ASX ANNOUNCEMENT

ASX: ALY

9 December 2025

HEAD OFFICE

Alchemy Resources Ltd
Unit 9 / 50 Oxford Close
West Leederville, WA 6007

PO Box 8415
Perth 6000

T: 08 9481-4400
E: info@alchemyresources.com.au
W: www.alchemyresources.com.au

ABN: 17 124 444 122

Drilling returns extensive high grade iron ore hits at Valley Bore

HIGHLIGHTS

- First assay results received from the maiden RC drill program at the Southern Ridge target at Valley Bore in Western Australia.
- The program was designed to test the depth extent of extensive high grade surface iron ore mineralisation across the Southern Ridge Prospect area[1].
- Best intercepts included (see Table 1 for a full list):
  - **VBRC002: 5m @ 60.1% Fe (61.6% Fe Calcined) from 52m**
  - **VBRC002: 8m @ 61.7% Fe (63.5% Fe Calcined) from 74m**
  - **VBRC003: 20m @ 62.9% Fe (64.8% Fe Calcined) from 14m**
    Incl. 16m @ 64.3% Fe (66.2% Fe Calcined) from 15m
  - **VBRC010: 22m @ 60.8% Fe (63.3% Fe Calcined) from 5m**
    Incl. 13m @ 61.9% Fe (63.7% Fe Calcined) from 13m
  - **VBRC011: 8m @ 60.1% Fe (62.4% Fe Calcined) from 4m**
  - **VBRC012: 17m @ 59.8% Fe (62.1% Fe Calcined) from 36m**
    Incl. 8m @ 61.2% Fe (63.3% Fe Calcined) from 45m
  - **VBRC014: 35m @ 60.1% Fe (61.6% Fe Calcined) from 42m**
    Incl. 7m @ 64.4% Fe (65.3% Fe Calcined) from 64m
  - **VBRC015: 35m @ 58.8% Fe (60.4% Fe Calcined) from 8m**
    Incl. 8m @60% Fe (61.5% Fe Calcined) from 19m
    Incl. 7m @ 60.6% Fe (62.2% Fe Calcined) from 35m
    Incl. 11m @ 61% Fe (62.4% Fe Calcined) from 47m
- Assays pending for six holes with results anticipated mid-December 2025.
- In October 2025, Alchemy executed a binding option agreement with Newcam Minerals Pty Ltd over the Bryah Iron Ore projects including Valley Bore[2].

Alchemy Resources Limited (ASX: ALY) ("Alchemy" or "the Company") is pleased to provide assay results from reverse circulation ("RC") drilling at the Company's Valley Bore Iron Ore Project ("Project") in Western Australia. The drill program focussed on drilling the main high grade surface expressions at the Southern Ridge target as a first pass assessment. The program comprised 15 drillholes for a total of 1,027m of drilling. Valley Bore is located close to the Great Northern Highway, a sealed road providing access to ports at Geraldton and Port Hedland.

[1] Refer to ALY ASX Announcement Dated 31 May 2024 - Exceptional High Grade Iron Ore at Valley Bore

[2] Refer to ALY ASX Announcement 16 October 2025 – Alchemy executes binding Option Agreement on Bryah Iron Ore

Chief Executive Officer Mr James Wilson commented: *"We are extremely pleased with the exceptional high-grade assay results returned from Valley Bore. The drilling has delivered substantial widths of very high-grade iron ore, reinforcing the strength of the mineralised system and validating our technical approach. Importantly, the Project sits on a granted Mining Lease, offering a clear and potentially accelerated pathway to development should the economic case continue to build. These results represent a significant step forward for the Project, and we are already preparing for the next phase of work. The opportunity is even more compelling given our recently executed heads of agreement option with Newcam Minerals Pty Ltd ("Newcam"), which not only strengthens our strategic partnership but also opens the door to potential logistics and transport solutions critical for commercialisation. Newcam is an iron ore producer with secure port facilities which is currently mining iron ore from its Mt Gould operations nearby. We look forward to progressing the next steps with Newcam as we advance this promising Project."*

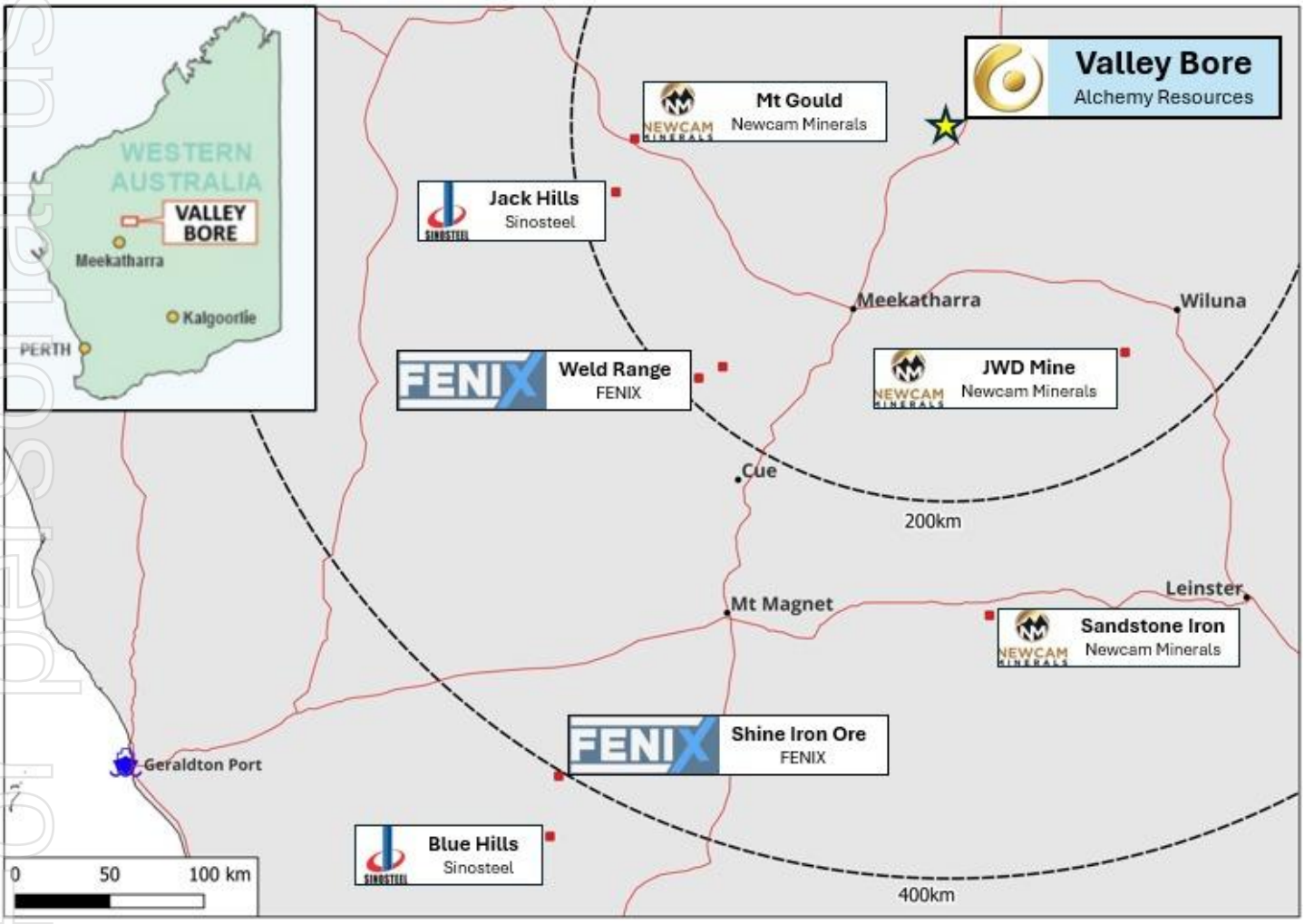

Figure 1: Valley Bore Project location

VALLEY BORE DRILL PROGRAM (ALY 100%)

Drilling focussed on thick outcropping hematite exposures on the Southern Ridge target area of the Valley Bore Project, marking the first drilling program conducted at Valley Bore.

The area is dominated by laterally extensive hematite units, several banded iron formations ("BIFs") and banded chert units. The massive hematite unit can be followed along strike for over 800m and ranges from 10m to 100m wide (Figure 2) at surface. High grade rock chip assays taken in 2024 returned up to 65.3% Fe[1]. The total strike length of multiple mapped BIF ridges exceeds 2,000m, with multiple regional areas identified which could extend this further in future exploration programs.

A summary of the drill results received to date is shown below over the Southern Ridge outcrop mapping.

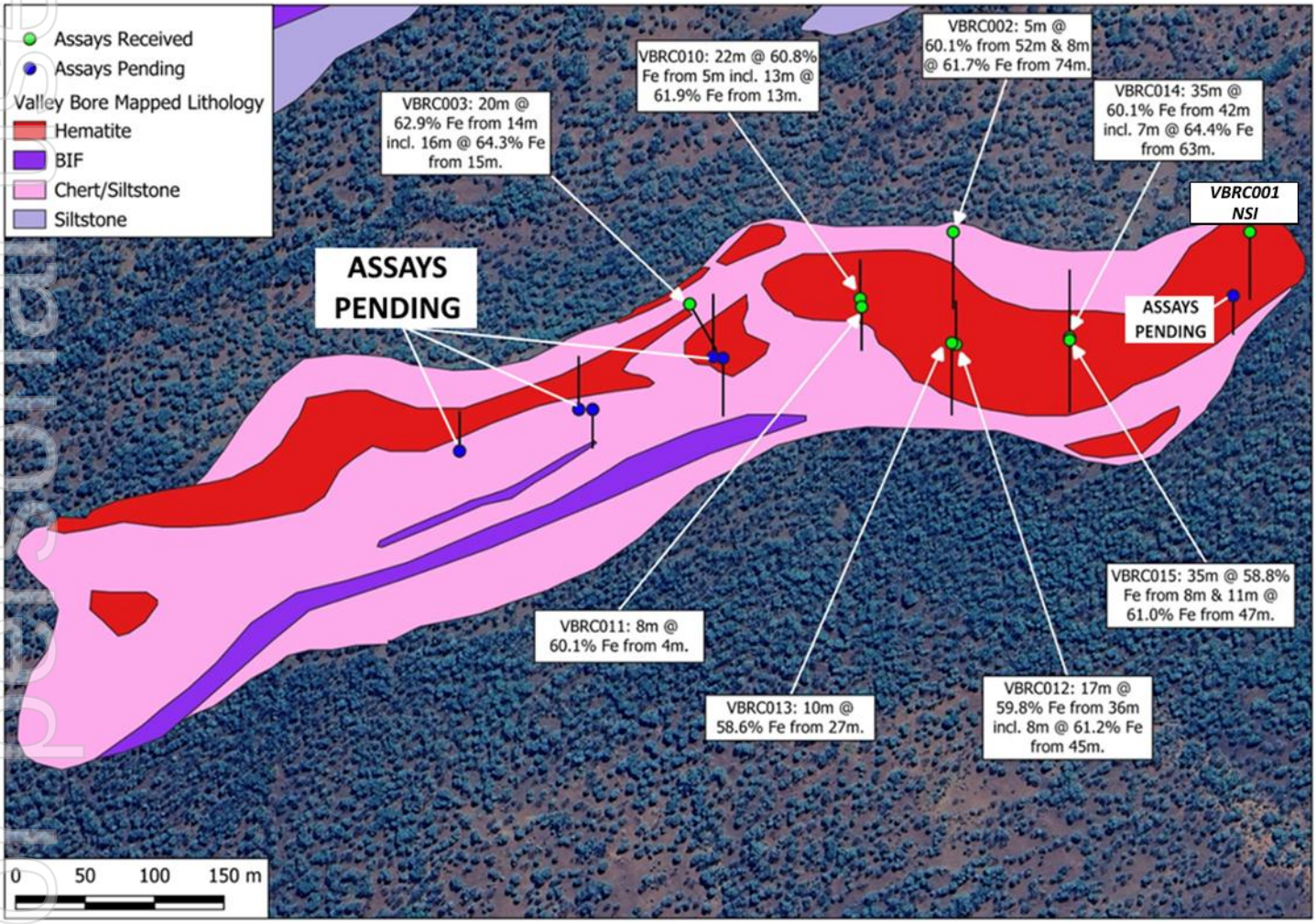

Figure 2: Southern Ridge prospect showing results from the recent RC drill program

