.003	0.04	0.052	56.9	10.9	0.022	0.010	1.11	0.022	0.002	0.03
55	9	10	ABAC 55010	21.7	25.4	0.01	0.05	0.012	1.30	0.88	8.78	0.16	0.006	0.04	0.042	62.0	16.0	0.028	0.008	0.95	0.018	0.038	0.03
55	10	11	ABAC 55011	34.3	27.3	0.02	0.05	0.014	1.12	1.28	9.26	0.27	0.005	0.05	0.065	58.5	12.5	0.09	0.011	1.36	0.024	0.004	0.04
55	11	12	ABAC 55012	40.3	29.0	0.02	0.05	0.011	0.94	1.42	9.64	0.31	0.004	0.05	0.075	56.3	10.3	0.04	0.012	1.33	0.022	0.002	0.04
55	12	13	ABAC 55013	29.3	29.5	0.01	0.03	0.007	0.89	1.18	10.01	0.24	0.003	0.04	0.063	55.6	9.6	0.026	0.011	1.08	0.019	0.002	0.03
55	13	14	ABAC 55014	32.1	29.5	0.03	0.04	0.007	0.94	1.26	9.91	0.25	0.002	0.05	0.067	56.1	10.1	0.024	0.011	1.02	0.022	0.002	0.03
55	14	15	ABAC 55015	33.4	29.2	0.02	0.04	0.010	0.96	1.28	9.85	0.26	0.003	0.04	0.059	56.2	10.2	0.023	0.009	1.22	0.021	<0.001	0.03
55	15	16	ABAC 55016	27.4	26.8	0.02	0.04	0.012	1.06	1.31	8.84	0.26	0.004	0.06	0.050	60.1	14.1	0.02	0.007	0.93	0.019	0.013	0.03
55	16	17	ABAC 55017	25.3	25.4	0.02	0.04	0.013	1.29	1.01	8.59	0.20	0.006	0.05	0.05	61.7	15.7	0.03	0.009	0.89	0.018	0.009	0.03
55	17	18	ABAC 55018	27.9	20.8	0.03	0.04	0.017	1.54	0.87	6.98	0.18	0.009	0.04	0.039	68.2	22.2	0.03	0.007	0.73	0.013	0.023	0.02
55	18	19	ABAC 55019	16.0	25.8	0.02	0.05	0.014	1.29	1.14	8.68	0.23	0.006	0.04	0.049	60.8	14.8	0.02	0.008	1.08	0.020	0.014	0.03
55	19	20	ABAC 55020	28.3	26.4	0.02	0.06	0.012	1.20	1.45	8.75	0.31	0.006	0.05	0.063	59.2	13.2	0.03	0.009	1.19	0.023	0.005	0.04

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
55	20	21	ABAC 55021	26.2	25.9	0.02	0.08	0.015	1.24	1.57	8.56	0.32	0.004	0.06	0.051	60.0	14.0	0.09	0.008	1.02	0.020	0.005	0.03
55	21	22	ABAC 55022	28.1	25.3	0.03	0.09	0.013	1.30	1.78	8.32	0.35	0.004	0.06	0.067	60.4	14.4	0.100	0.011	1.01	0.023	0.055	0.04
55	22	23	ABAC 55023	27.7	25.2	0.04	0.08	0.012	1.01	1.79	8.11	0.29	0.005	0.07	0.064	61.8	15.8	0.041	0.014	0.87	0.017	0.010	0.03
55	23	24	ABAC 55024	38.8	25.3	0.04	0.09	0.012	1.13	2.17	7.99	0.42	0.004	0.07	0.064	60.4	14.4	0.028	0.013	1.02	0.020	0.006	0.04
55	24	25	ABAC 55025	53.1	24.9	0.04	0.12	0.012	1.43	2.50	7.84	0.55	0.006	0.08	0.067	59.6	13.6	0.029	0.012	1.21	0.022	0.010	0.05
55	25	26	ABAC 55026	59.3	24.7	0.05	0.13	0.013	1.67	2.63	7.73	0.58	0.01	0.09	0.068	59.2	13.2	0.041	0.012	1.15	0.022	0.008	0.04
55	26	27	ABAC 55027	60.6	24.8	0.06	0.13	0.018	1.53	2.73	7.71	0.58	0.01	0.13	0.066	59.7	13.7	0.091	0.012	1.16	0.021	0.009	0.04
55	27	28	ABAC 55028	36.3	24.0	0.06	0.09	0.013	1.28	3.15	7.57	0.43	0.00	0.09	0.062	58.4	12.4	0.150	0.013	0.99	0.023	0.045	0.04
55	28	29	ABAC 55029	28.9	23.8	0.08	0.08	0.011	1.02	3.42	7.15	0.31	0.005	0.08	0.062	62.7	16.7	0.110	0.015	0.86	0.017	0.010	0.03
55	29	30	ABAC 55030	37.2	25.2	0.08	0.08	0.009	1.08	3.69	7.57	0.38	0.004	0.09	0.051	60.0	14.0	0.083	0.012	0.85	0.020	0.006	0.03
55	30	31	ABAC 55031	27.8	23.0	0.08	0.07	0.010	1.10	3.83	6.89	0.32	0.004	0.09	0.045	63.0	17.0	0.200	0.009	0.94	0.016	0.007	0.03
55	31	32	ABAC 55032	22.1	21.9	0.08	0.08	0.016	1.41	3.71	6.53	0.34	0.007	0.09	0.054	64.0	18.0	0.200	0.012	0.97	0.019	0.012	0.03
55	32	33	ABAC 55033	30.7	22.6	0.07	0.09	0.013	1.44	3.58	6.92	0.35	0.006	0.11	0.049	63.1	17.1	0.230	0.009	0.94	0.019	0.007	0.04
55	33	34	ABAC 55034	26.5	20.8	0.08	0.10	0.014	1.78	3.52	6.16	0.36	0.006	0.09	0.058	65.1	19.1	0.044	0.011	1.07	0.019	0.015	0.05
55	34	35	ABAC 55035	60.1	24.4	0.05	0.17	0.007	1.73	2.34	8.07	0.45	0.003	0.10	0.038	59.9	13.9	0.021	0.008	0.96	0.017	0.005	0.03
55			Std 55035.9		23.2	<0.01	0.66	0.015	2.45	0.60	0.74	0.78	0.19	0.94	0.043	63.5	17.5	0.047	0.003	0.06	0.002	0.007	0.00
55	35	36	ABAC 55036	46.7	23.9	0.09	0.15	0.006	1.33	2.62	7.59	0.43	0.003	0.16	0.038	62.5	16.5	0.036	0.008	0.85	0.017	0.004	0.02
55	36	37	ABAC 55037	54.9	21.1	0.08	0.21	0.011	1.40	2.39	6.74	0.47	0.005	0.21	0.044	64.7	18.7	0.080	0.009	0.82	0.017	0.042	0.03
55	37	38	ABAC 55038	50.5	21.3	0.08	0.28	0.008	1.47	1.98	7.38	0.65	0.005	0.29	0.094	64.0	18.0	0.100	0.031	0.74	0.018	0.011	0.03
55	38	39	ABAC 55039	52.8	18.3	0.03	0.42	0.005	2.04	1.68	6.83	0.94	0.006	0.29	0.074	64.4	18.4	0.086	0.018	0.54	0.014	0.020	0.03
55	39	40	ABAC 55040	60.5	18.9	0.03	0.42	0.004	2.34	1.77	7.06	1.05	0.008	0.22	0.062	63.6	17.6	0.060	0.013	0.50	0.009	0.030	0.02
55	40	41	ABAC 55041	51.7	18.8	0.03	0.44	0.005	2.87	1.98	7.02	1.01	0.03	0.30	0.070	64.5	18.5	0.059	0.012	0.56	0.011	0.016	0.03
55	41	42	ABAC 55042	38.6	18.6	0.05	0.32	0.005	4.61	2.07	7.19	0.76	0.095	0.21	0.054	64.4	18.4	0.071	0.008	0.45	0.009	0.020	0.02
56	0	1	ABAC 56 001	42.7	30.8	0.02	0.07	0.012	1.30	0.40	12.86	0.14	<0.01	0.07	0.069	51.9	5.9	0.14	0.018	1.12	0.022	0.004	0.04
56	1	2	ABAC 56 002	33.3	31.6	0.01	0.04	0.011	0.88	0.51	11.57	0.11	<0.01	0.06	0.059	53.0	7.0	0.13	0.016	1.14	0.019	0.002	0.04
56	2	3	ABAC 56 003	42.9	30.7	0.02	0.04	0.012	0.83	0.53	11.06	0.13	<0.01	0.05	0.046	54.5	8.5	0.12	0.012	1.26	0.017	<0.002	0.04
56	3	4	ABAC 56 004	38.5	30.7	0.02	0.05	0.008	0.76	0.74	11.05	0.17	<0.01	0.07	0.048	54.1	8.1	0.099	0.011	1.19	0.017	0.006	0.04
56	4	5	ABAC 56 005	33.3	30.1	0.02	0.04	0.008	0.68	0.94	10.65	0.19	<0.01	0.06	0.052	54.5	8.5	0.18	0.012	1.15	0.021	0.002	0.04
56	5	6	ABAC 56 006	47.2	28.7	0.04	0.04	0.011	0.78	1.21	10.52	0.23	<0.01	0.08	0.081	56.2	10.2	0.65	0.032	1.17	0.021	<0.002	0.05
56	6	7	ABAC 56 007	41.6	30.5	0.03	0.03	0.014	0.77	1.56	12.91	0.20	<0.01	0.16	0.11	51.4	5.4	2.32	0.048	1.09	0.021	0.004	0.04
56	7	8	ABAC 56 008	28	31.3	0.01	0.03	0.010	0.67	1.03	11.07	0.19	<0.01	0.06	0.051	53.6	7.6	0.28	0.013	0.99	0.019	0.002	0.04
56	8	9	ABAC 56 009	23.3	31.6	0.01	0.02	0.009	0.62	0.93	11.01	0.17	<0.01	0.05	0.045	53.5	7.5	0.20	0.012	1.05	0.019	<0.002	0.03

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
56	9	10	ABAC 56 010	25.2	32.2	0.01	0.02	0.011	0.68	0.91	11.24	0.16	<0.01	0.05	0.047	52.4	6.4	0.11	0.011	1.02	0.018	0.005	0.03
56	10	11	ABAC 56 011	24.2	31.8	0.02	0.02	0.009	0.64	0.96	10.89	0.17	<0.01	0.05	0.048	53.4	7.4	0.13	0.010	1.01	0.017	0.002	0.03
56	11	12	ABAC 56 012	24.8	31.5	0.02	0.02	0.008	0.71	1.01	11.27	0.19	<0.01	0.04	0.045	53.6	7.6	0.12	0.010	1.07	0.017	<0.002	0.03
56	12	13	ABAC 56 013	44	28.5	0.02	0.03	0.010	1.19	1.18	9.76	0.24	<0.01	0.06	0.046	56.6	10.6	0.11	0.009	1.09	0.023	0.003	0.04
56	13	14	ABAC 56 014	59.2	28.1	0.04	0.03	0.008	0.70	1.36	10.81	0.22	<0.01	0.11	0.073	55.7	9.7	1.27	0.028	1.00	0.019	<0.002	0.04
56	14	15	ABAC 56 015	55.1	28.5	0.03	0.03	0.008	0.87	1.39	10.36	0.25	<0.01	0.09	0.067	56.1	10.1	0.73	0.018	1.10	0.020	<0.002	0.05
56	15	16	ABAC 56 016	21.7	26.1	0.02	0.02	0.015	1.28	0.94	9.04	0.18	<0.01	0.06	0.043	60.4	14.4	0.10	0.008	0.91	0.016	0.031	0.04
56	16	17	ABAC 56 017	20.3	27.1	0.02	0.02	0.014	1.24	0.85	9.47	0.15	<0.01	0.05	0.060	59.1	13.1	0.14	0.010	0.93	0.018	0.014	0.03
56	17	18	ABAC 56 018	20.4	27.8	0.01	0.02	0.011	1.21	0.86	10.05	0.14	<0.01	0.05	0.073	57.8	11.8	0.22	0.013	0.98	0.018	0.010	0.03
56	18	19	ABAC 56 019	18.3	28.3	0.03	0.02	0.012	1.17	1.00	10.07	0.18	<0.01	0.05	0.068	56.8	10.8	0.27	0.014	1.10	0.021	0.035	0.03
56	19	20	ABAC 56 020	18.9	28.6	0.02	0.02	0.012	1.11	1.00	10.27	0.18	<0.01	0.05	0.063	56.6	10.6	0.25	0.013	1.12	0.020	0.012	0.04
56	20	21	ABAC 56 021	19.2	27.9	0.02	0.02	0.012	1.08	0.99	9.71	0.18	<0.01	0.05	0.054	57.9	11.9	0.12	0.011	1.17	0.017	0.009	0.04
56	21	22	ABAC 56 022	23.2	24.4	0.02	0.03	0.015	1.18	0.94	8.47	0.18	<0.01	0.06	0.078	62.1	16.1	0.056	0.008	1.25	0.018	0.045	0.04
56	22	23	ABAC 56 023	50.4	27.2	0.03	0.05	0.016	1.15	1.67	9.31	0.37	<0.01	0.06	0.071	57.6	11.6	0.090	0.008	1.30	0.025	0.004	0.07
56	23	24	ABAC 56 024	42.6	28.6	0.02	0.06	0.012	0.97	1.56	9.59	0.34	<0.01	0.06	0.080	56.4	10.4	0.043	0.007	1.07	0.023	0.004	0.05
56	24	25	ABAC 56 025	26.9	25.6	0.02	0.05	0.018	1.51	1.47	8.93	0.29	0.01	0.07	0.073	60.0	14.0	0.14	0.009	0.95	0.024	0.034	0.04
56	25	26	ABAC 56 026	49.9	27.9	0.03	0.07	0.013	1.15	1.90	9.17	0.41	<0.01	0.07	0.072	56.4	10.4	0.090	0.007	1.12	0.026	0.004	0.05
56	26	27	ABAC 56 027	32.2	26.2	0.03	0.06	0.011	1.20	1.81	8.75	0.33	<0.01	0.08	0.059	59.3	13.3	0.11	0.007	0.88	0.023	0.005	0.04
56	27	28	ABAC 56 028	31.2	27.6	0.03	0.07	0.010	1.11	2.07	8.99	0.37	<0.01	0.09	0.053	57.6	11.6	0.14	0.008	0.96	0.023	0.018	0.04
56	28	29	ABAC 56 029	28.8	27.6	0.03	0.08	0.010	1.12	2.33	8.93	0.39	<0.01	0.08	0.058	56.9	10.9	0.11	0.007	1.03	0.024	0.007	0.04
56	29	30	ABAC 56 030	20	25.1	0.06	0.07	0.015	2.28	2.52	8.19	0.32	<0.01	0.10	0.061	59.3	13.3	0.21	0.010	0.89	0.023	0.019	0.03
56	30	31	ABAC 56 031	37	27.1	0.06	0.09	0.009	1.61	3.14	8.44	0.48	<0.01	0.08	0.067	56.1	10.1	0.11	0.010	1.07	0.025	0.008	0.04
56	31	32	ABAC 56 032	53.6	25.6	0.07	0.10	0.011	1.27	3.15	8.02	0.54	<0.01	0.09	0.054	58.3	12.3	0.021	0.007	1.16	0.024	0.008	0.05
56	32	33	ABAC 56 033	32	25.6	0.09	0.09	0.010	1.06	4.05	7.48	0.41	<0.01	0.10	0.044	58.5	12.5	0.051	0.006	0.98	0.019	0.005	0.03
56	33	34	ABAC 56 034	29.9	25.8	0.09	0.08	0.010	1.03	4.15	7.44	0.41	<0.01	0.11	0.049	58.1	12.1	0.030	0.007	1.05	0.021	0.008	0.03
56	34	35	ABAC 56 035	28.2	25.6	0.09	0.08	0.008	1.25	4.39	7.36	0.39	<0.01	0.11	0.045	58.3	12.3	0.099	0.006	0.95	0.024	0.005	0.03
56			Std 56035.9		23.0	<0.01	0.65	0.016	2.45	0.60	0.60	0.78	0.19	0.95	0.041	63.5		0.046	0.002	0.054	0.003	0.007	0.002
56	35	36	ABAC 56 036	26	25.1	0.10	0.09	0.010	1.23	4.36	7.20	0.40	<0.01	0.10	0.043	59.0	13.0	0.12	0.007	1.18	0.021	0.005	0.04
56	36	37	ABAC 56 037	22.4	23.9	0.10	0.09	0.008	1.26	4.55	6.73	0.37	<0.01	0.12	0.042	60.6	14.6	0.14	0.008	0.95	0.022	0.008	0.03
56	36	37	Dup 56 037 .1	22.8	24.1	0.10	0.09	0.008	1.28	4.53	6.76	0.37	<0.01	0.11	0.045	60.2	14.2	0.13	0.008	0.95	0.020	0.008	0.03
56	37	38	ABAC 56 038	24.5	24.3	0.10	0.10	0.008	1.53	4.92	6.65	0.41	<0.01	0.11	0.046	59.5	13.5	0.079	0.008	1.00	0.021	0.005	0.03
56	38	39	ABAC 56 039	47.4	24.5	0.05	0.17	0.006	1.87	2.63	7.92	0.48	<0.01	0.11	0.036	58.6	12.6	0.048	0.005	0.98	0.018	0.006	0.04
56	39	40	ABAC 56 040	44.9	24.5	0.06	0.17	0.003	1.09	2.51	7.60	0.49	<0.01	0.15	0.043	59.7	13.7	0.069	0.004	0.92	0.025	0.010	0.03

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
56	40	41	ABAC 56 041	37.2	24.2	0.07	0.16	0.007	0.94	2.57	7.42	0.42	<0.01	0.22	0.065	60.9	14.9	0.070	0.017	0.97	0.022	0.005	0.03
56	41	42	ABAC 56 042	44	22.6	0.06	0.24	0.007	2.49	2.29	7.31	0.55	<0.01	0.25	0.10	59.8	13.8	0.042	0.030	0.92	0.030	0.012	0.03
57	0	1	ABAC 57001	32.1	26.5	0.04	0.10	0.012	1.91	1.77	9.06	0.30	0.006	0.14	0.04	57.4	11.4	0.07	0.009	0.69	0.020	0.007	0.02
57	1	2	ABAC 57002	32.0	24.9	0.03	0.12	0.012	1.70	1.07	10.21	0.24	0.004	0.10	0.05	59.1	13.1	0.16	0.01	0.86	0.014	0.029	0.03
57	2	3	ABAC 57003	30.1	26.0	0.05	0.07	0.010	1.18	1.92	8.67	0.27	0.003	0.10	0.04	59.1	13.1	0.04	0.009	0.81	0.015	0.004	0.02
57	3	4	ABAC 57004	30.6	24.4	0.03	0.06	0.011	1.40	1.77	8.12	0.29	0.003	0.07	0.042	61.6	15.6	0.23	0.008	0.97	0.014	0.005	0.03
57	4	5	ABAC 57005	57.3	21.3	0.08	0.09	0.011	7.08	1.81	7.89	0.37	0.01	0.08	0.065	58.8	12.8	0.10	0.007	1.04	0.018	0.016	0.04
57	5	6	ABAC 57006	69.7	20.2	0.05	0.10	0.010	3.41	2.21	6.68	0.50	0.007	0.22	0.049	64.0	18.0	0.077	0.006	1.05	0.018	0.008	0.04
57	6	7	ABAC 57007	52.0	20.8	0.06	0.11	0.008	2.92	3.00	6.56	0.53	0.005	0.31	0.056	62.8	16.8	0.049	0.007	0.92	0.014	0.01	0.04
57	7	8	ABAC 57008	52.8	21.2	0.06	0.14	0.009	5.97	3.01	6.81	0.79	0.015	0.31	0.069	58.8	12.8	0.045	0.007	0.90	0.015	0.017	0.04
57	8	9	ABAC 57009	67.2	20.4	0.04	0.20	0.009	5.93	2.74	6.61	1.01	0.013	0.26	0.059	59.4	13.4	0.028	0.007	0.89	0.015	0.030	0.04
57	9	10	ABAC 57010	70.0	19.9	0.05	0.17	0.009	5.52	2.70	6.44	1.22	0.017	0.35	0.063	60.0	14.0	0.034	0.007	0.85	0.015	0.030	0.03
57	10	11	ABAC 57011	72.9	18.7	0.05	0.19	0.011	5.56	2.67	6.14	1.21	0.02	0.33	0.065	61.2	15.2	0.030	0.008	0.82	0.016	0.025	0.03
57	11	12	ABAC 57012	61.1	18.9	0.06	0.11	0.009	7.74	2.52	6.50	1.19	0.015	0.43	0.073	59.9	13.9	0.05	0.008	0.77	0.015	0.027	0.03
57	12	13	ABAC 57013	52.4	19.7	0.06	0.16	0.009	3.18	2.50	7.70	1.04	0.009	0.36	0.071	61.6	15.6	0.07	0.009	0.80	0.013	0.036	0.03
57	13	14	ABAC 57014	53.0	19.2	0.07	0.16	0.007	6.04	2.48	6.88	1.14	0.019	0.43	0.099	59.9	13.9	0.049	0.012	0.73	0.013	0.033	0.03
57	14	15	ABAC 57015	41.3	19.7	0.14	0.23	0.008	8.34	2.32	7.16	0.98	0.026	0.52	0.170	57.4	11.4	0.046	0.020	0.62	0.013	0.026	0.03
57	15	16	ABAC 57016	33.7	19.9	0.07	0.17	0.010	8.36	2.49	7.23	0.89	0.027	0.58	0.073	57.3	11.3	0.051	0.007	0.61	0.012	0.023	0.03
57	16	17	ABAC 57017	54.2	20.1	0.13	0.20	0.010	5.47	2.64	6.62	0.91	0.017	0.41	0.060	60.5	14.5	0.08	0.007	0.81	0.013	0.018	0.04
57	17	18	ABAC 57018	40.7	22.4	0.08	0.15	0.010	5.02	2.69	7.44	0.77	0.02	0.37	0.06	58.1	12.1	0.05	0.006	0.83	0.015	0.015	0.03
57	18	19	ABAC 57019	60.8	23.0	0.06	0.12	0.011	1.54	2.79	7.27	0.66	0.007	0.25	0.049	61.2	15.2	0.05	0.007	1.07	0.014	0.032	0.04
57	18	19	Dup 57019.1	59.4	23.4	0.06	0.11	0.014	1.58	2.80	7.46	0.68	0.009	0.23	0.055	60.6	14.6	0.04	0.007	1.08	0.016	0.032	0.04
57	19	20	ABAC 57020	47.7	25.0	0.07	0.08	0.009	1.15	2.69	7.75	0.47	0.004	0.09	0.045	60.2	14.2	0.02	0.007	1.02	0.017	0.006	0.04
57	20	21	ABAC 57021	31.8	25.2	0.08	0.08	0.011	1.30	2.79	7.74	0.40	0.004	0.09	0.040	60.5	14.5	0.02	0.007	0.99	0.015	0.005	0.03
57	21	22	ABAC 57022	34.0	24.3	0.10	0.06	0.014	1.08	2.59	7.64	0.34	0.004	0.08	0.042	61.9	15.9	0.092	0.008	0.98	0.013	0.026	0.03
57	22	23	ABAC 57023	34.1	24.4	0.06	0.06	0.010	1.69	2.36	8.44	0.33	0.003	0.08	0.040	60.9	14.9	0.660	0.009	0.89	0.015	0.005	0.03
57	23	24	ABAC 57024	29.1	27.3	0.07	0.07	0.012	2.11	1.59	9.56	0.26	0.005	0.08	0.045	57.2	11.2	0.150	0.009	0.97	0.016	0.018	0.03
57	24	25	ABAC 57025	27.0	25.5	0.02	0.05	0.012	1.01	1.43	8.61	0.29	0.003	0.05	0.040	60.9	14.9	0.150	0.007	0.95	0.016	0.006	0.03
57	25	26	ABAC 57026	24.2	24.0	0.03	0.06	0.011	1.16	1.18	8.23	0.24	0.00	0.06	0.039	63.1	17.1	0.120	0.007	0.71	0.015	0.004	0.02
57	26	27	ABAC 57027	47.7	26.5	0.15	0.08	0.012	1.67	1.85	8.83	0.41	0.00	0.06	0.053	57.8	11.8	0.140	0.008	1.09	0.018	0.004	0.04
57	27	28	ABAC 57028	62.0	25.4	0.03	0.08	0.011	1.10	1.91	8.75	0.42	<0.002	0.08	0.054	57.1	11.1	0.110	0.007	1.11	0.017	0.007	0.04
57	28	29	ABAC 57029	46.4	24.7	0.02	0.07	0.008	0.74	1.81	8.67	0.32	0.002	0.06	0.046	56.2	10.2	0.038	0.006	0.89	0.015	0.004	0.03

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
57	29	30	ABAC 57030	44.7	26.7	0.03	0.08	0.009	0.96	1.89	8.78	0.41	0.004	0.07	0.039	58.8	12.8	0.200	0.007	0.92	0.017	0.005	0.03
57			Std 57030.9		23.2	0.01	0.65	0.016	2.46	0.60	0.70	0.78	0.19	0.94	0.043	63.6	17.6	0.043	0.003	0.06	0.002	0.007	0.00
57	30	31	ABAC 57031	36.7	25.8	0.03	0.06	0.009	1.16	1.87	8.82	0.35	0.003	0.05	0.044	59.4	13.4	0.570	0.007	1.06	0.017	0.057	0.03
57	31	32	ABAC 57032	31.5	24.9	0.03	0.05	0.011	0.87	1.77	8.29	0.30	0.003	0.04	0.042	61.3	15.3	0.240	0.008	0.98	0.018	0.018	0.02
57	32	33	ABAC 57033	28.3	23.9	0.03	0.06	0.009	0.89	1.67	8.10	0.30	0.004	0.06	0.036	63.2	17.2	0.260	0.008	0.78	0.015	0.016	0.02
57	33	34	ABAC 57034	31.7	24.8	0.03	0.07	0.008	0.90	1.76	8.36	0.29	0.002	0.05	0.039	61.6	15.6	0.270	0.008	0.87	0.016	0.016	0.02
57	34	35	ABAC 57035	45.6	24.5	0.03	0.07	0.011	1.22	2.04	8.40	0.39	0.003	0.08	0.047	61.0	15.0	0.450	0.009	0.94	0.017	0.011	0.03
57	35	36	ABAC 57036	45.6	25.9	0.03	0.08	0.010	1.06	2.27	8.52	0.42	0.004	0.07	0.050	59.5	13.5	0.220	0.009	1.01	0.015	0.008	0.03
57	36	37	ABAC 57037	36.0	25.5	0.08	0.08	0.010	1.03	2.48	8.32	0.40	0.004	0.07	0.052	59.7	13.7	0.190	0.010	0.97	0.016	0.030	0.03
57	37	38	ABAC 57038	28.3	22.5	0.08	0.05	0.009	1.57	2.81	7.87	0.28	0.002	0.09	0.037	62.8	16.8	1.060	0.008	0.70	0.015	0.010	0.02
57	38	39	ABAC 57039	61.2	23.3	0.07	0.09	0.010	2.16	2.82	9.66	0.54	0.004	0.09	0.052	58.8	12.8	1.120	0.008	0.99	0.019	0.012	0.04
57	39	40	ABAC 57040	58.2	24.4	0.06	0.13	0.008	1.48	3.26	8.97	0.60	0.004	0.11	0.061	58.1	12.1	0.120	0.008	1.02	0.018	0.043	0.04
57	40	41	ABAC 57041	30.5	23.3	0.10	0.09	0.006	1.15	3.69	6.99	0.39	0.00	0.12	0.042	62.6	16.6	0.250	0.009	0.85	0.014	0.019	0.02
57	41	42	ABAC 57042	25.1	21.5	0.10	0.09	0.007	1.02	3.60	6.25	0.37	0.004	0.13	0.037	64.9	18.9	0.059	0.008	0.88	0.011	0.016	0.03
58	0	1	ABAC 58001	34.5	24.0	0.04	0.29	0.010	2.31	1.19	10.83	0.42	0.009	0.17	0.32	58.6	12.6	0.13	0.008	0.87	0.014	0.015	0.035
58	1	2	ABAC 58002	26.6	29.4	0.02	0.16	0.008	1.37	1.18	11.16	0.27	0.003	0.05	0.41	54.9	8.9	0.04	0.01	0.76	0.015	0.003	0.024
58	2	3	ABAC 58003	28.2	27.1	0.02	0.11	0.012	1.28	1.27	10.18	0.26	0.002	0.06	0.35	58.0	12.0	0.03	0.006	0.72	0.015	0.003	0.022
58	2	3	Dup 58003.1	26.6	28.3	0.02	0.13	0.010	1.31	1.31	10.79	0.27	0.002	0.05	0.350	56.2	10.2	0.04	0.008	0.71	0.016	0.003	0.021
58	3	4	ABAC 58004	31.9	26.1	0.03	0.12	0.012	3.43	1.72	9.61	0.33	0.02	0.08	0.300	56.8	10.8	0.03	0.008	0.85	0.019	0.007	0.024
58	4	5	ABAC 58005	30.0	27.4	0.03	0.05	0.011	2.13	1.81	10.01	0.33	0.012	0.06	0.160	56.9	10.9	0.033	0.009	0.85	0.019	0.004	0.023
58	5	6	ABAC 58006	27.2	26.0	0.04	0.08	0.012	0.96	1.96	9.54	0.27	0.002	0.07	0.270	59.1	13.1	0.041	0.008	0.80	0.019	0.003	0.021
58	6	7	ABAC 58007	34.3	24.0	0.05	0.11	0.012	5.35	2.00	9.43	0.31	0.023	0.08	0.380	57.0	11.0	0.065	0.008	0.77	0.021	0.013	0.026
58	7	8	ABAC 58008	77.1	21.1	0.04	0.08	0.009	5.70	2.01	7.69	0.47	0.013	0.12	0.150	60.8	14.8	0.047	0.007	1.02	0.016	0.014	0.039
58	8	9	ABAC 58009	51.6	22.4	0.05	0.11	0.008	2.12	2.82	7.52	0.53	0.006	0.14	0.200	62.1	16.1	0.036	0.007	0.96	0.012	0.010	0.038
58	9	10	ABAC 58010	54.0	22.3	0.07	0.14	0.008	4.25	2.98	7.51	0.78	0.01	0.25	0.300	59.3	13.3	0.043	0.006	0.94	0.017	0.044	0.039
58	10	11	ABAC 58011	76.0	20.1	0.04	0.17	0.009	5.03	2.80	6.78	1.02	0.014	0.33	0.300	61.3	15.3	0.04	0.006	0.88	0.017	0.027	0.039
58	11	12	ABAC 58012	76.6	19.1	0.04	0.16	0.008	5.99	2.66	6.70	1.12	0.016	0.35	0.250	61.4	15.4	0.04	0.006	0.85	0.015	0.029	0.037
58	12	13	ABAC 58013	76.2	18.4	0.05	0.19	0.008	5.73	2.65	5.94	1.14	0.012	0.32	0.300	63.5	17.5	0.036	0.007	0.82	0.014	0.030	0.037
58	13	14	ABAC 58014	60.5	19.4	0.06	0.14	0.008	2.26	2.45	7.73	1.12	0.006	0.50	0.580	63.1	17.1	0.074	0.009	0.80	0.015	0.035	0.033
58	14	15	ABAC 58015	51.1	19.6	0.09	0.21	0.008	5.06	2.31	7.99	1.09	0.009	0.34	0.210	59.7	13.7	0.060	0.012	0.72	0.013	0.032	0.031
58	15	16	ABAC 58016	53.9	19.4	0.09	0.22	0.008	7.86	2.31	7.34	1.05	0.018	0.55	0.440	58.1	12.1	0.04	0.013	0.65	0.012	0.032	0.029
58	16	17	ABAC 58017	44.9	20.0	0.08	0.24	0.015	7.97	2.45	7.57	0.89	0.014	0.51	0.45	57.3	11.3	0.05	0.007	0.65	0.013	0.025	0.027

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
58	17	18	ABAC 58018	32.4	20.3	0.08	0.19	0.016	7.98	2.47	7.89	0.81	0.014	0.62	0.500	56.9	10.9	0.06	0.007	0.70	0.013	0.024	0.027
58	18	19	ABAC 58019	40.9	22.0	0.08	0.23	0.008	4.50	2.80	7.55	0.91	0.014	0.58	0.530	58.6	12.6	0.06	0.007	0.84	0.014	0.053	0.031
58	19	20	ABAC 58020	44.0	22.1	0.09	0.17	0.008	4.00	2.84	7.78	0.78	0.014	0.43	0.460	59.4	13.4	0.06	0.007	0.87	0.014	0.019	0.034
58	20	21	ABAC 58021	52.4	23.4	0.10	0.13	0.009	1.67	2.92	7.91	0.64	0.005	0.43	0.310	60.0	14.0	0.07	0.007	1.08	0.016	0.010	0.041
58	21	22	ABAC 58022	46.2	24.8	0.07	0.12	0.010	1.28	3.01	8.62	0.47	0.004	0.43	0.330	58.7	12.7	0.110	0.007	1.02	0.017	0.008	0.036
58	22	23	ABAC 58023	28.1	25.1	0.08	0.11	0.008	0.96	2.86	9.15	0.38	0.003	0.07	0.330	58.8	12.8	0.064	0.008	1.03	0.013	0.005	0.029
58	23	24	ABAC 58024	32.8	25.2	0.08	0.13	0.008	0.92	2.67	9.02	0.38	0.004	0.10	0.390	59.5	13.5	0.093	0.010	0.85	0.014	0.005	0.023
58	24	25	ABAC 58025	35.3	26.1	0.05	0.09	0.009	1.00	2.30	9.50	0.36	0.003	0.07	0.310	58.4	12.4	0.170	0.007	0.95	0.016	0.006	0.028
58	25	26	ABAC 58026	30.2	26.0	0.03	0.04	0.009	0.80	1.95	9.50	0.32	0.00	0.06	0.210	59.2	13.2	0.049	0.007	1.01	0.015	0.004	0.030
58	26	27	ABAC 58027	23.5	26.9	0.02	0.13	0.009	0.86	1.51	10.21	0.28	0.00	0.14	0.430	58.4	12.4	0.120	0.007	0.80	0.017	0.003	0.021
58	27	28	ABAC 58028	27.0	25.8	0.02	0.13	0.008	1.35	1.34	9.65	0.27	0.00	0.04	0.380	59.9	13.9	0.077	0.007	0.79	0.016	0.004	0.024
58	28	29	ABAC 58029	42.7	27.0	0.03	0.07	0.010	1.47	1.64	9.64	0.36	0.003	0.21	0.350	57.6	11.6	0.042	0.008	1.03	0.021	0.003	0.036
58	29	30	ABAC 58030	62.5	26.1	0.02	0.08	0.009	0.92	1.67	9.20	0.39	0.004	0.06	0.280	59.1	13.1	0.062	0.007	1.11	0.016	0.003	0.040
58	30	31	ABAC 58031	53.4	26.2	0.03	0.09	0.011	1.10	1.64	9.45	0.38	0.00	0.18	0.370	58.5	12.5	0.150	0.007	1.09	0.017	0.007	0.036
58	31	32	ABAC 58032	26.7	23.6	0.03	0.08	0.010	1.09	1.24	9.12	0.25	0.003	0.03	0.310	62.2	16.2	0.150	0.007	1.04	0.016	0.004	0.029
58	32	33	ABAC 58033	27.6	24.8	0.02	0.09	0.009	0.88	1.26	9.60	0.25	0.002	0.18	0.440	60.8	14.8	0.072	0.008	0.69	0.017	0.004	0.022
58	33	34	ABAC 58034	39.3	26.1	0.02	0.08	0.010	0.98	1.77	9.50	0.36	0.003	0.10	0.370	58.8	12.8	0.054	0.008	1.03	0.019	0.008	0.034
58	34	35	ABAC 58035	29.3	25.1	0.03	0.11	0.010	0.93	1.81	9.33	0.31	0.003	0.06	0.450	59.7	13.7	0.160	0.008	1.19	0.015	0.007	0.032
58	35	36	ABAC 58036	28.4	21.3	0.03	0.08	0.012	0.98	1.82	8.21	0.26	0.004	0.07	0.410	64.9	18.9	0.290	0.008	1.30	0.013	0.013	0.042
58	36	37	ABAC 58037	29.2	25.3	0.04	0.13	0.010	0.97	2.21	9.28	0.35	0.003	0.08	0.530	59.6	13.6	0.310	0.009	0.88	0.016	0.028	0.026
58	37	38	ABAC 58038	48.6	25.9	0.05	0.12	0.008	1.05	2.54	9.04	0.41	0.002	0.11	0.450	58.3	12.3	0.220	0.011	0.88	0.015	0.009	0.029
58	38	39	ABAC 58039	39.3	24.1	0.12	0.09	0.008	0.90	3.12	8.10	0.38	0.003	0.14	0.370	60.9	14.9	0.140	0.011	0.82	0.016	0.009	0.023
58			Std 58039.9		23.3	<0.01	0.66	0.014	2.48	0.60	0.50	0.80	0.19	0.94	0.044	64.1	18.1	0.043	0.003	0.06	0.004	0.007	0.002
58	39	40	ABAC 58040	40.2	25.5	0.08	0.09	0.007	0.98	3.42	8.43	0.40	0.003	0.18	0.380	58.7	12.7	0.130	0.010	0.82	0.013	0.011	0.024
58	40	41	ABAC 58041	41.3	23.6	0.10	0.12	0.007	0.96	3.72	7.66	0.40	0.003	0.36	0.440	61.0	15.0	0.180	0.010	0.84	0.013	0.009	0.024
58	41	42	ABAC 58042	37.4	22.6	0.08	0.12	0.010	1.13	3.56	7.26	0.44	0.00	0.27	0.430	62.2	16.2	0.240	0.009	1.04	0.018	0.011	0.033
59	0	1	ABAC 59001	41.5	24.5	0.02	0.18	0.011	2.77	0.95	11.54	0.35	0.005	0.39	0.52	56.5	10.5	0.22	0.008	0.96	0.021	0.008	0.033
59	1	2	ABAC 59002	53.6	27.3	0.04	0.09	0.010	3.99	1.20	11.10	0.42	0.005	0.66	0.50	52.5	6.5	0.13	0.01	0.96	0.022	0.017	0.030
59	2	3	ABAC 59003	61.9	25.7	0.06	0.10	0.011	2.51	2.02	9.42	0.57	0.007	0.78	0.51	56.0	10.0	0.10	0.006	0.91	0.019	0.014	0.031
59	3	4	ABAC 59004	53.1	23.7	0.05	0.10	0.010	3.46	2.29	8.71	0.67	0.012	0.70	0.520	57.7	11.7	0.07	0.005	0.81	0.016	0.014	0.032
59	4	5	ABAC 59005	64.4	22.6	0.05	0.05	0.011	2.36	2.31	7.62	0.50	0.005	0.53	0.290	62.1	16.1	0.05	0.005	0.89	0.014	0.007	0.035
59	5	6	ABAC 59006	41.9	24.9	0.06	0.07	0.009	2.77	2.46	9.04	0.47	0.008	0.55	0.420	57.6	11.6	0.058	0.006	0.98	0.019	0.008	0.030