Hole_ID	Easting	Northing	RL	Azi	Dip	Max Depth	From (m)	To (m)	Width	Fe %	Calcined Fe%	SiO2 %	Al2O3 %	P %	LOI1000 %
VBRC001	700704	7154188	600	180	-55	84				NSI					
VBRC002	700490	7154188	622	180	-55	96	52	57	5	**60.1**	**61.6**	6.64	4.11	0.07	2.41
							74	82	8	**61.7**	**63.5**	6.52	2.61	0.06	2.82
VBRC003	700300	7154136	608	150	-55	66	14	34	20	**62.9**	**64.8**	5.23	2.41	0.03	2.9
						Incl	15	31	16	**64.3**	**66.2**	3.26	2.19	0.03	2.91
							41	45	4	**58**	**59.7**	11.5	3.21	0.05	2.77
VBRC004	700134	7154030	616	0	-55	49	*Assays Pending*								
VBRC006	700220	7154060	617	0	-55	66	*Assays Pending*								
VBRC007	700230	7154060	617	180	-55	48	*Assays Pending*								
VBRC008	700317	7154098	617	0	-55	78	*Assays Pending*								
VBRC009	700324	7154097	618	180	-55	72	*Assays Pending*								
VBRC010	700423	7154140	625	0	-55	48	5	27	22	**60.8**	**63.3**	5.6	3.75	0.04	3.94
						Incl	13	26	13	**61.9**	**63.7**	5.65	3.32	0.05	2.9
VBRC011	700424	7154134	618	180	-55	54	4	12	8	**60.1**	**62.4**	6.79	3.99	0.02	3.71
VBRC012	700490	7154107	616	0	-55	54	36	53	17	**59.8**	**62.1**	5.91	4.44	0.05	3.7
						Incl	45	53	8	**61.2**	**63.3**	5.3	3.3	0.05	3.38
VBRC013	700489	7154108	620	180	-55	90	27	37	10	**58.6**	**60.2**	8.89	5.31	0.02	2.69
VBRC014	700574	7154112	622	0	-55	84	42	77	35	**60.1**	**61.6**	6.19	4.71	0.04	2.43
						Incl	64	71	7	**64.4**	**65.3**	4	2.74	0.02	1.37
VBRC015	700574	7154110	622	180	-55	90	8	43	35	**58.8**	**60.4**	7.34	5.79	0.03	2.7
						Incl	19	27	8	**60**	**61.5**	6.72	5.24	0.02	2.41
						Incl	35	42	7	**60.6**	**62.2**	5.68	4.86	0.04	2.51
							47	58	11	**61**	**62.4**	5.2	4	0.04	2.26
VBRC016	700692	7154142	607	180	-55	48	*Assays Pending*								

Table 1: Valley Bore drillhole intercepts summary - Intercepts based on a lower cutoff of 57% Fe, no more than 2m of internal dilution and a minimum intercept of 4m. (All assay results are shown in Appendix 2)

NOTES:

All elements and compounds analysed by multi-element XRF techniques for a standard Iron Ore suite of elements and compounds.

Loss on Ignition ("LOI") analysed by Thermogravimetric Analyser.

*Calcined calculated as %Fe / (1-%LOI 1000)*100. Fe % Values and Calcined Fe grades greater than 57% Fe shown in bold.*

NSI = No Significant Intercept.

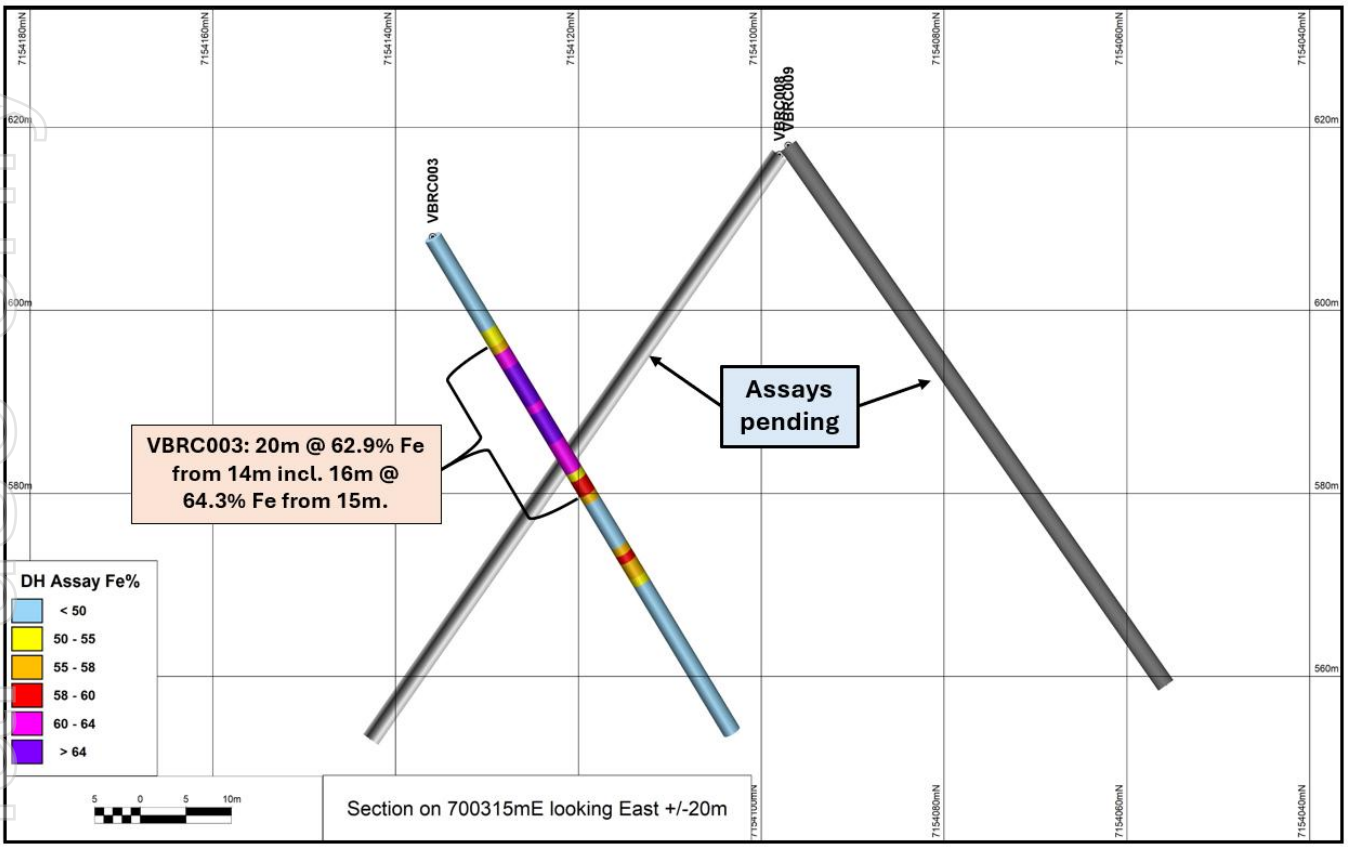

Figure 3: Section 700315mE looking east

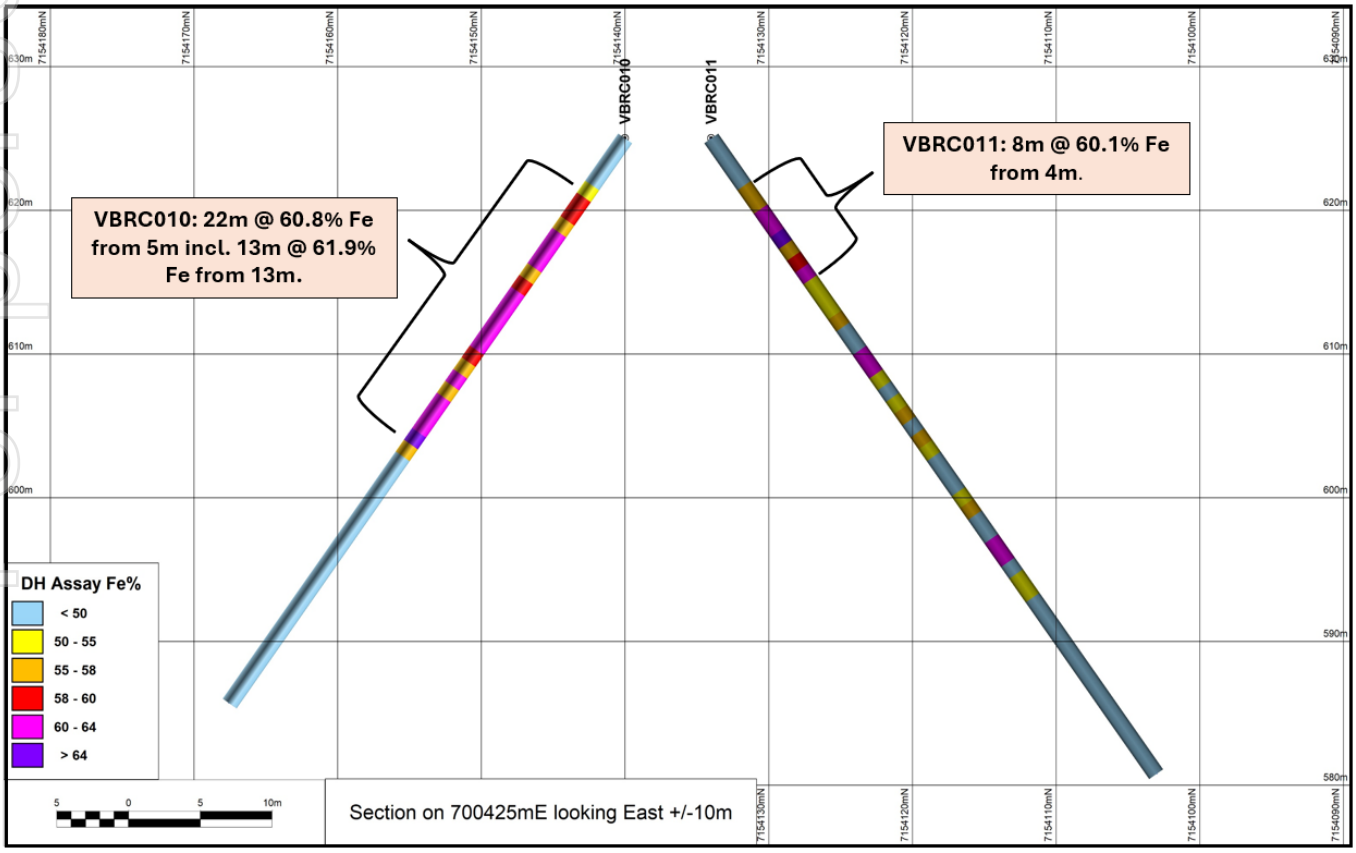

Figure 4: Section 700425mE looking east

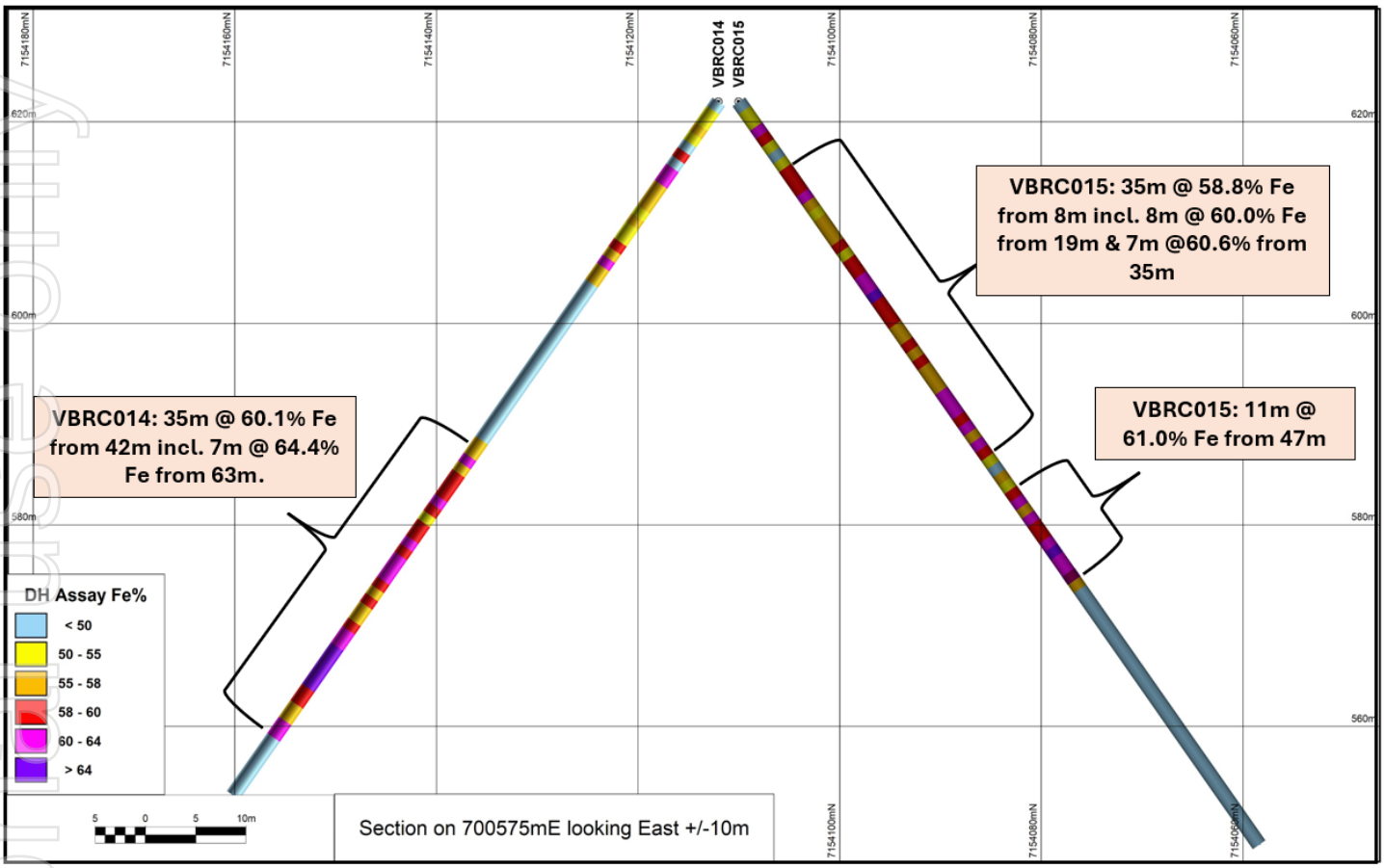

Figure 5: Section 700575mE looking east

HOLE ID	Prospect Name	MGA GRID ID	Easting (m)	Northing (m)	RL (m)	Azimuth Deg	Dip Deg	Hole Depth (m)	Hole Type
VBRC001	Valley Bore	MGA94_50	700704	7154188	600	180	-55	84	RC
VBRC002	Valley Bore	MGA94_50	700490	7154188	622	180	-55	96	RC
VBRC003	Valley Bore	MGA94_50	700300	7154136	608	150	-55	66	RC
VBRC004	Valley Bore	MGA94_50	700134	7154030	616	0	-55	49	RC
VBRC006	Valley Bore	MGA94_50	700220	7154060	617	0	-55	66	RC
VBRC007	Valley Bore	MGA94_50	700230	7154060	617	180	-55	48	RC
VBRC008	Valley Bore	MGA94_50	700317	7154098	617	0	-55	78	RC
VBRC009	Valley Bore	MGA94_50	700324	7154097	618	180	-55	72	RC
VBRC010	Valley Bore	MGA94_50	700423	7154140	625	0	-55	48	RC
VBRC011	Valley Bore	MGA94_50	700424	7154134	618	180	-55	54	RC
VBRC012	Valley Bore	MGA94_50	700490	7154107	616	0	-55	54	RC
VBRC013	Valley Bore	MGA94_50	700489	7154108	620	180	-55	90	RC
VBRC014	Valley Bore	MGA94_50	700574	7154112	622	0	-55	84	RC
VBRC015	Valley Bore	MGA94_50	700574	7154110	622	180	-55	90	RC
VBRC016	Valley Bore	MGA94_50	700692	7154142	607	180	-55	48	RC

Table 2: Valley Bore RC drillhole collars

NEWCAM HEADS OF AGREEMENT – KEY TERMS[2]

In October 2025, Alchemy executed a binding option agreement with Newcam over the Bryah Iron Ore projects including Valley Bore. The terms of the deal are outlined below:

- ✓ Newcam to subscribe for 10,000,000 ordinary fully paid shares in the Company at an issue price of $0.025 per Share and to pay a $500,000 fee for 6 months option (**complete – see ASX announcement 29 October 2025**).
- Upon Newcam exercising its option, Newcam and Alchemy will enter into a formal joint venture ("JV") agreement. Newcam must purchase the sale interest for an additional $500,000 and will be transferred a 60% interest in tenements M52/844-I, E52/4090, E52/4088 and P52/1686.
- Newcam may exercise the option at any time within 5 days of the satisfaction or waiver of the exercise conditions.
- Upon exercise of the option, Newcam will become manager of the JV.
- As soon as practicable after the date of execution, Newcam will commence preparation of Mining Lease applications over the sale area.
- Alchemy to plan for an exploration program in respect to the tenements during the option period (**includes the RC drilling program discussed in this announcement**).
- Upon Newcam acquiring its 60% interest, Alchemy will have a 40% interest on the Project area, free carried until a Decision to Mine.
- If a Feasibility Study is not completed within 5 years of the date of exercise of the option Newcam will be deemed to have withdrawn from the JV.
- If Alchemy's interest falls below 5%, its interest will revert to a 3% gross revenue royalty.

PREVIOUS WORK AT VALLEY BORE[1]

In May 2024, Alchemy geologists conducted a reconnaissance mapping and sampling trip to the Valley Bore Project. Twenty (20) rock chip samples were collected from the BIF outcrops within the Valley Bore Project on M52/844-I. This area is dominated by two distinct northeast trending ridges comprised of BIF, banded chert, siltstone, haematitic shales, and massive hematite lenses.

Northern Ridge Target:

The northern ridge in the Valley Bore area is characterised by numerous banded iron and banded chert formations which outcrop for approximately 1.5km along strike. Hematite and goethite rich units of BIF are observed. These lenses are between 5 and 15 metres thick and are interpreted to extend along strike to the southwest, with historic sampling of hematite outcrop returning grades up to 61.91% Fe.

Southern Ridge Target:

The southern ridge of the Valley Bore area is dominated by laterally extensive hematite units, several BIFs and banded chert units (Figure 7). The massive hematite unit can be followed along strike for over 800 metres in strike and ranges from 10m to 100m wide. High grade rock chip assays were received, including up to 65.3% Fe.

Old Highway Target:

The Old Highway target lies in the south-east corner of tenement E52/1582 (Figure 6). The area is dominated by a long, northeast trending ridge consisting of inter-bedded siltstone, banded chert, and minor BIFs. Iron enrichment and hematite lenses are observed within the BIFs and on the eastern end of the ridge. High grade iron ore enrichment is related to hematite within a fold hinge on the eastern side of the prospect. Previous sampling returned grades within the high-grade hematite zone up to 64.09% Fe.