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
59	6	7	ABAC 59007	21.4	24.0	0.07	0.03	0.009	0.99	2.39	7.80	0.27	0.005	0.27	0.130	62.2	16.2	0.038	0.006	0.91	0.014	0.005	0.027
59	7	8	ABAC 59008	23.8	25.8	0.04	0.04	0.015	0.98	2.03	8.93	0.25	0.003	0.35	0.260	59.7	13.7	0.044	0.006	0.78	0.014	0.004	0.024
59	8	9	ABAC 59009	73.4	20.5	0.05	0.06	0.008	4.32	2.73	7.23	0.54	0.009	0.59	0.440	61.9	15.9	0.058	0.006	0.92	0.018	0.012	0.038
59	9	10	ABAC 59010	65.3	19.9	0.06	0.06	0.009	2.25	2.52	6.77	0.47	0.007	0.56	0.380	65.3	19.3	0.058	0.006	0.94	0.013	0.007	0.031
59	10	11	ABAC 59011	67.1	18.9	0.04	0.16	0.008	5.60	2.75	6.85	1.03	0.017	0.65	0.530	61.9	15.9	0.064	0.007	0.84	0.013	0.053	0.066
59	11	12	ABAC 59012	67.5	20.6	0.04	0.15	0.010	4.83	2.83	7.33	0.90	0.014	0.67	0.460	60.2	14.2	0.06	0.006	0.87	0.016	0.021	0.048
59	12	13	ABAC 59013	77.3	22.1	0.03	0.07	0.012	3.64	1.98	7.70	0.45	0.01	0.34	0.280	61.3	15.3	0.05	0.005	1.04	0.016	0.007	0.038
59	13	14	ABAC 59014	72.2	19.0	0.04	0.16	0.009	4.29	2.62	7.34	1.07	0.014	0.92	0.590	62.1	16.1	0.096	0.007	0.82	0.015	0.027	0.037
59	14	15	ABAC 59015	54.9	19.2	0.05	0.30	0.014	3.42	2.44	7.34	1.47	0.046	0.98	0.680	61.9	15.9	0.120	0.009	0.76	0.013	0.037	0.033
59	15	16	ABAC 59016	44.0	20.4	0.09	0.20	0.009	2.73	2.43	7.98	1.14	0.021	1.10	0.590	61.2	15.2	0.110	0.013	0.75	0.013	0.045	0.030
59	16	17	ABAC 59017	49.4	20.0	0.06	0.23	0.009	7.59	2.49	7.15	0.95	0.022	1.01	0.570	58.4	12.4	0.05	0.009	0.70	0.013	0.025	0.032
59	17	18	ABAC 59018	36.1	21.2	0.08	0.17	0.007	8.02	2.51	7.81	0.64	0.017	1.21	0.62	56.3	10.3	0.08	0.008	0.66	0.012	0.016	0.030
59	18	19	ABAC 59019	26.3	21.2	0.12	0.13	0.009	4.69	2.83	6.84	0.62	0.012	1.36	0.370	59.8	13.8	0.07	0.008	0.85	0.013	0.066	0.037
59	19	20	ABAC 59020	34.9	22.0	0.13	0.18	0.008	4.61	3.00	6.98	0.73	0.013	1.06	0.400	59.2	13.2	0.06	0.008	0.89	0.013	0.020	0.037
59			Std 59020.9		23.2	<0.01	0.65	0.017	2.48	0.61	0.79	0.79	0.19	0.94	0.044	64.0	18.0	0.044	0.003	0.06	0.005	0.007	0.002
59	20	21	ABAC 59021	32.0	23.2	0.10	0.26	0.015	3.92	2.96	7.48	0.77	0.024	0.82	0.480	57.9	11.9	0.06	0.007	0.89	0.015	0.017	0.032
59	21	22	ABAC 59022	39.9	24.1	0.08	0.21	0.009	2.76	3.08	7.94	0.71	0.009	0.69	0.520	58.0	12.0	0.05	0.007	1.02	0.015	0.025	0.038
59	22	23	ABAC 59023	42.0	25.7	0.10	0.11	0.008	1.27	3.11	8.47	0.50	0.005	0.48	0.370	58.0	12.0	0.063	0.006	0.97	0.016	0.009	0.033
59	23	24	ABAC 59024	33.6	24.4	0.10	0.18	0.008	1.11	3.20	8.12	0.39	0.004	0.34	0.380	59.9	13.9	0.130	0.007	0.91	0.016	0.005	0.030
59	24	25	ABAC 59025	30.7	24.4	0.09	0.19	0.011	1.37	2.97	8.60	0.34	0.006	0.28	0.440	59.6	13.6	0.370	0.008	0.89	0.016	0.011	0.027
59	25	26	ABAC 59026	26.5	24.9	0.07	0.23	0.008	0.95	2.59	8.76	0.36	0.004	0.35	0.530	59.3	13.3	0.110	0.009	0.91	0.016	0.004	0.025
59	26	27	ABAC 59027	30.1	24.9	0.05	0.06	0.012	1.33	2.15	9.30	0.31	0.00	0.41	0.460	58.8	12.8	0.170	0.008	0.94	0.015	0.004	0.028
59	27	28	ABAC 59028	26.3	24.6	0.02	0.24	0.011	0.85	1.57	8.75	0.30	0.00	0.19	0.440	61.2	15.2	0.078	0.008	0.86	0.015	0.002	0.027
59	28	29	ABAC 59029	22.9	25.6	0.01	0.04	0.009	0.95	1.17	9.50	0.21	0.00	0.25	0.280	60.2	14.2	0.210	0.005	0.63	0.014	0.002	0.019
59	29	30	ABAC 59030	38.9	27.0	0.03	0.04	0.012	1.51	1.54	9.42	0.31	0.003	0.26	0.250	57.7	11.7	0.048	0.005	0.85	0.016	0.004	0.034
59	30	31	ABAC 59031	57.7	26.8	0.02	0.10	0.012	1.06	1.69	9.90	0.38	0.004	0.20	0.370	57.5	11.5	0.320	0.006	1.00	0.013	0.003	0.039
59	30	31	Dup 59031.1	57.3	27.5	0.02	0.04	0.010	1.04	1.66	9.99	0.34	0.00	0.33	0.340	57.0	11.0	0.310	0.005	0.93	0.016	0.002	0.035
59	31	32	ABAC 59032	21.6	21.2	0.02	0.22	0.013	1.80	0.97	9.15	0.21	0.006	0.24	0.760	63.9	17.9	0.990	0.006	0.72	0.013	0.005	0.019
59	32	33	ABAC 59033	19.5	23.9	0.02	0.11	0.011	1.90	1.08	10.41	0.20	0.002	0.28	0.670	59.7	13.7	1.260	0.006	0.65	0.013	0.014	0.020
59	33	34	ABAC 59034	26.6	25.9	0.03	0.06	0.007	0.98	1.45	9.59	0.27	0.002	0.21	0.330	60.1	14.1	0.420	0.007	0.77	0.015	0.014	0.023
59	34	35	ABAC 59035	30.2	25.0	0.03	0.18	0.018	1.05	1.76	9.00	0.35	0.003	0.24	0.500	60.1	14.1	0.360	0.008	1.00	0.016	0.014	0.028
59	35	36	ABAC 59036	28.5	23.6	0.06	0.22	0.009	0.83	2.19	8.35	0.29	0.002	0.24	0.450	62.0	16.0	0.220	0.008	0.68	0.012	0.009	0.022
59	36	37	ABAC 59037	31.0	23.4	0.06	0.04	0.010	0.81	1.98	8.45	0.28	0.004	0.26	0.260	62.3	16.3	0.250	0.006	0.79	0.013	0.008	0.022

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
59	37	38	ABAC 59038	35.1	24.1	0.04	0.13	0.009	1.83	2.37	9.15	0.40	0.005	0.31	0.840	58.7	12.7	1.130	0.008	0.92	0.016	0.023	0.032
60	0	1	ABAC 60001	38.9	25.2	0.10	0.15	0.012	1.95	0.32	12.02	0.23	0.004	0.22	0.28	56.9	10.9	0.17	0.009	1.27	0.017	0.006	0.055
60	1	2	ABAC 60002	55.1	29.5	0.03	0.12	0.011	2.14	0.30	12.09	0.27	0.003	0.27	0.20	52.8	6.8	0.11	0.01	1.34	0.017	0.005	0.046
60	2	3	ABAC 60003	46.8	27.9	0.03	0.11	0.011	3.70	0.91	11.20	0.33	0.006	0.39	0.31	53.5	7.5	0.08	0.007	1.14	0.016	0.010	0.038
60	3	4	ABAC 60004	24.5	26.4	0.12	0.09	0.008	3.66	1.96	10.22	0.37	0.013	0.20	0.180	55.2	9.2	0.10	0.006	1.03	0.016	0.017	0.027
60	4	5	ABAC 60005	27.9	28.0	0.06	0.08	0.009	0.99	2.05	9.47	0.36	0.006	0.06	0.140	57.4	11.4	0.04	0.006	1.03	0.016	0.008	0.030
60	5	6	ABAC 60006	28.6	27.9	0.04	0.06	0.007	1.03	2.10	9.54	0.36	0.006	0.07	0.070	57.5	11.5	0.025	0.006	0.99	0.017	0.007	0.026
60	6	7	ABAC 60007	46.1	28.6	0.05	0.09	0.009	1.31	1.94	9.75	0.45	0.006	0.08	0.120	55.5	9.5	0.040	0.006	0.94	0.017	0.008	0.029
60	7	8	ABAC 60008	44.4	28.8	0.04	0.10	0.010	1.27	1.94	9.88	0.46	0.005	0.09	0.160	55.6	9.6	0.028	0.006	0.98	0.018	0.009	0.033
60	8	9	ABAC 60009	26.5	28.8	0.03	0.07	0.007	1.09	2.06	9.82	0.37	0.005	0.07	0.110	56.1	10.1	0.022	0.006	0.97	0.015	0.005	0.025
60	9	10	ABAC 60010	26.8	27.3	0.04	0.10	0.007	1.18	2.04	9.23	0.33	0.006	0.10	0.200	58.3	12.3	0.041	0.006	0.98	0.014	0.010	0.026
60	9	10	Dup 60010.1	27.7	26.7	0.04	0.07	0.007	1.15	2.04	9.39	0.31	0.007	0.06	0.200	57.8	11.8	0.037	0.006	0.95	0.013	0.010	0.026
60	10	11	ABAC 60011	24.9	26.8	0.04	0.14	0.008	1.14	1.92	9.45	0.31	0.008	0.06	0.270	58.1	12.1	0.043	0.006	0.97	0.014	0.005	0.025
60	11	12	ABAC 60012	23.7	27.7	0.03	0.10	0.009	1.09	1.80	9.55	0.29	0.007	0.06	0.180	57.6	11.6	0.04	0.006	0.99	0.014	0.005	0.024
60	12	13	ABAC 60013	23.7	28.3	0.03	0.18	0.007	0.92	1.62	9.85	0.27	0.006	0.06	0.320	56.4	10.4	0.05	0.006	0.95	0.013	0.017	0.023
60	13	14	ABAC 60014	42.7	24.4	0.04	0.13	0.012	6.22	1.87	9.09	0.42	0.011	0.26	0.310	55.4	9.4	0.070	0.006	0.99	0.026	0.012	0.032
60	14	15	ABAC 60015	75.9	21.9	0.04	0.11	0.010	2.58	2.18	7.10	0.56	0.011	0.22	0.120	62.9	16.9	0.040	0.006	1.02	0.016	0.009	0.038
60	15	16	ABAC 60016	44.8	23.7	0.06	0.12	0.008	2.36	2.75	7.62	0.64	0.011	0.27	0.120	60.6	14.6	0.041	0.006	1.00	0.015	0.011	0.036
60	16	17	ABAC 60017	50.4	21.5	0.06	0.18	0.009	4.51	2.84	6.92	0.82	0.021	0.43	0.190	60.5	14.5	0.05	0.007	0.94	0.013	0.014	0.043
60	17	18	ABAC 60018	69.8	20.4	0.05	0.23	0.011	6.03	2.75	6.68	1.09	0.018	0.28	0.10	60.6	14.6	0.03	0.007	0.89	0.016	0.021	0.037
60			Std 60018.9		23.2	<0.01	0.65	0.015	2.47	0.60	0.70	0.79	0.19	0.94	0.041	63.7	17.7	0.038	0.003	0.06	0.002	0.007	<0.002
60	18	19	ABAC 60019	63.7	19.3	0.04	0.16	0.007	3.49	2.67	7.22	1.17	0.019	0.35	0.140	62.7	16.7	0.07	0.007	0.86	0.014	0.022	0.033
60	19	20	ABAC 60020	46.4	19.9	0.04	0.19	0.010	3.08	2.57	8.23	1.54	0.03	0.47	0.200	61.3	15.3	0.11	0.008	0.85	0.013	0.034	0.034
60	20	21	ABAC 60021	30.7	19.4	0.05	0.20	0.010	6.16	2.34	9.12	1.47	0.21	0.56	0.130	58.0	12.0	0.110	0.008	0.75	0.015	0.042	0.028
60	21	22	ABAC 60022	23.8	21.2	0.06	0.18	0.011	4.24	2.49	8.34	1.25	0.032	0.60	0.100	59.3	13.3	0.09	0.009	0.77	0.016	0.038	0.029
60	22	23	ABAC 60023	43.4	20.9	0.06	0.26	0.006	9.08	2.38	7.47	1.02	0.03	1.00	0.400	55.3	9.3	0.07	0.008	0.70	0.013	0.023	0.030
60	23	24	ABAC 60024	32.1	22.3	0.09	0.20	0.008	7.60	2.66	7.84	0.79	0.022	1.02	0.370	55.9	9.9	0.069	0.007	0.74	0.013	0.017	0.029
61	0	1	ABAC 61001	61.8	29.3	0.01	0.09	0.010	3.01	0.47	13.73	0.18	0.004	0.17	0.21	50.0	4.0	0.67	0.010	1.14	0.016	0.009	0.036
61	1	2	ABAC 61002	71.3	31.2	0.01	0.08	0.010	2.71	0.40	12.90	0.14	0.003	0.23	0.25	49.7	3.7	0.59	0.01	1.19	0.016	0.006	0.037
61	2	3	ABAC 61003	60.0	28.5	0.04	0.09	0.008	2.73	1.12	10.98	0.25	0.005	0.20	0.15	53.5	7.5	0.40	0.006	1.04	0.017	0.004	0.032
61	3	4	ABAC 61004	73.2	23.3	0.04	0.09	0.008	3.74	1.58	8.56	0.40	0.006	0.22	0.170	59.7	13.7	0.10	0.005	1.04	0.011	0.007	0.039

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
61	3	4	Dup 61004.1	76.1	22.3	0.04	0.11	0.008	3.58	1.61	7.96	0.37	0.00	0.16	0.034	61.4	15.4	0.087	0.005	1.01	0.014	0.007	0.040
61	4	5	ABAC 61005	69.7	23.4	0.05	0.10	0.006	2.32	2.11	7.92	0.58	0.007	0.27	0.130	61.2	15.2	0.05	0.005	0.99	0.017	0.007	0.032
61	5	6	ABAC 61006	72.7	21.5	0.04	0.14	0.007	5.16	2.35	7.41	0.71	0.011	0.25	0.150	60.2	14.2	0.045	0.005	0.92	0.016	0.014	0.035
61	6	7	ABAC 61007	65.8	21.5	0.05	0.14	0.007	6.12	2.56	7.43	0.75	0.018	0.31	0.180	58.6	12.6	0.046	0.005	0.90	0.016	0.025	0.034
61	7	8	ABAC 61008	62.8	22.0	0.04	0.17	0.009	5.76	2.55	7.43	0.83	0.015	0.31	0.130	58.2	12.2	0.049	0.005	0.89	0.015	0.025	0.034
61	8	9	ABAC 61009	72.6	22.0	0.04	0.17	0.008	4.48	2.54	7.17	0.91	0.012	0.31	0.130	59.8	13.8	0.041	0.006	0.94	0.019	0.020	0.035
61	9	10	ABAC 61010	74.0	21.6	0.05	0.19	0.008	3.95	2.46	7.22	0.84	0.01	0.32	0.200	61.0	15.0	0.044	0.006	0.90	0.015	0.019	0.034
61	10	11	ABAC 61011	66.6	23.6	0.05	0.15	0.008	4.63	2.31	7.70	0.68	0.014	0.23	0.150	58.7	12.7	0.041	0.007	0.95	0.016	0.014	0.034
61	11	12	ABAC 61012	38.7	25.4	0.09	0.11	0.006	5.73	2.59	8.69	0.47	0.04	0.22	0.290	54.9	8.9	0.052	0.006	0.90	0.016	0.013	0.035
61	12	13	ABAC 61013	35.3	27.3	0.07	0.09	0.006	1.54	2.52	8.74	0.39	0.007	0.07	0.170	57.0	11.0	0.01	0.006	0.89	0.013	0.014	0.028
61	13	14	ABAC 61014	29.5	26.4	0.06	0.07	0.009	2.30	2.34	8.44	0.33	0.028	0.07	0.091	58.0	12.0	0.01	0.006	1.05	0.014	0.010	0.034
61			Std 61014.9		23.4	<0.01	0.66	0.014	2.48	0.61	0.63	0.78	0.19	0.94	0.042	64.0	18.0	0.042	0.003	0.06	0.003	0.007	0.002
61	14	15	ABAC 61015	30.5	27.6	0.05	0.09	0.011	1.08	2.28	8.75	0.39	0.017	0.09	0.160	57.9	11.9	0.010	0.006	1.03	0.014	0.007	0.027
61	15	16	ABAC 61016	31.5	27.5	0.05	0.10	0.008	0.99	2.17	8.81	0.38	0.009	0.07	0.150	58.0	12.0	0.012	0.006	0.98	0.015	0.014	0.027
61	16	17	ABAC 61017	37.5	27.1	0.04	0.10	0.008	1.03	2.18	8.83	0.41	0.007	0.09	0.160	58.2	12.2	0.012	0.006	1.09	0.016	0.007	0.032
61	17	18	ABAC 61018	44.5	28.8	0.03	0.06	0.009	0.94	1.90	9.46	0.40	0.008	0.06	0.077	56.3	10.3	0.01	0.006	0.97	0.016	0.007	0.032
61	18	19	ABAC 61019	33.7	27.5	0.03	0.09	0.008	1.43	1.85	9.33	0.35	0.011	0.24	0.23	57.0	11.0	0.03	0.006	0.90	0.015	0.022	0.028
61	19	20	ABAC 61020	31.8	28.6	0.02	0.07	0.006	0.81	1.70	9.40	0.33	0.006	0.06	0.120	57.6	11.6	0.010	0.005	0.88	0.016	0.008	0.026
61	20	21	ABAC 61021	30.9	27.6	0.03	0.07	0.006	0.74	1.73	9.06	0.30	0.006	0.06	0.110	59.3	13.3	0.01	0.005	0.94	0.012	0.007	0.025
61	21	22	ABAC 61022	44.0	24.5	0.03	0.08	0.008	4.72	1.72	8.51	0.34	0.017	0.06	0.130	58.1	12.1	0.11	0.006	0.99	0.018	0.010	0.033
61	22	23	ABAC 61023	81.5	21.7	0.04	0.12	0.009	4.00	1.90	7.35	0.46	0.008	0.16	0.190	62.0	16.0	0.024	0.005	1.03	0.017	0.006	0.040
61	23	24	ABAC 61024	78.0	21.1	0.04	0.12	0.008	1.73	2.33	8.32	0.54	0.007	0.22	0.180	63.5	17.5	0.09	0.006	0.98	0.014	0.009	0.033
61	24	25	ABAC 61025	63.0	20.5	0.06	0.13	0.007	1.34	2.83	7.43	0.62	0.007	0.27	0.170	64.5	18.5	0.08	0.007	0.94	0.014	0.011	0.034
61	25	26	ABAC 61026	42.9	23.1	0.06	0.22	0.007	2.39	3.08	7.90	0.78	0.011	0.37	0.290	59.3	13.3	0.055	0.009	0.99	0.018	0.016	0.036
61	26	27	ABAC 61027	57.6	21.7	0.04	0.17	0.006	2.83	2.84	8.49	1.22	0.023	0.32	0.130	58.9	12.9	0.13	0.008	0.91	0.018	0.037	0.034
61	27	28	ABAC 61028	63.3	19.6	0.05	0.21	0.008	3.58	2.71	8.23	1.34	0.059	0.30	0.110	61.0	15.0	0.10	0.008	0.88	0.015	0.034	0.032
61	28	29	ABAC 61029	54.4	19.3	0.04	0.25	0.007	4.11	2.56	8.49	1.41	0.11	0.34	0.150	60.3	14.3	0.100	0.008	0.83	0.017	0.031	0.035
61	29	30	ABAC 61030	40.1	19.4	0.08	0.26	0.006	4.77	2.50	8.20	1.46	0.15	0.58	0.220	59.9	13.9	0.086	0.012	0.77	0.012	0.027	0.029
62	0	1	ABAC 62001	43.9	24.1	0.17	0.17	0.009	2.89	2.03	9.81	0.55	0.01	0.41	0.41	57.1	11.1	0.14	0.005	0.91	0.012	0.010	0.046
62	1	2	ABAC 62002	60.4	20.0	0.07	0.13	0.008	3.78	2.06	7.27	0.53	0.006	0.47	0.35	63.1	17.1	0.07	0.00	0.99	0.015	0.007	0.043
62	2	3	ABAC 62003	54.1	22.3	0.06	0.15	0.009	5.80	2.14	8.23	0.83	0.015	0.46	0.31	57.3	11.3	0.07	0.005	0.85	0.017	0.015	0.033
62	3	4	ABAC 62004	66.2	19.9	0.05	0.16	0.009	8.67	2.21	7.58	0.81	0.017	0.34	0.170	57.9	11.9	0.05	0.005	0.88	0.017	0.028	0.040

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
62	4	5	ABAC 62005	75.7	21.3	0.04	0.16	0.007	2.52	2.38	9.49	0.69	0.01	0.46	0.310	60.7	14.7	0.082	0.006	0.90	0.017	0.008	0.029
62	5	6	ABAC 62006	78.1	20.4	0.03	0.13	0.006	1.79	2.49	9.92	0.69	0.007	0.38	0.230	61.4	15.4	0.11	0.005	0.85	0.016	0.008	0.026
62	6	7	ABAC 62007	67.7	20.5	0.05	0.15	0.018	1.89	2.61	9.24	0.70	0.01	0.46	0.300	61.4	15.4	0.097	0.006	0.86	0.016	0.011	0.024
62	7	8	ABAC 62008	42.3	21.0	0.04	0.17	0.007	4.09	2.45	7.96	0.73	0.008	0.43	0.210	60.4	14.4	0.040	0.005	0.79	0.017	0.016	0.026
62	8	9	ABAC 62009	50.4	21.1	0.05	0.16	0.008	4.87	2.55	7.14	0.85	0.013	0.51	0.270	60.1	14.1	0.033	0.005	0.91	0.017	0.017	0.037
62	9	10	ABAC 62010	41.1	21.2	0.07	0.23	0.008	3.96	2.75	6.79	0.86	0.013	0.86	0.390	60.1	14.1	0.044	0.007	0.91	0.016	0.023	0.043
62	10	11	ABAC 62011	43.2	21.5	0.10	0.24	0.009	6.16	2.42	7.92	0.93	0.02	0.78	0.280	57.0	11.0	0.089	0.006	0.86	0.018	0.023	0.033
62	11	12	ABAC 62012	59.4	20.2	0.04	0.21	0.010	8.21	2.30	7.66	1.02	0.02	0.41	0.120	56.5	10.5	0.036	0.006	0.85	0.019	0.024	0.030
62	12	13	ABAC 62013	48.4	21.1	0.05	0.21	0.008	2.52	2.43	8.74	1.16	0.011	0.47	0.260	60.3	14.3	0.090	0.006	0.94	0.018	0.019	0.034
62	13	14	ABAC 62014	45.6	21.0	0.04	0.23	0.010	2.59	2.39	8.94	1.21	0.012	0.40	0.240	59.7	13.7	0.09	0.006	0.96	0.019	0.025	0.037
62	14	15	ABAC 62015	45.4	21.6	0.04	0.20	0.008	2.55	2.36	9.18	1.23	0.013	0.49	0.250	59.2	13.2	0.11	0.007	0.95	0.020	0.030	0.035
62	15	16	ABAC 62016	69.7	21.6	0.05	0.19	0.010	3.06	2.41	8.79	0.94	0.01	0.31	0.140	60.0	14.0	0.069	0.007	0.99	0.020	0.017	0.039
62			Std 62016.9		23.2	<0.01	0.65	0.013	2.46	0.60	0.78	0.79	0.19	0.95	0.040	63.7	17.7	0.044	0.002	0.05	0.004	0.007	0.003
62	16	17	ABAC 62017	58.9	23.8	0.04	0.18	0.013	5.61	2.38	8.71	0.70	0.015	0.42	0.320	55.1	9.1	0.052	0.006	1.12	0.022	0.015	0.040
62	17	18	ABAC 62018	29.7	26.2	0.07	0.16	0.009	1.74	2.80	9.15	0.38	0.009	0.20	0.290	55.8	9.8	0.040	0.012	1.13	0.022	0.005	0.041
62	18	19	ABAC 62019	28.2	24.9	0.07	0.12	0.010	1.13	2.93	8.51	0.37	0.005	0.30	0.330	58.8	12.8	0.037	0.010	1.25	0.019	0.006	0.048
62	19	20	ABAC 62020	31.3	26.1	0.08	0.11	0.010	1.01	3.07	8.57	0.44	0.007	0.24	0.140	58.6	12.6	0.04	0.011	1.24	0.020	0.004	0.041
62	20	21	ABAC 62021	27.9	26.1	0.09	0.19	0.011	1.16	2.94	8.84	0.43	0.009	0.31	0.36	57.4	11.4	0.10	0.012	1.27	0.021	0.024	0.046
62	21	22	ABAC 62022	28.3	25.0	0.08	0.25	0.009	1.95	2.87	8.63	0.41	0.009	0.33	0.420	57.1	11.1	0.053	0.014	1.17	0.021	0.012	0.048
62	22	23	ABAC 62023	44.5	25.3	0.05	0.22	0.010	2.74	2.71	8.71	0.64	0.013	0.43	0.320	55.9	9.9	0.05	0.011	1.12	0.022	0.011	0.043
62	23	24	ABAC 62024	43.7	23.5	0.06	0.21	0.010	1.71	2.70	7.92	0.65	0.007	0.40	0.230	59.7	13.7	0.05	0.009	1.04	0.018	0.011	0.038
62	24	25	ABAC 62025	39.9	23.6	0.06	0.18	0.010	1.63	2.81	7.95	0.60	0.007	0.39	0.140	60.6	14.6	0.060	0.010	1.03	0.020	0.014	0.038
62	24	25	Dup 62025.1	41.3	23.6	0.07	0.17	0.010	1.63	2.76	8.01	0.61	0.007	0.35	0.150	59.8	13.8	0.051	0.009	1.01	0.019	0.015	0.032
62	25	26	ABAC 62026	45.8	24.2	0.07	0.20	0.011	1.61	2.77	8.02	0.61	0.007	0.40	0.270	59.2	13.2	0.05	0.009	1.24	0.022	0.010	0.050
62	26	27	ABAC 62027	28.8	24.2	0.06	0.20	0.010	1.06	2.91	8.23	0.40	0.006	0.36	0.350	59.2	13.2	0.04	0.007	1.17	0.021	0.005	0.043
62	27	28	ABAC 62028	27.1	23.4	0.07	0.20	0.008	1.26	2.93	8.06	0.43	0.008	0.40	0.380	60.2	14.2	0.051	0.009	1.06	0.020	0.007	0.038
62	28	29	ABAC 62029	30.8	23.5	0.08	0.23	0.007	1.88	3.00	7.89	0.48	0.007	0.48	0.370	59.7	13.7	0.05	0.015	0.95	0.018	0.007	0.034
62	29	30	ABAC 62030	36.5	23.3	0.06	0.18	0.010	3.74	2.80	7.87	0.54	0.014	0.43	0.120	58.7	12.7	0.07	0.011	0.98	0.020	0.008	0.036
62	30	31	ABAC 62031	49.0	22.7	0.08	0.27	0.010	3.76	2.59	7.90	0.79	0.012	0.70	0.390	58.9	12.9	0.086	0.009	0.95	0.020	0.021	0.035
62	31	32	ABAC 62032	37.2	20.8	0.06	0.32	0.007	5.48	2.45	7.63	0.62	0.02	1.34	0.440	58.9	12.9	0.079	0.008	0.68	0.015	0.019	0.021
62	32	33	ABAC 62033	31.8	21.7	0.07	0.30	0.008	4.50	2.55	7.60	0.90	0.05	0.91	0.250	58.6	12.6	0.075	0.009	0.79	0.016	0.016	0.026
62	33	34	ABAC 62034	29.4	21.7	0.05	0.28	0.007	4.39	2.55	7.97	1.06	0.11	0.82	0.140	58.5	12.5	0.096	0.008	0.87	0.016	0.022	0.029
62	34	35	ABAC 62035	25.0	19.7	0.16	0.32	0.008	5.38	2.58	8.14	0.92	0.14	1.23	0.270	59.4	13.4	0.150	0.010	0.72	0.014	0.021	0.027

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
62	35	36	ABAC 62036	27.9	21.0	0.08	0.30	0.010	4.58	2.60	8.56	1.07	0.067	1.19	0.430	58.3	12.3	0.100	0.009	0.81	0.018	0.013	0.028
62	36	37	ABAC 62037	25.7	20.0	0.07	0.26	0.008	5.51	2.64	7.69	1.01	0.07	1.34	0.400	59.3	13.3	0.071	0.009	0.70	0.013	0.015	0.026
62	37	38	ABAC 62038	39.9	21.8	0.05	0.24	0.012	4.37	2.53	9.44	1.22	0.051	0.75	0.310	56.7	10.7	0.110	0.008	0.91	0.019	0.011	0.032
62	38	39	ABAC 62039	45.4	22.1	0.05	0.26	0.011	5.23	2.54	8.10	0.96	0.021	0.89	0.350	56.8	10.8	0.064	0.008	0.88	0.016	0.009	0.032
63	0	1	ABAC 63 001	39.0%	32.3	0.01	0.07	0.010	0.86	0.41	14.06	0.14	<0.002	0.04	0.048	49.8	3.8	0.17	0.009	1.25	0.022	0.001	0.037
63	1	2	ABAC 63 002	41.4%	31.6	0.02	0.04	0.009	0.69	0.65	11.72	0.15	<0.002	0.05	0.058	52.9	6.9	0.40	0.018	1.20	0.025	0.007	0.038
63	2	3	ABAC 63 003	33.1%	32.5	0.02	0.03	0.007	0.45	0.79	11.65	0.14	<0.002	0.03	0.047	52.1	6.1	0.28	0.013	1.01	0.021	<0.001	0.025
63	3	4	ABAC 63 004	33.7%	31.4	0.01	0.03	0.006	0.43	0.83	11.37	0.14	<0.002	0.03	0.048	53.6	7.6	0.330	0.013	1.13	0.020	0.003	0.040
63	4	5	ABAC 63 005	37.5%	32.6	0.01	0.03	0.006	0.42	0.99	12.34	0.14	<0.002	0.07	0.063	51.4	5.4	1.09	0.022	1.08	0.022	0.002	0.031
63	5	6	ABAC 63 006	38.0%	31.8	0.01	0.02	0.005	0.38	0.98	12.02	0.13	<0.002	0.06	0.064	52.4	6.4	1.07	0.018	1.05	0.018	0.001	0.035
63	6	7	ABAC 63 007	28.4%	32.3	0.02	0.03	0.006	0.41	0.84	11.63	0.15	<0.002	0.04	0.05	52.9	6.9	0.38	0.012	0.95	0.020	0.002	0.025
63	7	8	ABAC 63 008	26.3%	32.4	<0.01	0.02	0.005	0.42	0.83	11.55	0.15	<0.002	0.04	0.038	53.5	7.5	0.26	0.009	0.89	0.019	<0.001	0.022
63	8	9	ABAC 63 009	33.6%	32.0	0.01	0.02	0.006	0.45	0.89	11.66	0.15	<0.002	0.03	0.042	52.9	6.9	0.52	0.011	1.02	0.018	0.001	0.028
63	9	10	ABAC 63 010	40.8%	30.9	<0.01	0.03	0.008	0.38	1.12	12.07	0.16	<0.002	0.06	0.059	53.3	7.3	1.40	0.018	1.10	0.019	<0.001	0.041
63	10	11	ABAC 63 011	31.8%	31.8	0.01	0.02	0.005	0.38	0.97	11.49	0.15	<0.002	0.03	0.044	53.3	7.3	0.54	0.009	0.96	0.018	0.001	0.023
63	11	12	ABAC 63 012	34.1%	31.8	0.01	0.02	0.005	0.36	0.93	11.52	0.14	<0.002	0.03	0.044	53.5	7.5	0.61	0.011	0.89	0.019	<0.001	0.028
63			Dup 63012.1	34.3%	32.2	<0.01	0.03	0.007	0.37	0.94	11.74	0.15	<0.002	0.03	0.083	53.2	7.2	0.60	0.011	0.88	0.020	<0.001	0.026
63	12	13	ABAC 63 013	38.5%	31.9	<0.01	0.03	0.008	0.50	0.70	11.47	0.14	<0.002	0.03	0.037	53.3	7.3	0.21	0.008	1.10	0.020	0.006	0.031
63	13	14	ABAC 63 014	32.1%	31.6	0.02	0.03	0.006	0.42	0.85	11.11	0.15	<0.002	0.02	0.035	54.0	8.0	0.10	0.006	0.91	0.019	<0.001	0.026
63	14	15	ABAC 63 015	33.4%	32.0	<0.01	0.02	0.007	0.48	0.92	11.35	0.17	<0.002	0.02	0.038	53.7	7.7	0.29	0.008	0.86	0.020	0.002	0.023
63	15	16	ABAC 63 016	37.7%	30.6	0.01	0.02	0.006	0.51	0.93	10.91	0.16	0.002	0.03	0.042	55.2	9.2	0.29	0.008	0.95	0.019	0.003	0.026
63	16	17	ABAC 63 017	40.2%	31.2	0.02	0.02	0.007	0.49	1.01	11.14	0.17	<0.002	0.02	0.044	54.3	8.3	0.46	0.009	0.99	0.019	<0.001	0.029
63	17	18	ABAC 63 018	39.6%	30.7	<0.01	0.02	0.008	0.51	1.01	10.81	0.18	<0.002	0.02	0.044	54.6	8.6	0.39	0.009	1.04	0.021	<0.001	0.030
63	18	19	ABAC 63 019	38.2%	30.9	0.01	0.02	0.006	0.51	0.92	11.03	0.16	0.002	0.03	0.045	54.2	8.2	0.36	0.009	0.96	0.019	0.005	0.028
63	19	20	ABAC 63 020	31.1%	29.7	0.01	0.02	0.008	0.67	0.86	10.42	0.15	0.003	0.08	0.037	56.3	10.3	0.26	0.006	0.77	0.019	0.005	0.029
63	20	21	ABAC 63 021	31.8%	28.9	0.02	0.02	0.011	0.66	0.88	10.04	0.17	0.004	0.02	0.034	57.8	11.8	0.16	0.006	0.85	0.018	0.004	0.036
63	21	22	ABAC 63 022	37.2%	30.2	0.02	0.02	0.010	0.62	0.95	10.53	0.19	0.003	0.02	0.038	55.4	9.4	0.16	0.007	0.96	0.021	0.021	0.035
63	22	23	ABAC 63 023	36.7%	29.9	<0.01	0.02	0.010	0.65	0.95	10.39	0.19	0.003	0.02	0.040	55.9	9.9	0.07	0.005	0.99	0.019	0.003	0.038
63	23	24	ABAC 63 024	39.0%	29.8	0.02	0.02	0.008	0.68	0.94	10.37	0.19	<0.002	<0.01	0.038	55.9	9.9	0.06	0.005	0.93	0.021	0.007	0.030
63	24	25	ABAC 63 025	30.9%	30.0	0.01	0.02	0.008	0.69	0.93	10.47	0.18	0.003	0.02	0.037	55.8	9.8	0.05	0.004	0.96	0.018	0.006	0.028
63	25	26	ABAC 63 026	30.3%	30.0	<0.01	0.02	0.008	0.68	0.90	10.33	0.18	0.003	0.02	0.031	55.5	9.5	0.03	0.004	0.97	0.023	0.002	0.029
63	26	27	ABAC 63 027	32.9%	30.5	0.01	0.02	0.009	0.79	0.81	10.74	0.16	0.002	0.01	0.031	54.5	8.5	0.03	0.002	0.90	0.023	0.004	0.033