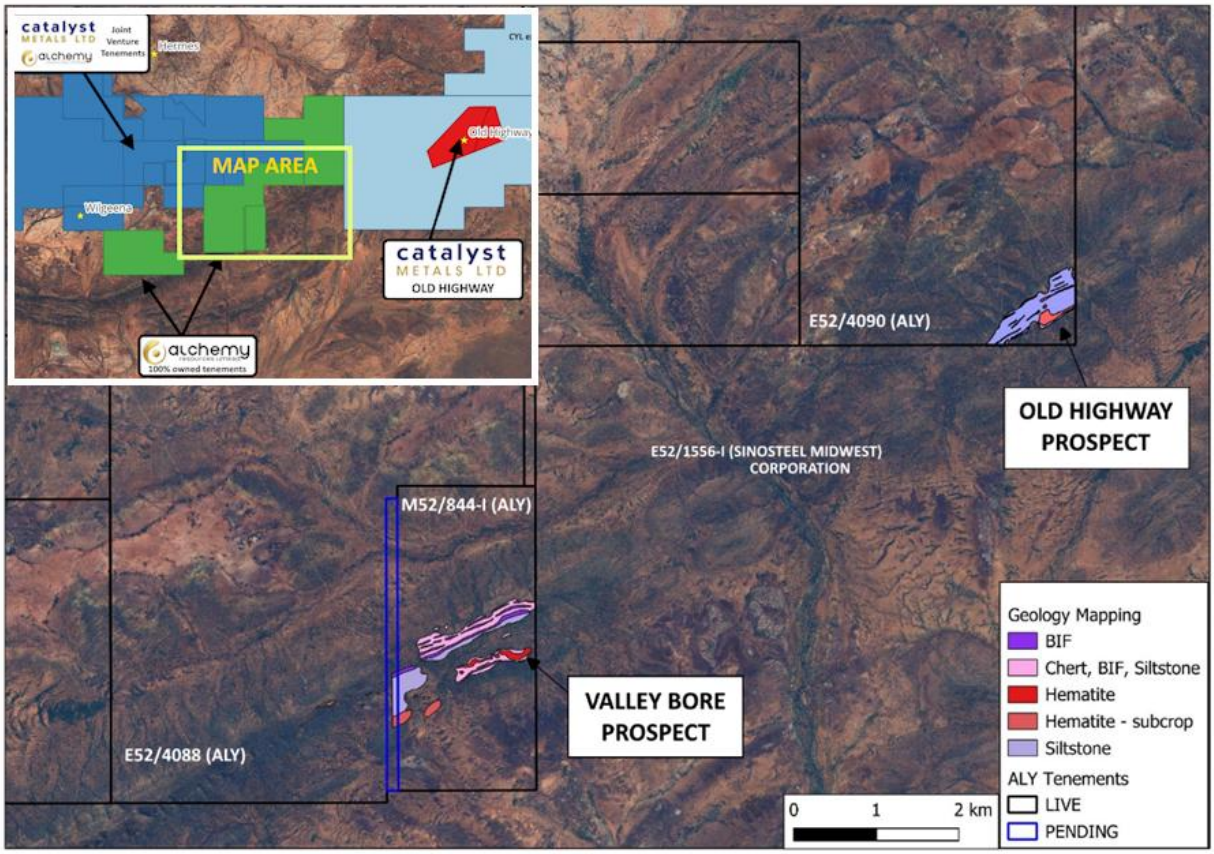

Figure 6: Valley Bore and Old Highway prospect location

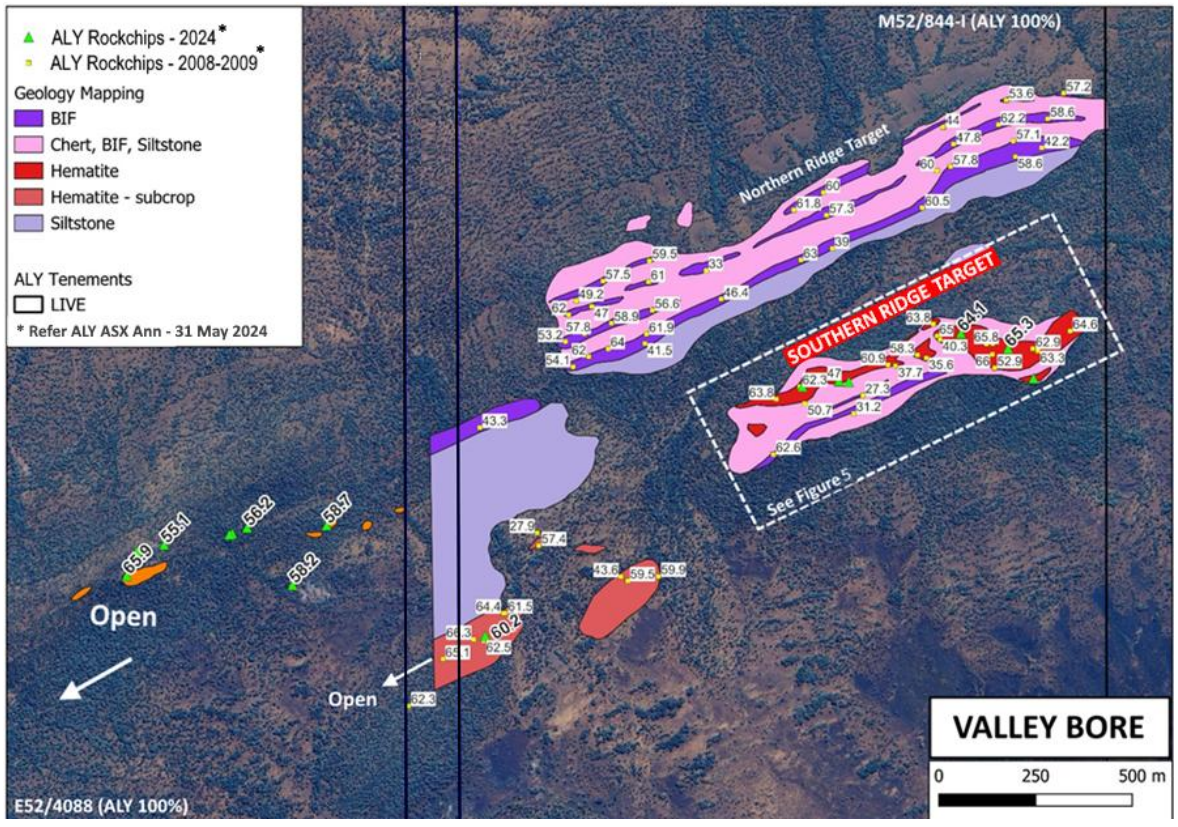

Figure 7: Valley Bore mapping with recent and previous rock chip results (% Fe)[1]

ANALYSIS AND NEXT STEPS

- High grade mineralisation extends from surface to a vertical depth of at least ~50m.
- Drill results demonstrate mineralisation persists and retains a high-grade profile at depth.
- Mineralisation remains open, both along strike from recent drilling and at depth.
- Further drilling required to accurately assess the orientation of the mineralisation and test for extensions along strike.

ABOUT ALCHEMY RESOURCES

Alchemy Resources Limited (ASX: ALY; "Alchemy" or the "Company") is an Australian exploration company focused on growth through the discovery and development of gold, base metal and battery metals within Australia. Alchemy has built a significant land package in the Carosue Dam - Karonie greenstone belt in the Eastern Goldfields region, in Western Australia and has an 80% interest in the Lachlan/Cobar Basin Projects in New South Wales. Alchemy also has an interest in the Bryah Basin Project in the gold, iron ore and base metal-rich Gascoyne region of Western Australia, where Catalyst Metals (ASX: CYL) is continuing to advance gold exploration.

This announcement has been approved for release by the Board.

For further information please contact:

James Wilson
Chief Executive Officer
E: james@alchemyresources.com.au
P: 08 9481-4400

COMPETENT PERSON STATEMENT

The information in this report that relates to Exploration Results is based on information compiled by Mr James Wilson, who is the Chief Executive Officer of Alchemy Resources Limited and holds shares and options in the Company. Mr Wilson is a Member of the Australian Institute of Geoscientists and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' ('JORC Code 2012'). Mr Wilson consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

The Company confirms that it is not aware of any other information or data that materially affects the information included in the market announcements referred to in the footnotes of this release and that all material assumptions and technical parameters underpinning the estimates of mineral resources referenced in the market announcement continue to apply and have not materially changed.

Forward looking statements This announcement contains "forward-looking statements", including statements about the scheduling of exploration and drilling programs. All statements other than those of historical facts included in this announcement, are forward-looking statements. Forward-looking statements are subject to risks, uncertainties, and other factors, which could cause actual events or results to differ materially from future events or results expressed, projected or implied by such forward-looking statements. The Company does not undertake to release publicly any revisions to any "forward-looking statement" to reflect events or circumstances after the date of this announcement, or to reflect the occurrence of unanticipated events, except as may be required under applicable securities laws.

APPENDIX 1

Valley Bore Iron Ore Project – Reverse Circulation (RC) drill hole details.

HOLE ID	Prospect Name	MGA GRID ID	Easting (m)	Northing (m)	RL (m)	Azimuth Deg	Dip Deg	Hole Depth (m)	Hole Type
VBRC001	Valley Bore	MGA94_50	700704	7154188	600	180	-55	84	RC
VBRC002	Valley Bore	MGA94_50	700490	7154188	622	180	-55	96	RC
VBRC003	Valley Bore	MGA94_50	700300	7154136	608	150	-55	66	RC
VBRC004	Valley Bore	MGA94_50	700134	7154030	616	0	-55	49	RC
VBRC006	Valley Bore	MGA94_50	700220	7154060	617	0	-55	66	RC
VBRC007	Valley Bore	MGA94_50	700230	7154060	617	180	-55	48	RC
VBRC008	Valley Bore	MGA94_50	700317	7154098	617	0	-55	78	RC
VBRC009	Valley Bore	MGA94_50	700324	7154097	618	180	-55	72	RC
VBRC010	Valley Bore	MGA94_50	700423	7154140	625	0	-55	48	RC
VBRC011	Valley Bore	MGA94_50	700424	7154134	618	180	-55	54	RC
VBRC012	Valley Bore	MGA94_50	700490	7154107	616	0	-55	54	RC
VBRC013	Valley Bore	MGA94_50	700489	7154108	620	180	-55	90	RC
VBRC014	Valley Bore	MGA94_50	700574	7154112	622	0	-55	84	RC
VBRC015	Valley Bore	MGA94_50	700574	7154110	622	180	-55	90	RC
VBRC016	Valley Bore	MGA94_50	700692	7154142	607	180	-55	48	RC

Notes:

1. Coordinate Datum MGA94 Zone 50
2. Elevation relative to Australian Height Datum (AHD)

APPENDIX 2

Valley Bore Southern Ridge Target Sample Assay Results.

LEGEND <58% 58-60% 60-64% >64%

HOLE ID	Sample ID	From (m)	To (m)	Fe %	SiO2 %	Al2O3 %	P %	S %	TiO2 %	CaO %	MnO %	MgO %	K2O %	LOI1000 %	Calcined Fe %
VBRC003	VBRC0001	0	1	31.37	49.891	3.736	0.011	0.017	0.076	0.024	0.016	0.06	0.009	2.23	32.07%
VBRC003	VBRC0002	1	2	25.01	61.887	1.989	0.009	0.01	0.047	0.016	0.014	<Det	0.005	1.48	25.38%
VBRC003	VBRC0003	2	3	34.63	45.57	3.154	0.009	0.012	0.062	0.018	0.014	0.01	0.01	1.99	35.32%
VBRC003	VBRC0004	3	4	30.46	53.695	2.25	0.008	0.007	0.052	0.018	0.011	0.01	0.008	1.56	30.94%
VBRC003	VBRC0005	4	5	32.26	47.906	4.316	0.01	0.008	0.084	0.016	0.02	0.01	0.004	2.38	33.03%
VBRC003	VBRC0006	5	6	34.84	44.475	3.975	0.018	0.015	0.126	0.024	0.026	0.03	0.026	2.53	35.72%
VBRC003	VBRC0007	6	7	34.85	43.132	4.735	0.014	0.009	0.126	0.019	0.023	0.03	0.004	2.46	35.71%
VBRC003	VBRC0008	7	8	36.3	43.173	3.706	0.009	0.006	0.079	0.018	0.019	0.01	0.003	1.86	36.98%
VBRC003	VBRC0009	8	9	41.8	33.754	4.294	0.012	0.004	0.101	0.019	0.029	0.05	0.002	2.07	42.67%
VBRC003	VBRC0010	9	10	38.2	41.739	2.818	0.007	0.003	0.065	0.013	0.027	0.03	0.003	1.47	38.76%
VBRC003	VBRC0011	10	11	41.51	37.1	2.455	0.01	0.008	0.058	0.013	0.019	0.02	0.003	1.61	42.18%
VBRC003	VBRC0012	11	12	45.89	29.2	3.427	0.011	0.01	0.063	0.012	0.022	0.03	0.003	2.22	46.91%
VBRC003	VBRC0013	12	13	53.9	17.268	4.231	0.009	0.01	0.06	0.011	0.029	0.06	0.004	2.29	55.13%
VBRC003	VBRC0014	13	14	52.15	19.113	4.268	0.012	0.012	0.06	0.011	0.034	0.05	0.004	2.38	53.39%
VBRC003	VBRC0015	14	15	57.38	12.319	4.34	0.015	0.025	0.07	0.012	0.027	0.06	0.005	3.05	59.13%
VBRC003	VBRC0016	15	16	60.48	6.352	3.514	0.023	0.044	0.049	0.01	0.042	0.06	0.012	3.37	62.52%
VBRC003	VBRC0017	16	17	61.65	4.959	3.126	0.041	0.043	0.084	0.011	0.05	0.08	0.054	3.18	63.61%
VBRC003	VBRC0018	17	18	64.38	3.283	2.226	0.026	0.042	0.053	0.011	0.044	0.07	0.014	2.77	66.16%
VBRC003	VBRC0019	18	19	65.57	2.504	1.22	0.027	0.036	0.022	0.01	0.036	0.06	0.002	3.21	67.67%
VBRC003	VBRC0020	19	20	66.05	3.165	1.181	0.021	0.026	0.023	0.009	0.039	0.07	0.004	2.72	67.85%
VBRC003	VBRC0021	20	21	67.02	2.143	1.136	0.021	0.025	0.029	0.008	0.031	0.07	0.002	2.43	68.65%
VBRC003	VBRC0022	21	22	65.75	1.75	1.274	0.022	0.034	0.025	0.008	0.041	0.06	0.001	2.84	67.62%
VBRC003	VBRC0023	22	23	63.66	2.341	1.877	0.021	0.039	0.029	0.009	0.026	0.05	0.003	3.82	66.09%
VBRC003	VBRC0024	23	24	64.93	1.983	1.502	0.02	0.027	0.048	0.009	0.039	0.06	0.001	2.4	66.49%
VBRC003	VBRC0025	24	25	66.64	1.581	1.356	0.018	0.027	0.051	0.009	0.034	0.07	0.001	1.87	67.89%
VBRC003	VBRC0026	25	26	65.13	1.93	1.657	0.025	0.042	0.046	0.01	0.029	0.07	0.001	2.61	66.83%
VBRC003	VBRC0027	26	27	67.06	1.673	1.474	0.018	0.043	0.046	0.01	0.027	0.06	0.001	2.66	68.84%
VBRC003	VBRC0028	27	28	62.08	4.541	3.918	0.026	0.061	0.121	0.01	0.036	0.07	0.001	3.49	64.25%
VBRC003	VBRC0029	28	29	62.86	4.416	3.14	0.035	0.058	0.104	0.011	0.044	0.08	0.002	4	65.37%
VBRC003	VBRC0031	29	30	62.47	4.718	3.711	0.037	0.027	0.118	0.01	0.059	0.08	0.003	2.54	64.06%
VBRC003	VBRC0032	30	31	63.03	4.755	2.716	0.034	0.037	0.085	0.011	0.058	0.06	0.006	2.63	64.69%
VBRC003	VBRC0033	31	32	52.81	19.919	3.047	0.02	0.018	0.072	0.012	0.042	0.05	0.005	2.13	53.93%
VBRC003	VBRC0034	32	33	58.59	11.209	3.074	0.034	0.02	0.072	0.011	0.05	0.06	0.005	2.12	59.83%
VBRC003	VBRC0035	33	34	59.52	8.976	2.722	0.036	0.051	0.083	0.009	0.038	0.07	0.002	4.2	62.02%
VBRC003	VBRC0036	34	35	56.49	13.693	2.558	0.031	0.048	0.078	0.012	0.037	0.05	0.002	3.77	58.62%
VBRC003	VBRC0037	35	36	45.23	32.049	1.833	0.032	0.014	0.05	0.013	0.06	0.04	0.003	1.65	45.98%
VBRC003	VBRC0038	36	37	44.27	34.711	1.503	0.031	0.01	0.049	0.012	0.046	0.04	0.003	1.49	44.93%
VBRC003	VBRC0039	37	38	39.15	41.622	2.404	0.038	0.012	0.074	0.015	0.028	0.03	0.004	1.66	39.80%
VBRC003	VBRC0040	38	39	44.71	33.132	2.507	0.05	0.013	0.07	0.013	0.03	0.03	0.002	1.83	45.53%
VBRC003	VBRC0041	39	40	39.13	42.792	1.155	0.028	0.008	0.037	0.014	0.026	0.02	0.004	1.14	39.58%
VBRC003	VBRC0042	40	41	42.63	35.576	1.882	0.031	0.01	0.052	0.016	0.033	0.03	0.004	1.3	43.18%
VBRC003	VBRC0043	41	42	57.35	13.115	2.903	0.039	0.015	0.076	0.017	0.053	0.06	0.006	2.02	58.51%
VBRC003	VBRC0044	42	43	59.5	10.195	2.711	0.051	0.026	0.069	0.013	0.086	0.07	0.008	3.27	61.45%
VBRC003	VBRC0045	43	44	57.62	11.888	3.219	0.055	0.027	0.085	0.016	0.063	0.06	0.011	2.76	59.21%
VBRC003	VBRC0046	44	45	57.48	10.991	4.002	0.058	0.028	0.095	0.016	0.077	0.07	0.01	3.01	59.21%
VBRC003	VBRC0047	45	46	50.92	23.625	2.153	0.045	0.021	0.047	0.016	0.07	0.05	0.009	2.07	51.97%
VBRC003	VBRC0048	46	47	39.74	38.097	2.689	0.069	0.025	0.076	0.018	0.044	0.03	0.011	1.98	40.53%
VBRC003	VBRC0049	47	48	37.8	42.549	1.785	0.076	0.034	0.047	0.016	0.024	0.02	0.023	1.78	38.47%
VBRC003	VBRC0050	48	49	34.57	45.182	3.551	0.044	0.089	0.07	0.019	0.026	0.03	0.056	2.04	35.28%
VBRC003	VBRC0051	49	50	31.24	51.588	2.136	0.048	0.059	0.072	0.018	0.041	0.01	0.036	1.56	31.73%
VBRC003	VBRC0052	50	51	33.02	49.194	2.032	0.034	0.058	0.061	0.019	0.027	0.01	0.039	1.23	33.43%
VBRC003	VBRC0053	51	52	31.85	51.196	2.796	0.034	0.078	0.082	0.021	0.019	0.02	0.054	1.38	32.29%
VBRC003	VBRC0054	52	53	34.09	48.022	2.528	0.034	0.045	0.088	0.021	0.03	0.02	0.029	1.29	34.53%
VBRC003	VBRC0055	53	54	32.57	50.326	1.894	0.03	0.012	0.058	0.016	0.03	0.02	0.008	1.08	32.92%
VBRC003	VBRC0056	54	55	33.36	49.63	1.243	0.042	0.02	0.034	0.015	0.05	0.02	0.011	1.53	33.87%
VBRC003	VBRC0057	55	56	20.48	62.639	5.11	0.063	0.037	0.187	0.02	0.057	0.03	0.077	2.96	21.09%
VBRC003	VBRC0058	56	57	10.08	65.223	13.705	0.025	0.022	0.526	0.019	0.011	0.35	2.911	3.67	10.45%
VBRC003	VBRC0059	57	58	11.68	62.988	13.014	0.024	0.024	0.465	0.019	0.021	0.33	2.764	3.66	12.11%
VBRC003	VBRC0061	58	59	7.56	66.71	14.882	0.027	0.02	0.522	0.02	0.015	0.39	3.157	4	7.86%
VBRC003	VBRC0062	59	60	10.12	63.139	14.848	0.017	0.022	0.491	0.019	0.019	0.39	3.182	4.02	10.53%
VBRC003	VBRC0063	60	61	7.09	68.497	14.417	0.014	0.017	0.5	0.02	0.018	0.5	3.231	3.7	7.35%
VBRC003	VBRC0064	61	62	6.81	67.224	14.781	0.021	0.017	0.492	0.021	0.018	0.57	3.29	3.82	7.07%
VBRC003	VBRC0065	62	63	7.22	69.263	14.686	0.02	0.015	0.495	0.029	0.014	0.6	3.239	3.51	7.47%
VBRC003	VBRC0066	63	64	6.61	69.723	14.175	0.02	0.008	0.498	0.024	0.01	0.39	2.926	3.65	6.85%
VBRC003	VBRC0067	64	65	6.79	69.315	14.418	0.017	0.012	0.504	0.025	0.009	0.42	3.034	3.67	7.04%
VBRC003	VBRC0068	65	66	8.06	67.822	14.144	0.014	0.007	0.52	0.022	0.007	0.37	2.828	3.8	8.37%
VBRC002	VBRC0069	0	1	10.91	66.586	11.412	0.026	0.036	0.552	0.068	0.071	0.25	1.772	4.3	11.38%
VBRC002	VBRC0070	1	2	9.36	68.523	11.155	0.034	0.056	0.444	0.083	0.027	0.25	1.804	4.29	9.76%
VBRC002	VBRC0071	2	3	11.32	67.106	10.711	0.026	0.016	0.467	0.101	0.06	0.3	1.969	3.79	11.75%
VBRC002	VBRC0072	3	4	8.12	62.892	9.86	0.022	0.807	0.393	4.256	0.019	1.14	1.72	7.33	8.72%
VBRC002	VBRC0073	4	5	9.2	53.928	11.059	0.021	2.43	0.404	6.937	0.017	0.98	1.801	9.92	10.11%
VBRC002	VBRC0074	5	6	12.37	61.286	11.127	0.018	0.136	0.39	1.41	0.025	0.7	1.721	5.15	13.01%
VBRC002	VBRC0075	6	7	12.85	61.399	9.329	0.016	0.159	0.321	0.763	0.022	0.56	1.465	4.29	13.40%
VBRC002	VBRC0076	7	8	11.67	65.742	10.591	0.017	0.04	0.385	0.407	0.015	0.43	1.62	3.72	12.10%
VBRC002	VBRC0077	8	9	10.48	65.039	12.639	0.029	0.238	0.455	0.251	0.018	0.32	2.017	4.64	10.97%
VBRC002	VBRC0078	9	10	10.48	64.599	12.74	0.03	0.11	0.477	0.221	0.013	0.35	2.004	4.38	10.94%
VBRC002	VBRC0079	10	11	10.1	64.075	13.691	0.031	0.11	0.506	0.095	0.011	0.35	2.193	4.56	10.56%
VBRC002	VBRC0080	11	12	12.11	64.424	11.58	0.036	0.023	0.422	0.055	0.01	0.25	1.439	4.19	12.62%