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
63	27	28	ABAC 63 028	48.6%	24.7	0.02	0.04	0.010	3.82	1.27	8.67	0.29	0.006	0.03	0.061	58.8	12.8	0.07	0.004	1.16	0.021	0.009	0.052
63	28	29	ABAC 63 029	51.3%	21.9	0.03	0.05	0.010	4.10	1.71	7.48	0.39	0.007	0.05	0.066	61.6	15.6	0.05	0.006	1.12	0.017	0.007	0.070
63	29	30	ABAC 63 030	51.3%	23.7	0.04	0.06	0.008	1.57	1.94	7.69	0.44	0.004	0.05	0.050	62.2	16.2	0.03	0.005	1.01	0.017	0.007	0.050
63	30	31	ABAC 63 031	52.6%	24.0	0.05	0.07	0.012	2.24	2.21	7.83	0.55	0.006	0.06	0.055	60.1	14.1	0.03	0.006	0.99	0.021	0.019	0.048
63	31	32	ABAC 63 032	69.9%	21.1	0.05	0.12	0.008	2.62	2.42	6.62	0.72	0.007	0.10	0.056	63.0	17.0	0.02	0.005	0.93	0.016	0.024	0.041
63	32	33	ABAC 63 033	70.1%	19.1	0.04	0.13	0.007	3.72	2.54	6.46	0.86	0.008	0.15	0.063	63.0	17.0	0.02	0.006	0.89	0.017	0.026	0.046
63	33	34	ABAC 63 034	49.7%	19.7	0.04	0.16	0.008	2.16	2.59	7.29	0.98	0.009	0.15	0.054	63.3	17.3	0.06	0.007	0.89	0.017	0.048	0.043
63	34	35	ABAC 63 035	39.2%	20.4	0.04	0.17	0.008	3.73	2.38	7.43	1.20	0.01	0.17	0.049	61.0	15.0	0.05	0.007	0.80	0.015	0.064	0.038
63	35	36	ABAC 63 036	41.0%	19.3	0.04	0.14	0.007	6.32	2.41	6.76	0.91	0.025	0.26	0.047	61.2	15.2	0.02	0.006	0.68	0.013	0.047	0.038
63	36	37	ABAC 63 037	29.4%	21.2	0.08	0.15	0.008	4.64	2.69	7.22	0.75	0.016	0.53	0.050	59.9	13.9	0.02	0.007	0.75	0.014	0.030	0.032
63	37	38	ABAC 63 038	30.9%	23.5	0.08	0.11	0.008	4.48	2.88	7.68	0.69	0.013	0.33	0.044	57.9	11.9	0.02	0.006	0.81	0.015	0.024	0.033
63	38	39	ABAC 63 039	28.1%	23.2	0.09	0.11	0.007	2.34	3.14	7.35	0.64	0.007	0.26	0.034	59.7	13.7	0.02	0.006	1.15	0.015	0.022	0.047
63	39	40	ABAC 63 040	34.0%	25.0	0.08	0.10	0.008	2.07	3.24	8.01	0.62	0.007	0.12	0.038	58.3	12.3	0.02	0.006	1.06	0.020	0.024	0.035
63	40	41	ABAC 63 041	32.0%	25.6	0.10	0.09	0.008	1.30	3.33	7.83	0.48	0.004	0.10	0.036	58.9	12.9	0.02	0.006	0.99	0.019	0.009	0.036
63	41	42	ABAC 63 042	32.9%	25.3	0.09	0.08	0.009	1.10	3.19	7.64	0.45	0.004	0.08	0.041	59.9	13.9	0.02	0.006	1.10	0.017	0.007	0.049
63			Std 63042.9		23.1	<0.01	0.65	0.016	2.43	0.61	0.78	0.78	0.19	0.93	0.039	63.6	17.6	0.05	0.002	0.06	0.004	0.008	0.005
63	42	43	ABAC 63 043	35.9%	27.6	0.04	0.06	0.008	1.21	2.66	8.73	0.45	0.003	0.06	0.047	57.1	11.1	0.03	0.005	1.01	0.019	0.009	0.034
63	43	44	ABAC 63 044	38.2%	27.8	0.04	0.06	0.009	0.95	2.23	8.98	0.41	0.004	0.05	0.039	57.5	11.5	0.04	0.006	1.01	0.018	0.005	0.035
63	44	45	ABAC 63 045	35.9%	28.7	0.02	0.06	0.009	0.83	1.86	9.48	0.37	0.003	0.05	0.039	56.2	10.2	0.02	0.005	1.06	0.022	0.004	0.036
64	0	1	ABAC 64 001	41.8%	31.3	0.01	0.01	0.007	0.79	0.67	11.34	0.16	0.002	0.16	0.080	54.7	8.7	0.05	0.007	0.83	0.015	0.002	0.020
64	1	2	ABAC 64 002	34.6%	32.0	0.01	<0.01	0.008	0.57	0.80	11.44	0.15	0.003	0.09	0.066	53.9	7.9	0.12	0.011	0.66	0.014	0.001	0.016
64	2	3	ABAC 64 003	35.8%	32.4	<0.01	<0.01	0.006	0.43	0.82	11.34	0.16	<0.002	0.08	0.075	53.6	7.6	0.08	0.011	0.76	0.013	<0.001	0.018
64	3	4	ABAC 64 004	31.0%	32.2	0.01	<0.01	0.005	0.42	0.76	11.35	0.14	<0.002	0.07	0.088	54.0	8.0	0.083	0.015	0.86	0.012	0.005	0.019
64	4	5	ABAC 64 005	38.8%	32.7	0.02	<0.01	0.007	0.44	0.87	11.52	0.17	<0.002	0.10	0.130	52.7	6.7	0.17	0.027	1.00	0.015	<0.001	0.025
64	5	6	ABAC 64 006	36.8%	32.3	0.01	0.01	0.006	0.43	0.80	11.33	0.16	<0.002	0.08	0.090	53.7	7.7	0.04	0.010	1.03	0.014	0.001	0.024
64	6	7	ABAC 64 007	35.6%	31.7	0.01	<0.01	0.006	0.78	0.90	11.07	0.17	0.002	0.07	0.06	54.3	8.3	0.01	0.006	0.79	0.014	0.002	0.019
64	7	8	ABAC 64 008	38.3%	31.4	0.02	<0.01	0.005	0.48	0.93	10.98	0.17	<0.002	0.06	0.061	54.9	8.9	0.01	0.005	0.74	0.013	<0.001	0.018
64	8	9	ABAC 64 009	40.8%	32.5	0.01	<0.01	0.005	0.43	0.89	11.33	0.17	<0.002	0.07	0.076	53.3	7.3	0.02	0.005	0.83	0.011	0.001	0.019
64	9	10	ABAC 64 010	36.3%	31.5	0.02	0.01	0.006	0.44	0.97	10.99	0.19	<0.002	0.06	0.068	54.3	8.3	0.02	0.005	0.94	0.012	0.002	0.020
64	10	11	ABAC 64 011	34.1%	31.3	0.02	0.02	0.004	0.43	0.98	10.70	0.20	<0.002	0.04	0.064	55.5	9.5	0.02	0.004	0.95	0.012	<0.001	0.021
64	11	12	ABAC 64 012	36.3%	31.4	0.02	0.02	0.007	0.47	0.92	10.96	0.18	<0.002	0.04	0.066	54.9	8.9	0.02	0.005	0.92	0.012	<0.001	0.020
64	12	13	ABAC 64 013	35.0%	32.6	0.01	<0.01	0.004	0.46	0.91	11.17	0.18	<0.002	0.08	0.091	53.7	7.7	0.03	0.006	0.94	0.012	0.001	0.020

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
64	13	14	ABAC 64 014	35.3%	32.3	0.02	<0.01	0.007	0.50	0.94	11.03	0.19	<0.002	0.07	0.085	54.3	8.3	0.04	0.006	0.98	0.014	<0.001	0.022
64	14	15	ABAC 64 015	39.3%	31.9	0.02	<0.01	0.005	0.49	0.87	10.96	0.18	<0.002	0.09	0.098	53.8	7.8	0.04	0.007	1.01	0.013	<0.001	0.035
64	15	16	ABAC 64 016	46.0%	30.7	0.02	0.01	0.007	0.58	1.05	10.56	0.21	0.002	0.11	0.110	55.2	9.2	0.04	0.008	1.21	0.017	0.001	0.033
64	16	17	ABAC 64 017	45.0%	32.5	0.01	<0.01	0.005	0.51	0.97	11.26	0.19	0.002	0.08	0.099	53.1	7.1	0.04	0.007	0.98	0.016	<0.001	0.025
64	17	18	ABAC 64 018	35.3%	32.1	0.01	0.01	0.006	0.47	0.99	11.05	0.20	0.002	0.08	0.089	53.7	7.7	0.04	0.005	0.99	0.015	0.001	0.022
64	18	19	ABAC 64 019	39.2%	32.7	0.01	<0.01	0.005	0.48	0.91	11.33	0.18	0.002	0.09	0.100	53.2	7.2	0.04	0.006	0.89	0.016	0.001	0.026
64	19	20	ABAC 64 020	38.9%	32.4	0.01	0.01	0.007	0.50	0.94	11.11	0.18	<0.002	0.08	0.097	53.9	7.9	0.03	0.005	0.90	0.014	0.001	0.021
64	20	21	ABAC 64 021	33.6%	32.6	0.01	0.01	0.004	0.44	0.89	11.30	0.17	0.002	0.08	0.095	53.2	7.2	0.03	0.005	0.90	0.015	0.001	0.021
64	21	22	ABAC 64 022	24.6%	32.4	<0.01	<0.01	0.006	0.46	0.80	11.37	0.16	<0.002	0.08	0.087	53.3	7.3	0.02	0.005	0.81	0.016	0.002	0.016
64	22	23	ABAC 64 023	20.6%	32.5	<0.01	<0.01	0.005	0.40	0.63	11.38	0.14	<0.002	0.07	0.085	53.8	7.8	0.01	0.004	0.72	0.017	<0.001	0.015
64	23	24	ABAC 64 024	13.9%	28.8	0.01	0.01	0.006	0.72	0.49	10.21	0.09	0.002	0.06	0.075	59.1	13.1	0.01	0.003	0.43	0.016	0.002	0.011
64	24	25	ABAC 64 025	55.8%	21.6	0.03	0.05	0.018	8.93	1.39	8.19	0.32	0.006	0.12	0.240	58.4	12.4	0.02	0.006	1.06	0.035	0.014	0.037
64	25	26	ABAC 64 026	59.7%	24.0	0.03	0.10	0.009	0.97	1.42	8.07	0.33	0.004	0.08	0.150	63.6	17.6	0.02	0.006	1.03	0.014	0.003	0.038
64	26	27	ABAC 64 027	58.5%	23.9	0.03	0.13	0.008	1.84	1.53	8.06	0.38	0.004	0.09	0.210	63.1	17.1	0.02	0.008	1.01	0.018	0.005	0.041
64	27	28	ABAC 64 028	61.8%	22.3	0.03	0.15	0.010	2.62	1.64	7.64	0.41	0.003	0.10	0.250	62.9	16.9	0.02	0.007	0.95	0.014	0.016	0.038
64	28	29	ABAC 64 029	70.5%	22.3	0.05	0.14	0.009	2.62	1.74	7.60	0.46	0.004	0.14	0.250	62.6	16.6	0.02	0.008	0.90	0.015	0.010	0.035
64	29	30	ABAC 64 030	87.4%	19.3	0.07	0.12	0.009	3.39	1.88	6.42	0.48	0.004	0.13	0.200	67.2	21.2	0.02	0.009	0.89	0.014	0.013	0.037
65	0	1	ABAC 65001	53.0	29.6	0.01	0.05	0.009	1.44	0.54	10.69	0.12	<0.002	0.08	0.110	56.2	10.2	0.02	0.006	1.00	0.027	0.002	0.029
65	1	2	ABAC 65002	53.5	26.7	0.02	0.07	0.010	2.10	0.71	9.53	0.18	0.003	0.11	0.120	59.3	13.3	0.03	0.008	1.00	0.029	0.002	0.029
65	2	3	ABAC 65003	47.0	30.4	0.02	0.02	0.010	0.98	0.80	10.42	0.18	<0.002	0.10	0.085	55.4	9.4	0.02	0.007	0.96	0.025	<0.001	0.033
65	3	4	ABAC 65004	38.8	31.7	0.02	0.02	0.008	0.60	0.72	11.17	0.15	<0.002	0.08	0.110	54.1	8.1	0.037	0.013	0.94	0.016	0.011	0.025
65	3	4	Dup 65004 .1	39.3	32.0	<0.01	0.02	0.008	0.60	0.72	11.16	0.17	<0.002	0.10	0.110	53.8	7.8	0.04	0.015	0.97	0.016	0.011	0.024
65	4	5	ABAC 65005	57.4	26.5	<0.01	<0.01	0.009	0.71	0.72	9.33	0.17	<0.01	0.14	0.087	61.0	15.0	0.04	0.015	0.97	0.016	0.011	0.024
65	5	6	ABAC 65006	52.8	30.7	0.02	0.02	0.008	0.65	0.78	10.58	0.18	<0.002	0.13	0.100	55.8	9.8	0.04	0.009	0.96	0.014	0.003	0.028
65	6	7	ABAC 65007	52.9	30.3	0.02	0.01	0.008	0.68	0.81	10.72	0.16	<0.002	0.12	0.12	55.4	9.4	0.10	0.017	1.04	0.015	0.006	0.031
65	7	8	ABAC 65008	41.6	31.3	0.02	0.01	0.007	0.67	0.93	11.13	0.17	0.002	0.11	0.140	54.3	8.3	0.43	0.021	0.97	0.015	0.002	0.026
65	8	9	ABAC 65009	36.5	31.5	0.02	<0.01	0.008	0.68	0.80	10.90	0.17	<0.002	0.10	0.110	54.7	8.7	0.08	0.010	0.96	0.017	0.002	0.026
65	9	10	ABAC 65010	34.3	31.7	0.02	<0.01	0.006	0.58	0.78	10.99	0.15	<0.002	0.09	0.110	54.1	8.1	0.09	0.009	0.85	0.017	<0.001	0.023
65	10	11	ABAC 65011	38.9	31.2	0.01	0.02	0.006	0.63	0.93	10.84	0.19	<0.002	0.07	0.100	54.1	8.1	0.11	0.009	0.95	0.018	0.001	0.025
65	11	12	ABAC 65012	45.8	30.9	0.02	0.01	0.007	0.71	1.08	10.77	0.20	0.002	0.11	0.140	54.2	8.2	0.37	0.017	0.98	0.016	0.001	0.030
65	12	13	ABAC 65013	52.0	30.0	0.02	0.01	0.005	0.87	1.22	10.78	0.21	0.002	0.12	0.130	55.4	9.4	0.69	0.018	1.01	0.017	0.002	0.032
65	13	14	ABAC 65014	49.0	30.3	0.02	<0.01	0.007	0.80	1.11	10.77	0.22	<0.002	0.10	0.120	55.3	9.3	0.29	0.014	0.98	0.015	<0.001	0.031

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
65	14	15	ABAC 65015	40.1	30.4	0.02	0.07	0.006	0.81	1.10	11.10	0.20	<0.002	0.06	0.170	55.1	9.1	0.50	0.014	0.91	0.016	0.002	0.025
65	15	16	ABAC 65016	35.8	30.4	0.02	<0.01	0.007	0.76	1.15	10.71	0.23	<0.002	0.09	0.097	55.8	9.8	0.20	0.010	1.03	0.016	0.002	0.025
65	16	17	ABAC 65017	35.0	30.3	<0.01	<0.01	0.006	0.75	1.09	10.73	0.22	0.003	0.08	0.089	55.6	9.6	0.11	0.008	0.99	0.017	<0.001	0.025
65	17	18	ABAC 65018	41.2	30.9	0.02	0.01	0.006	0.81	1.10	11.14	0.20	0.002	0.10	0.110	55.0	9.0	0.39	0.011	0.95	0.019	0.001	0.028
65	18	19	ABAC 65019	40.8	30.2	0.02	0.01	0.006	0.78	1.20	10.96	0.22	0.002	0.10	0.100	55.3	9.3	0.39	0.009	0.92	0.014	0.002	0.029
65	19	20	ABAC 65020	45.2	30.8	0.02	0.01	0.005	0.70	1.10	11.13	0.20	<0.002	0.10	0.100	54.6	8.6	0.29	0.008	0.88	0.015	0.001	0.027
65	20	21	ABAC 65021	39.6	29.9	0.02	0.02	0.006	0.70	1.10	10.76	0.22	<0.002	0.07	0.078	56.7	10.7	0.10	0.007	0.92	0.015	<0.001	0.025
65	21	22	ABAC 65022	35.5	29.9	0.02	0.01	0.008	0.84	1.00	10.64	0.20	0.008	0.09	0.088	56.5	10.5	0.05	0.005	0.89	0.017	0.002	0.024
65	22	23	ABAC 65023	60.3	21.1	0.02	0.04	0.039	13.50	1.18	9.04	0.26	0.021	0.15	0.320	53.4	7.4	0.02	0.005	1.18	0.042	0.015	0.059
65			Std 65023.9		23.1	<0.01	0.65	0.012	2.48	0.60	0.79	0.78	0.19	0.92	0.043	64.3	18.3	0.05	0.003	0.06	0.003	0.007	0.003
65	23	24	ABAC 65024	73.3	21.9	0.01	0.07	0.009	5.93	1.30	7.87	0.34	<0.01	0.77	0.810	59.4	13.4	0.09	0.004	1.18	0.020	0.008	0.060
65	24	25	ABAC 65025	78.9	23.0	0.01	0.08	0.011	2.18	1.38	7.79	0.36	<0.01	0.39	0.370	63.1	17.1	0.06	0.003	0.98	0.016	0.008	0.040
65	25	26	ABAC 65026	70.9	23.5	0.01	0.10	0.008	1.33	1.52	7.87	0.42	<0.01	0.71	0.680	62.6	16.6	0.13	0.004	0.96	0.013	0.009	0.040
65	26	27	ABAC 65027	53.1	24.5	0.02	0.04	0.008	1.18	1.62	7.95	0.39	<0.01	0.23	0.140	62.6	16.6	0.02	0.005	0.96	0.015	0.006	0.050
65	27	28	ABAC 65028	58.0	22.6	0.03	0.04	0.008	1.62	1.75	7.21	0.38	<0.01	0.25	0.170	64.4	18.4	0.03	0.005	0.97	0.014	0.008	0.040
65	28	29	ABAC 65029	61.4	23.7	0.02	0.11	0.008	3.14	2.03	7.47	0.58	<0.01	0.36	0.290	61.1	15.1	0.02	0.006	0.91	0.014	0.013	0.050
65	29	30	ABAC 65030	74.3	20.5	0.03	0.14	0.007	7.42	2.13	7.03	0.81	0.01	0.83	0.800	58.9	12.9	0.10	0.006	0.89	0.016	0.026	0.040
65	30	31	ABAC 65031	85.7	19.0	0.04	0.23	0.008	4.11	2.53	7.45	0.97	0.015	0.72	0.640	63.0	17.0	0.19	0.008	0.87	0.018	0.027	0.036
65	31	32	ABAC 65032	73.7	19.0	0.05	0.26	0.009	2.51	2.72	7.17	1.19	0.017	0.70	0.640	64.5	18.5	0.17	0.009	0.87	0.017	0.025	0.037
65	32	33	ABAC 65033	70.3	19.7	0.06	0.17	0.008	3.32	2.68	7.89	1.31	0.045	0.96	0.790	61.6	15.6	0.18	0.010	0.89	0.018	0.037	0.038
65	33	34	ABAC 65034	66.6	19.1	0.07	0.18	0.007	3.17	2.60	7.59	1.25	0.05	1.22	1.110	62.0	16.0	0.19	0.011	0.85	0.018	0.042	0.037
65	34	35	ABAC 65035	52.1	19.8	0.12	0.22	0.008	3.47	2.60	7.81	1.34	0.069	1.20	1.210	60.4	14.4	0.19	0.016	0.86	0.016	0.047	0.036
65	35	36	ABAC 65036	36.2	21.2	0.27	0.23	0.008	3.91	2.47	8.32	1.31	0.061	1.23	1.530	57.7	11.7	0.19	0.030	0.83	0.016	0.048	0.034
65	36	37	ABAC 65037	48.8	21.1	0.07	0.15	0.008	5.45	2.70	6.95	1.05	0.02	0.61	0.610	60.0	14.0	0.03	0.008	0.90	0.016	0.041	0.039
65	37	38	ABAC 65038	45.7	21.1	0.06	0.21	0.007	6.10	2.65	7.08	0.88	0.017	1.10	0.990	58.4	12.4	0.14	0.007	0.81	0.019	0.028	0.035
65	38	39	ABAC 65039	67.0	21.7	0.04	0.13	0.007	4.01	2.55	6.95	0.92	0.012	0.50	0.450	61.5	15.5	0.02	0.008	0.96	0.019	0.022	0.040
66	0	1	ABAC 66001	31.9	26.0	<0.01	0.21	0.012	2.25	0.25	13.90	0.20	0.006	0.17	0.430	53.3	7.3	0.10	0.004	1.50	0.018	0.007	0.051
66	1	2	ABAC 66002	39.7	27.8	<0.01	0.13	0.009	1.43	0.22	11.13	0.09	0.003	0.08	0.310	56.5	10.5	0.05	0.004	1.48	0.015	0.006	0.047
66	2	3	ABAC 66003	31.9	27.6	<0.01	0.08	0.007	0.99	0.10	10.90	0.05	0.002	0.07	0.200	57.6	11.6	0.07	0.004	1.56	0.015	0.004	0.049
66	3	4	ABAC 66004	34.5	29.4	<0.01	0.05	0.010	0.91	0.07	12.32	0.04	<0.002	0.04	0.230	53.6	7.6	0.054	0.003	1.62	0.011	0.012	0.049
66	4	5	ABAC 66005	47.4	31.5	<0.01	0.09	0.010	2.74	0.08	12.20	0.05	<0.002	0.06	0.290	50.7	4.7	0.04	0.004	1.67	0.022	0.003	0.057
66	5	6	ABAC 66006	57.9	33.8	<0.01	0.05	0.010	2.15	0.15	12.78	0.05	<0.002	0.11	0.190	48.2	2.2	0.03	0.003	1.68	0.028	0.002	0.052

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
66	6	7	ABAC 66007	56.6	34.7	<0.01	0.05	0.010	0.98	0.31	12.93	0.08	0.002	0.04	0.14	48.1	2.1	0.03	0.003	1.59	0.022	0.005	0.049
66	7	8	ABAC 66008	48.1	33.2	<0.01	0.07	0.011	2.33	0.36	12.35	0.08	0.002	0.06	0.200	49.3	3.3	0.03	0.005	1.63	0.034	0.002	0.050
66	8	9	ABAC 66009	46.5	32.8	<0.01	0.08	0.008	0.93	0.56	12.00	0.12	0.003	0.05	0.220	51.3	5.3	0.04	0.009	1.53	0.017	0.002	0.044
66	9	10	ABAC 66010	45.6	31.8	0.01	0.06	0.007	1.06	0.70	11.58	0.15	0.002	0.04	0.190	52.4	6.4	0.05	0.014	1.44	0.018	0.002	0.039
66	10	11	ABAC 66011	40.0	29.9	0.01	0.16	0.007	0.86	0.77	11.27	0.16	0.003	0.04	0.340	54.8	8.8	0.06	0.012	1.29	0.016	0.001	0.035
66	11	12	ABAC 66012	38.8	29.1	0.01	0.13	0.007	1.16	0.68	10.63	0.14	0.002	0.04	0.270	56.0	10.0	0.04	0.007	1.11	0.017	0.001	0.032
66	12	13	ABAC 66013	38.0	29.3	<0.01	0.11	0.010	1.71	0.70	10.82	0.16	0.003	0.04	0.240	55.4	9.4	0.11	0.011	1.11	0.019	0.008	0.033
66	13	14	ABAC 66014	35.5	29.8	<0.01	0.08	0.009	0.61	0.77	11.03	0.16	0.003	0.04	0.190	55.2	9.2	0.26	0.013	1.20	0.018	0.002	0.032
66	14	15	ABAC 66015	39.1	31.0	0.01	0.07	0.006	0.60	0.82	11.66	0.13	0.003	0.06	0.190	53.9	7.9	0.57	0.018	0.95	0.016	0.002	0.025
66	15	16	ABAC 66016	39.9	30.8	0.02	0.09	0.008	0.55	0.84	12.02	0.16	0.006	0.17	0.210	53.6	7.6	0.69	0.017	0.98	0.017	<0.001	0.028
66	16	17	ABAC 66017	40.3	30.6	0.01	0.11	0.005	0.53	0.75	11.67	0.14	0.002	0.07	0.220	54.2	8.2	0.32	0.010	0.94	0.017	0.003	0.024
66	17	18	ABAC 66018	34.3	29.3	0.01	0.08	0.006	0.54	0.71	10.82	0.14	0.003	0.03	0.180	56.1	10.1	0.12	0.006	0.98	0.017	0.003	0.027
66	18	19	ABAC 66019	32.2	29.7	0.02	0.10	0.006	0.53	0.78	11.62	0.14	0.002	0.09	0.220	54.9	8.9	0.55	0.014	0.98	0.016	0.001	0.025
66	19	20	ABAC 66020	34.5	30.3	0.01	0.12	0.006	0.51	0.76	10.99	0.14	0.002	0.03	0.270	55.1	9.1	0.17	0.008	1.08	0.020	0.001	0.028
66	20	21	ABAC 66021	34.6	30.5	0.02	0.11	0.006	0.54	0.92	12.03	0.16	0.003	0.09	0.270	53.8	7.8	1.05	0.019	1.05	0.019	0.002	0.028
66	21	22	ABAC 66022	38.2	30.6	0.03	0.06	0.007	0.55	1.05	12.45	0.16	0.003	0.12	0.190	53.3	7.3	1.52	0.022	0.97	0.018	<0.001	0.028
66	22	23	ABAC 66023	36.7	30.8	0.02	0.11	0.005	0.60	0.97	12.00	0.16	<0.002	0.08	0.270	53.4	7.4	0.93	0.019	0.92	0.018	<0.001	0.024
66	23	24	ABAC 66024	47.2	30.3	0.01	0.08	0.006	0.74	0.98	11.37	0.18	0.003	0.06	0.210	54.5	8.5	0.50	0.013	0.99	0.019	0.002	0.031
66	24	25	ABAC 66025	62.6	29.9	0.02	0.06	0.007	0.79	1.26	12.02	0.19	0.002	0.12	0.190	53.4	7.4	1.49	0.020	1.04	0.018	0.001	0.035
66	25	26	ABAC 66026	43.0	30.6	0.02	0.10	0.006	0.72	1.13	12.35	0.20	0.004	0.12	0.230	53.0	7.0	1.03	0.016	0.88	0.017	<0.001	0.027
66	26	27	ABAC 66027	32.3	28.8	0.02	0.13	0.007	0.71	0.91	11.28	0.18	<0.002	0.06	0.260	55.3	9.3	0.42	0.012	0.87	0.018	<0.001	0.023
66	27	28	ABAC 66028	27.8	29.4	0.02	0.04	0.007	0.67	0.76	12.15	0.14	0.004	0.04	0.160	55.1	9.1	0.47	0.012	0.84	0.018	0.002	0.026
66	27	28	Dup 66028.1	26.9	29.8	0.01	0.08	0.007	0.67	0.76	12.15	0.13	0.003	0.06	0.220	54.4	8.4	0.46	0.011	0.83	0.017	0.002	0.026
66	28	29	ABAC 66029	41.2	25.9	<0.01	0.04	0.010	0.93	0.92	9.71	0.19	0.004	0.09	0.150	60.4	14.4	0.07	0.006	1.04	0.020	0.011	0.040
66	29	30	ABAC 66030	53.6	22.8	0.01	0.08	0.010	8.37	0.99	9.51	0.22	0.006	0.19	0.300	56.1	10.1	0.05	0.003	0.88	0.039	0.007	0.039
66	30	31	ABAC 66031	58.7	20.8	0.02	0.10	0.008	7.37	1.40	8.24	0.35	0.006	0.18	0.200	59.2	13.2	0.05	0.005	1.04	0.024	0.007	0.043
66	31	32	ABAC 66032	65.9	22.9	0.02	0.09	0.008	2.56	1.47	8.90	0.37	0.005	0.20	0.160	61.4	15.4	0.06	0.004	0.93	0.018	0.008	0.037
66	32	33	ABAC 66033	84.9	22.4	0.03	0.10	0.008	2.01	1.66	7.75	0.46	0.006	0.23	0.110	63.4	17.4	0.05	0.005	0.93	0.016	0.007	0.036
66	33	34	ABAC 66034	73.1	22.4	0.03	0.16	0.008	2.86	1.77	7.75	0.52	0.007	0.25	0.200	62.4	16.4	0.04	0.005	0.92	0.018	0.014	0.035
66	34	35	ABAC 66035	83.7	22.7	0.03	0.12	0.008	2.07	1.67	7.87	0.46	0.005	0.24	0.190	63.0	17.0	0.04	0.005	0.94	0.018	0.008	0.036
66	35	36	ABAC 66036	66.7	22.4	0.03	0.15	0.008	2.54	1.73	7.92	0.49	0.006	0.36	0.160	62.5	16.5	0.06	0.005	0.89	0.017	0.012	0.033
66	36	37	ABAC 66037	80.1	21.1	0.03	0.19	0.008	3.38	1.91	7.40	0.63	0.006	0.34	0.160	62.4	16.4	0.06	0.006	0.92	0.017	0.033	0.037
66	37	38	ABAC 66038	79.6	19.9	0.04	0.28	0.008	4.14	2.13	7.34	0.78	0.006	0.39	0.280	62.0	16.0	0.06	0.008	0.91	0.017	0.050	0.037

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
66	38	39	ABAC 66039	73.1	20.4	0.04	0.27	0.008	2.51	2.46	8.30	0.87	0.007	0.36	0.150	62.3	16.3	0.10	0.007	0.92	0.020	0.056	0.034
66	39	40	ABAC 66040	68.8	20.6	0.06	0.27	0.008	4.71	2.58	7.92	1.01	0.011	0.52	0.260	60.0	14.0	0.10	0.007	0.88	0.017	0.084	0.035
66			Std 66013.9		23.2	<0.01	0.66	0.014	2.44	0.60	0.58	0.77	0.19	0.94	0.040	63.4	17.4	0.04	0.001	0.05	0.003	0.007	0.002
67	0	1	ABAC 67001	60.7	28.0	<0.01	0.14	0.016	4.58	0.16	12.58	0.15	0.01	0.08	0.230	50.5	4.5	0.04	0.007	1.80	0.023	0.007	0.023
67	1	2	ABAC 67002	33.3	23.9	0.04	0.12	0.017	3.73	0.25	10.22	0.13	0.018	0.07	0.260	57.2	11.2	0.06	0.008	2.06	0.021	0.006	0.035
67	2	3	ABAC 67003	46.2	24.8	<0.01	0.10	0.015	3.20	0.23	10.27	0.11	0.017	0.06	0.160	57.1	11.1	0.05	0.010	2.19	0.015	0.004	0.032
67	3	4	ABAC 67004	75.4	24.4	0.01	0.14	0.012	3.44	0.21	9.91	0.10	0.014	0.07	0.300	58.1	12.1	0.032	0.008	2.10	0.018	0.008	0.026
67	4	5	ABAC 67005	59.4	23.1	0.02	0.09	0.016	5.39	0.18	9.65	0.11	0.022	0.04	0.100	58.3	12.3	0.05	0.007	2.07	0.038	0.004	0.030
67	5	6	ABAC 67006	65.6	23.1	0.02	0.10	0.011	3.96	0.20	9.51	0.11	0.018	0.12	0.140	59.8	13.8	0.06	0.008	1.95	0.020	0.004	0.031
67	6	7	ABAC 67007	69.8	20.5	0.01	0.09	0.012	3.10	0.19	8.56	0.10	0.009	0.05	0.21	63.8	17.8	0.04	0.006	1.95	0.019	0.031	0.036
67	7	8	ABAC 67008	65.2	22.0	0.01	0.08	0.018	3.85	0.07	9.35	0.07	0.005	0.10	0.100	60.3	14.3	0.05	0.004	2.50	0.024	0.012	0.039
67	8	9	ABAC 67009	62.9	25.6	0.01	0.12	0.021	5.27	0.07	10.86	0.10	0.004	0.19	0.260	53.7	7.7	0.06	0.003	2.33	0.025	0.006	0.033
67	9	10	ABAC 67010	68.1	31.7	<0.01	0.07	0.014	3.96	0.13	12.47	0.08	<0.002	0.13	0.190	48.9	2.9	0.05	0.005	1.46	0.035	0.015	0.038
67	10	11	ABAC 67011	64.2	32.6	<0.01	0.07	0.016	3.43	0.28	12.21	0.09	<0.002	0.04	0.110	48.8	2.8	0.02	0.005	1.36	0.056	0.003	0.038
67	11	12	ABAC 67012	57.4	32.1	<0.01	0.08	0.011	1.80	0.34	12.07	0.10	0.002	0.05	0.250	50.8	4.8	0.02	0.005	1.30	0.032	0.003	0.034
67	12	13	ABAC 67013	52.3	31.3	<0.01	0.05	0.009	0.81	0.36	11.75	0.11	<0.002	0.04	0.180	52.7	6.7	0.02	0.006	1.35	0.015	0.036	0.033
67	13	14	ABAC 67014	50.5	30.0	0.02	0.10	0.012	0.96	0.41	11.22	0.12	0.003	0.04	0.250	54.5	8.5	0.03	0.006	1.41	0.020	0.007	0.033
67	14	15	ABAC 67015	49.8	30.2	<0.01	0.04	0.009	0.80	0.51	11.17	0.13	0.003	0.03	0.130	54.3	8.3	0.03	0.006	1.30	0.019	0.004	0.036
67	15	16	ABAC 67016	51.9	30.6	0.02	0.05	0.007	0.57	0.63	11.20	0.15	0.004	0.03	0.190	54.3	8.3	0.03	0.008	1.09	0.013	0.037	0.033
67	16	17	ABAC 67017	46.0	30.5	0.02	0.12	0.008	0.61	0.70	11.23	0.18	0.004	0.03	0.300	54.5	8.5	0.04	0.010	1.14	0.016	0.011	0.031
67	17	18	ABAC 67018	36.7	28.5	0.01	0.05	0.009	0.70	0.57	10.69	0.13	0.002	0.03	0.180	56.7	10.7	0.04	0.008	1.19	0.017	0.007	0.034
67	18	19	ABAC 67019	39.5	29.9	0.02	0.11	0.009	0.69	0.61	11.18	0.14	0.002	0.03	0.340	54.9	8.9	0.05	0.009	1.11	0.021	0.038	0.030
67	19	20	ABAC 67020	41.9	30.6	0.02	0.05	0.009	0.58	0.79	11.28	0.18	<0.002	0.03	0.150	54.5	8.5	0.16	0.013	1.07	0.017	0.010	0.027
67	20	21	ABAC 67021	33.7	27.7	0.02	0.14	0.008	0.65	0.70	10.58	0.18	0.004	0.04	0.360	57.7	11.7	0.07	0.008	1.09	0.015	0.008	0.034
67	21	22	ABAC 67022	39.1	29.7	0.03	0.05	0.008	0.64	0.79	11.41	0.15	0.003	0.06	0.170	55.1	9.1	0.46	0.013	1.00	0.017	0.009	0.029
67	22	23	ABAC 67023	45.1	30.8	0.03	0.08	0.005	0.59	0.99	12.41	0.16	0.002	0.10	0.260	52.5	6.5	1.15	0.025	0.90	0.016	0.005	0.023
67	23	24	ABAC 67024	42.1	30.4	0.03	0.16	0.006	0.58	1.01	12.29	0.18	0.003	0.07	0.420	53.1	7.1	0.89	0.025	0.88	0.014	0.004	0.022
67	24	25	ABAC 67025	39.3	30.8	0.04	0.03	0.006	0.61	1.15	12.89	0.15	0.003	0.11	0.150	52.3	6.3	1.74	0.030	0.84	0.014	0.004	0.022
67	25	26	ABAC 67026	32.8	30.2	0.04	0.06	0.006	0.64	1.11	13.01	0.14	0.004	0.11	0.200	52.5	6.5	1.85	0.026	0.89	0.017	0.005	0.022
67	26	27	ABAC 67027	27.6	30.1	0.02	0.10	0.008	0.70	0.78	11.50	0.15	0.005	0.04	0.240	54.6	8.6	0.38	0.011	0.93	0.016	0.009	0.024
67	27	28	ABAC 67028	31.5	29.9	0.03	0.03	0.006	0.69	0.81	11.72	0.14	0.003	0.05	0.130	54.6	8.6	0.62	0.015	0.92	0.019	0.008	0.028
67	28	29	ABAC 67029	50.1	25.0	0.03	0.04	0.011	0.81	1.18	10.01	0.20	0.003	0.06	0.130	60.1	14.1	0.90	0.016	1.15	0.026	0.005	0.042