LEGEND <58% 58-60% 60-64% >64%

HOLE ID	Sample ID	From (m)	To (m)	Fe %	SiO2 %	Al2O3 %	P %	S %	TiO2 %	CaO %	MnO %	MgO %	K2O %	LOI1000 %	Calcined Fe %
VBRC002	VBRC0081	12	13	11.96	64.12	12.266	0.035	0.02	0.46	0.076	0.009	0.26	1.494	4.29	12.47%
VBRC002	VBRC0082	13	14	9.57	64.481	13.698	0.034	0.013	0.509	0.053	0.011	0.35	2.143	4.25	9.98%
VBRC002	VBRC0083	14	15	9.98	64.316	13.5	0.033	0.012	0.504	0.06	0.003	0.32	2.018	4.18	10.40%
VBRC002	VBRC0084	15	16	10.74	65.072	13.397	0.033	0.013	0.499	0.061	0.004	0.29	1.616	4.43	11.22%
VBRC002	VBRC0085	16	17	11.33	63.55	13.276	0.034	0.012	0.498	0.053	0.011	0.26	1.464	4.6	11.85%
VBRC002	VBRC0086	17	18	11.03	65.778	12.601	0.023	0.072	0.461	0.052	0.015	0.29	1.875	3.75	11.44%
VBRC002	VBRC0087	18	19	10	66.687	12.944	0.021	0.104	0.462	0.051	0.027	0.31	2.233	3.67	10.37%
VBRC002	VBRC0088	19	20	11.5	69.079	9.359	0.017	0.015	0.34	0.045	0.014	0.22	1.733	2.5	11.79%
VBRC002	VBRC0089	20	21	10.24	67.952	12.383	0.021	0.018	0.466	0.057	0.008	0.26	1.537	3.98	10.65%
VBRC002	VBRC0091	21	22	10.1	66.893	13.238	0.023	0.014	0.489	0.054	0.01	0.31	1.655	4.22	10.53%
VBRC002	VBRC0092	22	23	10.03	66.906	12.933	0.024	0.012	0.472	0.053	0.012	0.29	1.594	4.21	10.45%
VBRC002	VBRC0093	23	24	10.5	66.186	12.677	0.028	0.01	0.463	0.053	0.004	0.27	1.431	4.23	10.94%
VBRC002	VBRC0094	24	25	8.11	66.167	13.976	0.028	0.006	0.525	0.042	0.013	0.45	2.612	3.92	8.43%
VBRC002	VBRC0095	25	26	8.68	66.421	14.035	0.025	0.005	0.521	0.044	0.005	0.41	2.434	4.03	9.03%
VBRC002	VBRC0096	26	27	8.31	67.326	13.687	0.024	0.005	0.499	0.047	0.015	0.43	2.703	3.65	8.61%
VBRC002	VBRC0097	27	28	8.44	64.381	14.651	0.022	0.003	0.498	0.042	0.018	0.38	2.926	3.58	8.74%
VBRC002	VBRC0098	28	29	9.74	65.358	13.978	0.023	0.004	0.499	0.047	0.024	0.36	2.789	3.52	10.08%
VBRC002	VBRC0099	29	30	10.87	65.029	13.077	0.027	0.002	0.462	0.046	0.044	0.3	2.521	3.35	11.23%
VBRC002	VBRC0100	30	31	9.08	64.4	14.844	0.021	0.006	0.546	0.059	0.024	0.4	3.198	3.6	9.41%
VBRC002	VBRC0101	31	32	7.91	67.004	14.325	0.019	0.004	0.522	0.042	0.017	0.41	3.092	3.45	8.18%
VBRC002	VBRC0102	32	33	6.51	67.324	14.563	0.018	0.003	0.541	0.037	0.01	0.54	3.372	3.5	6.74%
VBRC002	VBRC0103	33	34	9.95	66.454	13.36	0.024	0.003	0.477	0.051	0.01	0.25	1.326	4.42	10.39%
VBRC002	VBRC0104	34	35	9.14	66.732	13.527	0.026	0.003	0.48	0.048	0.014	0.34	1.978	4.07	9.51%
VBRC002	VBRC0105	35	36	8.41	68.403	13.248	0.023	0.003	0.469	0.045	0.007	0.34	2.016	3.85	8.73%
VBRC002	VBRC0106	36	37	8.04	66.598	14.165	0.026	0.004	0.526	0.042	0.014	0.49	2.909	3.88	8.35%
VBRC002	VBRC0107	37	38	8.85	66.095	13.175	0.025	0.004	0.478	0.048	0.003	0.32	1.839	4.23	9.22%
VBRC002	VBRC0108	38	39	10.55	64.84	13.679	0.032	0.004	0.504	0.056	0.016	0.26	1.306	4.81	11.06%
VBRC002	VBRC0109	39	40	9.88	65.641	13.785	0.03	0.003	0.496	0.053	0.005	0.32	1.891	4.29	10.30%
VBRC002	VBRC0110	40	41	9.09	66.321	14.426	0.034	0.002	0.526	0.05	0.01	0.41	2.502	4.13	9.47%
VBRC002	VBRC0111	41	42	8.48	66.426	14.738	0.024	0.004	0.508	0.055	0.009	0.43	2.572	4.12	8.83%
VBRC002	VBRC0112	42	43	8.44	65.023	14.983	0.041	0.003	0.508	0.047	0.003	0.49	2.633	4.53	8.82%
VBRC002	VBRC0113	43	44	8.06	65.909	15.061	0.028	0.002	0.497	0.047	0.011	0.53	2.893	4.04	8.39%
VBRC002	VBRC0114	44	45	6.81	67.913	14.496	0.015	0.001	0.489	0.04	0.003	0.53	3.002	3.79	7.07%
VBRC002	VBRC0115	45	46	7.19	68.296	14.416	0.016	0.001	0.486	0.043	0.009	0.49	2.862	3.77	7.46%
VBRC002	VBRC0116	46	47	7.89	67.074	14.34	0.013	0.001	0.502	0.041	0.007	0.49	3.058	3.71	8.18%
VBRC002	VBRC0117	47	48	8.05	65.661	14.794	0.015	0.001	0.503	0.039	0.012	0.47	3.109	3.88	8.36%
VBRC002	VBRC0118	48	49	7.55	63.99	17.087	0.038	0.001	0.619	0.039	0.005	0.51	3.301	4.75	7.91%
VBRC002	VBRC0119	49	50	4.3	67.618	17.15	0.018	<Det	0.614	0.031	0.013	0.48	3.346	4.29	4.48%
VBRC002	VBRC0120	50	51	6.86	64.479	16.418	0.024	0.002	0.574	0.042	0.004	0.48	3.157	4.36	7.16%
VBRC002	VBRC0121	51	52	35.29	24.248	14.624	0.161	0.002	0.52	0.105	0.049	0.21	0.72	6.63	37.63%
VBRC002	VBRC0122	52	53	57.98	8.665	4.792	0.09	0.001	0.168	0.072	0.11	0.12	0.182	2.3	59.31%
VBRC002	VBRC0123	53	54	60.86	8.113	3.169	0.071	0.001	0.108	0.033	0.075	0.09	0.029	1.89	62.01%
VBRC002	VBRC0124	54	55	58.79	6.21	4.479	0.103	0.002	0.141	0.045	0.081	0.13	0.064	3.07	60.59%
VBRC002	VBRC0125	55	56	61.21	4.769	3.807	0.057	0.001	0.096	0.035	0.064	0.12	0.021	2.57	62.78%
VBRC002	VBRC0126	56	57	61.71	5.439	4.29	0.035	0.001	0.199	0.032	0.073	0.11	0.013	2.21	63.07%
VBRC002	VBRC0127	57	58	34.95	47.043	1.904	0.018	<Det	0.054	0.025	0.032	0.04	0.017	0.88	35.26%
VBRC002	VBRC0128	58	59	34.47	48.02	1.384	0.016	<Det	0.044	0.024	0.045	0.03	0.011	0.66	34.70%
VBRC002	VBRC0129	59	60	37.14	42.755	1.532	0.017	0.004	0.069	0.028	0.036	0.05	0.011	0.85	37.46%
VBRC002	VBRC0131	60	61	36.52	43.208	2.079	0.019	0.002	0.069	0.025	0.043	0.04	0.055	1.02	36.89%
VBRC002	VBRC0132	61	62	39.55	38.71	1.488	0.016	0.001	0.049	0.027	0.051	0.04	0.009	0.89	39.90%
VBRC002	VBRC0133	62	63	44.72	31.051	1.897	0.014	<Det	0.062	0.02	0.031	0.04	0.013	0.9	45.12%
VBRC002	VBRC0134	63	64	31.45	53.817	0.793	0.008	<Det	0.029	0.019	0.03	<Det	0.009	0.45	31.59%
VBRC002	VBRC0135	64	65	41.46	39.315	1.847	0.016	<Det	0.081	0.021	0.032	0.04	0.005	0.88	41.82%
VBRC002	VBRC0136	65	66	32.93	52.532	1.01	0.01	<Det	0.039	0.018	0.032	0.02	0.005	0.52	33.10%
VBRC002	VBRC0137	66	67	36.07	45.922	1.995	0.015	<Det	0.061	0.023	0.026	0.04	0.011	1.02	36.44%
VBRC002	VBRC0138	67	68	35.82	47.98	1.112	0.011	<Det	0.037	0.023	0.032	0.02	0.009	0.76	36.09%
VBRC002	VBRC0139	68	69	33.49	51.648	1.33	0.015	<Det	0.041	0.02	0.024	0.03	0.006	0.65	33.71%
VBRC002	VBRC0140	69	70	54.67	17.294	2.704	0.031	0.002	0.078	0.021	0.054	0.07	0.005	1.69	55.59%
VBRC002	VBRC0141	70	71	56.44	16.7	2.262	0.019	0.002	0.081	0.02	0.053	0.07	0.004	1.24	57.14%
VBRC002	VBRC0142	71	72	40.03	41.039	1.585	0.017	0.006	0.055	0.026	0.035	0.04	0.01	0.95	40.41%
VBRC002	VBRC0143	72	73	49.81	25.319	2.235	0.027	0.008	0.076	0.024	0.056	0.07	0.017	1.37	50.49%
VBRC002	VBRC0144	73	74	47.83	28.233	2.573	0.042	0.004	0.102	0.025	0.065	0.06	0.007	1.68	48.63%
VBRC002	VBRC0145	74	75	59.98	9.027	3.695	0.055	0.003	0.119	0.027	0.144	0.11	0.005	2.46	61.46%
VBRC002	VBRC0146	75	76	61.7	5.095	3.722	0.065	0.006	0.133	0.035	0.13	0.12	0.007	2.5	63.24%
VBRC002	VBRC0147	76	77	62.14	4.207	3.523	0.074	0.004	0.134	0.032	0.188	0.13	0.004	2.75	63.85%
VBRC002	VBRC0148	77	78	62.91	3.819	3.196	0.065	0.004	0.113	0.04	0.135	0.13	0.007	2.82	64.68%
VBRC002	VBRC0149	78	79	57.99	12.73	2.393	0.054	0.004	0.076	0.03	0.121	0.09	0.02	2.79	59.61%
VBRC002	VBRC0150	79	80	62.11	8.567	1.341	0.043	0.007	0.053	0.031	0.158	0.07	0.021	2.47	63.64%
VBRC002	VBRC0151	80	81	65.55	2.544	1.15	0.052	0.006	0.047	0.027	0.249	0.08	0.006	3.06	67.56%
VBRC002	VBRC0152	81	82	61.31	6.167	1.888	0.08	0.01	0.064	0.038	0.342	0.1	0.014	3.68	63.57%
VBRC002	VBRC0153	82	83	44.33	23.753	6.263	0.1	0.003	0.215	0.038	0.217	0.07	0.009	4.53	46.34%
VBRC002	VBRC0154	83	84	43.68	29.288	3.701	0.061	0.002	0.12	0.031	0.151	0.07	0.03	2.94	44.96%
VBRC002	VBRC0155	84	85	45.81	32.153	1.953	0.048	0.002	0.084	0.026	0.161	0.06	0.008	2.11	46.78%
VBRC002	VBRC0156	85	86	48.47	27.121	2.132	0.05	0.002	0.067	0.03	0.287	0.07	0.012	2.42	49.64%
VBRC002	VBRC0157	86	87	45.09	31.582	2.521	0.046	0.002	0.079	0.03	0.142	0.06	0.009	2.33	46.14%
VBRC002	VBRC0158	87	88	41.87	34.222	3.031	0.041	<Det	0.09	0.027	0.124	0.04	0.006	2.09	42.75%
VBRC002	VBRC0159	88	89	24.07	63.415	0.846	0.018	0.001	0.034	0.03	0.085	<Det	0.009	1.14	24.34%
VBRC002	VBRC0161	89	90	38.12	41.365	2.494	0.034	0.002	0.084	0.029	0.087	0.03	0.007	1.58	38.72%
VBRC002	VBRC0162	90	91	35.27	44.509	3.194	0.046	0.002	0.119	0.032	0.11	0.05	0.018	1.92	35.95%

												LEGEND	<58%	58-60%	60-64%	>64%
HOLE	Sample	From	To	Fe	SiO2	Al2O3	P	S	TiO2	CaO	MnO	MgO	K2O	LOI1000	Calcined Fe
ID	ID	(m)	(m)	%	%	%	%	%	%	%	%	%	%	%	%
VBRC002	VBRC0163	91	92	37.24	37.19	5.114	0.05	0.001	0.182	0.038	0.922	0.07	0.044	2.83	38.29%
VBRC002	VBRC0164	92	93	35.01	45.097	2.257	0.028	<Det	0.078	0.036	1.663	0.03	0.076	1.5	35.54%
VBRC002	VBRC0165	93	94	31.2	51.436	1.764	0.017	<Det	0.052	0.033	0.902	0.02	0.039	1.05	31.53%
VBRC002	VBRC0166	94	95	29.52	49.073	3.33	0.038	0.001	0.106	0.038	2.705	0.03	0.129	2.22	30.18%
VBRC002	VBRC0167	95	96	30.17	48.948	2.21	0.027	<Det	0.08	0.034	3.308	0.03	0.147	1.62	30.66%
VBRC001	VBRC0168	0	1	29.61	39.7	10.462	0.05	0.007	0.46	0.181	0.209	0.17	0.233	5.45	31.22%
VBRC001	VBRC0169	1	2	25.61	36.925	15.512	0.053	0.003	0.61	0.279	0.066	0.32	0.263	7.51	27.53%
VBRC001	VBRC0170	2	3	21.2	35.448	16.2	0.054	0.511	0.637	1.943	0.033	2.78	0.215	9.69	23.25%
VBRC001	VBRC0171	3	4	20.04	28.401	15.031	0.052	0.312	0.549	5.44	0.034	4.42	0.115	13.34	22.71%
VBRC001	VBRC0172	4	5	23.24	30.653	17.171	0.076	0.03	0.551	3.26	0.034	3	0.123	11.47	25.91%
VBRC001	VBRC0173	5	6	22.83	26.696	19.474	0.12	0.033	0.617	3.497	0.026	2.32	0.104	13.62	25.94%
VBRC001	VBRC0174	6	7	23.39	25.831	18.54	0.124	0.08	0.604	3.76	0.062	2.54	0.082	13.32	26.51%
VBRC001	VBRC0175	7	8	22.8	26.742	20.553	0.162	0.038	0.678	2.785	0.052	2.17	0.592	13.09	25.78%
VBRC001	VBRC0176	8	9	22.15	26.736	21.73	0.199	0.045	0.708	1.934	0.093	1.66	0.879	12.62	24.95%
VBRC001	VBRC0177	9	10	14.04	34.439	19.63	0.114	0.031	0.661	4.709	0.077	3.5	2.316	13.91	15.99%
VBRC001	VBRC0178	10	11	10.74	52.822	16.016	0.072	0.02	0.55	2.194	0.019	2.02	3.081	7.89	11.59%
VBRC001	VBRC0179	11	12	7.74	68.409	13.33	0.044	0.012	0.476	0.262	0.011	0.61	2.546	4.09	8.06%
VBRC001	VBRC0180	12	13	7.47	69.448	12.41	0.035	0.012	0.455	0.25	0.005	0.6	2.792	3.46	7.73%
VBRC001	VBRC0181	13	14	7.08	69.645	12.52	0.039	0.01	0.466	0.268	0.017	0.61	2.772	3.64	7.34%
VBRC001	VBRC0182	14	15	12.16	55.591	17.626	0.083	0.012	0.611	0.233	0.012	0.67	3.104	5.55	12.83%
VBRC001	VBRC0183	15	16	16.62	43.663	21.248	0.115	0.018	0.712	0.377	0.012	0.88	3.386	7.22	17.82%
VBRC001	VBRC0184	16	17	22.54	34.738	20.327	0.105	0.018	0.698	0.532	0.034	0.78	2.105	8.34	24.42%
VBRC001	VBRC0185	17	18	19.43	34.918	23.028	0.084	0.016	0.816	0.274	0.023	0.76	2.899	8.49	21.08%
VBRC001	VBRC0186	18	19	17.88	34.865	23.722	0.101	0.012	0.847	0.504	0.019	1.01	3.588	8.89	19.47%
VBRC001	VBRC0187	19	20	17.62	34.526	25.715	0.108	0.013	0.922	0.482	0.205	1.1	4.127	9.14	19.23%
VBRC001	VBRC0188	20	21	21.41	30.607	23.568	0.11	0.016	0.821	0.482	0.064	0.82	2.372	9.71	23.49%
VBRC001	VBRC0189	21	22	19.98	31.83	24.566	0.081	0.015	0.854	0.299	0.022	0.7	2.511	9.45	21.87%
VBRC001	VBRC0191	22	23	19.01	32.977	25.237	0.076	0.014	0.884	0.545	0.023	0.9	2.98	9.39	20.80%
VBRC001	VBRC0192	23	24	18.13	33.937	25.318	0.083	0.014	0.911	0.494	0.018	0.89	3.082	9.7	19.89%
VBRC001	VBRC0193	24	25	15.86	35.715	24.735	0.086	0.012	0.878	0.997	0.021	1.24	3.278	9.93	17.43%
VBRC001	VBRC0194	25	26	23.61	28.838	20.442	0.137	0.017	0.676	1.583	0.076	1.35	1.623	11.75	26.38%
VBRC001	VBRC0195	26	27	17.48	29.771	23.21	0.075	0.013	0.766	3.609	0.032	2.59	1.528	14.24	19.97%
VBRC001	VBRC0196	27	28	17.97	29.576	23.733	0.077	0.012	0.759	3.45	0.025	2.37	0.883	14.34	20.55%
VBRC001	VBRC0197	28	29	21.49	30.522	18.939	0.087	0.014	0.61	2.97	0.031	1.99	1.803	12.16	24.10%
VBRC001	VBRC0198	29	30	23.39	27.695	18.47	0.119	0.014	0.594	3.127	0.035	2.14	0.875	13.56	26.56%
VBRC001	VBRC0199	30	31	19.3	29.451	22.604	0.093	0.013	0.749	3.059	0.022	2.1	1.683	13.22	21.85%
VBRC001	VBRC0200	31	32	20.54	28.012	22.186	0.065	0.013	0.743	3.621	0.025	2.25	1.384	13.56	23.33%
VBRC001	VBRC0201	32	33	17.36	26.979	21.046	0.041	0.013	0.714	5.93	0.019	3.73	1.194	16.47	20.22%
VBRC001	VBRC0202	33	34	12.12	31.364	24.05	0.031	0.011	0.81	5.404	0.018	3.4	0.779	16.85	14.16%
VBRC001	VBRC0203	34	35	15.9	30.295	18.749	0.037	0.011	0.632	6.958	0.013	4.11	0.905	16.92	18.59%
VBRC001	VBRC0204	35	36	23.01	28.263	19.92	0.044	0.01	0.661	3.676	0.024	2.15	1.349	12.54	25.90%
VBRC001	VBRC0205	36	37	26.99	24.926	19.52	0.052	0.008	0.654	2.717	0.022	1.85	1.032	11.94	30.21%
VBRC001	VBRC0206	37	38	24.65	25.978	15.849	0.053	0.01	0.479	6.464	0.03	2.53	0.655	14.69	28.27%
VBRC001	VBRC0207	38	39	13.71	49.202	10.762	0.028	0.006	0.349	5.55	0.016	3.2	0.578	12.25	15.39%
VBRC001	VBRC0208	39	40	15.21	42.408	11.49	0.028	0.004	0.394	7.889	0.014	2.65	0.642	13.65	17.29%
VBRC001	VBRC0209	40	41	14.47	57.852	13.9	0.027	0.003	0.488	0.352	0.009	0.32	1.216	5.65	15.29%
VBRC001	VBRC0210	41	42	11.53	64.525	12.259	0.025	0.001	0.43	0.106	0.014	0.27	1.529	4.4	12.04%
VBRC001	VBRC0211	42	43	10.65	67.742	11.427	0.029	<Det	0.42	0.238	0.008	0.26	1.31	4.3	11.11%
VBRC001	VBRC0212	43	44	12.18	64.732	12.359	0.028	0.001	0.438	0.101	0.011	0.21	1.211	4.42	12.72%
VBRC001	VBRC0213	44	45	12.54	62.076	14.333	0.034	<Det	0.521	0.093	0.003	0.3	1.859	4.63	13.12%
VBRC001	VBRC0214	45	46	10.91	63.749	12.966	0.04	0.001	0.451	0.142	0.012	0.28	1.557	4.54	11.41%
VBRC001	VBRC0215	46	47	14.97	58.86	13.041	0.045	0.002	0.456	0.112	0.007	0.2	1.126	4.95	15.71%
VBRC001	VBRC0216	47	48	10.37	60.698	15.724	0.05	0.002	0.567	0.053	0.005	0.42	2.725	4.75	10.86%
VBRC001	VBRC0217	48	49	11.02	59.143	16.954	0.067	0.002	0.547	0.054	0.008	0.42	2.495	5.48	11.62%
VBRC001	VBRC0218	49	50	9.56	62.988	15.504	0.049	0.002	0.592	0.077	0.008	0.52	3.05	4.52	9.99%
VBRC001	VBRC0219	50	51	7.12	63.153	17.248	0.041	0.002	0.653	0.04	0.006	0.71	4.215	4.23	7.42%
VBRC001	VBRC0220	51	52	11.95	58.342	16.55	0.058	0.002	0.619	0.108	0.013	0.56	2.729	6.81	12.76%
VBRC001	VBRC0221	52	53	15.37	53.999	15.468	0.081	0.002	0.555	0.059	0.013	0.35	1.606	5.97	16.29%
VBRC001	VBRC0222	53	54	15.19	54.338	15.986	0.086	0.003	0.567	0.057	0.014	0.36	1.604	3.93	15.79%
VBRC001	VBRC0223	54	55	11.03	62.464	14.642	0.055	0.002	0.597	0.075	0.009	0.45	2.613	4.54	11.53%
VBRC001	VBRC0224	55	56	15.58	55.774	14.504	0.067	0.004	0.534	0.057	0.007	0.41	2.353	4.95	16.35%
VBRC001	VBRC0225	56	57	11.78	61.064	13.415	0.068	0.002	0.554	0.051	0.006	0.37	2.2	4.56	12.32%
VBRC001	VBRC0226	57	58	10.58	66.817	12.306	0.059	0.002	0.487	0.053	0.007	0.32	2.002	3.96	11.00%
VBRC001	VBRC0227	58	59	11.44	62.053	14.616	0.064	0.003	0.558	0.048	0.009	0.34	2.006	4.94	12.01%
VBRC001	VBRC0228	59	60	11.66	57.715	17.068	0.065	0.003	0.59	0.048	0.003	0.44	2.669	5.38	12.29%
VBRC001	VBRC0229	60	61	8.21	63.771	16.248	0.049	0.002	0.627	0.043	0.009	0.52	3.368	4.37	8.57%
VBRC001	VBRC0231	61	62	7.73	63.671	16.716	0.049	<Det	0.616	0.038	0.013	0.56	3.663	4.23	8.06%
VBRC001	VBRC0232	62	63	7.39	64.869	16.662	0.055	0.002	0.612	0.037	0.006	0.55	3.586	4.55	7.73%
VBRC001	VBRC0233	63	64	8.81	63.305	15.91	0.057	0.001	0.59	0.043	0.01	0.53	3.337	4.61	9.22%
VBRC001	VBRC0234	64	65	9.42	61.721	15.84	0.052	<Det	0.609	0.042	0.003	0.51	3.285	4.56	9.85%
VBRC001	VBRC0235	65	66	6.66	65.868	16.208	0.038	0.001	0.539	0.036	0.011	0.59	3.747	4.16	6.94%
VBRC001	VBRC0236	66	67	8.56	64.902	14.638	0.052	0.001	0.562	0.05	0.003	0.49	3.19	4.03	8.90%
VBRC001	VBRC0237	67	68	7.82	61.138	17.05	0.041	0.001	0.563	0.29	0.007	0.76	3.908	4.8	8.20%
VBRC001	VBRC0238	68	69	7.44	65.644	15.872	0.043	0.002	0.572	0.036	0.009	0.57	3.616	4.11	7.75%
VBRC001	VBRC0239	69	70	7.44	64.867	15.963	0.041	0.001	0.52	0.033	0.005	0.55	3.579	4.22	7.75%
VBRC001	VBRC0240	70	71	8.92	64.137	14.44	0.046	0.004	0.511	0.042	0.006	0.5	3.175	4.04	9.28%
VBRC001	VBRC0241	71	72	6.75	65.995	15.698	0.042	0.001	0.507	0.031	0.006	0.6	3.812	3.91	7.01%
VBRC001	VBRC0242	72	73	11.95	59.745	14.093	0.121	<Det	0.498	0.041	0.011	0.41	3.091	4.09	12.44%
VBRC001	VBRC0243	73	74	8.54	65.663	13.92	0.044	0.001	0.481	0.038	0.007	0.42	2.649	4.14	8.89%