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
67	29	30	ABAC 67030	59.2	24.2	0.03	0.03	0.006	0.71	1.24	9.42	0.23	0.003	0.05	0.100	61.8	15.8	0.77	0.014	1.02	0.017	0.002	0.043
67	30	31	ABAC 67031	57.1	25.2	0.03	0.03	0.009	0.80	1.24	9.37	0.26	0.003	0.04	0.120	60.1	14.1	0.28	0.011	1.03	0.018	0.029	0.038
67	31	32	ABAC 67032	45.4	26.5	<0.01	0.03	0.009	1.67	1.22	9.64	0.26	0.008	0.04	0.086	58.9	12.9	0.03	0.005	0.83	0.014	0.006	0.028
67	32	33	ABAC 67033	54.6	22.9	0.03	0.05	0.008	10.70	1.24	9.35	0.30	0.016	0.05	0.160	54.2	8.2	0.04	0.005	0.84	0.018	0.019	0.033
67	33	34	ABAC 67034	57.3	24.6	0.03	0.09	0.008	2.27	1.41	8.85	0.37	0.006	0.18	0.130	60.0	14.0	0.04	0.005	0.82	0.014	0.011	0.030
67	34	35	ABAC 67035	63.0	24.5	0.03	0.17	0.008	2.07	1.57	8.58	0.51	0.005	0.21	0.180	60.3	14.3	0.05	0.006	0.78	0.015	0.016	0.028
67	35	36	ABAC 67036	59.2	22.6	0.04	0.18	0.009	1.94	1.77	7.94	0.67	0.009	0.57	0.260	61.7	15.7	0.10	0.007	0.76	0.014	0.025	0.028
67	35	36	Dup 67036.1	60.0	22.8	0.04	0.25	0.004	2.01	1.75	8.02	0.68	0.004	0.42	0.200	60.9	14.9	0.07	0.008	0.78	0.012	0.027	0.029
67	36	37	ABAC 67037	58.6	21.7	0.05	0.18	0.010	2.99	2.12	7.38	0.88	0.012	0.37	0.210	61.1	15.1	0.05	0.007	0.76	0.015	0.053	0.028
67	37	38	ABAC 67038	53.1	21.0	0.05	0.22	0.009	4.31	2.46	6.96	1.06	0.012	0.46	0.200	60.7	14.7	0.05	0.008	0.77	0.013	0.045	0.028
67	38	39	ABAC 67039	56.6	20.2	0.06	0.21	0.006	5.30	2.58	7.10	1.09	0.014	0.49	0.130	60.0	14.0	0.05	0.008	0.68	0.011	0.055	0.025
67	39	40	ABAC 67040	51.0	20.1	0.06	0.20	0.008	7.05	2.54	7.27	1.03	0.027	0.59	0.270	58.7	12.7	0.05	0.008	0.66	0.013	0.071	0.025
67	40	41	ABAC 67041	48.9	19.9	0.07	0.21	0.005	6.60	2.60	6.93	0.97	0.028	0.47	0.160	59.7	13.7	0.05	0.008	0.68	0.011	0.053	0.024
67	41	42	ABAC 67042	61.1	20.3	0.07	0.19	0.010	5.83	2.74	6.76	1.04	0.02	0.39	0.230	60.7	14.7	0.04	0.008	0.85	0.013	0.045	0.033
67	42	43	ABAC 67043	74.9	20.3	0.05	0.17	0.008	3.99	2.50	7.46	0.93	0.01	0.37	0.190	62.2	16.2	0.06	0.009	0.91	0.017	0.038	0.033
67	43	44	ABAC 67044	64.9	20.9	0.04	0.14	0.009	5.24	2.10	8.10	0.63	0.008	0.40	0.200	60.1	14.1	0.07	0.007	0.96	0.017	0.025	0.038
67	44	45	ABAC 67045	62.2	23.5	0.04	0.11	0.011	2.03	2.11	7.88	0.55	0.008	0.23	0.190	61.3	15.3	0.04	0.007	1.06	0.016	0.014	0.040
67	45	46	ABAC 67046	33.6	25.1	0.03	0.12	0.008	1.66	1.81	8.83	0.35	0.007	0.22	0.340	59.4	13.4	0.04	0.006	0.96	0.017	0.017	0.027
67	46	47	ABAC 67047	34.4	25.8	0.02	0.09	0.010	1.19	1.43	9.19	0.28	0.005	0.12	0.250	59.6	13.6	0.03	0.005	0.84	0.014	0.006	0.024
67	47	48	ABAC 67048	34.7	25.8	0.02	0.11	0.011	1.64	1.19	9.80	0.27	0.004	0.12	0.260	59.4	13.4	0.04	0.005	0.79	0.018	0.008	0.024
67			Std 67012.9		23.1	<0.01	0.65	0.015	2.47	0.61	0.83	0.78	0.19	0.93	0.045	63.4	17.4	0.04	0.003	0.06	0.005	0.007	<0.002
68	0	1	ABAC 68001	49.9	26.4	<0.01	0.13	0.012	4.76	0.21	11.90	0.13	0.009	0.05	0.043	53.3	7.3	0.04	0.006	1.80	0.030	0.007	0.024
68	1	2	ABAC 68002	33.1	22.8	0.02	0.11	0.012	3.38	0.26	9.15	0.14	0.013	0.06	0.039	61.0	15.0	0.05	0.007	1.97	0.021	0.005	0.024
68	2	3	ABAC 68003	36.3	22.6	<0.01	0.11	0.014	4.73	0.20	9.22	0.15	0.019	0.06	0.035	59.8	13.8	0.05	0.006	2.00	0.034	0.005	0.032
68	3	4	ABAC 68004	17.7	22.9	0.03	0.11	0.017	3.85	0.42	9.29	0.13	0.021	0.09	0.037	59.7	13.7	0.060	0.008	1.91	0.025	0.023	0.044
68	4	5	ABAC 68005	61.5	25.6	0.01	0.10	0.013	4.79	0.21	10.25	0.13	0.019	0.06	0.049	56.0	10.0	0.07	0.009	2.10	0.032	0.008	0.031
68	5	6	ABAC 68006	80.8	26.5	0.01	0.10	0.012	5.07	0.21	10.53	0.12	0.012	0.05	0.047	54.4	8.4	0.05	0.008	1.97	0.032	0.006	0.022
68	6	7	ABAC 68007	61.8	22.9	<0.01	0.09	0.013	4.10	0.18	9.14	0.11	0.016	0.04	0.04	60.6	14.6	0.06	0.008	1.84	0.025	0.018	0.028
68	7	8	ABAC 68008	60.2	21.5	0.01	0.09	0.012	3.63	0.19	8.64	0.09	0.011	0.04	0.042	63.1	17.1	0.05	0.006	1.75	0.023	0.007	0.033
68	8	9	ABAC 68009	62.6	25.8	<0.01	0.08	0.014	2.81	0.04	10.27	0.03	<0.002	0.04	0.034	57.8	11.8	0.07	0.004	2.02	0.023	0.004	0.034
68	9	10	ABAC 68010	56.7	26.1	<0.01	0.09	0.019	3.42	0.06	10.34	0.09	0.004	0.05	0.029	57.0	11.0	0.05	0.003	2.12	0.027	0.020	0.034
68	10	11	ABAC 68011	51.3	30.5	<0.01	0.05	0.013	1.66	0.07	11.56	<0.01	<0.002	0.05	0.036	53.6	7.6	0.05	0.004	1.68	0.019	0.005	0.048

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
68	11	12	ABAC 68012	47.4	30.7	<0.01	0.06	0.010	1.33	0.08	11.51	0.04	<0.002	0.05	0.031	53.9	7.9	0.05	0.005	1.72	0.015	0.005	0.046
68	12	13	ABAC 68013	39.7	30.2	<0.01	0.05	0.007	1.04	0.11	11.47	0.05	0.002	0.05	0.038	54.6	8.6	0.22	0.008	1.76	0.016	0.006	0.053
68	13	14	ABAC 68014	38.8	29.1	<0.01	0.05	0.008	1.05	0.07	10.81	0.05	0.003	0.04	0.032	56.5	10.5	0.05	0.006	1.90	0.017	0.004	0.059
68	14	15	ABAC 68015	43.7	29.5	<0.01	0.05	0.009	1.09	0.08	11.08	0.05	<0.002	0.04	0.035	55.0	9.0	0.11	0.006	1.95	0.018	0.004	0.063
68	15	16	ABAC 68016	46.6	30.0	0.02	0.06	0.011	1.09	0.21	11.54	0.07	<0.002	0.05	0.097	53.7	7.7	0.34	0.031	1.72	0.020	0.008	0.050
68	16	17	ABAC 68017	47.4	30.7	0.02	0.03	0.011	0.87	0.64	12.19	0.12	0.003	0.07	0.086	53.6	7.6	0.83	0.032	1.16	0.019	0.003	0.033
68	17	18	ABAC 68018	42.0	30.2	0.03	0.04	0.013	0.95	0.90	12.01	0.15	0.003	0.10	0.110	53.2	7.2	1.27	0.044	1.14	0.018	0.003	0.032
68	18	19	ABAC 68019	43.3	29.1	0.02	0.04	0.008	0.82	0.91	11.57	0.14	0.002	0.11	0.100	55.0	9.0	1.27	0.043	1.12	0.016	0.008	0.030
68	18	19	Dup 68019.1	41.3	30.0	0.03	0.04	0.010	0.85	0.94	11.86	0.16	0.002	0.11	0.110	53.6	7.6	1.32	0.046	1.15	0.017	0.008	0.032
68	19	20	ABAC 68020	42.1	28.0	0.02	0.04	0.009	0.70	0.87	10.89	0.15	0.003	0.11	0.079	57.1	11.1	1.09	0.031	1.11	0.017	0.004	0.031
68	20	21	ABAC 68021	50.3	32.6	0.03	0.03	0.010	0.64	2.19	21.65	0.13	0.002	0.86	0.190	39.9	-6.1	9.72	0.081	0.76	0.016	0.015	0.018
68	21	22	ABAC 68022	38.8	29.6	0.02	0.04	0.009	0.66	0.99	12.26	0.15	0.002	0.18	0.085	54.0	8.0	1.88	0.030	1.00	0.020	0.008	0.031
68	22	23	ABAC 68023	45.0	29.8	0.03	0.04	0.010	0.65	1.51	15.01	0.16	0.003	0.37	0.120	50.8	4.8	4.51	0.043	0.99	0.016	0.007	0.028
68	23	24	ABAC 68024	42.0	27.9	0.02	0.03	0.010	3.50	1.21	12.96	0.16	0.022	0.30	0.120	52.2	6.2	2.88	0.030	0.99	0.020	0.009	0.031
68	24	25	ABAC 68025	77.0	26.4	0.03	0.04	0.007	0.72	1.68	15.93	0.16	0.003	0.68	0.110	52.2	6.2	6.62	0.049	1.02	0.016	0.003	0.040
68	25	26	ABAC 68026	45.7	24.7	0.03	0.04	0.008	1.82	1.39	11.52	0.21	0.007	0.28	0.098	57.7	11.7	2.82	0.028	1.20	0.018	0.006	0.059
68	26	27	ABAC 68027	62.0	24.2	0.02	0.04	0.007	2.79	1.55	12.48	0.19	0.014	0.31	0.098	55.6	9.6	3.73	0.029	0.98	0.020	0.010	0.047
68	27	28	ABAC 68028	56.4	25.1	0.02	0.04	0.009	2.78	1.74	12.80	0.19	0.015	0.22	0.094	54.7	8.7	3.83	0.028	0.95	0.020	0.005	0.038
68	28	29	ABAC 68029	54.8	26.3	0.03	0.04	0.006	1.19	1.77	12.19	0.22	0.003	0.15	0.062	56.2	10.2	3.18	0.021	0.89	0.013	0.004	0.030
68	29	30	ABAC 68030	51.1	24.8	0.02	0.05	0.007	7.31	1.18	9.45	0.25	0.016	0.05	0.082	55.2	9.2	0.23	0.005	0.85	0.020	0.009	0.032
68	30	31	ABAC 68031	56.6	23.7	0.02	0.05	0.007	8.02	1.28	8.90	0.31	0.011	0.09	0.099	55.6	9.6	0.07	0.005	0.89	0.020	0.013	0.035
68	31	32	ABAC 68032	61.7	24.6	0.03	0.08	0.007	4.74	1.32	8.85	0.35	0.008	0.06	0.088	58.3	12.3	0.08	0.005	0.80	0.015	0.013	0.032
68	32	33	ABAC 68033	62.2	23.3	0.03	0.12	0.005	2.65	1.57	8.04	0.47	0.005	0.08	0.086	61.7	15.7	0.13	0.005	0.78	0.014	0.016	0.028
68	33	34	ABAC 68034	64.3	23.4	0.03	0.14	0.005	2.67	1.80	7.91	0.68	0.005	0.11	0.080	61.0	15.0	0.13	0.006	0.85	0.017	0.031	0.031
68	34	35	ABAC 68035	61.6	22.1	0.04	0.16	0.006	2.62	1.94	7.48	0.75	0.004	0.15	0.091	61.3	15.3	0.08	0.006	0.76	0.014	0.035	0.028
68	35	36	ABAC 68036	59.8	21.7	0.05	0.19	0.007	4.71	2.21	7.43	0.90	0.01	0.17	0.094	59.2	13.2	0.04	0.006	0.78	0.015	0.073	0.028
68	36	37	ABAC 68037	57.6	21.0	0.06	0.20	0.006	4.83	2.49	7.44	0.96	0.011	0.52	0.075	59.6	13.6	0.07	0.008	0.76	0.015	0.060	0.028
68	37	38	ABAC 68038	56.2	20.4	0.04	0.18	0.006	6.36	2.54	7.62	0.94	0.018	0.54	0.110	58.8	12.8	0.08	0.007	0.74	0.014	0.066	0.028
68	38	39	ABAC 68039	58.2	18.8	0.05	0.16	0.006	10.90	2.44	7.43	0.80	0.028	0.42	0.140	56.4	10.4	0.12	0.005	0.75	0.014	0.087	0.030
68	39	40	ABAC 68040	58.1	19.1	0.04	0.15	0.005	10.70	2.45	7.63	0.81	0.028	0.36	0.140	56.3	10.3	0.14	0.006	0.76	0.014	0.085	0.032
68	40	41	ABAC 68041	72.7	20.7	0.04	0.15	0.008	3.90	2.48	7.08	0.97	0.009	0.29	0.065	61.6	15.6	0.05	0.006	0.94	0.017	0.056	0.035
68	41	42	ABAC 68042	72.5	20.7	0.04	0.15	0.007	4.87	2.12	7.58	0.76	0.01	0.25	0.086	61.1	15.1	0.05	0.006	0.92	0.021	0.110	0.035
68			Std 68006.9		23.3	<0.01	0.66	0.015	2.45	0.60	0.64	0.79	0.19	0.95	0.040	63.7	17.7	0.05	0.002	0.06	0.002	0.007	0.003

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
69	0	1	ABAC 69001	20.8	18.1	0.13	0.10	0.016	3.25	0.53	7.70	0.20	0.017	0.07	0.040	66.0	20.0	0.13	0.006	1.78	0.021	0.091	0.047
69	1	2	ABAC 69002	11.4	24.6	0.06	0.11	0.017	3.17	0.31	10.13	0.15	0.009	0.07	0.034	59.2	13.2	0.08	0.007	1.32	0.015	0.030	0.021
69	2	3	ABAC 69003	22.6	25.5	0.03	0.09	0.017	3.57	0.19	10.38	0.13	0.014	0.04	0.036	57.0	11.0	0.06	0.006	2.21	0.021	0.011	0.032
69	3	4	ABAC 69004	22.1	24.5	0.07	0.11	0.020	3.65	0.17	10.01	0.13	0.016	0.04	0.040	58.0	12.0	0.072	0.006	2.22	0.021	0.017	0.042
69	4	5	ABAC 69005	28.5	25.7	0.03	0.09	0.015	3.01	0.17	10.13	0.11	0.013	0.04	0.038	58.3	12.3	0.06	0.006	1.94	0.018	0.007	0.033
69	5	6	ABAC 69006	21.1	30.1	<0.01	0.13	0.017	3.32	0.19	11.90	0.13	0.008	0.05	0.036	51.9	5.9	0.04	0.006	1.29	0.019	0.011	0.019
69	6	7	ABAC 69007	29.7	26.4	0.04	0.08	0.014	3.67	0.23	10.79	0.11	0.01	0.05	0.04	55.7	9.7	0.06	0.006	1.84	0.022	0.080	0.029
69	7	8	ABAC 69008	80.2	24.5	0.03	0.07	0.015	4.00	0.20	9.79	0.14	0.02	0.05	0.047	58.1	12.1	0.06	0.009	2.23	0.024	0.010	0.030
69	8	9	ABAC 69009	60.1	23.1	0.01	0.08	0.014	3.90	0.21	9.23	0.14	0.015	0.05	0.043	60.1	14.1	0.04	0.008	2.11	0.019	0.008	0.037
69	9	10	ABAC 69010	46.9	24.4	0.02	0.08	0.014	3.94	0.30	9.76	0.14	0.009	0.05	0.041	58.8	12.8	0.04	0.008	1.81	0.016	0.038	0.041
69	10	11	ABAC 69011	75.7	25.5	<0.01	0.08	0.021	3.84	0.13	10.37	0.14	0.003	0.04	0.029	57.0	11.0	0.04	0.005	2.10	0.017	0.008	0.034
69	11	12	ABAC 69012	81.9	27.5	0.01	0.08	0.023	4.50	0.05	11.25	0.13	0.004	0.04	0.028	53.7	7.7	0.04	0.003	2.30	0.021	0.006	0.032
69	12	13	ABAC 69013	71.1	27.2	<0.01	0.08	0.023	5.03	0.05	11.23	0.12	0.002	0.05	0.031	52.9	6.9	0.04	0.003	2.29	0.029	0.009	0.032
69	12	13	Dup 69013.1	54.3	27.0	<0.01	0.10	0.024	5.12	0.05	11.05	0.13	0.003	0.04	0.031	53.1	7.1	0.04	0.003	2.29	0.031	0.010	0.033
69	13	14	ABAC 69014	70.4	25.8	<0.01	0.12	0.014	4.49	0.33	10.16	0.27	0.004	0.06	0.044	56.4	10.4	0.04	0.007	1.78	0.018	0.008	0.039
69	14	15	ABAC 69015	72.1	22.4	0.01	0.13	0.011	8.71	0.48	9.14	0.41	0.004	0.08	0.061	55.9	9.9	0.04	0.009	1.26	0.026	0.01	0.033
69	15	16	ABAC 69016	69.1	24.5	0.02	0.12	0.019	5.42	0.46	9.99	0.50	0.004	0.11	0.043	55.4	9.4	0.05	0.009	1.48	0.016	0.015	0.033
69	16	17	ABAC 69017	79.6	25.0	0.01	0.15	0.013	7.76	1.06	9.79	1.05	0.008	0.39	0.063	52.7	6.7	0.13	0.020	0.90	0.026	0.028	0.024
69	17	18	ABAC 69018	78.1	25.3	<0.01	0.20	0.012	8.34	0.89	10.30	1.22	0.009	0.30	0.062	51.1	5.1	0.14	0.018	0.93	0.025	0.037	0.022
69			Std 69018.9		23.1	<0.01	0.66	0.017	2.46	0.61	0.79	0.79	0.19	0.94	0.043	64.1	18.1	0.05	0.003	0.06	0.005	0.007	0.003
69	18	19	ABAC 69019	81.4	26.0	0.02	0.17	0.013	8.52	0.75	10.40	1.25	0.008	0.33	0.076	50.4	4.4	0.16	0.021	0.97	0.025	0.035	0.024
70	0	1	ABAC 70001	35.4	30.7	<0.01	0.12	0.015	4.88	0.15	12.45	0.20	0.004	0.06	0.036	48.5	2.5	0.04	0.006	1.14	0.025	0.017	0.015
70	1	2	ABAC 70002	24.4	21.0	0.05	0.09	0.019	3.43	0.16	8.57	0.12	0.018	0.06	0.040	63.0	17.0	0.06	0.006	1.97	0.025	0.005	0.032
70	2	3	ABAC 70003	46.9	22.8	0.03	0.08	0.018	3.87	0.18	9.10	0.13	0.018	0.06	0.043	60.6	14.6	0.05	0.008	2.07	0.037	0.003	0.030
70	3	4	ABAC 70004	76.7	26.2	<0.01	0.08	0.015	3.31	0.21	10.10	0.11	0.014	0.05	0.044	56.7	10.7	0.044	0.009	2.18	0.019	0.006	0.027
70	4	5	ABAC 70005	77.8	25.3	0.01	0.08	0.015	4.49	0.20	9.84	0.10	0.018	0.04	0.047	56.8	10.8	0.05	0.009	2.21	0.033	0.004	0.027
70	5	6	ABAC 70006	45.1	24.5	0.02	0.09	0.013	3.85	0.21	9.45	0.10	0.012	0.04	0.043	58.1	12.1	0.05	0.008	2.00	0.030	0.004	0.039
70	6	7	ABAC 70007	54.5	24.3	0.02	0.08	0.014	3.78	0.26	9.38	0.12	0.005	0.04	0.04	59.4	13.4	0.05	0.007	1.71	0.023	0.018	0.039
70	7	8	ABAC 70008	70.9	25.2	0.02	0.09	0.020	3.51	0.12	9.81	0.11	0.003	0.04	0.032	58.5	12.5	0.04	0.005	2.22	0.016	0.005	0.032
70	8	9	ABAC 70009	67.0	26.0	0.01	0.10	0.024	3.95	0.06	10.27	0.12	0.004	0.04	0.028	56.0	10.0	0.04	0.004	2.42	0.023	0.005	0.036
70	9	10	ABAC 70010	51.1	24.3	0.02	0.10	0.022	3.41	0.06	9.63	0.11	0.002	0.04	0.027	58.4	12.4	0.04	0.004	2.42	0.017	0.027	0.038
70	10	11	ABAC 70011	55.2	25.0	0.01	0.11	0.023	3.79	0.05	9.91	0.13	0.003	0.04	0.023	57.1	11.1	0.04	0.003	2.36	0.016	0.007	0.033

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
70	10	11	Dup 710011.1	64.0	24.9	0.01	0.11	0.025	3.75	0.05	9.92	0.12	0.003	0.05	0.025	57.3	11.3	0.03	0.004	2.34	0.013	0.007	0.035
70	11	12	ABAC 70012	45.5	22.6	0.01	0.12	0.023	5.25	0.08	9.06	0.14	0.005	0.05	0.032	59.5	13.5	0.03	0.003	2.13	0.028	0.007	0.035
70	12	13	ABAC 70013	72.1	25.8	0.01	0.13	0.013	7.81	0.75	9.49	0.33	0.006	0.07	0.071	53.1	7.1	0.05	0.012	1.14	0.035	0.01	0.029
70	13	14	ABAC 70014	78.8	28.7	0.02	0.15	0.009	5.15	1.03	10.25	0.46	0.007	0.11	0.078	51.9	5.9	0.11	0.021	1.03	0.018	0.008	0.028
70	14	15	ABAC 70015	76.1	28.4	0.01	0.17	0.008	8.65	0.79	10.73	0.47	0.006	0.10	0.095	47.7	1.7	0.11	0.022	1.01	0.023	0.011	0.027
70	15	16	ABAC 70016	68.0	26.8	0.01	0.15	0.013	6.08	0.65	10.39	0.44	0.005	0.10	0.071	52.8	6.8	0.14	0.019	1.17	0.019	0.015	0.036
70			Std 70007.9		23.2	<0.01	0.65	0.015	2.48	0.62	0.69	0.79	0.19	0.93	0.040	63.9	17.9	0.04	0.003	0.06	0.003	0.007	0.003
71	0	1	ABAC 71001	42.0	24.0	0.02	0.14	0.019	3.50	0.18	9.82	0.15	0.013	0.04	0.040	58.4	12.4	0.04	0.007	1.92	0.019	0.006	0.031
71	1	2	ABAC 71002	30.8	23.7	0.03	0.12	0.018	4.13	0.23	10.40	0.14	0.007	0.11	0.280	58.0	12.0	0.06	0.007	1.64	0.019	0.004	0.031
71	2	3	ABAC 71003	56.6	24.9	0.03	0.13	0.020	3.78	0.10	9.97	0.13	0.003	0.05	0.140	57.4	11.4	0.04	0.004	2.17	0.018	0.003	0.031
71	3	4	ABAC 71004	71.4	25.3	0.01	0.11	0.027	3.84	0.06	10.31	0.12	0.003	0.05	0.062	55.9	9.9	0.040	0.003	2.35	0.021	0.019	0.031
71	4	5	ABAC 71005	51.8	21.9	0.02	0.12	0.021	3.07	0.06	8.81	0.12	0.003	0.05	0.160	62.0	16.0	0.04	0.005	2.44	0.017	0.007	0.038
71	5	6	ABAC 71006	38.2	27.1	0.01	0.09	0.020	2.44	0.26	10.32	0.13	0.003	0.04	0.088	56.3	10.3	0.03	0.005	1.86	0.015	0.006	0.032
71	6	7	ABAC 71007	39.1	27.8	0.02	0.07	0.013	1.21	0.69	9.93	0.17	0.002	0.03	0.07	57.5	11.5	0.04	0.012	1.29	0.016	0.007	0.036
71	7	8	ABAC 71008	42.7	28.7	0.03	0.07	0.010	1.05	0.98	10.02	0.25	0.004	0.04	0.073	56.8	10.8	0.06	0.011	1.11	0.014	0.002	0.034
71	8	9	ABAC 71009	48.2	27.2	0.03	0.07	0.009	1.35	0.80	9.71	0.23	0.003	0.04	0.082	58.2	12.2	0.05	0.022	1.18	0.023	0.003	0.038
71	8	9	Dup 71009.1	45.2	27.2	0.04	0.09	0.010	1.35	0.81	9.78	0.23	0.003	0.07	0.150	58.0	12.0	0.06	0.021	1.16	0.024	0.004	0.034
71	9	10	ABAC 71010	44.7	28.3	0.02	0.05	0.009	1.07	1.00	10.35	0.25	0.003	0.04	0.043	57.4	11.4	0.08	0.010	1.13	0.015	0.002	0.034
71	10	11	ABAC 71011	45.2	28.0	0.02	0.05	0.008	1.01	0.94	10.18	0.23	0.003	0.04	0.049	57.0	11.0	0.06	0.011	1.15	0.016	0.002	0.035
71	11	12	ABAC 71012	45.4	28.0	0.03	0.03	0.009	0.97	1.04	10.41	0.24	0.003	0.03	0.037	57.0	11.0	0.09	0.008	1.07	0.014	0.002	0.032
71	12	13	ABAC 71013	37.6	29.7	0.04	0.03	0.009	1.03	1.17	11.16	0.25	0.003	0.03	0.092	54.5	8.5	0.28	0.017	0.97	0.018	0.007	0.026
71	13	14	ABAC 71014	39.0	30.0	0.03	0.03	0.007	1.00	1.23	11.33	0.25	0.004	0.04	0.069	54.3	8.3	0.40	0.020	0.95	0.019	0.003	0.026
71	14	15	ABAC 71015	38.0	29.9	0.03	0.03	0.011	1.02	1.23	11.19	0.24	0.005	0.03	0.064	54.4	8.4	0.40	0.016	0.96	0.017	0.003	0.025
71	15	16	ABAC 71016	36.6	29.8	0.02	0.03	0.009	1.09	1.09	11.18	0.22	0.003	0.04	0.049	54.7	8.7	0.28	0.010	0.86	0.015	0.007	0.021
71	16	17	ABAC 71017	33.1	29.5	0.02	0.03	0.013	1.52	1.06	10.96	0.23	0.003	0.04	0.035	54.5	8.5	0.06	0.004	1.02	0.019	0.004	0.026
71	17	18	ABAC 71018	58.2	25.8	0.04	0.07	0.013	4.73	1.68	9.29	0.39	0.007	0.05	0.047	56.0	10.0	0.04	0.006	1.11	0.025	0.007	0.036
71	18	19	ABAC 71019	68.8	23.2	0.04	0.11	0.014	6.33	1.78	8.62	0.46	0.01	0.07	0.065	57.4	11.4	0.04	0.006	1.02	0.023	0.011	0.036
71	19	20	ABAC 71020	71.2	19.8	0.03	0.12	0.009	7.49	1.79	7.76	0.49	0.011	0.08	0.059	59.3	13.3	0.04	0.005	0.95	0.018	0.012	0.031
71	20	21	ABAC 71021	75.0	21.9	0.04	0.15	0.012	3.75	1.83	7.96	0.56	0.007	0.09	0.075	60.5	14.5	0.03	0.005	0.92	0.016	0.009	0.028
71	21	22	ABAC 71022	77.1	20.8	0.04	0.14	0.008	4.72	2.01	7.19	0.68	0.009	0.13	0.075	60.5	14.5	0.03	0.006	0.92	0.016	0.015	0.028
71	22	23	ABAC 71023	74.1	20.3	0.04	0.14	0.009	5.77	2.19	7.07	0.80	0.013	0.15	0.081	59.5	13.5	0.02	0.007	0.89	0.015	0.026	0.029
71	23	24	ABAC 71024	74.1	21.1	0.04	0.18	0.007	4.91	2.27	7.13	0.80	0.013	0.13	0.065	59.5	13.5	0.02	0.006	0.90	0.017	0.023	0.031

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
71	24	25	ABAC 71025	56.5	21.7	0.04	0.13	0.009	2.73	2.2	7.08	0.65	0.007	0.13	0.073	62.1	16.1	0.018	0.006	0.92	0.018	0.013	0.031
71	25	26	ABAC 71026	37.9	20.1	0.05	0.12	0.009	8.72	2.28	7.45	0.52	0.014	0.09	0.13	57.4	11.4	0.024	0.007	0.92	0.016	0.018	0.033
71			Std 71026.9		23.3	<0.01	0.66	0.015	2.46	0.61	0.7	0.78	0.19	0.93	0.044	63.9	17.9	0.043	0.003	0.058	0.003	0.007	0.002
71	26	27	ABAC 71027	26.8	18.2	0.07	0.09	0.014	9.91	2.68	6.68	0.44	0.014	0.09	0.083	58.9	12.9	0.017	0.005	0.88	0.018	0.015	0.033
71	27	28	ABAC 71028	61.7	21	0.04	0.15	0.008	7.65	2.23	7.75	0.6	0.008	0.21	0.078	57.4	11.4	0.034	0.006	0.98	0.017	0.015	0.048
71	28	29	ABAC 71029	78.1	20.3	0.05	0.14	0.007	2.53	2.34	6.75	0.64	0.007	0.26	0.054	63.3	17.3	0.033	0.006	0.99	0.014	0.012	0.038
71	29	30	ABAC 71030	66.4	20.7	0.05	0.13	0.01	2.33	2.64	6.6	0.67	0.006	0.16	0.044	64.2	18.2	0.019	0.007	1	0.014	0.013	0.04
71	30	31	ABAC 71031	36.3	20.2	0.07	0.13	0.007	5.52	3.09	6.82	0.61	0.009	0.27	0.057	60.7	14.7	0.039	0.006	0.93	0.015	0.017	0.054
71	31	32	ABAC 71032	47.9	19.7	0.07	0.13	0.008	5.48	2.93	6.68	0.84	0.019	0.31	0.053	60.9	14.9	0.036	0.006	0.87	0.015	0.032	0.037
71	32	33	ABAC 71033	52.0	20.4	0.06	0.14	0.009	5.57	2.8	6.73	1.01	0.019	0.34	0.055	60.1	14.1	0.037	0.007	0.92	0.013	0.03	0.042
72	0	1	ABAC 72001	36.7	30.0	0.01	0.11	0.016	4.84	0.17	12.43	0.12	0.005	0.04	0.036	49.4	3.4	0.03	0.006	1.49	0.029	0.005	0.019
72	1	2	ABAC 72002	65.5	24.8	<0.01	0.09	0.020	3.90	0.09	9.95	0.10	0.004	0.04	0.022	57.9	11.9	0.04	0.003	2.06	0.024	0.003	0.033
72	2	3	ABAC 72003	67.7	28.0	<0.01	0.11	0.019	4.85	0.19	11.15	0.14	0.003	0.05	0.030	52.2	6.2	0.04	0.005	1.89	0.027	0.003	0.032
72	3	4	ABAC 72004	79.4	28.0	0.01	0.08	0.014	7.29	0.30	11.16	0.14	0.002	0.05	0.039	50.2	4.2	0.058	0.004	1.69	0.030	0.035	0.035
72	4	5	ABAC 72005	81.6	29.9	0.01	0.10	0.008	7.51	0.74	11.28	0.26	0.011	0.15	0.061	47.7	1.7	0.10	0.013	1.16	0.025	0.005	0.031
72	5	6	ABAC 72006	83.7	29.3	<0.01	0.11	0.009	8.22	1.07	11.08	0.40	0.007	0.17	0.069	47.1	1.1	0.12	0.017	0.98	0.023	0.008	0.028
72	6	7	ABAC 72007	89.3	31.1	0.02	0.10	0.006	4.36	1.10	11.90	0.40	0.006	0.19	0.08	48.1	2.1	0.13	0.020	1.03	0.022	0.011	0.026
72	7	8	ABAC 72008	76.5	28.3	0.02	0.10	0.007	4.77	0.80	10.92	0.29	0.007	0.17	0.089	52.2	6.2	0.16	0.020	1.16	0.020	0.008	0.034
72	8	9	ABAC 72009	49.2	22.0	0.02	0.07	0.007	3.20	0.38	8.65	0.13	0.004	0.05	0.068	63.3	17.3	0.25	0.016	1.16	0.017	0.005	0.045
72	9	10	ABAC 72010	44.1	24.3	<0.01	0.06	0.005	1.88	0.21	9.41	0.09	0.003	0.05	0.052	61.7	15.7	0.18	0.013	1.38	0.017	0.007	0.054
72	10	11	ABAC 72011	44.2	25.9	<0.01	0.06	0.007	1.30	0.16	9.87	0.08	<0.002	0.04	0.043	59.7	13.7	0.09	0.011	1.43	0.013	0.005	0.054
72	11	12	ABAC 72012	40.2	28.4	0.01	0.05	0.005	1.34	0.12	10.84	0.06	0.002	0.04	0.052	56.4	10.4	0.10	0.012	1.63	0.019	0.004	0.052
72	12	13	ABAC 72013	47.3	29.0	<0.01	0.05	0.007	0.98	0.14	11.00	0.06	0.002	0.05	0.062	55.7	9.7	0.20	0.016	1.74	0.018	0.005	0.052
72	12	13	Dup 72013.1	46.6	29.8	0.01	0.05	0.008	0.99	0.14	11.44	0.05	0.002	0.05	0.068	54.5	8.5	0.21	0.018	1.78	0.020	0.004	0.052
72	13	14	ABAC 72014	45.2	28.6	0.01	0.05	0.009	1.35	0.24	11.62	0.05	0.002	0.07	0.130	54.6	8.6	0.69	0.044	1.82	0.022	0.004	0.057
72	14	15	ABAC 72015	42.2	27.1	<0.01	0.05	0.011	1.90	0.16	10.66	0.06	0.003	0.05	0.080	57.5	11.5	0.32	0.024	1.89	0.027	0.005	0.065
72	15	16	ABAC 72016	43.6	26.9	0.01	0.04	0.009	1.49	0.13	10.40	0.05	0.002	0.05	0.068	57.3	11.3	0.24	0.016	2.02	0.024	0.009	0.063
72	16	17	ABAC 72017	42.9	25.7	<0.01	0.04	0.008	0.69	0.17	9.93	0.05	<0.002	0.06	0.064	59.7	13.7	0.37	0.017	2.15	0.020	0.004	0.069
72	17	18	ABAC 72018	45.5	27.8	0.03	0.05	0.014	0.77	0.78	12.63	0.11	0.004	0.21	0.140	54.6	8.6	2.30	0.040	1.67	0.018	0.012	0.051
72	18	19	ABAC 72019	50.5	30.6	0.02	0.05	0.010	0.62	0.79	12.11	0.14	0.003	0.12	0.088	53.4	7.4	1.16	0.023	1.08	0.015	0.007	0.032
72	19	20	ABAC 72020	49.1	30.8	0.02	0.04	0.007	0.64	0.78	11.81	0.15	<0.002	0.11	0.081	53.8	7.8	1.03	0.022	1.09	0.016	0.003	0.033
72	20	21	ABAC 72021	45.5	31.1	0.02	0.04	0.007	0.63	1.18	15.28	0.12	0.003	0.38	0.140	49.5	3.5	4.04	0.037	0.95	0.015	0.002	0.027

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
72	21	22	ABAC 72022	42.9	28.1	0.02	0.04	0.006	0.75	0.83	10.39	0.17	0.004	0.08	0.056	57.5	11.5	0.61	0.013	1.12	0.017	0.017	0.034
72	22	23	ABAC 72023	63.9	26.3	0.02	0.04	0.005	0.80	1.03	9.20	0.23	0.004	0.06	0.040	60.2	14.2	0.23	0.008	1.19	0.013	0.005	0.046
72	23	24	ABAC 72024	57.7	25.2	0.03	0.05	0.006	0.81	1.08	8.68	0.26	0.003	0.06	0.039	61.9	15.9	0.13	0.009	1.22	0.017	0.004	0.064
72	24	25	ABAC 72025	62.0	25.1	0.03	0.05	0.007	0.83	1.18	10.46	0.22	0.004	0.24	0.063	59.7	13.7	1.83	0.017	1.03	0.014	0.009	0.041
72	25	26	ABAC 72026	63.6	27.7	0.03	0.04	0.007	0.74	1.44	14.24	0.21	0.004	0.58	0.09	52.9	6.9	4.65	0.034	0.97	0.014	0.004	0.037
72	26	27	ABAC 72027	67.8	26.1	0.03	0.05	0.008	0.72	1.41	12.38	0.22	0.003	0.43	0.093	56.6	10.6	3.32	0.028	1.01	0.015	0.003	0.037
72	27	28	ABAC 72028	50.5	27.7	0.03	0.05	0.008	0.75	1.52	12.32	0.24	0.003	0.31	0.15	54.7	8.7	2.83	0.033	1.04	0.018	0.01	0.034
72	28	29	ABAC 72029	42.7	28.3	0.03	0.05	0.007	0.72	1.57	12.18	0.25	0.004	0.24	0.092	54.8	8.8	2.54	0.029	0.95	0.016	0.007	0.028
72	29	30	ABAC 72030	41.2	28.2	0.02	0.05	0.007	0.71	1.37	10.13	0.28	0.006	0.07	0.052	57.8	11.8	0.6	0.013	0.9	0.015	0.006	0.027
72	30	31	ABAC 72031	41.0	28.6	0.03	0.04	0.006	0.71	1.43	10.5	0.26	0.003	0.08	0.062	56.4	10.4	0.88	0.017	0.95	0.016	0.004	0.028
72	31	32	ABAC 72032	39.3	28.5	0.02	0.05	0.008	0.76	1.44	10.32	0.27	0.003	0.07	0.059	56.7	10.7	0.66	0.016	1	0.016	0.003	0.032
72	32	33	ABAC 72033	39.0	28.6	0.03	0.05	0.006	0.78	1.46	10.14	0.29	0.004	0.05	0.055	56.7	10.7	0.45	0.012	1.08	0.018	0.003	0.031
72	33	34	ABAC 72034	39.2	28.6	0.03	0.06	0.009	0.84	1.44	9.98	0.3	0.004	0.05	0.048	56.9	10.9	0.33	0.01	1.16	0.019	0.005	0.034
72	34	35	ABAC 72035	40.2	28.9	0.03	0.05	0.008	0.77	1.37	9.99	0.28	0.003	0.04	0.052	57.1	11.1	0.27	0.012	1.04	0.017	0.003	0.03
72	35	36	ABAC 72036	38.9	28.6	0.03	0.05	0.008	0.92	1.35	9.92	0.27	0.005	0.04	0.047	57.3	11.3	0.26	0.01	1.06	0.02	0.002	0.029
72	36	37	ABAC 72037	37.7	28.2	0.02	0.05	0.008	1.01	1.3	9.67	0.28	0.005	0.03	0.042	57.7	11.7	0.11	0.008	1.11	0.019	0.004	0.03
72	37	38	ABAC 72038	36.7	28.2	0.02	0.05	0.008	1.05	1.4	9.7	0.29	0.005	0.04	0.044	57.3	11.3	0.098	0.008	1.06	0.02	0.006	0.029
72	38	39	ABAC 72039	38.8	28.1	0.01	0.05	0.007	1.04	1.39	9.47	0.3	0.004	0.03	0.041	57.9	11.9	0.055	0.008	1.08	0.02	0.003	0.032
72	39	40	ABAC 72040	43.8	28.8	0.01	0.05	0.008	0.95	1.32	9.81	0.28	0.004	0.03	0.047	57	11.0	0.061	0.008	0.94	0.023	0.003	0.029
72	40	41	ABAC 72041	38.5	27.6	0.02	0.05	0.008	0.94	1.35	9.29	0.29	0.005	0.04	0.048	59.1	13.1	0.048	0.009	1.1	0.021	0.002	0.032
72	41	42	ABAC 72042	39.9	27.5	0.02	0.05	0.007	0.99	1.36	9.31	0.3	0.005	0.04	0.045	58.5	12.5	0.042	0.008	1.06	0.022	0.002	0.031
72	42	43	ABAC 72043	41.5	28.2	0.02	0.05	0.011	0.91	1.34	9.53	0.29	0.004	0.04	0.036	57.8	11.8	0.027	0.005	0.91	0.023	0.006	0.027
72	43	44	ABAC 72044	42.0	28	0.01	0.05	0.007	0.91	1.31	9.57	0.27	0.003	0.03	0.034	57.6	11.6	0.025	0.004	0.91	0.023	0.003	0.028
72	44	45	ABAC 72045	44.5	28.9	0.02	0.06	0.008	1.16	1.32	9.76	0.29	0.004	0.04	0.035	57.1	11.1	0.017	0.005	0.84	0.028	0.003	0.029
72	45	46	ABAC 72046	42.3	28.2	0.01	0.05	0.01	1.02	1.29	9.62	0.27	0.003	0.03	0.04	57.2	11.2	0.02	0.005	0.85	0.025	0.002	0.032
72	46	47	ABAC 72047	37.7	28.3	0.02	0.05	0.01	1.56	1.12	9.66	0.23	0.003	0.03	0.044	57.6	11.6	0.032	0.005	0.85	0.032	0.003	0.031
72	47	48	ABAC 72048	28.9	28	0.01	0.05	0.009	1.67	1.03	9.77	0.21	0.004	0.03	0.044	57.5	11.5	0.033	0.007	0.83	0.025	0.003	0.023
72			Std 72043.9		23.2	<0.01	0.67	0.014	2.44	0.61	0.71	0.78	0.19	0.95	0.044	63.9	17.9	0.043	0.002	0.056	0.003	0.007	0.002
73	0	1	ABAC 73001	55.5	23.9	<0.01	0.12	0.022	4.92	0.34	11.17	0.15	0.007	0.05	0.040	56.8	10.8	0.07	0.006	1.68	0.027	0.004	0.042
73	1	2	ABAC 73002	42.5	22.1	0.02	0.07	0.017	3.84	0.46	9.26	0.14	0.004	0.05	0.045	61.6	15.6	0.09	0.010	1.36	0.020	0.004	0.055
73	2	3	ABAC 73003	43.1	21.4	<0.01	0.05	0.013	2.30	0.23	9.04	0.09	0.003	0.05	0.047	65.1	19.1	0.15	0.012	1.40	0.014	0.003	0.055
73	3	4	ABAC 73004	46.3	25.5	0.02	0.03	0.011	1.80	0.25	10.63	0.07	0.002	0.05	0.061	59.0	13.0	0.360	0.018	1.61	0.015	0.009	0.051

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
73	4	5	ABAC 73005	44.2	24.6	0.02	0.04	0.011	1.21	0.25	10.29	0.07	<0.002	0.04	0.058	60.8	14.8	0.34	0.018	1.70	0.013	0.004	0.054
73	5	6	ABAC 73006	41.6	25.8	<0.01	0.03	0.010	1.15	0.23	10.76	0.05	<0.002	0.04	0.059	59.3	13.3	0.38	0.017	1.79	0.013	0.004	0.056
73	6	7	ABAC 73007	48.5	24.4	0.02	0.04	0.013	1.23	0.33	10.15	0.09	<0.002	0.04	0.06	61.2	15.2	0.36	0.015	1.78	0.010	0.012	0.060
73	6	7	Dup 73007.1	50.0	22.9	0.02	0.04	0.013	1.15	0.31	9.62	0.09	0.003	0.05	0.053	63.2	17.2	0.34	0.015	1.70	0.012	0.012	0.062
73	7	8	ABAC 73008	38.2	22.2	0.02	0.03	0.011	1.11	0.28	9.38	0.08	0.003	0.04	0.057	64.2	18.2	0.33	0.015	2.05	0.013	0.011	0.070
73	8	9	ABAC 73009	40.3	24.0	0.03	0.03	0.011	1.20	0.56	10.72	0.11	0.002	0.04	0.095	60.6	14.6	0.60	0.034	1.79	0.016	0.016	0.056
73	9	10	ABAC 73010	47.3	27.4	0.03	0.06	0.016	0.96	0.77	10.77	0.16	0.003	0.03	0.059	57.3	11.3	0.35	0.018	1.30	0.014	0.003	0.039
73	10	11	ABAC 73011	44.6	28.5	0.02	0.02	0.011	0.85	0.91	10.83	0.19	0.003	0.03	0.033	57.0	11.0	0.15	0.007	1.16	0.019	0.003	0.032
73	11	12	ABAC 73012	53.8	26.4	0.04	0.04	0.017	1.69	1.46	11.27	0.25	0.004	0.08	0.110	56.4	10.4	1.49	0.044	1.24	0.023	0.002	0.038
73	12	13	ABAC 73013	78.7	24.3	0.05	0.06	0.008	2.88	1.53	10.14	0.30	0.006	0.08	0.100	59.0	13.0	1.27	0.045	1.08	0.025	0.003	0.038
73	13	14	ABAC 73014	79.4	23.7	0.05	0.09	0.010	2.91	1.59	10.21	0.34	0.006	0.09	0.110	59.4	13.4	1.37	0.037	1.01	0.020	0.066	0.035
73	14	15	ABAC 73015	80.0	24.1	0.07	0.10	0.013	2.71	2.43	13.71	0.38	0.005	0.23	0.110	54.1	8.1	4.84	0.047	0.89	0.020	0.009	0.029
73	15	16	ABAC 73016	81.8	24.0	0.07	0.14	0.015	2.15	2.73	14.13	0.52	0.005	0.19	0.085	53.4	7.4	5.45	0.031	0.90	0.019	0.010	0.031
73	16	17	ABAC 73017	71.4	22.1	0.05	0.18	0.013	6.37	1.97	9.63	0.66	0.012	0.32	0.180	56.0	10.0	1.38	0.015	0.91	0.021	0.012	0.032
73	17	18	ABAC 73018	66.1	23.9	0.04	0.17	0.012	3.88	1.90	9.17	0.69	0.008	0.36	0.120	57.1	11.1	0.50	0.006	0.91	0.019	0.010	0.032
73	18	19	ABAC 73019	54.7	21.2	0.04	0.19	0.013	7.66	1.81	7.49	0.60	0.009	0.35	0.120	58.2	12.2	0.23	0.006	0.87	0.018	0.015	0.039
73	19	20	ABAC 73020	66.1	20.7	0.03	0.21	0.019	7.57	1.85	7.95	0.67	0.008	0.15	0.160	58.1	12.1	0.05	0.005	0.95	0.018	0.014	0.048
73	20	21	ABAC 73021	75.1	20.6	0.03	0.20	0.013	5.56	1.90	7.60	0.64	0.007	0.15	0.057	60.5	14.5	0.05	0.005	0.98	0.016	0.047	0.044
73	21	22	ABAC 73022	78.7	20.1	0.04	0.18	0.008	2.83	1.99	7.27	0.64	0.006	0.35	0.045	63.7	17.7	0.07	0.005	0.93	0.015	0.120	0.037
73	22	23	ABAC 73023	88.9	20.4	0.04	0.23	0.009	5.55	2.20	7.69	0.76	0.008	0.25	0.100	59.9	13.9	0.08	0.005	0.88	0.016	0.059	0.030
73	23	24	ABAC 73024	81.3	19.4	0.03	0.24	0.009	5.23	2.25	7.12	0.87	0.008	0.36	0.180	61.4	15.4	0.06	0.006	0.85	0.017	0.081	0.031
73	24	25	ABAC 73025	64.7	19.2	0.03	0.21	0.007	6.05	2.24	7.17	0.84	0.011	0.29	0.072	61	15.0	0.046	0.006	0.84	0.018	0.1	0.035
73	25	26	ABAC 73026	70.1	19.5	0.04	0.26	0.008	5.21	2.46	6.66	1.06	0.013	0.44	0.13	61.8	15.8	0.058	0.007	0.84	0.016	0.083	0.035
73	26	27	ABAC 73027	60.6	19.8	0.05	0.23	0.008	6.67	2.48	7.39	1	0.019	0.4	0.14	59.3	13.3	0.06	0.007	0.85	0.015	0.11	0.033
73	27	28	ABAC 73028	44.2	20	0.06	0.23	0.007	6.45	2.62	7.39	0.86	0.025	0.5	0.07	59	13.0	0.065	0.006	0.8	0.017	0.12	0.03
73	28	29	ABAC 73029	36.2	20.4	0.05	0.22	0.007	5.54	2.56	7.75	0.8	0.01	0.49	0.07	59.1	13.1	0.075	0.006	0.82	0.014	0.13	0.034
73	29	30	ABAC 73030	61.3	20	0.04	0.26	0.007	4.67	2.69	6.95	1.07	0.013	0.45	0.072	60.4	14.4	0.056	0.007	0.86	0.016	0.093	0.035
73	30	31	ABAC 73031	52.7	19.4	0.05	0.22	0.008	5.31	2.66	6.9	1.06	0.015	0.42	0.093	60.7	14.7	0.054	0.008	0.83	0.018	0.083	0.033
73	31	32	ABAC 73032	52.2	18.6	0.04	0.22	0.005	5.63	2.69	6.52	1.09	0.014	0.19	0.072	61.7	15.7	0.039	0.006	0.84	0.018	0.067	0.034
73	32	33	ABAC 73033	34.9	18.6	0.05	0.26	0.008	7.99	2.6	6.52	1.1	0.025	0.25	0.098	60	14.0	0.033	0.007	0.76	0.015	0.13	0.034
73	33	34	ABAC 73034	33.7	19.6	0.05	0.22	0.006	6.12	2.7	6.55	1.08	0.024	0.22	0.07	60.7	14.7	0.017	0.007	0.83	0.016	0.082	0.032
73	34	35	ABAC 73035	31.7	19.1	0.04	0.23	0.007	5.99	2.71	6.42	1.08	0.016	0.21	0.062	61.1	15.1	0.015	0.006	0.81	0.015	0.089	0.031
73	35	36	ABAC 73036	45.7	19.4	0.06	0.22	0.006	3.4	2.77	6.79	1.08	0.011	0.21	0.044	62.9	16.9	0.048	0.007	0.86	0.018	0.084	0.031

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
73	36	37	ABAC 73037	46.9	20.4	0.1	0.22	0.008	3.93	2.74	6.74	0.87	0.01	0.27	0.062	61.8	15.8	0.062	0.007	0.89	0.015	0.054	0.035
73	37	38	ABAC 73038	49.9	19.7	0.06	0.2	0.009	6.56	2.73	6.83	0.74	0.012	0.29	0.063	60.5	14.5	0.039	0.007	0.99	0.016	0.05	0.039
73	38	39	ABAC 73039	46.0	20.4	0.19	0.2	0.01	3.17	2.84	6.65	0.74	0.009	0.28	0.038	62.8	16.8	0.11	0.008	0.94	0.019	0.076	0.035
73	39	40	ABAC 73040	32.2	22.8	0.08	0.19	0.007	2.7	3.08	7.22	0.64	0.008	0.25	0.036	60	14.0	0.021	0.007	0.95	0.016	0.088	0.029
73	40	41	ABAC 73041	41.4	22.8	0.09	0.16	0.008	3.94	3.35	7.31	0.68	0.021	0.24	0.041	59	13.0	0.036	0.006	0.83	0.017	0.051	0.027
73	41	42	ABAC 73042	44.6	24.6	0.09	0.16	0.008	2.31	3.22	7.96	0.64	0.007	0.25	0.049	58.4	12.4	0.048	0.006	0.96	0.021	0.049	0.033
73	42	43	ABAC 73043	41.1	26.2	0.1	0.1	0.006	1.26	2.88	8.2	0.44	0.005	0.09	0.04	58.5	12.5	0.032	0.006	0.95	0.019	0.037	0.034
73	43	44	ABAC 73044	36.9	24.9	0.08	0.07	0.008	1.17	2.47	7.94	0.34	0.005	0.08	0.036	60.9	14.9	0.029	0.006	0.83	0.022	0.035	0.027
73	44	45	ABAC 73045	27.4	24.6	0.04	0.07	0.008	1.16	2.17	8.16	0.31	0.005	0.07	0.036	61.1	15.1	0.13	0.007	0.99	0.023	0.056	0.029
73	45	46	ABAC 73046	24.5	25.6	0.02	0.06	0.01	1.33	1.71	8.58	0.27	0.005	0.06	0.039	60.4	14.4	0.066	0.006	0.83	0.029	0.047	0.025
73	46	47	ABAC 73047	31.0	25.5	0.02	0.13	0.021	2.37	1.74	8.6	0.49	0.007	0.05	0.064	58.9	12.9	0.056	0.008	1.05	0.034	0.055	0.037
73			Std 73047.9		23.1	<0.01	0.65	0.015	2.44	0.59	0.7	0.78	0.19	0.95	0.04	63.4	17.4	0.043	0.002	0.052	0.003	0.007	0.004
73	47	48	ABAC 73048	16.1	21.2	0.02	0.1	0.016	2.5	0.85	7.72	0.29	0.014	0.03	0.037	65.2	19.2	0.049	0.003	0.69	0.021	0.18	0.021
74	0	1	ABAC 74001	53.3	28.1	0.02	0.15	0.012	1.75	0.19	12.43	0.13	0.003	0.22	0.460	54.6	8.6	0.11	0.024	1.33	0.016	0.052	0.041
74	1	2	ABAC 74002	54.9	27.5	0.03	0.10	0.010	1.38	0.15	10.81	0.07	0.007	0.21	0.360	57.1	11.1	0.14	0.037	1.46	0.020	0.014	0.046
74	2	3	ABAC 74003	40.3	27.9	0.07	0.13	0.014	0.79	0.22	10.78	0.08	0.003	0.18	0.410	57.5	11.5	0.26	0.071	1.46	0.014	0.009	0.050
74	3	4	ABAC 74004	35.6	24.4	0.08	0.18	0.009	1.28	0.63	9.32	0.19	0.004	0.20	0.390	61.4	15.4	0.170	0.028	1.21	0.013	0.023	0.040
74	4	5	ABAC 74005	38.0	25.2	0.04	0.13	0.010	0.72	0.66	9.36	0.18	0.003	0.16	0.270	61.6	15.6	0.17	0.026	1.25	0.011	0.008	0.039
74	5	6	ABAC 74006	52.3	24.3	0.07	0.14	0.013	0.72	1.09	10.10	0.20	0.032	0.25	0.410	60.6	14.6	1.26	0.120	1.07	0.016	0.002	0.032
74	6	7	ABAC 74007	41.3	26.4	0.05	0.13	0.009	0.78	1.01	10.52	0.20	0.008	0.24	0.42	58.3	12.3	0.83	0.084	1.03	0.015	0.020	0.029
74	7	8	ABAC 74008	41.4	28.6	0.04	0.06	0.010	1.05	1.00	11.09	0.18	0.004	0.23	0.380	55.3	9.3	0.69	0.087	0.91	0.021	0.003	0.026
74	8	9	ABAC 74009	35.6	27.6	0.03	0.10	0.009	0.96	0.98	10.20	0.20	0.005	0.16	0.290	58.3	12.3	0.36	0.026	0.95	0.015	0.003	0.029
74	9	10	ABAC 74010	37.1	27.5	0.02	0.12	0.007	0.84	1.01	9.96	0.22	0.004	0.14	0.260	58.3	12.3	0.20	0.014	0.87	0.016	0.006	0.024
74	10	11	ABAC 74011	34.9	28.2	0.04	0.05	0.011	0.79	1.18	11.64	0.18	0.004	0.20	0.250	56.2	10.2	1.28	0.027	0.78	0.020	0.002	0.024
74	11	12	ABAC 74012	35.5	29.2	0.06	0.12	0.011	0.89	1.71	14.59	0.16	0.004	0.18	0.410	51.1	5.1	3.58	0.076	0.74	0.017	0.004	0.018
74	12	13	ABAC 74013	38.8	28.5	0.15	0.13	0.012	1.02	2.66	17.97	0.18	0.007	0.20	0.510	47.0	1.0	7.20	0.110	0.69	0.013	0.01	0.016
74	13	14	ABAC 74014	38.9	27.6	0.04	0.09	0.009	2.35	1.21	10.44	0.24	0.004	0.16	0.240	56.3	10.3	0.49	0.013	0.93	0.016	0.002	0.029
74	14	15	ABAC 74015	67.4	26.0	0.02	0.11	0.008	2.46	1.44	9.18	0.37	0.005	0.16	0.220	57.8	11.8	0.08	0.007	1.15	0.021	0.003	0.036
74	14	15	Dup 74015.1	65.7	27	0.02	0.12	0.017	2.6	1.47	9.48	0.37	0.007	0.15	0.24	56.7	10.7	0.089	0.007	1.14	0.022	0.003	0.037
74	15	16	ABAC 74016	76.0	22.5	0.02	0.12	0.009	7.51	1.32	8.68	0.34	0.01	0.22	0.330	56.9	10.9	0.07	0.006	0.97	0.022	0.008	0.034
74	16	17	ABAC 74017	75.1	24.2	0.02	0.15	0.012	4.90	1.48	8.87	0.41	0.005	0.20	0.300	57.7	11.7	0.05	0.005	0.96	0.020	0.005	0.031
74	17	18	ABAC 74018	74.4	24.7	0.02	0.16	0.008	2.32	1.66	8.97	0.47	0.005	0.36	0.340	59.0	13.0	0.06	0.006	0.96	0.019	0.009	0.032

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
74	18	19	ABAC 74019	59.8	26.7	0.02	0.12	0.014	3.03	1.76	9.74	0.46	0.01	0.33	0.390	56.1	10.1	0.06	0.005	0.87	0.018	0.010	0.029
74	19	20	ABAC 74020	40.6	26.3	0.05	0.08	0.008	2.53	2.24	9.64	0.35	0.007	0.38	0.340	55.9	9.9	0.04	0.005	0.73	0.017	0.004	0.022
74	20	21	ABAC 74021	31.8	25.1	0.07	0.05	0.008	1.59	2.62	9.00	0.30	0.006	0.47	0.430	58.5	12.5	0.04	0.005	0.77	0.017	0.007	0.021
74	21	22	ABAC 74022	26.2	24.7	0.09	0.10	0.009	2.14	2.80	8.57	0.30	0.007	0.37	0.300	58.9	12.9	0.05	0.006	0.78	0.016	0.007	0.025
74	22	23	ABAC 74023	43.5	23.9	0.07	0.14	0.005	3.52	2.64	8.41	0.45	0.009	0.50	0.340	58.8	12.8	0.08	0.005	0.74	0.017	0.007	0.024
74	23	24	ABAC 74024	54.3	21.0	0.05	0.21	0.006	9.67	2.45	8.41	0.57	0.01	0.53	0.350	55.0	9.0	0.08	0.006	0.84	0.016	0.011	0.035
74	24	25	ABAC 74025	69.0	20.4	0.03	0.20	0.007	8.16	2.20	7.85	0.67	0.009	0.50	0.250	57.5	11.5	0.07	0.006	0.92	0.019	0.021	0.041
74	25	26	ABAC 74026	68.4	21.2	0.04	0.24	0.01	3.9	2.18	7.33	0.79	0.01	0.43	0.15	60.9	14.9	0.053	0.007	0.92	0.018	0.01	0.044
74	26	27	ABAC 74027	76.3	19.9	0.05	0.2	0.008	4.49	2.31	7.42	0.73	0.01	0.7	0.32	61.6	15.6	0.081	0.007	0.91	0.017	0.012	0.035
74			Std 74027.9		23.3	<0.01	0.66	0.017	2.45	0.6	0.68	0.79	0.19	0.94	0.039	63.7	17.7	0.042	0.002	0.055	0.005	0.007	0.004
74	27	28	ABAC 74028	71.1	19.3	0.04	0.29	0.007	5.93	2.34	7.32	0.82	0.011	0.65	0.48	60.2	14.2	0.071	0.008	0.83	0.017	0.022	0.037
74	28	29	ABAC 74029	80.1	19.3	0.03	0.26	0.008	5.45	2.55	7.32	1.05	0.016	0.79	0.43	60.8	14.8	0.12	0.009	0.86	0.02	0.026	0.031
74	29	30	ABAC 74030	63.3	19.8	0.04	0.2	0.008	2.91	2.67	7.46	1.1	0.015	0.49	0.3	63	17.0	0.071	0.009	0.92	0.018	0.022	0.034
74	30	31	ABAC 74031	57.0	19.1	0.04	0.21	0.009	4.42	2.49	7.46	1.05	0.029	0.67	0.49	61.6	15.6	0.061	0.008	0.76	0.016	0.03	0.029
74	31	32	ABAC 74032	57.3	19.3	0.05	0.19	0.006	3.28	2.78	7.37	1.12	0.038	0.56	0.36	62.8	16.8	0.14	0.009	0.86	0.017	0.032	0.031
74	32	33	ABAC 74033	72.9	17.9	0.04	0.18	0.006	3.49	2.96	7.65	1.09	0.082	0.51	0.4	63.3	17.3	0.16	0.009	0.84	0.016	0.031	0.03
75	0	1	ABAC 75001	45.4	32.3	<0.01	0.09	0.008	1.07	0.46	12.45	0.17	0.004	0.04	0.040	51.7	5.7	0.04	0.010	1.03	0.018	0.007	0.031
75	1	2	ABAC 75002	32.0	30.5	0.02	0.06	0.009	0.87	0.72	10.73	0.18	0.005	0.04	0.031	55.3	9.3	0.05	0.010	1.02	0.018	0.006	0.033
75	1	2	Dup 75002.1	31.2	31.3	0.02	0.06	0.010	0.88	0.74	11.14	0.18	0.005	0.05	0.030	54.0	8.0	0.05	0.010	0.99	0.018	0.006	0.032
75	2	3	ABAC 75003	32.7	30.9	0.02	0.06	0.010	0.87	0.79	10.87	0.20	0.003	0.04	0.035	54.6	8.6	0.058	0.011	0.96	0.019	0.009	0.029
75	3	4	ABAC 75004	32.8	30.7	0.04	0.05	0.008	1.00	0.80	10.83	0.18	0.002	0.05	0.035	54.8	8.8	0.08	0.010	0.92	0.020	0.005	0.027
75	4	5	ABAC 75005	34.8	30.8	0.02	0.06	0.008	0.84	0.85	10.93	0.20	0.004	0.05	0.026	54.5	8.5	0.05	0.006	0.98	0.019	0.004	0.030
75	5	6	ABAC 75006	32.3	32.1	0.02	0.05	0.007	0.91	0.80	11.38	0.17	0.003	0.04	0.05	53.4	7.4	0.22	0.018	0.72	0.022	0.003	0.021
75	6	7	ABAC 75007	43.0	27.7	0.03	0.06	0.008	1.04	1.07	10.28	0.21	0.003	0.06	0.086	57.6	11.6	0.70	0.032	0.92	0.017	0.004	0.035
75	7	8	ABAC 75008	55.4	27.7	0.01	0.05	0.007	0.82	1.14	9.78	0.23	0.003	0.05	0.043	58.0	12.0	0.32	0.012	0.94	0.018	0.003	0.030
75	8	9	ABAC 75009	56.1	27.6	0.02	0.06	0.010	0.82	1.18	9.65	0.26	0.005	0.06	0.050	58.7	12.7	0.23	0.013	1.05	0.020	0.005	0.037
75	9	10	ABAC 75010	57.7	27.0	0.02	0.06	0.008	0.80	1.23	9.19	0.27	0.004	0.05	0.043	60.0	14.0	0.15	0.009	1.08	0.019	0.005	0.036
75	10	11	ABAC 75011	70.0	25.5	0.04	0.05	0.009	0.86	1.20	8.98	0.26	0.004	0.05	0.043	61.5	15.5	0.19	0.008	1.02	0.018	0.004	0.035
75	11	12	ABAC 75012	44.2	27.6	0.03	0.04	0.008	0.92	1.27	10.05	0.26	0.005	0.04	0.048	58.3	12.3	0.31	0.010	1.01	0.020	0.008	0.032
75	12	13	ABAC 75013	39.2	29.1	0.02	0.05	0.010	0.88	1.12	9.93	0.24	0.004	0.04	0.037	57.5	11.5	0.08	0.006	0.90	0.021	0.006	0.029
75	13	14	ABAC 75014	37.2	30.5	0.01	0.05	0.008	1.02	1.30	10.18	0.27	0.005	0.04	0.033	55.1	9.1	0.02	0.004	1.00	0.022	0.004	0.032
75	14	15	ABAC 75015	39.2	29.6	0.01	0.05	0.007	0.92	1.14	10.03	0.23	0.004	0.04	0.030	56.5	10.5	0.02	0.004	0.85	0.020	0.005	0.026

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
75	15	16	ABAC 75016	30.2	30.2	0.02	0.05	0.006	1.08	1.17	10.20	0.25	0.005	0.04	0.029	55.6	9.6	0.02	0.003	1.05	0.023	0.006	0.028
75	16	17	ABAC 75017	35.3	29.6	0.02	0.05	0.007	1.21	1.19	10.09	0.24	0.003	0.03	0.030	56.0	10.0	0.05	0.004	0.85	0.022	0.005	0.024
75	17	18	ABAC 75018	33.7	29.9	0.02	0.06	0.007	1.19	1.27	10.16	0.27	0.005	0.04	0.028	55.5	9.5	0.03	0.004	0.87	0.020	0.005	0.024
75			Std 75018.9		23.2	<0.01	0.65	0.014	2.45	0.6	0.83	0.78	0.19	0.94	0.04	63.5	17.5	0.042	0.002	0.055	0.005	0.007	0.002
75	18	19	ABAC 75019	32.8	28.7	0.03	0.06	0.006	1.43	1.38	9.77	0.28	0.005	0.04	0.027	56.7	10.7	0.03	0.004	0.83	0.021	0.009	0.025
75	19	20	ABAC 75020	48.1	22.3	0.04	0.06	0.010	9.37	1.64	8.82	0.30	0.013	0.11	0.073	55.5	9.5	0.07	0.004	0.91	0.027	0.010	0.049
75	20	21	ABAC 75021	76.5	23.3	0.02	0.10	0.011	4.57	1.66	8.09	0.41	0.005	0.06	0.061	59.5	13.5	0.03	0.005	1.05	0.022	0.007	0.036
75	21	22	ABAC 75022	75.4	22.2	0.03	0.11	0.006	2.26	1.70	7.43	0.40	0.005	0.07	0.052	63.0	17.0	0.02	0.005	0.94	0.019	0.006	0.041
75	22	23	ABAC 75023	66.9	24.2	0.02	0.12	0.010	2.64	1.96	8.35	0.52	0.008	0.08	0.058	59.7	13.7	0.03	0.005	1.01	0.018	0.008	0.034
75	23	24	ABAC 75024	53.7	23.4	0.04	0.09	0.007	2.58	2.28	7.98	0.45	0.007	0.10	0.064	60.2	14.2	0.05	0.006	1.02	0.021	0.010	0.052
75	24	25	ABAC 75025	24.7	27.8	0.06	0.09	0.007	1.21	2.58	8.78	0.38	0.007	0.07	0.038	57.9	11.9	0.014	0.006	0.9	0.018	0.011	0.025
75	25	26	ABAC 75026	26.3	24.2	0.06	0.07	0.009	1.03	2.83	7.46	0.28	0.005	0.09	0.035	62.4	16.4	0.018	0.007	0.89	0.017	0.009	0.033
75	26	27	ABAC 75027	27.2	26.6	0.06	0.05	0.007	1.03	2.72	8.89	0.29	0.005	0.07	0.035	58.3	12.3	0.035	0.006	0.82	0.017	0.012	0.023
75	27	28	ABAC 75028	30.5	26.7	0.08	0.09	0.008	1.08	2.92	8.24	0.34	0.005	0.08	0.032	58.8	12.8	0.012	0.006	0.82	0.017	0.013	0.024
75	28	29	ABAC 75029	27.3	24.2	0.09	0.08	0.007	1.2	3.16	7.37	0.33	0.007	0.08	0.029	61.6	15.6	0.014	0.006	0.9	0.016	0.008	0.036
75	29	30	ABAC 75030	32.8	27.3	0.08	0.1	0.009	1.8	2.96	9.04	0.41	0.006	0.13	0.03	56.8	10.8	0.038	0.006	0.79	0.018	0.01	0.024
75	30	31	ABAC 75031	58.7	21.5	0.06	0.11	0.01	5.73	2.59	7.29	0.45	0.01	0.1	0.053	60.2	14.2	0.023	0.006	0.98	0.022	0.011	0.04
75	31	32	ABAC 75032	77.5	22.5	0.05	0.14	0.009	3.53	2.43	7.58	0.58	0.008	0.12	0.051	61.2	15.2	0.025	0.006	1.08	0.019	0.007	0.042
75	32	33	ABAC 75033	48.7	18.2	0.09	0.11	0.006	3.73	3.12	5.86	0.39	0.008	0.13	0.043	66.8	20.8	0.039	0.006	0.9	0.017	0.027	0.072
75	33	34	ABAC 75034	61.2	18.9	0.05	0.17	0.008	3.78	2.74	6.37	0.61	0.009	0.23	0.049	65	19.0	0.031	0.007	0.96	0.017	0.016	0.057
75	34	35	ABAC 75035	48.5	19.9	0.04	0.23	0.008	3.68	2.68	7.25	0.93	0.013	0.17	0.053	62.6	16.6	0.028	0.007	0.91	0.016	0.018	0.041
75	35	36	ABAC 75036	34.7	17.8	0.09	0.22	0.006	2.53	2.61	6.77	1.02	0.016	0.26	0.044	65.9	19.9	0.14	0.007	0.85	0.014	0.017	0.062
76	0	1	ABAC 76001	33.8	24.1	0.03	0.25	0.009	1.23	0.89	18.06	0.28	<0.002	0.14	0.420	52.4	6.4	0.57	0.017	0.99	0.015	0.013	0.037
76	1	2	ABAC 76002	68.6	25.4	0.04	0.11	0.009	1.14	0.97	10.16	0.26	0.005	0.08	0.200	60.3	14.3	0.44	0.013	0.96	0.016	0.077	0.055
76	2	3	ABAC 76003	68.8	27.1	0.03	0.09	0.008	1.41	1.19	10.29	0.31	0.004	0.07	0.190	57.4	11.4	0.21	0.009	1.03	0.022	0.12	0.036
76	3	4	ABAC 76004	82.7	23.1	0.03	0.12	0.009	2.70	1.24	8.80	0.35	0.005	0.21	0.230	61.8	15.8	0.091	0.006	0.99	0.025	0.014	0.042
76	4	5	ABAC 76005	61.6	24.9	0.03	0.13	0.015	2.42	1.52	8.88	0.41	0.006	0.20	0.130	60.1	14.1	0.06	0.005	0.98	0.021	0.013	0.032
76	5	6	ABAC 76006	49.6	24.6	0.04	0.08	0.009	1.44	1.85	8.47	0.34	0.005	0.07	0.110	61.5	15.5	0.03	0.005	0.97	0.019	0.013	0.056
76	6	7	ABAC 76007	38.0	26.3	0.04	0.08	0.016	1.52	2.19	8.75	0.33	0.005	0.07	0.04	59.3	13.3	0.02	0.006	0.90	0.017	0.018	0.050
76	7	8	ABAC 76008	40.6	28.6	0.04	0.09	0.010	2.00	2.21	9.58	0.37	0.009	0.07	0.043	55.5	9.5	0.02	0.005	0.89	0.023	0.010	0.029
76	8	9	ABAC 76009	56.5	26.1	0.05	0.11	0.010	1.77	2.21	8.81	0.40	0.016	0.09	0.066	58.6	12.6	0.02	0.006	1.02	0.022	0.011	0.055
76	9	10	ABAC 76010	39.7	26.9	0.05	0.16	0.013	1.75	2.35	9.73	0.44	0.008	0.44	0.350	56.0	10.0	0.07	0.006	1.11	0.025	0.011	0.049
76	10	11	ABAC 76011	33.3	26.1	0.06	0.18	0.009	1.22	2.79	9.96	0.38	0.007	0.30	0.590	57.2	11.2	0.06	0.005	0.87	0.019	0.007	0.024

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
76	11	12	ABAC 76012	34.1	22.8	0.07	0.15	0.009	1.14	3.00	8.61	0.34	0.007	0.22	0.420	61.9	15.9	0.07	0.006	0.97	0.017	0.005	0.060
76	12	13	ABAC 76013	65.3	19.5	0.05	0.14	0.011	9.71	2.46	7.61	0.47	0.012	0.33	0.260	57.6	11.6	0.07	0.006	1.03	0.025	0.023	0.058
76			Std 76013.9		23.4	<0.01	0.67	0.015	2.46	0.61	0.67	0.79	0.19	0.95	0.039	64	18.0	0.041	0.003	0.055	0.004	0.007	0.004
76	13	14	ABAC 76014	76.1	23.3	0.05	0.13	0.009	2.28	2.55	8.56	0.71	0.007	0.56	0.320	59.5	13.5	0.07	0.006	1.04	0.020	0.017	0.036
76	14	15	ABAC 76015	77.1	21.0	0.06	0.16	0.008	2.42	2.82	7.23	0.78	0.009	0.52	0.150	62.9	16.9	0.06	0.006	0.98	0.016	0.017	0.044
76	15	16	ABAC 76016	57.4	22.3	0.07	0.17	0.008	5.09	2.93	7.65	0.76	0.01	0.51	0.260	58.4	12.4	0.06	0.006	0.90	0.017	0.03	0.032
76	16	17	ABAC 76017	46.1	22.5	0.10	0.14	0.010	2.01	3.26	7.34	0.57	0.008	0.36	0.150	61.2	15.2	0.06	0.006	0.99	0.017	0.015	0.058
76			Std 76017.1	45.2	22.8	0.09	0.14	0.008	2.05	3.28	7.19	0.56	0.007	0.29	0.110	61.3	15.3	0.05	0.006	1.00	0.016	0.015	0.060
76	17	18	ABAC 76018	33.1	22.3	0.10	0.15	0.008	1.25	3.35	7.12	0.38	0.008	0.38	0.310	62.7	16.7	0.04	0.006	0.87	0.018	0.012	0.041
76	18	19	ABAC 76019	30.2	21.3	0.1	0.13	0.009	1.18	3.41	6.68	0.33	0.009	0.32	0.25	65	19.0	0.04	0.007	0.86	0.014	0.028	0.04
76	19	20	ABAC 76020	33.3	23.9	0.10	0.17	0.008	1.43	3.52	7.53	0.37	0.006	0.12	0.260	61.0	15.0	0.02	0.006	0.75	0.017	0.010	0.027
76	20	21	ABAC 76021	40.2	24.3	0.09	0.13	0.009	3.47	3.18	7.89	0.49	0.016	0.12	0.100	58.4	12.4	0.03	0.006	0.89	0.021	0.012	0.033
76	21	22	ABAC 76022	73.6	22.3	0.05	0.21	0.011	3.81	2.60	7.86	0.74	0.017	0.66	0.180	59.1	13.1	0.08	0.007	0.99	0.019	0.011	0.045
76	22	23	ABAC 76023	72.5	19.9	0.04	0.23	0.008	7.69	2.34	7.54	0.72	0.011	0.53	0.130	58.4	12.4	0.07	0.007	0.94	0.018	0.021	0.042
76	23	24	ABAC 76024	62.9	19.4	0.04	0.21	0.011	1.61	2.59	7.73	0.76	0.009	0.46	0.190	64.2	18.2	0.09	0.007	0.95	0.017	0.020	0.037
76	24	25	ABAC 76025	44.3	18.1	0.05	0.25	0.008	3.75	3.06	6.72	0.67	0.011	0.77	0.240	64.2	18.2	0.09	0.007	0.84	0.014	0.023	0.054
76	25	26	ABAC 76026	39.9	19.6	0.05	0.19	0.006	3.45	2.99	7.17	0.82	0.013	0.33	0.12	62.6	16.6	0.11	0.008	0.97	0.017	0.027	0.045
76	26	27	ABAC 76027	50.1	18.2	0.05	0.17	0.01	2.47	2.76	6.59	0.95	0.018	0.36	0.043	65.6	19.6	0.085	0.008	0.94	0.016	0.037	0.065
77	0	1	ABAC 77001	40.6	23.9	0.01	0.10	0.008	2.34	0.41	9.77	0.13	0.004	0.19	0.240	60.8	14.8	0.10	0.013	1.47	0.015	0.022	0.058
77	1	2	ABAC 77002	41.3	18.3	0.02	0.08	0.007	1.51	0.17	7.32	0.07	0.003	0.12	0.190	70.1	24.1	0.07	0.007	1.45	0.016	0.004	0.120
77	2	3	ABAC 77003	34.1	20.1	0.01	0.11	0.007	1.37	0.23	7.94	0.10	0.003	0.16	0.230	67.2	21.2	0.08	0.008	1.53	0.012	0.006	0.074
77	3	4	ABAC 77004	38.0	15.7	0.04	0.17	0.012	1.15	0.25	6.52	0.10	0.004	0.15	0.360	72.7	26.7	0.110	0.008	2.36	0.018	0.032	0.140
77	4	5	ABAC 77005	32.9	24.3	0.05	0.10	0.010	1.39	0.61	10.39	0.11	0.003	0.14	0.350	58.9	12.9	0.82	0.037	2.21	0.019	0.029	0.067
77	5	6	ABAC 77006	48.0	27.5	0.05	0.06	0.010	1.16	1.05	12.17	0.12	0.003	0.08	0.220	55.6	9.6	1.82	0.051	0.92	0.009	0.019	0.050
77	6	7	ABAC 77007	44.3	30.5	0.03	0.12	0.010	1.36	1.21	12.95	0.18	0.004	0.12	0.35	51.4	5.4	1.39	0.027	0.77	0.016	0.014	0.022
77	7	8	ABAC 77008	57.4	26.1	0.03	0.08	0.008	2.03	1.40	10.88	0.23	0.004	0.16	0.210	57.0	11.0	1.57	0.020	1.06	0.020	0.009	0.058
77	8	9	ABAC 77009	82.5	26.0	0.05	0.07	0.015	1.43	2.69	16.64	0.22	0.003	0.36	0.300	50.4	4.4	7.08	0.047	0.87	0.016	0.007	0.040
77	9	10	ABAC 77010	80.7	25.3	0.06	0.07	0.011	2.27	2.49	14.80	0.27	0.006	0.32	0.240	52.3	6.3	5.66	0.037	0.91	0.018	0.006	0.028
77	10	11	ABAC 77011	88.5	22.4	0.03	0.08	0.013	2.08	1.30	8.13	0.32	0.005	0.15	0.210	63.2	17.2	0.30	0.007	0.97	0.021	0.004	0.038
77	11	12	ABAC 77012	81.3	22.3	0.03	0.09	0.008	1.52	1.38	8.26	0.32	0.004	0.16	0.200	63.9	17.9	0.46	0.008	0.94	0.020	0.008	0.040
77	12	13	ABAC 77013	89.3	22.6	0.04	0.08	0.011	1.63	1.43	8.68	0.31	0.005	0.15	0.170	62.9	16.9	0.78	0.010	0.96	0.018	0.009	0.036
77	13	14	ABAC 77014	67.0	24.2	0.04	0.08	0.010	1.67	1.53	9.29	0.32	0.006	0.15	0.140	60.2	14.2	0.87	0.009	0.94	0.020	0.009	0.041

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
77	14	15	ABAC 77015	43.4	27.2	0.06	0.11	0.010	0.97	1.69	11.47	0.26	0.006	0.17	0.250	56.3	10.3	1.93	0.012	0.83	0.021	0.016	0.035
77	15	16	ABAC 77016	34.4	26.3	0.03	0.12	0.010	0.91	1.27	10.60	0.20	0.006	0.15	0.270	58.7	12.7	1.29	0.014	0.78	0.020	0.014	0.030
77	16	17	ABAC 77017	32.2	25.8	0.03	0.17	0.011	0.81	1.09	10.36	0.20	0.006	0.13	0.370	59.6	13.6	0.88	0.014	0.75	0.017	0.009	0.031
77	17	18	ABAC 77018	26.8	28.1	<0.01	0.13	0.009	0.93	0.96	10.24	0.21	0.005	0.13	0.230	57.4	11.4	0.17	0.006	0.75	0.020	0.016	0.023
77	18	19	ABAC 77019	30.9	25.9	0.02	0.12	0.009	0.79	0.94	9.32	0.21	0.007	0.13	0.200	61.0	15.0	0.12	0.005	0.87	0.019	0.015	0.035
77	19	20	ABAC 77020	30.8	29.0	0.02	0.08	0.011	0.84	1.02	10.38	0.22	0.006	0.09	0.120	56.8	10.8	0.09	0.005	0.87	0.019	0.010	0.025
77	20	21	ABAC 77021	27.8	29.0	0.02	0.18	0.009	1.04	0.92	10.51	0.21	0.005	0.13	0.320	55.9	9.9	0.08	0.004	0.76	0.024	0.013	0.025
77	21	22	ABAC 77022	70.2	24.3	0.03	0.12	0.012	1.45	1.40	8.35	0.33	0.005	0.12	0.180	62.1	16.1	0.08	0.005	1.08	0.021	0.010	0.058
77	21	22	Dup 77022.1	60.5	27.1	0.02	0.11	0.011	1.71	1.52	9.56	0.37	0.006	0.16	0.170	57.3	11.3	0.09	0.005	1.21	0.023	0.015	0.046
77	22	23	ABAC 77023	75.6	20.2	0.03	0.12	0.010	2.15	1.68	7.01	0.38	0.007	0.20	0.190	66.1	20.1	0.05	0.005	1.06	0.017	0.007	0.068
77	23	24	ABAC 77024	56.3	24.9	0.04	0.13	0.010	1.92	1.97	8.56	0.50	0.008	0.21	0.180	59.7	13.7	0.05	0.007	1.07	0.019	0.010	0.039
77	24	25	ABAC 77025	72.1	21.2	0.03	0.15	0.008	5.9	2.01	7.61	0.63	0.01	0.26	0.18	60	14.0	0.067	0.006	0.93	0.017	0.014	0.038
77	25	26	ABAC 77026	82.0	20.2	0.04	0.17	0.008	5.47	2.27	7.04	0.71	0.009	0.29	0.21	61.8	15.8	0.05	0.006	0.86	0.018	0.017	0.033
77			Std 77026.9		23.1	<0.01	0.66	0.015	2.44	0.6	0.69	0.78	0.19	0.96	0.039	63.4	17.4	0.044	0.002	0.054	0.003	0.007	0.003
77	26	27	ABAC 77027	79.1	22	0.04	0.19	0.009	4.33	2.48	7.44	0.88	0.008	0.34	0.2	59.8	13.8	0.057	0.006	0.83	0.021	0.025	0.026
78	0	1	ABAC 78001	57.9	24.9	0.01	0.10	0.014	4.92	0.26	11.10	0.14	0.005	0.05	0.039	55.3	9.3	0.06	0.005	1.82	0.028	0.006	0.037
78	1	2	ABAC 78002	63.5	27.9	0.01	0.10	0.015	4.24	0.24	11.22	0.13	0.004	0.05	0.029	52.9	6.9	0.05	0.005	1.83	0.027	0.009	0.034
78	2	3	ABAC 78003	41.2	28.8	0.01	0.05	0.010	1.95	0.68	10.44	0.16	0.004	0.04	0.045	55.7	9.7	0.08	0.008	1.06	0.025	0.008	0.035
78	3	4	ABAC 78004	40.1	28.7	0.02	0.06	0.009	1.43	0.84	10.24	0.18	0.002	0.05	0.043	56.3	10.3	0.099	0.009	1.00	0.020	0.009	0.031
78	4	5	ABAC 78005	41.1	28.3	0.02	0.06	0.006	1.24	0.85	9.95	0.19	0.004	0.05	0.032	57.2	11.2	0.09	0.005	1.11	0.023	0.004	0.037
78	4	5	Dup 78005.1	40.5	28.4	0.02	0.05	0.008	1.19	0.87	10.07	0.19	0.003	0.04	0.033	56.8	10.8	0.08	0.006	1.09	0.024	0.003	0.035
78	5	6	ABAC 78006	42.5	29.1	0.03	0.05	0.006	1.04	1.27	11.21	0.22	0.004	0.06	0.09	54.5	8.5	1.08	0.022	1.01	0.016	0.004	0.028
78	6	7	ABAC 78007	38.3	29.2	0.02	0.05	0.007	1.22	1.01	10.44	0.21	0.004	0.04	0.033	55.8	9.8	0.27	0.007	1.03	0.015	0.016	0.030
78	7	8	ABAC 78008	40.0	27.6	0.02	0.06	0.009	1.94	1.14	9.97	0.25	0.004	0.05	0.036	56.5	10.5	0.30	0.007	1.07	0.020	0.008	0.035
78	8	9	ABAC 78009	75.5	25.8	0.04	0.05	0.011	3.23	2.93	16.58	0.25	0.015	0.23	0.120	49.2	3.2	7.38	0.041	0.97	0.022	0.005	0.034
78	9	10	ABAC 78010	80.8	24.9	0.03	0.07	0.008	2.27	1.98	11.63	0.31	0.005	0.12	0.078	56.4	10.4	2.98	0.018	1.03	0.019	0.006	0.035
78	10	11	ABAC 78011	78.8	24.4	0.03	0.07	0.008	2.30	1.36	8.48	0.34	0.005	0.06	0.063	60.8	14.8	0.14	0.006	1.06	0.017	0.004	0.037
78	11	12	ABAC 78012	74.8	24.9	0.02	0.07	0.007	1.80	1.37	8.56	0.34	0.004	0.05	0.056	60.7	14.7	0.07	0.006	1.04	0.019	0.004	0.035
78	12	13	ABAC 78013	63.4	25.5	0.02	0.07	0.008	1.53	1.44	8.65	0.35	0.005	0.05	0.045	59.9	13.9	0.11	0.006	1.07	0.021	0.015	0.036
78	13	14	ABAC 78014	46.5	26.2	0.04	0.06	0.012	6.37	1.67	10.87	0.30	0.013	0.05	0.081	52.8	6.8	1.45	0.010	0.99	0.031	0.005	0.034
78	14	15	ABAC 78015	31.8	28.6	0.03	0.04	0.008	1.14	1.33	10.34	0.24	0.005	0.05	0.032	56.2	10.2	0.71	0.005	0.86	0.021	0.005	0.024
78	15	16	ABAC 78016	29.4	29.1	0.03	0.04	0.009	1.26	1.17	10.59	0.23	0.005	0.04	0.032	55.6	9.6	0.46	0.005	0.89	0.018	0.019	0.025

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
78	16	17	ABAC 78017	23.9	28.6	0.02	0.04	0.009	1.62	0.79	10.35	0.15	0.003	0.03	0.033	56.4	10.4	0.22	0.005	0.75	0.017	0.010	0.025
78	17	18	ABAC 78018	24.1	29.2	0.05	0.04	0.011	2.17	0.66	10.52	0.14	0.005	0.03	0.034	55.4	9.4	0.12	0.004	0.72	0.019	0.012	0.021
78	18	19	ABAC 78019	42.5	24.5	0.02	0.06	0.012	6.87	1.18	9.38	0.26	0.025	0.06	0.076	55.6	9.6	0.17	0.006	1.04	0.029	0.013	0.055
78	19	20	ABAC 78020	60.6	21.5	0.02	0.06	0.008	6.19	1.25	8	0.29	0.008	0.04	0.069	60.5	14.5	0.079	0.006	1.01	0.017	0.008	0.046
78	20	21	ABAC 78021	54.0	25.3	0.02	0.07	0.010	2.04	1.40	8.72	0.35	0.006	0.05	0.042	59.9	13.9	0.04	0.005	0.95	0.018	0.006	0.037
78	21	22	ABAC 78022	74.7	22.8	0.03	0.09	0.009	2.51	1.61	7.78	0.42	0.006	0.06	0.051	62.4	16.4	0.04	0.006	0.97	0.020	0.010	0.041
78	22	23	ABAC 78023	61.2	22.7	0.02	0.08	0.005	2.62	1.62	7.83	0.42	0.005	0.06	0.069	61.8	15.8	0.03	0.005	0.86	0.016	0.008	0.038
78	23	24	ABAC 78024	77.4	21.4	0.02	0.12	0.011	4.79	1.88	7.40	0.55	0.007	0.07	0.075	61.7	15.7	0.02	0.006	0.91	0.019	0.015	0.038
78	24	25	ABAC 78025	88.4	20.3	0.03	0.14	0.008	3.49	2.03	6.87	0.65	0.007	0.09	0.049	63.4	17.4	0.03	0.006	0.89	0.018	0.018	0.032
78			Std 78025.9		23.1	<0.01	0.66	0.014	2.44	0.6	0.69	0.77	0.19	0.94	0.038	63.5	17.5	0.045	0.002	0.053	0.002	0.007	0.003
78	25	26	ABAC 78026	83.8	19.0	0.03	0.14	0.006	6.31	2.10	6.75	0.71	0.009	0.10	0.060	62.0	16.0	0.02	0.006	0.84	0.019	0.024	0.033
78	26	27	ABAC 78027	70.3	20.4	0.04	0.2	0.007	3.93	2.28	6.95	0.83	0.007	0.14	0.078	61.9	15.9	0.018	0.007	0.87	0.017	0.025	0.035
79	0	1	ABAC 79001	37.5	28.0	0.01	0.11	0.008	1.13	0.64	12.16	0.17	0.003	0.06	0.041	55.8	9.8	0.17	0.007	1.00	0.017	0.005	0.031
79	1	2	ABAC 79002	45.2	30.7	0.01	0.05	0.006	0.68	0.95	10.90	0.19	0.003	0.04	0.043	54.8	8.8	0.16	0.007	0.89	0.019	0.002	0.030
79	1	2	Dup 79002.1	44.6	30.8	0.02	0.05	0.016	0.68	0.96	10.86	0.19	0.003	0.04	0.041	54.7	8.7	0.16	0.007	0.90	0.021	0.002	0.031
79	2	3	ABAC 79003	33.4	30.4	0.02	0.04	0.006	0.69	0.94	10.58	0.18	0.003	0.04	0.035	55.9	9.9	0.083	0.006	0.95	0.020	0.002	0.027
79	3	4	ABAC 79004	35.9	29.1	0.01	0.04	0.006	0.79	0.94	10.18	0.18	0.004	0.04	0.035	57.1	11.1	0.06	0.005	0.85	0.017	0.006	0.025
79	4	5	ABAC 79005	36.9	29.5	<0.01	0.04	0.006	0.81	0.93	10.25	0.20	0.005	0.03	0.029	57.0	11.0	0.05	0.004	0.85	0.021	0.004	0.026
79	5	6	ABAC 79006	47.1	26.7	0.02	0.05	0.014	5.81	1.12	9.83	0.26	0.008	0.04	0.04	55.1	9.1	0.02	0.004	0.99	0.034	0.011	0.034
79	6	7	ABAC 79007	51.0	28.0	0.02	0.06	0.009	1.93	1.21	9.75	0.28	0.005	0.05	0.034	57.3	11.3	0.02	0.004	1.01	0.018	0.008	0.034
79	7	8	ABAC 79008	55.5	25.2	0.02	0.05	0.009	6.58	1.36	9.63	0.31	0.005	0.05	0.066	55.2	9.2	0.04	0.004	0.99	0.020	0.017	0.036
79	8	9	ABAC 79009	74.1	23.3	0.03	0.13	0.011	2.96	1.63	8.34	0.48	0.006	0.32	0.060	61.3	15.3	0.07	0.005	1.01	0.017	0.015	0.037
79	9	10	ABAC 79010	78.5	22.1	0.02	0.10	0.008	2.51	1.69	7.77	0.49	0.006	0.08	0.076	63.3	17.3	0.03	0.005	0.94	0.017	0.019	0.032
79	10	11	ABAC 79011	73.8	21.0	0.03	0.11	0.007	6.61	1.78	8.00	0.59	0.014	0.10	0.088	59.3	13.3	0.04	0.005	0.91	0.017	0.043	0.034
79	11	12	ABAC 79012	74.2	22.3	0.03	0.15	0.009	3.82	1.90	8.02	0.66	0.009	0.34	0.071	61.1	15.1	0.08	0.005	0.96	0.017	0.03	0.032
79	12	13	ABAC 79013	66.8	24	0.04	0.1	0.008	2.36	1.82	8.52	0.47	0.006	0.08	0.072	60.5	14.5	0.042	0.005	0.99	0.014	0.022	0.036
79	13	14	ABAC 79014	50.4	24.9	0.04	0.05	0.010	3.66	1.77	9.22	0.35	0.008	0.05	0.092	58.0	12.0	0.06	0.005	1.01	0.016	0.018	0.035
79			Std 79014.9		23.2	<0.01	0.66	0.017	2.45	0.6	0.66	0.78	0.19	0.95	0.038	63.7	17.7	0.045	0.002	0.053	<0.001	0.007	0.002
79	14	15	ABAC 79015	42.1	25.9	0.02	0.03	0.007	9.21	1.46	10.51	0.28	0.015	0.03	0.090	51.2	5.2	0.05	0.004	0.78	0.016	0.023	0.025
79	15	16	ABAC 79016	36.8	28.2	0.02	0.02	0.007	3.10	1.32	10.43	0.26	0.01	0.03	0.047	55.2	9.2	0.05	0.003	0.83	0.022	0.01	0.025
79	16	17	ABAC 79017	31.5	28.6	0.01	0.02	0.007	0.86	1.13	10.24	0.22	0.004	0.04	0.030	57.3	11.3	0.04	0.003	0.87	0.019	0.004	0.022
79	17	18	ABAC 79018	35.2	29.7	0.01	0.01	0.006	0.82	1.13	10.52	0.23	0.004	0.03	0.041	56.2	10.2	0.04	0.003	0.80	0.016	0.003	0.022

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
79	18	19	ABAC 79019	28.7	28.5	0.01	0.02	0.007	0.84	1.05	10.18	0.21	0.004	0.03	0.032	58.1	12.1	0.04	0.003	0.84	0.018	0.003	0.025
79	19	20	ABAC 79020	19.6	28.3	0.01	0.02	0.007	0.83	0.69	10.32	0.13	0.006	0.02	0.024	58.5	12.5	0.036	0.003	0.77	0.017	0.004	0.02
79	20	21	ABAC 79021	21.7	26.2	0.01	0.02	0.022	5.88	0.69	10.31	0.14	0.011	0.02	0.061	55.4	9.4	0.05	0.003	0.95	0.036	0.014	0.027
79	21	22	ABAC 79022	63.7	23.7	0.03	0.05	0.010	2.92	1.74	8.50	0.40	0.015	0.06	0.054	60.1	14.1	0.05	0.006	1.10	0.018	0.010	0.042
79	22	23	ABAC 79023	85.9	21.6	0.03	0.08	0.010	2.65	1.86	7.59	0.47	0.006	0.07	0.044	63.8	17.8	0.03	0.005	0.94	0.016	0.010	0.035
79	23	24	ABAC 79024	73.1	21.6	0.03	0.12	0.009	4.23	1.94	8.17	0.55	0.009	0.08	0.049	61.3	15.3	0.05	0.005	0.91	0.017	0.017	0.036
79	24	25	ABAC 79025	80.9	20.6	0.04	0.13	0.009	1.69	2.22	8.63	0.70	0.008	0.10	0.045	63.7	17.7	0.09	0.006	0.93	0.017	0.017	0.035
79	25	26	ABAC 79026	68.6	20.2	0.04	0.19	0.012	2.47	2.62	8.55	1.07	0.013	0.16	0.044	62.4	16.4	0.095	0.007	0.92	0.016	0.03	0.036
79	26	27	ABAC 79027	66.0	19.9	0.05	0.20	0.008	2.60	2.64	8.52	1.17	0.014	0.18	0.039	61.7	15.7	0.09	0.007	0.90	0.017	0.034	0.035
80	1	2	ABAC 80002	42.5	25.4	0.03	0.14	0.013	6.72	0.96	11.72	0.30	0.009	0.10	0.290	52.0	6.0	0.21	0.007	1.00	0.022	0.007	0.042
80	2	3	ABAC 80003	66.7	26.1	0.02	0.08	0.009	3.11	1.39	9.96	0.37	0.004	0.07	0.130	56.4	10.4	0.06	0.005	1.03	0.020	0.005	0.032
80	3	4	ABAC 80004	44.6	26.5	0.02	0.07	0.008	6.35	1.23	10.92	0.29	0.008	0.06	0.250	52.6	6.6	0.072	0.005	0.94	0.019	0.069	0.030
80	4	5	ABAC 80005	38.0	28.4	0.01	0.07	0.006	4.65	1.01	11.20	0.23	0.009	0.06	0.220	52.1	6.1	0.05	0.003	0.77	0.020	0.014	0.027
80	5	6	ABAC 80006	32.1	28.5	0.01	0.08	0.009	1.44	1.18	10.53	0.26	0.005	0.04	0.200	56.5	10.5	0.04	0.004	0.93	0.018	0.012	0.028
80	6	7	ABAC 80007	41.0	29.3	0.02	0.12	0.010	1.70	1.31	11.09	0.31	0.005	0.04	0.32	54.4	8.4	0.05	0.005	0.97	0.021	0.017	0.029
80	7	8	ABAC 80008	34.1	28.9	<0.01	0.10	0.008	1.21	1.29	10.64	0.29	0.005	0.04	0.240	55.7	9.7	0.04	0.005	1.00	0.016	0.008	0.031
80	8	9	ABAC 80009	34.7	29.4	0.03	0.03	0.010	1.22	1.34	10.64	0.29	0.004	0.04	0.130	55.0	9.0	0.05	0.005	1.06	0.018	0.005	0.031
80	9	10	ABAC 80010	33.9	28.1	0.03	0.15	0.011	1.04	1.31	10.55	0.31	0.004	0.10	0.390	55.9	9.9	0.06	0.008	1.31	0.016	0.023	0.042
80	10	11	ABAC 80011	35.5	28.7	0.02	0.13	0.012	1.62	1.33	10.68	0.31	0.005	0.04	0.320	54.6	8.6	0.04	0.007	1.24	0.026	0.007	0.043
80	11	12	ABAC 80012	62.2	28.2	0.02	0.07	0.011	0.98	1.45	9.94	0.34	0.004	0.05	0.170	56.9	10.9	0.04	0.007	1.23	0.021	0.006	0.040
80	11	12	Dup 80012.1	60.4	28.5	0.02	0.06	0.014	0.98	1.45	10.23	0.33	0.004	0.04	0.190	56.8	10.8	0.04	0.006	1.24	0.020	0.006	0.041
80	12	13	ABAC 80013	44.1	28.9	0.02	0.07	0.009	0.85	1.27	10.59	0.27	0.004	0.04	0.22	55.9	9.9	0.041	0.005	1.05	0.02	0.027	0.029
80	13	14	ABAC 80014	36.2	30.0	<0.01	0.12	0.010	0.85	1.20	10.23	0.28	0.005	0.05	0.190	55.8	9.8	0.02	0.005	0.99	0.019	0.009	0.027
80	14	15	ABAC 80015	38.2	29.2	0.03	0.17	0.009	0.95	1.3	10.01	0.29	0.004	0.05	0.28	55.5	9.5	0.023	0.005	1.05	0.021	0.006	0.027
80	15	16	ABAC 80016	33.8	29.6	0.02	0.18	0.009	0.88	1.30	10.40	0.29	0.005	0.04	0.350	55.4	9.4	0.02	0.006	1.18	0.021	0.012	0.036
80	16	17	ABAC 80017	37.7	29.9	0.02	0.08	0.010	0.85	1.36	10.07	0.31	0.004	0.05	0.120	55.7	9.7	0.01	0.005	1.13	0.020	0.005	0.031
80	17	18	ABAC 80018	39.0	28.7	0.02	0.16	0.009	1.09	1.33	9.84	0.30	0.005	0.06	0.230	56.5	10.5	0.02	0.004	1.00	0.019	0.005	0.029
80	18	19	ABAC 80019	40.9	29.5	0.02	0.22	0.011	0.94	1.39	10.49	0.33	0.005	0.07	0.450	55.0	9.0	0.03	0.006	1.13	0.018	0.006	0.034
80	19	20	ABAC 80020	33.9	29.3	0.02	0.06	0.011	0.91	1.24	9.90	0.27	0.004	0.05	0.098	56.7	10.7	0.02	0.003	1.05	0.018	0.003	0.030
80	20	21	ABAC 80021	36.3	28.6	<0.01	0.17	0.009	0.8	1.18	10.37	0.27	0.004	0.06	0.34	56.2	10.2	0.024	0.003	1.08	0.02	0.003	0.036
80	21	22	ABAC 80022	39.7	29.5	0.02	0.13	0.012	0.72	1.19	10.01	0.27	0.005	0.04	0.210	56.3	10.3	0.02	0.005	1.12	0.020	0.008	0.032
80	22	23	ABAC 80023	41.2	29.7	0.02	0.14	0.010	0.82	1.24	10.10	0.29	0.004	0.05	0.230	55.7	9.7	0.02	0.005	1.17	0.019	0.004	0.037

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
80	23	24	ABAC 80024	39.7	28.9	<0.01	0.13	0.010	0.81	1.23	9.87	0.29	0.004	0.06	0.210	56.8	10.8	0.01	0.004	1.20	0.019	0.004	0.036
80	24	25	ABAC 80025	36.4	29.6	<0.01	0.11	0.006	0.74	1.13	10.05	0.25	0.004	0.05	0.190	56.7	10.7	0.02	0.004	0.97	0.015	0.004	0.026
80	25	26	ABAC 80026	37.7	27.1	0.01	0.12	0.007	0.71	1.10	9.35	0.26	0.003	0.29	0.160	58.7	12.7	0.07	0.004	1.03	0.012	0.002	0.030
80	26	27	ABAC 80027	36.3	29.4	0.02	0.15	0.007	0.65	1.1	10.54	0.24	0.003	0.03	0.34	55.9	9.9	0.026	0.004	0.91	0.017	0.002	0.023
80	27	28	ABAC 80028	37.6	27.4	0.02	0.15	0.010	0.58	1.07	9.32	0.24	0.005	0.05	0.240	59.8	13.8	0.01	0.004	0.97	0.017	0.002	0.026
80			Std 80028.9		23.1	<0.01	0.66	0.017	2.45	0.60	0.67	0.77	0.19	0.94	0.039	63.7	17.7	0.04	0.002	0.06	0.004	0.007	0.003
80	28	29	ABAC 80029	41.0	29.0	<0.01	0.09	0.006	0.69	1.15	9.84	0.25	0.003	0.05	0.140	57.4	11.4	0.01	0.004	1.00	0.018	0.004	0.027
80	29	30	ABAC 80030	42.4	29.5	0.01	0.09	0.004	0.64	1.14	9.94	0.24	0.003	0.04	0.160	56.6	10.6	0.01	0.004	1.03	0.020	0.002	0.024
80	30	31	ABAC 80031	44.7	29.0	<0.01	0.06	0.008	0.68	1.10	9.85	0.24	0.004	0.04	0.110	57.4	11.4	0.01	0.004	1.06	0.021	0.005	0.032
80	31	32	ABAC 80032	34.7	29.3	<0.01	0.05	0.008	0.57	0.96	10.15	0.21	0.005	0.03	0.096	57.2	11.2	0.01	0.004	0.92	0.021	0.004	0.032
80	32	33	ABAC 80033	31.4	28.6	0.02	0.12	0.009	0.69	1.11	9.91	0.26	0.005	0.05	0.220	57.3	11.3	0.02	0.005	1.39	0.020	0.004	0.039
80	33	34	ABAC 80034	61.3	24.3	0.02	0.12	0.017	0.91	1.43	9.04	0.33	0.003	0.83	0.200	54.9	8.9	0.08	0.007	1.08	0.021	0.004	0.033
80	34	35	ABAC 80035	53.5	27.8	0.02	0.08	0.011	0.76	1.41	9.33	0.33	0.005	0.05	0.110	58.5	12.5	0.02	0.006	1.10	0.021	0.004	0.033
80	35	36	ABAC 80036	55.3	25.7	0.03	0.10	0.014	0.85	1.47	8.68	0.35	0.006	0.05	0.180	59.7	13.7	0.02	0.005	1.17	0.022	0.004	0.035
80	36	37	ABAC 80037	31.3	26.4	0.05	0.13	0.009	0.80	1.07	9.21	0.24	0.004	0.04	0.210	60.1	14.1	0.03	0.004	0.96	0.020	0.006	0.026
80	37	38	ABAC 80038	44.0	28.8	0.02	0.14	0.010	0.66	1.14	9.92	0.27	0.005	0.05	0.230	57.3	11.3	0.02	0.004	0.85	0.020	0.003	0.026
80	38	39	ABAC 80039	44.7	29.7	<0.01	0.10	0.009	0.74	1.11	10.15	0.25	0.004	0.04	0.190	56.3	10.3	0.02	0.005	0.92	0.021	0.003	0.028
80	39	40	ABAC 80040	28.6	27.7	0.02	0.10	0.012	0.86	0.86	9.60	0.19	0.003	0.05	0.170	59.0	13.0	0.02	0.004	0.75	0.019	0.004	0.022
80	40	41	ABAC 80041	23.7	28.3	0.01	0.09	0.014	0.98	0.76	9.95	0.16	0.004	0.03	0.150	58.2	12.2	0.02	0.003	0.69	0.017	0.006	0.020
80	41	42	ABAC 80042	17.7	25.8	<0.01	0.07	0.020	1.32	0.59	9.23	0.12	0.007	0.04	0.110	61.4	15.4	0.02	0.003	0.60	0.014	0.009	0.020
80	42	43	ABAC 80043	40.1	23.2	0.03	0.06	0.015	4.18	1.39	8.91	0.32	0.006	0.05	0.240	60.2	14.2	0.15	0.004	1.09	0.032	0.018	0.039
80	43	44	ABAC 80044	70.5	23.7	0.04	0.10	0.009	1.03	1.71	8.00	0.42	0.005	0.06	0.094	63.1	17.1	0.03	0.005	1.05	0.016	0.008	0.040
80	44	45	ABAC 80045	73.1	23.4	0.03	0.10	0.011	1.07	1.83	9.89	0.46	0.005	0.09	0.220	60.7	14.7	0.08	0.005	0.96	0.020	0.014	0.036
81	0	1	ABAC 81001	65.3	26.7	0.02	0.12	0.010	3.11	0.99	11.19	0.28	0.017	0.08	0.290	55.6	9.6	0.11	0.006	0.95	0.018	0.007	0.036
81	1	2	ABAC 81002	63.6	27.0	0.02	0.04	0.009	3.22	1.07	10.65	0.25	0.009	0.05	0.140	55.8	9.8	0.08	0.006	0.97	0.016	0.002	0.034
81	2	3	ABAC 81003	55.0	27.1	0.02	0.05	0.014	5.68	1.09	10.60	0.24	0.01	0.07	0.180	53.5	7.5	0.07	0.007	1.05	0.021	0.003	0.038
81	3	4	ABAC 81004	35.5	30.1	0.02	0.12	0.009	1.73	1.04	11.76	0.23	0.006	0.07	0.260	53.1	7.1	0.140	0.007	0.86	0.019	0.010	0.026
81	4	5	ABAC 81005	29.2	30.5	0.02	0.17	0.005	0.85	0.94	11.22	0.20	0.004	0.03	0.360	54.5	8.5	0.21	0.012	0.77	0.012	0.002	0.028
81	5	6	ABAC 81006	33.1	31.5	0.02	0.05	0.008	0.76	0.99	10.91	0.19	0.004	0.04	0.110	54.3	8.3	0.21	0.014	0.94	0.013	0.002	0.023
81	6	7	ABAC 81007	40.0	30.1	0.02	0.08	0.004	0.72	0.97	10.84	0.20	0.004	0.03	0.21	55.1	9.1	0.07	0.010	0.95	0.014	0.004	0.029
81	7	8	ABAC 81008	39.9	30.9	<0.01	0.07	0.004	0.73	1.01	10.48	0.23	0.005	0.04	0.120	55.2	9.2	0.02	0.008	0.95	0.013	0.002	0.029
81	8	9	ABAC 81009	36.8	30.5	0.02	0.19	0.006	0.77	1.02	10.47	0.23	0.004	0.09	0.300	55.1	9.1	0.02	0.008	0.87	0.014	<0.001	0.028

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
81	9	10	ABAC 81010	39.2	30.3	0.02	0.07	0.007	0.80	1.04	10.38	0.23	0.004	0.07	0.110	55.1	9.1	0.06	0.011	1.06	0.016	0.002	0.033
81	10	11	ABAC 81011	32.0	29.8	0.02	0.15	0.009	0.88	1.07	10.29	0.23	0.004	0.06	0.250	55.3	9.3	0.02	0.010	1.11	0.017	0.001	0.034
81	11	12	ABAC 81012	53.0	29.1	0.02	0.15	0.007	0.89	1.22	10.54	0.27	0.004	0.05	0.330	55.4	9.4	0.04	0.010	1.24	0.020	0.001	0.040
81	12	13	ABAC 81013	31.4	29.3	<0.01	0.18	0.016	0.72	1.02	10.07	0.23	0.005	0.04	0.280	56.8	10.8	0.02	0.005	0.99	0.017	0.004	0.029
81	13	14	ABAC 81014	34.0	29.7	0.01	0.07	0.01	0.68	1	10.12	0.2	0.004	0.03	0.12	56.2	10.2	0.022	0.007	1.09	0.014	0.002	0.033
81	14	15	ABAC 81015	36.6	30.4	0.02	0.09	0.009	0.72	1.13	10.30	0.24	0.004	0.05	0.150	54.9	8.9	0.02	0.010	1.04	0.018	0.002	0.029
81	15	16	ABAC 81016	34.0	30.1	0.02	0.07	0.007	0.71	1.15	10.06	0.25	0.005	0.04	0.12	55.9	9.9	0.024	0.011	1.11	0.018	0.002	0.035
81	16	17	ABAC 81017	40.9	27.8	<0.01	0.14	0.016	6.20	1.19	10.64	0.29	0.01	0.04	0.320	51.7	5.7	0.03	0.010	1.02	0.028	0.011	0.035
81	17	18	ABAC 81018	55.9	26.8	0.02	0.11	0.007	2.77	1.50	9.31	0.38	0.007	0.07	0.140	57.4	11.4	0.02	0.007	1.05	0.019	0.008	0.035
81	18	19	ABAC 81019	63.2	24.2	0.03	0.14	0.012	1.73	1.66	8.51	0.48	0.006	0.08	0.180	60.4	14.4	0.03	0.006	0.98	0.018	0.013	0.031
81	19	20	ABAC 81020	56.5	23.0	0.05	0.20	0.007	4.80	1.90	8.67	0.66	0.018	0.33	0.210	58.4	12.4	0.08	0.007	0.88	0.017	0.032	0.030
81	20	21	ABAC 81021	69.9	21.5	0.08	0.20	0.009	5.89	2.04	8.10	0.81	0.017	0.15	0.210	58.3	12.3	0.03	0.010	0.93	0.017	0.039	0.034
81	21	22	ABAC 81022	73.3	21.4	0.04	0.24	0.016	5.38	2.24	7.88	0.9	0.014	0.27	0.27	58.6	12.6	0.065	0.007	0.94	0.019	0.038	0.033
81	22	23	ABAC 81023	62.2	21.8	0.06	0.13	0.010	5.27	2.43	8.21	0.87	0.017	0.50	0.270	57.6	11.6	0.10	0.006	0.92	0.018	0.035	0.031
81	23	24	ABAC 81024	60.6	22.6	0.05	0.13	0.009	3.69	2.43	8.49	0.80	0.012	0.50	0.160	58.9	12.9	0.11	0.006	0.96	0.019	0.027	0.033
81	24	25	ABAC 81025	47.6	23.3	0.06	0.11	0.008	5.63	2.42	9.05	0.51	0.011	0.13	0.260	56.5	10.5	0.06	0.005	0.86	0.016	0.024	0.025
81	25	26	ABAC 81026	47.8	23.6	0.06	0.15	0.007	5.13	2.40	8.71	0.52	0.01	0.16	0.330	57.0	11.0	0.03	0.005	0.87	0.019	0.020	0.028
81	26	27	ABAC 81027	72.9	23.8	0.04	0.13	0.012	2.20	1.94	8.56	0.61	0.006	0.15	0.270	59.6	13.6	0.03	0.005	1.04	0.020	0.018	0.034
81	27	28	ABAC 81028	73.2	24.0	0.03	0.13	0.012	3.01	1.77	9.03	0.5	0.007	0.1	0.26	58.6	12.6	0.041	0.006	1.07	0.023	0.016	0.036
81	27	28	Dup 81028.1	72.3	24.1	0.03	0.10	0.015	2.89	1.76	9.04	0.46	0.008	0.08	0.170	58.6	12.6	0.04	0.006	1.09	0.022	0.015	0.037
81	28	29	ABAC 81029	46.5	26.6	0.02	0.05	0.017	3.96	1.18	10.32	0.27	0.016	0.05	0.190	54.9	8.9	0.04	0.005	0.97	0.022	0.009	0.030
81	29	30	ABAC 81030	41.0	27.3	0.02	0.09	0.009	1.23	1.47	10.40	0.31	0.005	0.04	0.240	56.3	10.3	0.04	0.004	0.97	0.017	0.005	0.028
81	30	31	ABAC 81031	51.1	27.2	0.02	0.04	0.016	3.36	1.19	10.27	0.27	0.01	0.04	0.160	55.3	9.3	0.04	0.005	1.06	0.023	0.007	0.033
81	31	32	ABAC 81032	65.0	28.5	0.01	0.07	0.017	0.68	1.19	9.82	0.27	0.005	0.05	0.110	57.1	11.1	0.02	0.006	1.10	0.017	0.002	0.035
81	32	33	ABAC 81033	40.0	27.7	0.02	0.12	0.017	0.67	1.10	9.71	0.25	0.006	0.04	0.190	58.0	12.0	0.02	0.005	1.13	0.017	0.002	0.045
81	33	34	ABAC 81034	40.7	29.1	<0.01	0.06	0.010	0.55	1.10	10.74	0.24	0.004	0.03	0.160	56.1	10.1	0.03	0.005	1.06	0.018	0.002	0.032
81	34	35	ABAC 81035	40.7	26.8	0.02	0.05	0.012	0.72	1.09	10.00	0.24	0.005	0.04	0.120	59.4	13.4	0.04	0.004	0.98	0.017	0.002	0.031
81	35	36	ABAC 81036	33.5	28.6	0.01	0.06	0.009	0.60	0.88	10.72	0.18	0.004	0.03	0.150	56.7	10.7	0.03	0.004	0.87	0.017	0.002	0.029
81	36	37	ABAC 81037	40.3	27.6	0.02	0.03	0.010	3.56	0.97	10.71	0.20	0.011	0.03	0.140	55.0	9.0	0.05	0.004	0.94	0.022	0.005	0.033
81	37	38	ABAC 81038	56.5	22.7	0.02	0.08	0.010	3.17	1.58	8.88	0.36	0.01	0.06	0.150	60.6	14.6	0.05	0.006	1.12	0.021	0.006	0.061
81			Std 81038.9		23.3	<0.01	0.66	0.015	2.45	0.60	0.75	0.79	0.19	0.94	0.039	63.8	17.8	0.04	0.002	0.05	0.004	0.007	0.003
81	38	39	ABAC 81039	57.2	23.6	0.03	0.08	0.008	1.42	1.82	8.52	0.40	0.006	0.07	0.087	62.4	16.4	0.04	0.006	0.97	0.018	0.006	0.043
81	39	40	ABAC 81040	58.2	23.5	0.05	0.10	0.009	1.90	2.16	8.42	0.46	0.008	0.07	0.097	60.9	14.9	0.04	0.006	1.03	0.021	0.008	0.044

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
81	40	41	ABAC 81041	75.1	21.9	0.04	0.18	0.007	3.52	2.21	7.86	0.61	0.007	0.13	0.140	61.0	15.0	0.04	0.007	0.97	0.020	0.013	0.040
81	41	42	ABAC 81042	76.9	20.5	0.04	0.26	0.007	3.14	2.52	7.70	0.87	0.01	0.15	0.130	61.6	15.6	0.04	0.007	0.91	0.018	0.026	0.037
82	0	1	ABAC 82001	59.1	23.1	0.01	0.14	0.023	5.87	0.19	12.05	0.15	0.009	0.07	0.035	54.9	8.9	0.09	0.004	2.42	0.042	0.007	0.035
82	1	2	ABAC 82002	13.3	21.6	0.03	0.14	0.023	4.56	0.36	9.89	0.19	0.009	0.09	0.037	60.3	14.3	0.09	0.006	1.45	0.033	0.008	0.022
82	2	3	ABAC 82003	31.2	26.8	0.03	0.09	0.012	1.38	0.73	9.72	0.21	0.005	0.06	0.048	59.5	13.5	0.08	0.011	1.10	0.015	0.003	0.033
82	3	4	ABAC 82004	38.4	28.7	0.03	0.07	0.008	0.94	0.90	10.05	0.22	0.004	0.05	0.032	57.7	11.7	0.053	0.006	0.93	0.015	0.010	0.030
82	4	5	ABAC 82005	38.8	28.3	0.02	0.07	0.007	0.86	0.85	9.99	0.22	0.004	0.04	0.032	57.7	11.7	0.06	0.008	1.03	0.016	0.003	0.033
82	5	6	ABAC 82006	32.5	29.3	0.03	0.06	0.012	0.81	0.95	10.36	0.22	0.004	0.04	0.043	57.1	11.1	0.13	0.011	0.91	0.015	0.003	0.027
82	5	6	Dup 82006.1	35.3	28.9	0.02	0.03	0.006	0.79	0.92	11.07	0.19	0.003	0.04	0.05	56.4	10.4	0.17	0.011	0.90	0.015	0.003	0.026
82	6	7	ABAC 82007	33.0	28.8	0.05	0.03	0.007	1.00	1.07	11.67	0.18	0.004	0.05	0.086	55.1	9.1	0.95	0.027	0.85	0.015	0.008	0.025
82	7	8	ABAC 82008	32.6	28.8	0.06	0.02	0.007	1.52	1.96	15.31	0.17	0.005	0.10	0.140	50.3	4.3	4.48	0.051	0.88	0.013	0.007	0.024
82	8	9	ABAC 82009	47.0	24.4	0.03	0.03	0.022	7.59	1.19	10.74	0.24	0.015	0.06	0.053	53.8	7.8	0.30	0.007	0.98	0.023	0.008	0.034
82	9	10	ABAC 82010	67.9	22.6	0.03	0.06	0.012	8.47	1.38	9.24	0.31	0.017	0.08	0.045	56.3	10.3	0.09	0.005	1.05	0.022	0.016	0.039
82	10	11	ABAC 82011	75.9	23.3	0.02	0.09	0.009	5.29	1.56	8.62	0.38	0.006	0.07	0.042	58.8	12.8	0.05	0.005	1.03	0.025	0.004	0.034
82	11	12	ABAC 82012	77.9	23.8	0.03	0.14	0.010	4.27	1.72	8.41	0.46	0.006	0.07	0.049	59.2	13.2	0.08	0.006	1.00	0.019	0.006	0.033
82	12	13	ABAC 82013	78.0	23.2	0.05	0.19	0.005	3.85	1.8	8.21	0.54	0.007	0.08	0.063	59.9	13.9	0.043	0.007	0.97	0.019	0.007	0.032
82	13	14	ABAC 82014	72.9	22.2	0.06	0.20	0.006	4.52	1.92	7.78	0.65	0.009	0.10	0.060	60.2	14.2	0.04	0.007	0.95	0.020	0.011	0.032
82	14	15	ABAC 82015	67.6	23.5	0.05	0.18	0.007	4.78	1.88	8.4	0.59	0.009	0.09	0.046	58.9	12.9	0.042	0.005	0.94	0.019	0.011	0.033
82	15	16	ABAC 82016	46.0	24.9	0.04	0.11	0.008	4.96	1.89	8.95	0.46	0.008	0.09	0.042	57.0	11.0	0.04	0.005	0.85	0.018	0.008	0.029
82	16	17	ABAC 82017	37.4	22.5	0.08	0.07	0.008	2.20	2.24	7.59	0.34	0.006	0.12	0.034	63.3	17.3	0.04	0.006	0.81	0.015	0.006	0.028
82	17	18	ABAC 82018	40.9	21.1	0.05	0.12	0.009	9.13	1.97	7.89	0.47	0.011	0.10	0.048	57.9	11.9	0.04	0.005	0.84	0.020	0.012	0.041
82	18	19	ABAC 82019	62.5	22.6	0.05	0.19	0.006	3.72	1.97	7.89	0.61	0.006	0.09	0.041	60.5	14.5	0.04	0.005	0.99	0.019	0.011	0.045
82	19	20	ABAC 82020	62.1	22.2	0.04	0.20	0.006	5.78	2.00	8.34	0.65	0.008	0.14	0.047	58.1	12.1	0.04	0.005	1.00	0.018	0.012	0.047
82	20	21	ABAC 82021	70.0	21.0	0.04	0.18	0.009	3.81	2.21	7.41	0.66	0.01	0.17	0.043	61.7	15.7	0.032	0.006	1.02	0.019	0.012	0.039
82	21	22	ABAC 82022	44.9	22.2	0.05	0.17	0.003	4.91	2.64	7.89	0.64	0.018	0.15	0.065	59.0	13.0	0.04	0.006	0.96	0.018	0.023	0.038
82	22	23	ABAC 82023	57.1	19.7	0.06	0.18	0.006	4.09	2.81	6.64	0.71	0.022	0.15	0.075	63.0	17.0	0.03	0.007	1.00	0.018	0.017	0.045
82	23	24	ABAC 82024	49.7	20.5	0.06	0.23	0.005	8.29	2.70	7.49	0.83	0.038	0.14	0.110	57.1	11.1	0.04	0.007	0.88	0.016	0.033	0.037
82	24	25	ABAC 82025	62.8	19.0	0.05	0.20	0.007	4.80	2.67	6.53	0.89	0.015	0.17	0.053	62.9	16.9	0.03	0.008	0.93	0.018	0.024	0.040
82	25	26	ABAC 82026	63.2	18.9	0.05	0.26	0.005	5.00	2.64	6.52	1.10	0.015	0.20	0.047	62.8	16.8	0.03	0.007	0.84	0.016	0.026	0.037
82	26	27	ABAC 82027	62.1	18.9	0.04	0.27	0.008	6.11	2.62	6.91	1.14	0.019	0.19	0.057	60.8	14.8	0.032	0.008	0.84	0.017	0.032	0.034
82	27	28	ABAC 82028	50.9	19.1	0.04	0.26	0.006	4.91	2.60	7.72	1.05	0.012	0.18	0.059	61.0	15.0	0.06	0.008	0.84	0.017	0.030	0.031
82	28	29	ABAC 82029	50.4	18.9	0.05	0.23	0.007	4.95	2.64	7.27	1.06	0.011	0.17	0.056	61.5	15.5	0.05	0.008	0.85	0.018	0.029	0.035

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
82	29	30	ABAC 82030	51.8	19.1	0.04	0.24	0.008	4.50	2.66	7.11	1.07	0.011	0.18	0.053	62.1	16.1	0.04	0.008	0.85	0.017	0.029	0.032
82	30	31	ABAC 82031	54.5	19.2	0.05	0.25	0.004	6.18	2.70	6.70	1.06	0.021	0.18	0.059	60.7	14.7	0.03	0.009	0.88	0.019	0.031	0.035
82	31	32	ABAC 82032	41.8	18.8	0.05	0.23	0.006	7.93	2.51	6.91	0.90	0.036	0.19	0.078	59.2	13.2	0.02	0.008	0.80	0.017	0.049	0.031
82	32	33	ABAC 82033	48.0	19.8	0.06	0.29	0.008	5.82	2.60	7.13	1.16	0.014	0.21	0.068	59.4	13.4	0.02	0.010	0.80	0.016	0.038	0.031
82	33	34	ABAC 82034	41.1	20.2	0.07	0.28	0.005	5.37	2.53	7.54	1.17	0.011	0.22	0.080	59.7	13.7	0.04	0.011	0.77	0.016	0.035	0.032
82	34	35	ABAC 82035	64.1	19.6	0.04	0.19	0.008	4.49	2.68	7.01	1.06	0.011	0.20	0.049	61.2	15.2	0.03	0.007	0.86	0.017	0.025	0.033
82	35	36	ABAC 82036	48.4	20.8	0.06	0.17	0.008	3.56	2.76	6.97	0.70	0.01	0.15	0.045	62.1	16.1	0.03	0.007	0.91	0.018	0.017	0.033
82	36	37	ABAC 82037	43.8	22.8	0.13	0.12	0.013	3.05	2.98	8.21	0.67	0.017	0.13	0.034	60.2	14.2	0.08	0.007	0.94	0.017	0.015	0.035
82	37	38	ABAC 82038	47.1	24.2	0.08	0.13	0.012	1.78	3.18	7.33	0.66	0.008	0.13	0.038	60.2	14.2	0.02	0.006	1.09	0.020	0.014	0.038
82	38	39	ABAC 82039	35.9	24.3	0.08	0.14	0.004	1.89	3.09	7.43	0.65	0.016	0.12	0.036	60.0	14.0	0.02	0.007	0.95	0.020	0.014	0.033
82	39	40	ABAC 82040	61.9	24.2	0.06	0.12	0.006	1.69	3.15	7.38	0.76	0.007	0.16	0.044	59.7	13.7	0.02	0.007	1.06	0.021	0.017	0.037
82	40	41	ABAC 82041	43.2	24.6	0.10	0.10	0.011	1.28	3.28	7.37	0.51	0.007	0.10	0.036	60.9	14.9	0.03	0.006	1.03	0.021	0.019	0.034
82			Std 82041.9		23.2	<0.01	0.66	0.012	2.44	0.59	0.63	0.78	0.19	0.95	0.04	63.4	17.4	0.047	0.002	0.055	0.002	0.007	0.003
82	41	42	ABAC 82042	46.5	21.4	0.07	0.07	0.007	1.03	2.75	6.43	0.37	0.005	0.09	0.032	66.1	20.1	0.02	0.006	0.92	0.015	0.009	0.035
82	42	43	ABAC 82043	36.0	25.9	0.06	0.09	0.011	1.57	2.51	8.15	0.44	0.011	0.08	0.037	59.4	13.4	0.02	0.007	1.11	0.021	0.010	0.037
82	43	44	ABAC 82044	23.0	24.9	0.05	0.07	0.014	2.18	1.86	8.29	0.26	0.011	0.07	0.032	60.7	14.7	0.03	0.006	0.86	0.020	0.032	0.025
82	44	45	ABAC 82045	23.1	25.4	0.03	0.06	0.007	1.90	1.36	8.55	0.24	0.009	0.05	0.030	61.1	15.1	0.02	0.005	0.81	0.019	0.020	0.023
82	45	46	ABAC 82046	23.8	25.6	0.03	0.05	0.014	1.47	1.21	8.68	0.23	0.007	0.04	0.031	61.6	15.6	0.02	0.004	0.91	0.019	0.024	0.025
82	46	47	ABAC 82047	26.4	22.2	0.03	0.05	0.008	1.19	1.21	7.45	0.21	0.006	0.04	0.026	65.8	19.8	0.021	0.004	0.74	0.016	0.01	0.024
82	47	48	ABAC 82048	27.9	22.2	0.04	0.06	0.01	1.39	1.33	7.42	0.21	0.007	0.05	0.027	66	20.0	0.031	0.005	0.68	0.014	0.009	0.021
83	0	1	ABAC 83001	21.1	16.2	0.04	0.30	0.015	3.05	0.62	7.14	0.32	0.012	0.25	0.110	70.0	24.0	0.05	0.006	1.59	0.024	0.010	0.044
83	1	2	ABAC 83002	30.6	25.9	0.05	0.02	0.012	2.75	0.99	9.37	0.23	0.003	0.24	0.130	58.9	12.9	0.07	0.005	0.90	0.016	0.004	0.030
83	2	3	ABAC 83003	42.8	29.1	0.01	0.01	0.010	1.39	1.12	10.17	0.23	0.002	0.13	0.096	55.9	9.9	0.04	0.005	0.84	0.013	0.001	0.027
83	3	4	ABAC 83004	41.2	27.5	0.02	0.09	0.009	3.30	1.13	9.91	0.28	0.022	0.14	0.150	56.0	10.0	0.081	0.011	0.82	0.024	0.004	0.025
83	4	5	ABAC 83005	34.7	29.6	0.01	0.06	0.010	2.59	1.17	10.32	0.25	0.013	0.08	0.110	54.1	8.1	0.04	0.006	0.96	0.021	0.003	0.030
83	5	6	ABAC 83006	31.0	30.1	0.01	0.03	0.009	0.93	1.07	10.20	0.21	0.006	0.08	0.079	55.8	9.8	0.04	0.005	0.77	0.018	0.001	0.023
83	6	7	ABAC 83007	31.6	29.4	0.01	0.01	0.009	0.95	1.14	10.05	0.23	0.004	0.10	0.08	56.7	10.7	0.04	0.004	0.81	0.018	0.001	0.028
83	7	8	ABAC 83008	32.9	30.3	0.01	0.02	0.009	0.96	1.22	10.42	0.26	0.003	0.09	0.079	55.2	9.2	0.03	0.004	0.92	0.018	0.001	0.029
83	8	9	ABAC 83009	32.4	29.0	0.02	0.02	0.009	1.02	1.26	9.95	0.26	0.004	0.12	0.078	57.2	11.2	0.03	0.004	0.92	0.016	0.002	0.030
83	9	10	ABAC 83010	52.1	26.1	0.03	0.03	0.012	3.04	1.59	8.93	0.34	0.005	0.18	0.130	58.0	12.0	0.03	0.005	1.10	0.025	0.004	0.038
83	10	11	ABAC 83011	81.4	22.7	0.03	0.06	0.011	3.27	1.66	7.87	0.43	0.005	0.88	0.860	60.9	14.9	0.09	0.004	1.00	0.019	0.004	0.035
83	11	12	ABAC 83012	79.5	23.3	0.03	0.06	0.011	3.06	1.95	7.98	0.60	0.008	1.01	0.970	59.9	13.9	0.09	0.006	1.02	0.020	0.007	0.037

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
83	12	13	ABAC 83013	66.5	22.6	0.03	0.03	0.009	5.78	1.89	7.92	0.46	0.008	0.23	0.140	59.6	13.6	0.03	0.005	0.98	0.019	0.008	0.035
83	13	14	ABAC 83014	50.3	25.6	0.06	0.03	0.008	5.57	2.00	9.00	0.39	0.014	0.26	0.210	56.1	10.1	0.04	0.005	0.92	0.018	0.009	0.033
83	14	15	ABAC 83015	40.4	26.7	0.05	0.03	0.007	2.89	2.21	8.88	0.40	0.01	0.22	0.150	57.0	11.0	0.03	0.005	0.93	0.015	0.006	0.032
83	15	16	ABAC 83016	29.1	27.1	0.03	0.02	0.007	2.17	2.01	9.01	0.35	0.007	0.22	0.180	57.8	11.8	0.04	0.006	0.83	0.015	0.007	0.026
83	16	17	ABAC 83017	35.8	26.7	0.03	0.13	0.009	2.18	1.85	9.34	0.41	0.008	1.33	1.420	55.5	9.5	0.12	0.006	0.83	0.022	0.006	0.033
83	17	18	ABAC 83018	35.2	26.8	0.03	0.10	0.013	1.43	1.83	9.12	0.32	0.007	1.11	1.180	56.6	10.6	0.11	0.006	0.81	0.018	0.004	0.032
83	18	19	ABAC 83019	32.0	27.3	0.03	0.11	0.011	1.00	1.76	9.26	0.29	0.007	1.18	1.320	56.6	10.6	0.12	0.005	0.76	0.015	0.006	0.023
83	19	20	ABAC 83020	26.8	26.4	0.03	0.04	0.013	0.88	1.78	8.67	0.25	0.003	0.12	0.099	60.3	14.3	0.02	0.005	0.89	0.016	0.002	0.025
83			Dup 83020.1	25.2	27.3	0.03	0.02	0.009	0.92	1.75	9.09	0.23	0.005	0.18	0.120	58.8	12.8	0.02	0.005	0.89	0.014	0.002	0.024
83	20	21	ABAC 83021	27.3	25.8	0.03	0.09	0.008	0.89	1.75	8.78	0.24	0.005	1.35	1.450	58.1	12.1	0.12	0.005	0.84	0.015	0.003	0.025
83	21	22	ABAC 83022	24.9	27.1	0.06	0.02	0.011	1.51	1.97	9.04	0.23	0.004	0.17	0.110	58.3	12.3	0.04	0.005	0.92	0.011	0.002	0.028
83	22	23	ABAC 83023	65.5	21.9	0.05	0.04	0.011	2.65	2.00	7.09	0.33	0.004	0.15	0.092	64.5	18.5	0.03	0.005	1.07	0.016	0.003	0.056
83			Std 83023.9		23.1	<0.01	0.66	0.016	2.45	0.59	0.70	0.79	0.19	0.96	0.043	64.1	18.1	0.05	0.002	0.06	0.004	0.007	0.005
83	23	24	ABAC 83024	53.5	21.0	0.05	0.10	0.011	8.10	2.34	7.64	0.49	0.01	1.06	1.060	56.7	10.7	0.12	0.006	0.98	0.018	0.007	0.055
84	0	1	ABAC 84001	48.9	25.9	0.01	0.15	0.014	3.63	0.29	14.63	0.23	0.006	0.51	0.890	51.7	5.7	0.14	0.005	1.40	0.020	0.004	0.035
84	1	2	ABAC 84002	37.7	28.3	0.04	0.08	0.012	2.43	0.52	11.55	0.18	0.004	0.39	0.410	54.2	8.2	0.11	0.013	1.17	0.021	0.002	0.031
84	2	3	ABAC 84003	32.7	29.7	0.03	0.06	0.014	1.41	0.85	11.37	0.18	0.003	0.22	0.340	54.4	8.4	0.15	0.018	0.99	0.014	0.002	0.035
84	3	4	ABAC 84004	38.7	29.6	0.05	0.04	0.012	1.18	0.89	11.11	0.19	0.004	0.20	0.310	55.2	9.2	0.20	0.016	1.05	0.015	0.003	0.035
84	4	5	ABAC 84005	46.8	28.4	0.02	0.05	0.013	2.58	0.92	10.73	0.21	0.004	0.33	0.370	55.1	9.1	0.13	0.008	1.01	0.023	0.002	0.039
84	5	6	ABAC 84006	65.4	26.3	0.04	0.15	0.009	1.48	1.17	9.50	0.30	0.003	0.27	0.340	58.8	12.8	0.05	0.006	1.00	0.017	0.002	0.037
84	6	7	ABAC 84007	59.7	26.0	0.02	0.07	0.010	1.27	1.22	9.40	0.29	0.003	0.31	0.290	59.4	13.4	0.05	0.004	1.03	0.017	0.003	0.037
84	7	8	ABAC 84008	51.7	27.0	0.03	0.09	0.011	2.53	1.54	9.68	0.33	0.004	0.31	0.350	56.9	10.9	0.05	0.005	1.06	0.024	0.003	0.037
84			Std 84008.9		23.2	<0.01	0.66	0.018	2.45	0.60	0.66	0.79	0.19	0.94	0.038	64.2	18.2	0.05	0.003	0.06	0.001	0.007	0.006
84	8	9	ABAC 84009	69.3	25.6	0.02	0.10	0.010	3.58	1.62	10.97	0.39	0.003	0.45	0.680	55.0	9.0	0.08	0.005	1.01	0.021	0.005	0.033
84	9	10	ABAC 84010	73.5	23.0	0.03	0.16	0.010	2.05	1.69	8.04	0.42	0.005	0.28	0.350	62.2	16.2	0.04	0.005	1.05	0.017	0.005	0.037
84	10	11	ABAC 84011	41.6	24.4	0.04	0.11	0.014	4.93	2.15	8.91	0.38	0.007	0.38	0.400	56.5	10.5	0.05	0.005	1.01	0.018	0.005	0.036
84	11	12	ABAC 84012	41.4	26.8	0.04	0.22	0.009	4.90	2.23	9.69	0.38	0.005	0.30	0.530	53.5	7.5	0.05	0.005	0.87	0.016	0.004	0.030
84	12	13	ABAC 84013	36.6	26.3	0.04	0.34	0.009	3.60	2.51	9.28	0.40	0.01	0.29	0.680	55.3	9.3	0.04	0.007	0.96	0.016	0.007	0.036
84	13	14	ABAC 84014	29.4	27.9	0.04	0.08	0.010	2.10	2.24	10.08	0.29	0.005	0.37	0.430	55.5	9.5	0.05	0.006	0.80	0.016	0.005	0.025
84	14	15	ABAC 84015	28.9	27.4	0.05	0.05	0.009	2.10	2.36	9.58	0.31	0.008	0.36	0.380	56.4	10.4	0.04	0.005	0.83	0.012	0.005	0.025
84	15	16	ABAC 84016	33.0	27.2	0.05	0.11	0.013	4.06	2.27	9.91	0.34	0.011	0.38	0.480	54.0	8.0	0.05	0.006	0.87	0.015	0.008	0.028
84	16	17	ABAC 84017	35.1	25.0	0.05	0.22	0.010	8.91	2.35	9.70	0.36	0.012	0.33	0.610	51.3	5.3	0.04	0.006	0.85	0.015	0.008	0.030

Hole	From	To	Sample No	% Sample	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	LOI_1000	MgO	MnO	Na2O	P2O5	SiO2	Free Qz	SO3	SrO	TiO2	V2O5	Zn(	ZrO2
ABAC	(m)	(m)		-20um	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
84	17	18	ABAC 84018	45.6	22.2	0.04	0.20	0.011	11.90	2.17	8.98	0.42	0.011	0.31	0.520	52.0	6.0	0.05	0.006	0.93	0.016	0.012	0.037
84	18	19	ABAC 84019	68.4	21.9	0.03	0.18	0.011	4.17	2.04	8.72	0.59	0.007	0.20	0.540	60.4	14.4	0.05	0.006	0.98	0.018	0.011	0.037
84	19	20	ABAC 84020	72.1	21.1	0.07	0.18	0.009	2.04	2.10	7.44	0.65	0.006	0.25	0.470	64.3	18.3	0.05	0.006	0.93	0.014	0.010	0.035
84	20	21	ABAC 84021	71.8	20.6	0.04	0.21	0.009	2.91	2.23	7.53	0.76	0.009	0.34	0.500	63.1	17.1	0.04	0.006	0.90	0.017	0.016	0.033
84	21	22	ABAC 84022	58.4	22.6	0.06	0.25	0.012	5.16	2.37	8.48	0.76	0.017	0.24	0.580	57.9	11.9	0.04	0.006	0.93	0.017	0.023	0.036
84	22	23	ABAC 84023	39.5	23.4	0.07	0.28	0.009	5.28	2.62	10.26	0.53	0.01	0.13	0.830	55.4	9.4	0.07	0.006	0.86	0.015	0.021	0.035
84	23	24	ABAC 84024	30.5	21.4	0.08	0.30	0.013	2.09	2.80	10.58	0.42	0.007	0.35	0.820	60.1	14.1	0.12	0.007	0.73	0.014	0.015	0.027
84	24	25	ABAC 84025	23.9	21.0	0.09	0.09	0.010	2.34	2.94	7.65	0.33	0.008	0.33	0.390	63.7	17.7	0.04	0.006	0.66	0.011	0.020	0.023
84	24	25	Dup 84025.1	25.1	20.7	0.09	0.08	0.014	2.39	2.97	8.42	0.33	0.007	0.40	0.600	62.9	16.9	0.06	0.006	0.68	0.011	0.021	0.024
84	25	26	ABAC 84026	23.7	19.3	0.09	0.11	0.016	3.04	3.01	8.00	0.30	0.008	0.35	0.600	64.2	18.2	0.06	0.007	0.64	0.012	0.028	0.024
84	26	27	ABAC 84027	38.7	19.4	0.08	0.28	0.011	8.66	2.36	8.17	0.53	0.015	0.17	0.660	58.1	12.1	0.06	0.008	0.86	0.018	0.030	0.043
84	27	28	ABAC 84028	66.3	21.4	0.04	0.21	0.009	5.08	2.19	10.13	0.71	0.009	0.19	0.800	58.1	12.1	0.07	0.007	0.95	0.017	0.012	0.050
84	28	29	ABAC 84029	71.0	20.8	0.04	0.26	0.010	2.48	2.46	7.08	0.82	0.009	0.41	0.540	63.8	17.8	0.03	0.008	1.00	0.016	0.012	0.046
84	29	30	ABAC 84030	74.9	20.6	0.04	0.29	0.009	2.26	2.68	8.01	0.83	0.009	0.31	0.620	62.9	16.9	0.05	0.007	1.01	0.016	0.015	0.040
85	0	1	ABAC 85001	48.2	30.7	0.02	0.04	0.012	0.84	0.96	11.90	0.22	0.005	0.22	0.370	52.7	6.7	0.11	0.011	0.99	0.015	0.003	0.033
85	1	2	ABAC 85002	44.1	30.1	0.02	0.02	0.010	0.75	1.05	10.93	0.22	0.003	0.29	0.320	54.6	8.6	0.12	0.011	0.97	0.016	0.004	0.029
85	2	3	ABAC 85003	35.3	29.8	0.02	0.02	0.010	0.79	1.08	10.94	0.21	<0.002	0.23	0.300	55.0	9.0	0.08	0.007	0.89	0.014	0.008	0.026
85	3	4	ABAC 85004	31.6	28.7	0.02	0.02	0.011	0.86	1.05	10.95	0.21	0.003	0.27	0.390	55.7	9.7	0.05	0.004	0.88	0.013	0.008	0.024
85	4	5	ABAC 85005	56.9	28.0	0.02	0.04	0.012	0.90	1.15	10.18	0.25	0.002	0.26	0.270	57.2	11.2	0.04	0.006	1.08	0.013	0.005	0.035
85	5	6	ABAC 85006	48.6	27.3	0.02	0.03	0.011	1.15	1.15	10.08	0.25	0.003	0.32	0.330	57.5	11.5	0.04	0.005	0.99	0.015	0.006	0.034
85	6	7	ABAC 85007	45.2	27.3	0.01	0.04	0.010	2.54	1.21	10.22	0.26	0.003	0.32	0.350	56.0	10.0	0.04	0.005	0.97	0.019	0.008	0.031
85	7	8	ABAC 85008	61.4	25.3	0.02	0.07	0.010	3.44	1.30	9.54	0.31	0.005	0.39	0.380	57.5	11.5	0.04	0.005	1.04	0.018	0.007	0.037
85	8	9	ABAC 85009	59.7	26.0	0.03	0.09	0.010	2.05	1.39	9.20	0.32	0.003	0.31	0.270	59.0	13.0	0.03	0.004	1.02	0.016	0.006	0.036
85	9	10	ABAC 85010	46.7	27.1	0.03	0.07	0.009	0.93	1.68	9.63	0.36	0.003	0.47	0.410	57.6	11.6	0.05	0.005	1.06	0.013	0.006	0.036
85	9	10	Dup 85010.1	45.0	25.8	0.03	0.15	0.027	0.90	1.65	9.90	0.45	0.004	1.13	0.670	57.7	11.7	0.09	0.006	1.05	0.013	0.005	0.036
85	10	11	ABAC 85011	38.3	27.5	0.04	0.05	0.009	1.12	2.04	9.73	0.36	0.004	0.43	0.390	56.8	10.8	0.04	0.006	1.00	0.016	0.007	0.034
85	11	12	ABAC 85012	37.2	27.8	0.05	0.09	0.008	1.39	2.46	10.24	0.36	0.005	0.09	0.400	55.7	9.7	0.03	0.006	0.92	0.015	0.009	0.025
85	12	13	ABAC 85013	34.4	28.0	0.06	0.04	0.009	1.33	2.71	9.72	0.39	0.004	0.55	0.470	55.3	9.3	0.04	0.005	0.99	0.015	0.010	0.027
85	13	14	ABAC 85014	30.4	26.8	0.06	0.03	0.009	1.42	2.90	9.37	0.34	0.005	0.47	0.450	55.8	9.8	0.04	0.005	0.92	0.015	0.013	0.026
85	14	15	ABAC 85015	27.7	27.0	0.06	0.03	0.007	1.22	2.87	8.95	0.32	0.005	0.47	0.480	56.9	10.9	0.04	0.006	0.93	0.016	0.012	0.030
85	15	16	ABAC 85016	28.2	26.2	0.08	0.05	0.012	1.48	3.08	8.88	0.34	0.01	0.48	0.440	57.2	11.2	0.06	0.005	0.86	0.017	0.012	0.026
85	16	17	ABAC 85017	30.0	26.4	0.08	0.07	0.010	1.44	3.09	9.26	0.36	0.005	0.76	0.670	56.5	10.5	0.06	0.005	0.83	0.014	0.008	0.022

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
85	17	18	ABAC 85018	28.1	25.9	0.08	0.06	0.012	1.39	3.12	8.95	0.33	0.006	0.57	0.520	57.5	11.5	0.05	0.006	0.84	0.014	0.012	0.026
85	18	19	ABAC 85019	26.1	24.8	0.08	0.06	0.012	2.05	3.00	8.62	0.35	0.008	0.54	0.460	58.4	12.4	0.05	0.006	0.92	0.011	0.017	0.034
85	19	20	ABAC 85020	51.1	24.8	0.07	0.11	0.007	2.59	2.47	8.60	0.57	0.006	0.26	0.390	58.4	12.4	0.02	0.006	0.87	0.016	0.014	0.028
85	20	21	ABAC 85021	69.6	20.7	0.04	0.19	0.010	3.15	2.37	7.33	0.87	0.007	0.42	0.580	60.6	14.6	0.03	0.007	0.94	0.015	0.015	0.030
85	21	22	ABAC 85022	67.5	20.8	0.04	0.20	0.009	5.47	2.53	8.09	0.94	0.015	0.60	0.680	57.9	11.9	0.07	0.007	0.91	0.014	0.028	0.031
85	22	23	ABAC 85023	63.1	22.1	0.06	0.17	0.010	5.09	2.68	7.77	0.86	0.021	0.41	0.550	58.2	12.2	0.04	0.007	0.94	0.015	0.023	0.031
85	23	24	ABAC 85024	41.6	22.8	0.07	0.13	0.010	3.87	2.82	7.78	0.67	0.011	0.37	0.400	59.2	13.2	0.03	0.007	1.00	0.019	0.016	0.036
85			Std 85024.9		23.1	<0.01	0.65	0.018	2.45	0.60	0.72	0.78	0.19	0.96	0.038	64.0	18.0	0.05	0.003	0.06	0.003	0.007	0.002
85	24	25	ABAC 85025	24.0	22.9	0.09	0.05	0.012	2.17	2.93	7.69	0.34	0.007	0.37	0.300	61.6	15.6	0.03	0.005	0.80	0.013	0.019	0.028
85	25	26	ABAC 85026	25.0	23.6	0.10	0.06	0.014	1.60	2.79	8.51	0.31	0.007	0.52	0.520	60.3	14.3	0.06	0.005	0.81	0.013	0.021	0.026
85	26	27	ABAC 85027	26.5	23.7	0.08	0.06	0.011	2.39	2.84	8.58	0.32	0.006	0.47	0.450	59.9	13.9	0.05	0.006	0.72	0.016	0.026	0.024
85	27	28	ABAC 85028	25.6	24.8	0.07	0.05	0.013	1.53	2.65	8.49	0.37	0.006	0.45	0.380	59.7	13.7	0.03	0.006	0.81	0.016	0.016	0.025
85	28	29	ABAC 85029	22.8	24.1	0.08	0.04	0.010	1.54	2.85	8.17	0.26	0.01	0.39	0.340	61.0	15.0	0.04	0.006	0.67	0.013	0.012	0.023
85	29	30	ABAC 85030	25.0	22.8	0.09	0.04	0.014	1.60	2.85	7.64	0.27	0.007	0.41	0.340	62.9	16.9	0.04	0.007	0.81	0.012	0.015	0.027
85	30	31	ABAC 85031	22.2	22.4	0.08	0.03	0.012	2.08	2.74	7.87	0.28	0.007	0.31	0.310	62.3	16.3	0.03	0.006	0.80	0.010	0.038	0.028
85	31	32	ABAC 85032	49.3	21.9	0.05	0.16	0.013	4.27	2.57	7.60	0.53	0.006	0.33	0.380	59.6	13.6	0.03	0.007	0.95	0.018	0.011	0.031
85	32	33	ABAC 85033	58.1	21.5	0.06	0.20	0.009	3.26	2.75	7.36	0.61	0.011	0.24	0.420	61.7	15.7	0.03	0.007	0.97	0.014	0.011	0.040
85	33	34	ABAC 85034	58.2	20.5	0.06	0.16	0.010	3.80	2.77	6.86	0.60	0.009	0.30	0.380	62.2	16.2	0.02	0.008	0.95	0.016	0.010	0.042
85	34	35	ABAC 85035	53.0	19.5	0.04	0.19	0.016	6.73	2.54	7.43	0.66	0.018	0.41	0.560	59.0	13.0	0.07	0.008	0.89	0.014	0.011	0.042
85	35	36	ABAC 85036	62.3	19.2	0.04	0.29	0.007	5.43	2.43	7.02	0.81	0.006	0.58	0.640	60.9	14.9	0.06	0.008	0.82	0.012	0.008	0.035
86	0	1	ABAC 86001	27.4	26.0	0.03	0.33	0.009	1.61	1.03	15.02	0.39	0.004	0.60	1.290	51.4	5.4	0.09	0.006	0.91	0.016	0.007	0.035
86	1	2	ABAC 86002	34.4	28.6	0.02	0.12	0.010	1.84	1.00	11.75	0.29	0.003	0.31	0.420	54.2	8.2	0.09	0.007	1.02	0.025	0.003	0.042
86	2	3	ABAC 86003	23.6	30.2	0.03	0.19	0.012	2.12	0.96	14.63	0.28	0.003	0.49	0.610	48.0	2.0	0.12	0.008	0.93	0.024	0.005	0.032
86	3	4	ABAC 86004	19.6	26.7	0.03	0.16	0.011	2.83	1.09	12.70	0.28	0.004	0.47	0.650	53.2	7.2	0.10	0.007	0.99	0.028	0.028	0.041
86	4	5	ABAC 86005	62.0	23.4	0.07	0.17	0.010	3.32	2.10	9.91	0.58	0.005	0.50	0.510	57.5	11.5	0.12	0.006	0.92	0.021	0.021	0.035
86	5	6	ABAC 86006	54.4	22.6	0.06	0.15	0.012	3.87	2.48	8.92	0.63	0.008	0.57	0.520	57.6	11.6	0.08	0.005	0.86	0.018	0.024	0.033
86	6	7	ABAC 86007	33.2	24.3	0.08	0.22	0.011	2.21	3.16	9.45	0.57	0.007	0.73	0.670	56.5	10.5	0.09	0.007	0.99	0.021	0.019	0.036
86	7	8	ABAC 86008	32.1	24.1	0.07	0.13	0.008	4.59	3.09	8.62	0.56	0.007	0.70	0.480	55.5	9.5	0.06	0.005	0.71	0.015	0.031	0.023
86			Std 86008.9		23.3	<0.01	0.66	0.015	2.45	0.60	0.82	0.78	0.19	0.93	0.041	64.1		0.05	0.002	0.06	0.005	0.007	0.006
86	8	9	ABAC 86009	22.5	26.4	0.07	0.09	0.010	3.07	3.07	9.60	0.56	0.008	0.83	0.570	53.9	7.9	0.06	0.005	0.84	0.018	0.029	0.024
86	9	10	ABAC 86010	27.8	24.9	0.08	0.08	0.023	2.27	3.19	8.73	0.49	0.011	0.61	0.440	57.1	11.1	0.05	0.005	0.91	0.016	0.022	0.029
86	10	11	ABAC 86011	28.9	25.0	0.08	0.07	0.013	1.81	3.15	8.91	0.44	0.007	0.39	0.420	57.8	11.8	0.06	0.005	0.86	0.017	0.044	0.031

Hole ABAC	From (m)	To (m)	Sample No	% Sample -20um	Al2O3 (%)	BaO (%)	CaO (%)	Cr2O3 (%)	Fe2O3 (%)	K2O (%)	LOI_1000 (%)	MgO (%)	MnO (%)	Na2O (%)	P2O5 (%)	SiO2 (%)	Free Qz (%)	SO3 (%)	SrO (%)	TiO2 (%)	V2O5 (%)	Zn((%)	ZrO2 (%)
86	11	12	ABAC 86012	28.3	24.6	0.09	0.07	0.010	1.53	3.27	8.55	0.38	0.005	0.29	0.360	59.6	13.6	0.04	0.005	0.70	0.015	0.025	0.023
86	12	13	ABAC 86013	34.2	25.7	0.07	0.09	0.012	2.15	3.22	8.94	0.43	0.01	0.52	0.460	56.8	10.8	0.05	0.005	0.76	0.017	0.029	0.025
86	13	14	ABAC 86014	36.7	26.5	0.07	0.10	0.009	1.60	2.97	9.20	0.46	0.005	0.63	0.490	56.4	10.4	0.06	0.005	0.82	0.018	0.017	0.027
86	13	14	Dup 86014.1	21.2	29.3	0.05	0.10	0.009	2.15	2.47	11.47	0.53	0.006	0.80	0.750	49.9	3.9	0.06	0.005	0.92	0.024	0.033	0.027
86	14	15	ABAC 86015	24.8	28.1	0.05	0.10	0.012	2.73	2.74	10.88	0.54	0.006	0.85	0.710	51.2	5.2	0.07	0.005	0.83	0.023	0.025	0.023
86	15	16	ABAC 86016	34.4	25.2	0.07	0.09	0.012	2.49	3.19	8.61	0.52	0.008	0.58	0.450	56.7	10.7	0.04	0.005	0.92	0.018	0.025	0.030
86	16	17	ABAC 86017	31.2	24.9	0.08	0.11	0.013	2.29	3.11	8.67	0.48	0.007	0.65	0.500	57.3	11.3	0.05	0.005	0.92	0.019	0.026	0.031
86	17	18	ABAC 86018	20.5	27.4	0.08	0.10	0.012	2.06	3.07	9.96	0.52	0.006	0.90	0.700	53.8	7.8	0.07	0.005	0.80	0.020	0.022	0.022
86	18	19	ABAC 86019	27.6	25.4	0.08	0.10	0.011	1.76	3.09	8.83	0.46	0.006	0.52	0.420	57.7	11.7	0.05	0.005	0.95	0.021	0.019	0.033
86	19	20	ABAC 86020	24.4	24.9	0.09	0.07	0.009	1.80	3.18	8.79	0.43	0.005	0.66	0.520	57.9	11.9	0.05	0.005	0.86	0.015	0.011	0.026
86	20	21	ABAC 86021	20.1	25.2	0.09	0.09	0.012	2.09	2.99	9.99	0.38	0.015	0.64	0.710	56.4	10.4	0.08	0.005	0.92	0.017	0.010	0.027
86	21	22	ABAC 86022	47.5	22.6	0.05	0.18	0.010	3.18	2.96	7.81	0.55	0.007	0.55	0.510	59.1	13.1	0.05	0.006	1.03	0.019	0.012	0.046
86	22	23	ABAC 86023	43.5	20.8	0.06	0.19	0.009	5.64	3.20	7.44	0.57	0.009	0.66	0.590	59.2	13.2	0.06	0.007	1.00	0.018	0.006	0.050
86	23	24	ABAC 86024	39.3	21.1	0.06	0.14	0.009	5.11	3.00	7.77	0.57	0.009	0.67	0.580	59.0	13.0	0.05	0.006	0.96	0.018	0.007	0.043
86	24	25	ABAC 86025	53.3	20.1	0.04	0.23	0.009	5.71	2.60	7.67	0.82	0.01	0.72	0.710	59.3	13.3	0.09	0.007	0.92	0.018	0.006	0.042
86	25	26	ABAC 86026	57.1	20.6	0.04	0.34	0.010	2.23	2.61	8.17	1.09	0.012	0.68	0.690	61.5	15.5	0.14	0.009	0.90	0.019	0.014	0.040
86	26	27	ABAC 86027	57.1	19.9	0.04	0.22	0.008	2.89	2.62	7.74	1.31	0.019	0.96	0.710	61.5	15.5	0.12	0.009	0.85	0.017	0.029	0.034

JORC TABLE

Section 1: Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	<i>Nature and quality of sampling. (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as downhole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</i> <i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i> <i>Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.</i>	The only sampling was from the Air Core Drilling. The sample was delivered directly from the rig to a cyclone. The total sample was bagged and split with an onsite riffle splitter. The drill sampling was completed at one metre intervals and split onsite using an 87.5:12.5 splitter (3 sets of riffles). The 87.5% fraction retention samples have been removed from the drill sites and stored in nearby sheds. The 12.5% fraction was further split with a 50:50 splitter to produce a 300gm sample for -20um screening and analyses by ALS. A further 100gm sample was also sent to ALS for mineralogy spectral analyses. The sample number incorporated the hole number and depth eg : Sample from hole ABAC 25 and 5-6m depth = ABAC 25006. All samples were bagged in plastic bags to reduce the loss of the very fine grained clay minerals.
Drilling techniques	<i>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</i>	An Air Core Drill Program consisting of 62 holes (ABAC 25-86) for 2389 metres was completed in November 2019. The drill contract was completed by Associated Exploration Drilling Pty Ltd using a truck-mounted AusRoc 4000 Multipurpose Rig with a 250/350 psi Air Compressor. The drill string consisted of 75mm (OSD) x 3 metre long rods with an 85mm diameter tungsten rotary bit. The clay was drilled using the Air Core Technique.

Criteria	JORC Code explanation	Commentary
		The short intervals of silcrete not penetrated by the rotary tungsten bit were drilled using a down-the-hole reverse circulation hammer bit.
Drill sample recovery	<i>Method of recording and assessing core and chip sample recoveries and results assessed.</i> <i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i> <i>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</i>	The 12.5% sample split was always within 350-500gm, comparable to the theoretical total weight of 3.3kg ie 420gm in the 12.5% split The compressor air pressure was turned down to 250psi to reduce the loss of the fines. However, a fraction of the super-fine clay was lost in the updraft from the cyclone.
Logging	<i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i> <i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i> <i>The total length and percentage of the relevant intersections logged.</i>	The drill chips/powder were graphically logged at 1:100 scale, noting the colour, the pearly sheen of kaolinite, the plasticity from admixed illite and smectite clays, quartz (sand and silt fraction), silcrete, and iron content as hematite and limonite/goethite) and later transferred to an Excel spreadsheet. The percentage of the minerals was estimated and the mineralogy from the Spectral Mineralogy Analyses was added. All samples from the drilling were logged.
Sub-sampling techniques and sample preparation	<i>If core, whether cut or sawn and whether quarter, half or all core taken.</i> <i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i> <i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i> <i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i>	The drill samples were consistently powder clay with quartz as sand and silt size fractions. The drilling was completed dry. The drill sampling was at one metre intervals and split onsite using an 87.5:12.5 splitter (3 sets of riffles). The 87.5% fraction retention samples have been removed from the drill sites and stored in nearby sheds. The 12.5% fraction was further split with a 50:50 splitter to produce a 300gm sample for -20um screening and analyses by ALS. A further 100gm sample was also sent to ALS for spectral analyses.

Criteria	JORC Code explanation	Commentary
	<i>Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.</i> <i>Whether sample sizes are appropriate to the grain size of the material being sampled</i>	The samples were dispatched in self seal plastic bags to reduce the loss of the fine clay fractions. The samples were screened to passing 20um by ALS after dispersing in water and agitated to ensure segregation of the clay and sand. The still is considerable quartz (up to 10%) as silt –clay fragments passing the -20um screen. Apart from ALS's QA/QC services the Company submitted a random duplicate sample from each hole along with a standard sample. (OREAS – 161) Remnants of the 12,5% split and the retention samples (the 87.5% split) are available for further evaluation and testing
Quality of assay data and laboratory tests	<i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i> <i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i> <i>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</i>	The spectral mineralogy samples being powder did not require any preparation. Individual samples were scanned in the SWIR (short wave infra-red – for clays) and VNIR (very near infra-red – for oxides and hydroxides) wavelengths by ALS Perth Laboratory using the HYP-PKG process and finally processed and interpreted using the aiSIRIS software at AusSpec International (INTERP11). The clay samples for analysis were weighed and screened before an XRF assay, The samples were dispersed in water and agitated into a suspension and screened collecting the -20um fraction for analysis. After drying the passing fraction was weighed and the percentage of the total sample was reported. The screening has been executed in Adelaide and the XRF-ME analyses completed in Perth. A Loss – On –Ignition (LOI) to ascertain the amount of hydroxyl water in the clay minerals was also completed. MSE has supplied a standard (OREAS 999) sample with each hole along with a duplicate of one sample in each hole. The reproducibility of the alumina and trace element values has been excellent. Several standards for the XRF and LOI analyses were also included by ALS. The reproducibility of these standards has been

Criteria	JORC Code explanation	Commentary
		satisfactory. As part of the resource evaluation, statistical studies will be completed on the range of standards and duplicate samples, giving more confidence in the analyses. A cursory evaluation of the repeatability is good with only minor variations in the -20u recoveries for the duplicate samples.
Verification of sampling and assaying	<i>The verification of significant intersections by either independent or alternative company personnel.</i>	N/A at this stage.
	<i>The use of twinned holes.</i>	N/A at this stage. Twining will be completed in a follow up drill program. Hole ABAC 25 of this program was drilled as close to CK3 as possible.
	<i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i>	The xls data from ALS are stored along with the csv and pdf files on computer and external hard disk. A further copy is stored on a Company Directors computer. These data have been entered into the xls database as separate files and added to the drill log and spectral mineralogy as a composite file.
	<i>Discuss any adjustment to assay data.</i>	N/A
Location of data points	<i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i>	The capped and filled holes were pegged with a 1m long wooden peg. The hole number was recorded on the peg. The holes were surveyed with a Garmin GPSmap 60CSx GPS.
	<i>Specification of the grid system used.</i>	Datum: MGA94 Zone:56J
	<i>Quality and adequacy of topographic control.</i>	The drill collars were surveyed with a Garmin GPSmap 60CSx instrument. The averaging mode was used until an accuracy of <2m was obtained. This process generally took 20-30 minutes to achieve the <2m accuracy.
Data spacing and distribution	<i>Data spacing for reporting of Exploration Results.</i>	Drill hole spacing was generally 100 metres on and between lines.
	<i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i>	The 100 metre drill spacing will be reviewed when all the geological and geochemical data has been plotted and any continuity assessed.

Criteria	JORC Code explanation	Commentary
	<i>Whether sample compositing has been applied.</i>	There has been no sample compositing. All samples were collected, assayed and reported on 1 metre interval samples.
Orientation of data in relation to geological structure	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i>	The geological nature of the clay zone is generally near flat lying with a strike length of +1 kilometre and a width of +500m. This drill program is not considered to be biased.
	<i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i>	This drill orientation is vertical across a near flat stratigraphy, so the drill orientation is at a high angle to the sediments.
Sample security	<i>The measures taken to ensure sample security.</i>	The Retention Samples were removed from the drill site and securely stored offsite in sheds. The samples for XRF and Spectral Mineralogy analyses were couriered from Monto to ALS Laboratory in Brisbane for trans-shipment to their Perth Laboratory (Spectral Mineralogy Analyses) and Adelaide Laboratory (Screen and XRF Analyses). Communications with the respective ALS staff were made to ensure the safe arrival of the samples.
Audits or reviews	<i>The results of any audits or reviews of sampling techniques and data.</i>	No audits or reviews of sampling techniques have been undertaken.

Section 2: Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<i>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</i>	The tenure for the Abercorn HPA Project consists of EPM's 26837, 26903 and 19081 (128 km ² tenement area), issued by the Queensland Government. The tenements are currently 100% owned by Abercorn Kaolin Pty Ltd.
	<i>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</i>	EPM 19081 is valid until 29/11/2022 EPM26837 is valid until 12/7/2023 EPM26903 is valid until 13/8/2023 EPM19081 was granted subject to the General Conditions Version 5 of the Mineral Resources Act 1989 and Version 2 of the Native Title Protection Conditions. EPM's 26837 and 26903 were granted subject to the conditions outlined in the Mineral Resources Act 1989 and the Minerals Resources Regulation 2013. Excluded from the area granted under EPM26837 are any current Mining Claim, Mineral Development Licence or Mining Lease, pursuant to Section 132 of the Mineral Resources Act 1989 and land subject to Native Title (i.e. Lot 062/YL1009 & Lot 061/YL495 & Lot 063/YL495 & Lot 080/YL952 & Lot 060/YL495 & Lot 082/YL952 & Lot 81/YL974 & Lot 18/A7662 & 3/A7662 Lot 17/A7662 & Lot 8/A7662 & Lot 58/A777662 & Lot 60/AP22955 & Lot 3/4/6/8/9/10/11/12/13/14/A7666 and Three Moon Creek) Excluded from the area granted under EPM26903 is land subject to Native Title (i.e. Lot 79/YL896 & Lot 57/SP273751). Upon application for renewal EPM's 26837 and 26903 will be required to be reduced by 40%. A variation application can be submitted to the Queensland Department of Natural Resources, Mines and Energy

Criteria	JORC Code explanation	Commentary
Exploration done by other parties	<i>Acknowledgment and appraisal of exploration by other parties.</i>	The Drilling Contract was assigned to Associated Exploration Drilling Pty Ltd.
Geology	<i>Deposit type, geological setting and style of mineralisation.</i>	The kaolin mineralisation, being investigated as having potential to be feedstock for a High Purity Alumina operation, occurs within white claystone and clayey sandstone, exposed in a railway cutting 2.5km north of the town of Cynthia in central Queensland. 24 RC drill holes were completed in 2007 and 62 AC drill holes in November 2019, investigating the kaolin occurrence. The kaolin occurs within a Tertiary claystone or argillite and fine grained sandstone deposited on, or as a regolith weathering or alteration of the underlying Precipice Sandstone of the Bundamba Group, of Upper Triassic – Lower Jurassic Age. The Tertiary argillite and Precipice Sandstone crop out throughout the Abercorn Project area, striking approximately NNW and with a gentle dip to the East. The Bundamba Group, within the project area, consists of three recognised formations: The Box Vale Sandstone – A light-coloured clayey sandstone at the top of the group, The Evergreen Shale – A light-coloured clay shale which includes an ironstone member, and The Precipice Sandstone – Forms the basal sediments of the Bundamba Group in this area. To the east in the valley of the Burnett River, the Bundamba Group is overlain by the Jurassic Mulgildie Coal Measures.

Criteria	JORC Code explanation	Commentary						
Drill hole Information	A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: easting and northing of the drill hole collar elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar dip and azimuth of the hole down hole length and interception depth hole length.	Drill Summary Data is Tabulated:						
		MGA 94						
		Drill Hole	Zone	Easting	Northing	RL	Inclination	Hole Depth
		ABAC		m	m	m	Degree	m
		25	56 J	309434	7211017	286	90	25
		26	56 J	309558	7210893	268	90	37
		27	56 J	309538	7210983	277	90	32
		28	56 J	309418	7211100	278	90	23
		29	56 J	309269	7211099	289	90	39
		30	56 J	309949	7213742	233	90	36
		31	56 J	310024	7214040	232	90	30
		32	56 J	309958	7213926	231	90	30
		33	56 J	310207	7214024	226	90	42
		34	56 J	310166	7213929	236	90	42
		35	56 J	310083	7213827	231	90	39
		36	56 J	310412	7214020	236	90	39
		37	56 J	310300	7213962	236	90	39
		38	56 J	310283	7213845	234	90	51
		39	56 J	310270	7213745	243	90	48
		40	56 J	310288	7213650	240	90	45
		41	56 J	310284	7213550	245	90	48
		42	56 J	310376	7213403	238	90	45
		43	56 J	310374	7213325	235	90	45
		44	56 J	310437	7213167	255	90	48
		45	56 J	310561	7213211	246	90	39
		46	56 J	310329	7213195	251	90	45
		47	56 J	310268	7213093	249	90	45
		48	56 J	310329	7213032	258	90	48

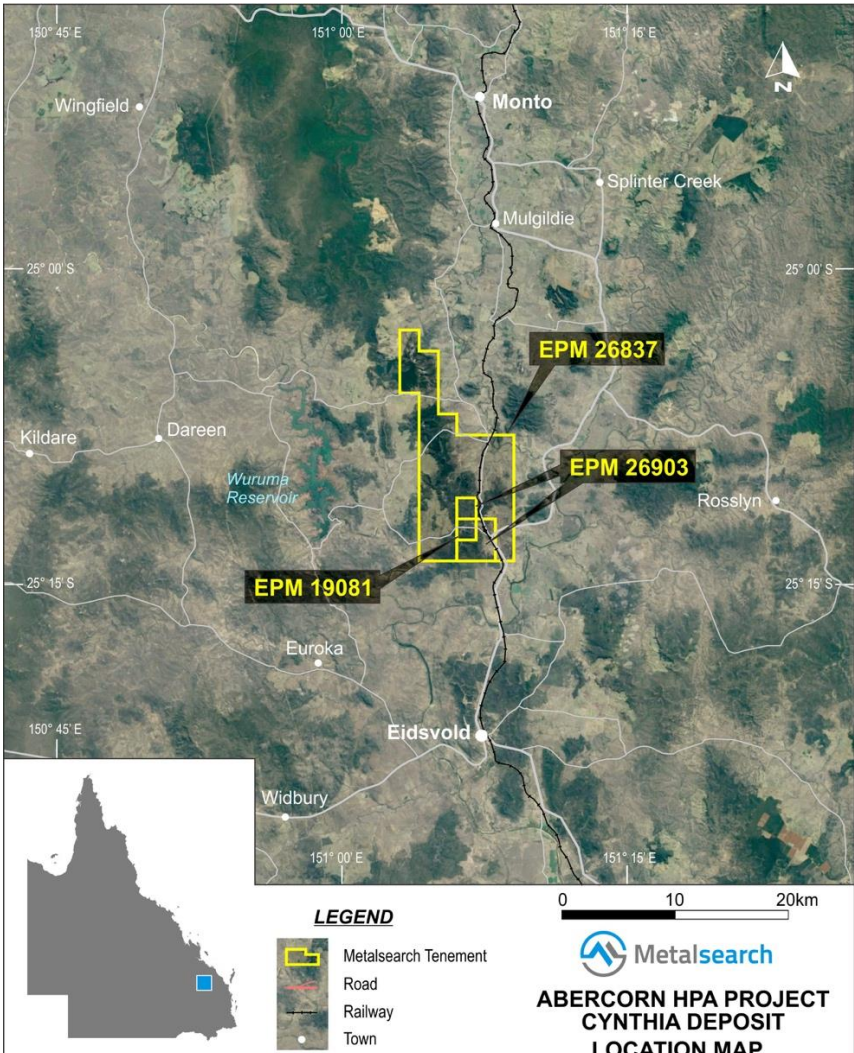
Criteria	JORC Code explanation	Commentary						
		49	56 J	310165	7213013	259	90	48
		50	56 J	310057	7213124	266	90	48
		51	56 J	310138	7213228	261	90	48
		52	56 J	309979	7213303	251	90	51
		53	56 J	310077	7213572	238	90	48
		54	56 J	309915	7213424	238	90	42
		55	56 J	309929	7213566	235	90	42
		56	56 J	310055	7213662	260	90	42
		57	56 J	310399	7213822	237	90	42
		58	56 J	310388	7213730	233	90	42
		59	56 J	310418	7213593	232	90	39
		60	56 J	310455	7213505	237	90	24
		61	56 J	310531	7213424	238	90	30
		62	56 J	310774	7213010	250	90	39
		63	56 J	310449	7212907	263	90	45
		64	56 J	310334	7212821	246	90	35
		65	56 J	310259	7212758	256	90	41
		66	56 J	310245	7212921	279	90	40
		67	56 J	310100	7212849	270	90	48
		68	56 J	310050	7212926	274	90	42
		69	56 J	310051	7212716	260	90	19
		70	56 J	310050	7212574	255	90	16
		71	56 J	310148	7212432	248	90	33
		72	56 J	310138	7212648	253	90	48
		73	56 J	310276	7212525	247	90	48
		74	56 J	310330	7212429	254	90	33
		75	56 J	310424	7212343	249	90	36
		76	56 J	310548	7212385	248	90	27

Criteria	JORC Code explanation	Commentary						
		77	56 J	310429	7212532	246	90	27
		78	56 J	310354	7212617	240	90	27
		79	56 J	310435	7212714	252	90	27
		80	56 J	310662	7212923	253	90	45
		81	56 J	310554	7213041	248	90	42
		82	56 J	310057	7212286	247	90	48
		83	56 J	310175	7212202	245	90	24
		84	56 J	310263	7212314	255	90	30
		85	56 J	310341	7212227	242	90	36
		86	56 J	310559	7212220	213	90	27
		The drill hole data of the previous 2007 drilling will be used along with the current drill data above.						
		MGA 94						
		Drill Hole	Zone	Easting	Northing	RL	Inclination	Hole Depth
		CK		m	m	m	Degree	m
		1	56 J	311084	7209515	213	90	42
		2	56 J	307821	7210351	283	90	24
		3	56 J	309439	7211012	310	90	30
		4	56 J	310359	7212520	265	90	30
		5	56 J	310730	7213154	255	90	18
		6	56 J	310460	7213326	258	90	36
		7	56 J	310207	7212976	267	90	36
		8	56 J	310148	7213440	259	90	51
		9	56 J	309808	7214439	273	90	24
		10	56 J	309939	7214931	265	90	27
		11	56 J	309445	7214518	288	90	30
		12	56 J	310207	7213689	252	90	39

Criteria	JORC Code explanation	Commentary																																																																																				
		<table><tr><td>13</td><td>56 J</td><td>309953</td><td>7213195</td><td>266</td><td>90</td><td>39</td></tr><tr><td>14</td><td>56 J</td><td>310538</td><td>7212844</td><td>235</td><td>90</td><td>39</td></tr><tr><td>15</td><td>56 J</td><td>311390</td><td>7213293</td><td>281</td><td>90</td><td>24</td></tr><tr><td>16</td><td>56 J</td><td>311336</td><td>7212932</td><td>282</td><td>90</td><td>21</td></tr><tr><td>17</td><td>56 J</td><td>312480</td><td>7213472</td><td>263</td><td>90</td><td>42</td></tr><tr><td>18</td><td>56 J</td><td>310287</td><td>7213435</td><td>245</td><td>90</td><td>48</td></tr><tr><td>19</td><td>56 J</td><td>310215</td><td>7213366</td><td>252</td><td>90</td><td>54</td></tr><tr><td>20</td><td>56 J</td><td>310241</td><td>7213272</td><td>255</td><td>90</td><td>48</td></tr><tr><td>21</td><td>56 J</td><td>310044</td><td>7213444</td><td>241</td><td>90</td><td>41</td></tr><tr><td>22</td><td>56 J</td><td>310610</td><td>7212844</td><td>254</td><td>90</td><td>23</td></tr><tr><td>23</td><td>56 J</td><td>310495</td><td>7212768</td><td>253</td><td>90</td><td>18</td></tr><tr><td>24</td><td>56 J</td><td>310454</td><td>7212823</td><td>260</td><td>90</td><td>30</td></tr></table> The ALS XRF-MS data are appended within the main report.	13	56 J	309953	7213195	266	90	39	14	56 J	310538	7212844	235	90	39	15	56 J	311390	7213293	281	90	24	16	56 J	311336	7212932	282	90	21	17	56 J	312480	7213472	263	90	42	18	56 J	310287	7213435	245	90	48	19	56 J	310215	7213366	252	90	54	20	56 J	310241	7213272	255	90	48	21	56 J	310044	7213444	241	90	41	22	56 J	310610	7212844	254	90	23	23	56 J	310495	7212768	253	90	18	24	56 J	310454	7212823	260	90	30
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	<i>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</i>	This information has not been excluded.																																																																																				

Criteria	JORC Code explanation	Commentary
Data aggregation methods	<i>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.</i>	No weighting or cut off grades have been applied at this stage.
	<i>Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</i>	N/A
	<i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i>	N/A

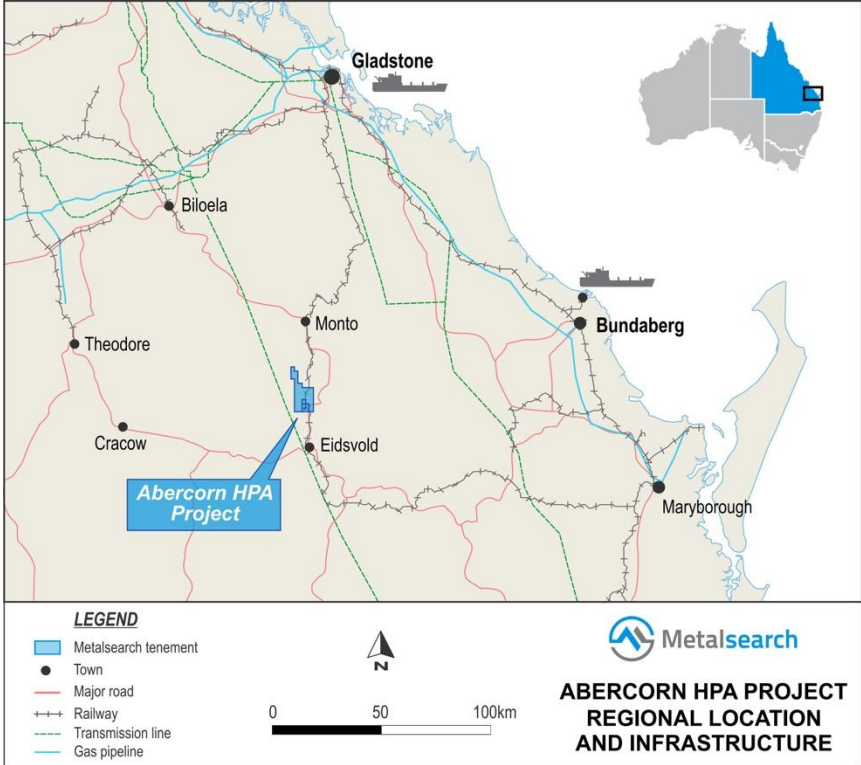
Criteria	JORC Code explanation	Commentary
Relationship between mineralisation widths and intercept lengths	<i>If the geometry of the mineralisation with respect to the drill-hole angle is known, its nature should be reported.</i>	The geological strata is flat lying to shallow dipping and therefore the vertical RC drill holes from 2007 and the later 2019 Air Core Drilling intersected the kaolin mineralisation at a high angle.
	<i>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').</i>	N/A
Diagrams	<i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</i>	

Criteria	JORC Code explanation	Commentary
		 LEGEND - Metalsearch Tenement - Road - Railway - Town ABERCORN HPA PROJECT CYNTHIA DEPOSIT LOCATION MAP

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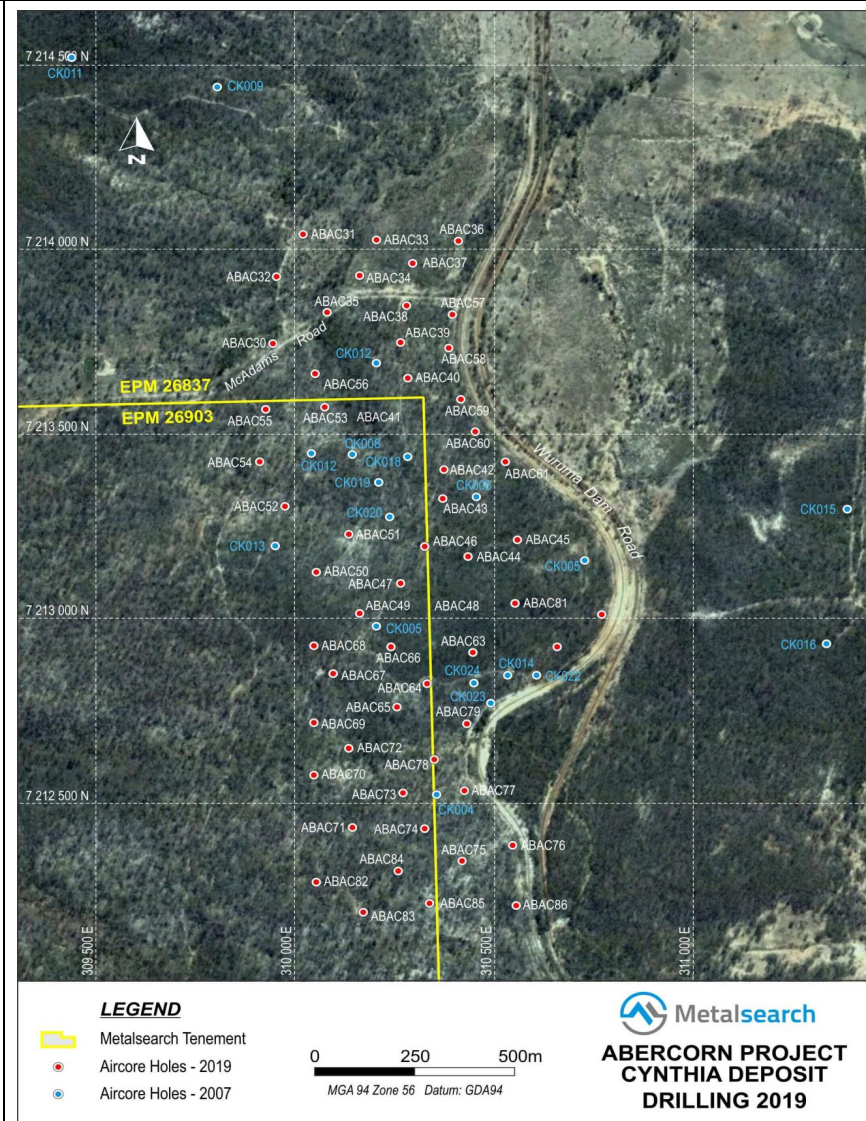
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Criteria	JORC Code explanation	Commentary
		 LEGEND - Metalsearch tenement - Town - Major road - Railway - Transmission line - Gas pipeline ABERCORN HPA PROJECT REGIONAL LOCATION AND INFRASTRUCTURE

Criteria	JORC Code explanation	Commentary
Balanced reporting	<i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</i>	Geochemistry of all the drillholes is appended to the report.
Other substantive exploration data	<i>Other exploration data, if meaningful and material, should be reported) including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i>	No other meaningful exploration data exists to the knowledge of the competent person completing this JORC Table.
Further work	<i>The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).</i>	Now the full drill hole geochemistry is available a resource evaluation will be completed using Datamine software. Subsequently these data will be tested with further drilling inside and external to the resource, testing the continuity of the resource and the potential for extensions of the resource.

Criteria	JORC Code explanation	Commentary
	<i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i>	 LEGEND  Metalsearch Tenement  Aircore Holes - 2019  Aircore Holes - 2007 0 1 2 3km ABERCORN PROJECT CYNTHIA DEPOSIT DRILLING 2019



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Criteria	JORC Code explanation	Commentary
		 LEGEND - Metalsearch Tenement - Aircore Holes - 2019 - Aircore Holes - 2007 0 100 200m MGA 94 Zone 56 Datum: GDA94 ABERCORN PROJECT CYNTHIA DEPOSIT DRILLING 2019

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