LEGEND <58% | 58-60% | 60-64% | >64%

HOLE ID	Sample ID	From (m)	To (m)	Fe %	SiO2 %	Al2O3 %	P %	S %	TiO2 %	CaO %	MnO %	MgO %	K2O %	LOI1000 %	Calcined Fe %
VBRC001	VBRC0244	74	75	12.1	66.228	10.04	0.05	0.002	0.354	0.04	0.015	0.2	1.254	3.8	12.56%
VBRC001	VBRC0245	75	76	13.29	58.258	14.642	0.051	0.002	0.53	0.094	0.012	0.41	2.356	4.97	13.95%
VBRC001	VBRC0246	76	77	12.65	63.501	11.387	0.074	0.002	0.419	0.06	0.016	0.28	1.739	4.29	13.19%
VBRC001	VBRC0247	77	78	11.87	63.934	13.284	0.065	0.002	0.495	0.056	0.009	0.3	1.913	4.55	12.41%
VBRC001	VBRC0248	78	79	16.25	56.256	12.797	0.131	0.001	0.468	0.043	0.018	0.37	2.645	4.41	16.97%
VBRC001	VBRC0249	79	80	12.18	60.57	14.179	0.124	<Det	0.513	0.046	0.017	0.42	3.116	4.24	12.70%
VBRC001	VBRC0250	80	81	12.79	57.59	14.478	0.13	<Det	0.485	0.038	0.017	0.46	3.422	4.39	13.35%
VBRC001	VBRC0251	81	82	14.68	55.315	10.981	0.124	<Det	0.403	0.038	0.089	0.32	2.413	4.33	15.32%
VBRC001	VBRC0252	82	83	13.11	59.766	14.292	0.07	<Det	0.562	0.042	0.138	0.45	3.362	3.62	13.58%
VBRC001	VBRC0253	83	84	15.66	57.298	11.637	0.11	0.003	0.425	0.035	0.024	0.34	2.506	4.7	16.40%
VBRC014	VBRC0254	0	1	42.73	26.708	7.039	0.027	0.026	0.256	0.094	0.042	0.2	0.789	3.05	44.03%
VBRC014	VBRC0255	1	2	51.14	15.73	7.15	0.023	0.008	0.228	0.046	0.04	0.1	0.14	3.39	52.87%
VBRC014	VBRC0256	2	3	51.94	14.295	6.966	0.019	0.007	0.2	0.027	0.042	0.07	0.054	3.27	53.64%
VBRC014	VBRC0257	3	4	56.9	10.909	4.723	0.014	0.008	0.13	0.031	0.042	0.08	0.1	2.18	58.14%
VBRC014	VBRC0258	4	5	54.45	12.61	6.389	0.021	0.011	0.207	0.034	0.056	0.1	0.062	3.04	56.11%
VBRC014	VBRC0259	5	6	41.12	22.773	12.637	0.027	0.015	0.525	0.039	0.06	0.12	0.257	5.46	43.37%
VBRC014	VBRC0261	6	7	58.4	9.448	5.65	0.014	0.006	0.151	0.027	0.053	0.09	0.064	2.37	59.78%
VBRC014	VBRC0262	7	8	46.11	18.9	9.542	0.02	0.024	0.188	0.033	0.186	0.11	0.1	4.66	48.26%
VBRC014	VBRC0263	8	9	60.07	6.85	4.456	0.009	0.005	0.103	0.021	0.056	0.07	0.023	1.86	61.19%
VBRC014	VBRC0264	9	10	61.28	6.769	4.44	0.011	0.004	0.109	0.016	0.046	0.06	0.019	1.89	62.44%
VBRC014	VBRC0265	10	11	56.66	9.718	6.66	0.014	0.007	0.172	0.015	0.048	0.06	0.012	2.81	58.25%
VBRC014	VBRC0266	11	12	57.23	8.789	5.893	0.012	0.007	0.156	0.023	0.05	0.05	0.018	2.38	58.59%
VBRC014	VBRC0267	12	13	56.86	9.972	5.257	0.012	0.01	0.129	0.017	0.042	0.03	0.015	2.24	58.13%
VBRC014	VBRC0268	13	14	54.5	11.373	7.254	0.014	0.012	0.18	0.023	0.055	0.04	0.011	3.09	56.18%
VBRC014	VBRC0269	14	15	55.54	9.194	6.542	0.014	0.026	0.173	0.014	0.047	0.03	0.026	2.72	57.05%
VBRC014	VBRC0270	15	16	53.98	10.704	8.015	0.025	0.079	0.224	0.013	0.054	0.05	0.056	3.36	55.79%
VBRC014	VBRC0271	16	17	51.84	11.353	8.07	0.021	0.156	0.175	0.013	0.059	0.02	0.095	3.76	53.79%
VBRC014	VBRC0272	17	18	59.08	7.167	4.676	0.014	0.361	0.092	0.012	0.054	0.04	0.222	2.82	60.75%
VBRC014	VBRC0273	18	19	55.74	9.503	6.468	0.023	0.153	0.172	0.023	0.061	0.05	0.105	3.08	57.46%
VBRC014	VBRC0274	19	20	60.9	7.675	4.173	0.018	0.072	0.103	0.016	0.062	0.07	0.045	1.98	62.11%
VBRC014	VBRC0275	20	21	56.78	11.249	4.479	0.017	0.058	0.123	0.012	0.055	0.03	0.038	2.06	57.95%
VBRC014	VBRC0276	21	22	55.34	15.429	3.323	0.015	0.117	0.1	0.013	0.044	0.03	0.079	1.64	56.25%
VBRC014	VBRC0277	22	23	46.1	27.686	3.262	0.015	0.145	0.091	0.013	0.043	0.01	0.098	1.68	46.87%
VBRC014	VBRC0278	23	24	47.33	23.734	4.499	0.014	0.106	0.108	0.014	0.073	0.01	0.071	2.15	48.35%
VBRC014	VBRC0279	24	25	42.85	31.861	3.419	0.018	0.053	0.107	0.012	0.075	0.01	0.038	1.62	43.54%
VBRC014	VBRC0280	25	26	45.8	25.352	6.149	0.024	0.036	0.203	0.018	0.094	0.02	0.026	2.72	47.05%
VBRC014	VBRC0281	26	27	32.58	51.254	1.904	0.013	0.008	0.063	0.014	0.469	0.01	0.025	1	32.91%
VBRC014	VBRC0282	27	28	42.29	29.974	5.863	0.021	0.006	0.205	0.017	0.496	0.02	0.021	2.67	43.42%
VBRC014	VBRC0283	28	29	37.09	42.087	2.439	0.013	0.002	0.086	0.014	0.544	<Det	0.026	1.29	37.57%
VBRC014	VBRC0284	29	30	38.66	34.877	5.317	0.021	0.005	0.175	0.02	0.291	0.01	0.024	2.4	39.59%
VBRC014	VBRC0285	30	31	41.76	31.227	5.69	0.021	0.002	0.199	0.032	0.252	0.05	0.043	2.49	42.80%
VBRC014	VBRC0286	31	32	43.78	22.816	9.116	0.041	0.004	0.307	0.109	0.133	0.11	0.029	4.27	45.65%
VBRC014	VBRC0287	32	33	44.39	25.174	6.889	0.029	0.003	0.259	0.151	0.13	0.15	0.129	3.16	45.79%
VBRC014	VBRC0288	33	34	16.8	36.245	23.419	0.049	0.004	0.828	0.766	0.088	1.09	2.676	9.13	18.33%
VBRC014	VBRC0289	34	35	12.75	40.619	26.309	0.043	0.001	0.896	0.075	0.077	1.13	4.685	7.82	13.75%
VBRC014	VBRC0291	35	36	6.75	44.405	26.217	0.028	0.008	1.081	0.045	0.05	2.11	8.221	5.89	7.15%
VBRC014	VBRC0292	36	37	6.25	47.168	27.433	0.023	0.025	0.932	0.059	0.047	1.91	7.381	6.57	6.66%
VBRC014	VBRC0293	37	38	10.08	42.073	24.803	0.033	0.001	0.946	0.578	0.061	2.2	7.83	5.95	10.68%
VBRC014	VBRC0294	38	39	10.06	42.513	24.953	0.033	0.001	0.947	0.577	0.054	2.26	7.846	6.41	10.70%
VBRC014	VBRC0295	39	40	24.74	30.457	19.853	0.045	0.002	0.687	0.229	0.111	1.21	4.517	6.08	26.24%
VBRC014	VBRC0296	40	41	48.07	13.942	10.182	0.031	0.001	0.299	0.165	0.212	0.44	1.283	3.95	49.97%
VBRC014	VBRC0297	41	42	55.35	8.817	6.59	0.029	0.002	0.152	0.203	0.368	0.27	0.368	3.08	57.05%
VBRC014	VBRC0298	42	43	57.96	6.462	4.429	0.014	0.001	0.104	0.795	0.128	0.54	0.087	3.05	59.73%
VBRC014	VBRC0299	43	44	60.86	5.4	4.177	0.018	0.002	0.111	0.469	0.206	0.35	0.073	2.56	62.42%
VBRC014	VBRC0300	44	45	55.02	8.12	6.3	0.029	0.006	0.158	0.717	0.178	0.51	0.107	4.06	57.25%
VBRC014	VBRC0301	45	46	58.01	7.142	5.566	0.033	0.005	0.143	0.174	0.165	0.17	0.024	2.95	59.72%
VBRC014	VBRC0302	46	47	58	7.486	6.004	0.034	0.004	0.172	0.075	0.142	0.12	0.042	2.98	59.73%
VBRC014	VBRC0303	47	48	59.64	6.391	4.797	0.036	0.009	0.118	0.05	0.177	0.09	0.021	2.57	61.17%
VBRC014	VBRC0304	48	49	61.77	4.782	3.596	0.023	0.002	0.09	0.039	0.209	0.09	0.025	1.95	62.97%
VBRC014	VBRC0305	49	50	59.79	6.657	4.993	0.034	0.003	0.135	0.036	0.172	0.09	0.023	2.54	61.31%
VBRC014	VBRC0306	50	51	53.11	10.823	9.435	0.054	0.001	0.251	0.036	0.134	0.09	0.013	4.26	55.37%
VBRC014	VBRC0307	51	52	59.74	6.341	5.124	0.033	0.002	0.121	0.03	0.174	0.09	0.017	2.38	61.16%
VBRC014	VBRC0308	52	53	59.63	6.84	4.777	0.03	<Det	0.112	0.032	0.19	0.06	0.015	2.27	60.98%
VBRC014	VBRC0309	53	54	61	5.121	4.193	0.029	<Det	0.091	0.023	0.101	0.06	0.01	2.01	62.23%
VBRC014	VBRC0310	54	55	59.69	5.775	4.927	0.029	0.001	0.095	0.028	0.118	0.06	0.016	2.45	61.15%
VBRC014	VBRC0311	55	56	62.15	5.066	4.325	0.028	0.001	0.086	0.025	0.13	0.07	0.008	2.14	63.48%
VBRC014	VBRC0312	56	57	63	4.022	3.41	0.024	0.001	0.075	0.024	0.23	0.08	0.018	1.7	64.07%
VBRC014	VBRC0313	57	58	63.47	4.41	3.693	0.026	<Det	0.083	0.023	0.106	0.07	0.005	1.68	64.54%
VBRC014	VBRC0314	58	59	58.44	6.266	5.418	0.038	<Det	0.129	0.288	0.59	0.09	0.028	2.88	60.12%
VBRC014	VBRC0315	59	60	57.82	6.618	5.834	0.038	<Det	0.159	0.203	0.158	0.08	0.008	2.92	59.51%
VBRC014	VBRC0316	60	61	58.44	5.826	4.9	0.028	<Det	0.111	0.395	0.337	0.07	0.017	2.71	60.02%
VBRC014	VBRC0317	61	62	57.42	9.403	4.432	0.025	<Det	0.101	0.369	0.284	0.09	0.009	2.33	58.76%
VBRC014	VBRC0318	62	63	57.32	8.771	5.374	0.024	<Det	0.115	0.062	0.151	0.06	0.005	2.45	58.72%
VBRC014	VBRC0319	63	64	58.31	8.721	5.462	0.025	<Det	0.125	0.065	0.279	0.12	0.01	2.53	59.79%
VBRC014	VBRC0320	64	65	60.9	8.174	3.289	0.02	<Det	0.073	0.035	0.203	0.09	0.005	1.53	61.83%
VBRC014	VBRC0321	65	66	62.6	3.859	3.087	0.015	<Det	0.073	0.023	0.166	0.09	0.003	1.48	63.53%
VBRC014	VBRC0322	66	67	64.61	3.549	2.785	0.017	<Det	0.07	0.024	0.14	0.1	0.004	1.35	65.48%
VBRC014	VBRC0323	67	68	66.7	2.314	1.781	0.011	<Det	0.05	0.021	0.236	0.11	0.019	0.9	67.30%
VBRC014	VBRC0324	68	69	64.65	3.421	2.893	0.038	0.001	0.091	0.034	0.248	0.11	0.007	1.56	65.66%
VBRC014	VBRC0325	69	70	65.44	3.385	2.605	0.033	0.001	0.074	0.041	0.227	0.09	0.024	1.34	66.32%

LEGEND <58% 58-60% 60-64% >64%

HOLE ID	Sample ID	From (m)	To (m)	Fe %	SiO2 %	Al2O3 %	P %	S %	TiO2 %	CaO %	MnO %	MgO %	K2O %	LOI1000 %	Calcined Fe %
VBRC014	VBRC0326	70	71	65.59	3.279	2.758	0.039	0.001	0.078	0.037	0.242	0.1	0.006	1.45	66.54%
VBRC014	VBRC0327	71	72	59.85	6.128	5.449	0.069	0.002	0.143	0.042	0.216	0.12	0.009	2.69	61.46%
VBRC014	VBRC0328	72	73	58.27	6.658	5.531	0.058	0.003	0.155	0.058	0.531	0.12	0.021	2.96	59.99%
VBRC014	VBRC0329	73	74	55.84	9.257	7.499	0.093	0.003	0.103	0.07	0.206	0.12	0.01	3.82	57.97%
VBRC014	VBRC0331	74	75	57.13	8.463	6.946	0.07	0.003	0.189	0.06	0.098	0.11	0.01	3.56	59.16%
VBRC014	VBRC0332	75	76	61.74	5.441	4.327	0.062	0.004	0.14	0.054	0.195	0.1	0.019	2.45	63.25%
VBRC014	VBRC0333	76	77	61.31	6.246	4.819	0.067	0.002	0.136	0.058	0.137	0.11	0.018	2.62	62.92%
VBRC014	VBRC0334	77	78	37.37	21.02	17.53	0.094	0.002	0.281	0.112	0.043	0.14	0.046	7.87	40.31%
VBRC014	VBRC0335	78	79	35	24.598	17.499	0.052	0.002	0.626	0.08	0.03	0.38	1.743	6.55	37.29%
VBRC014	VBRC0336	79	80	14.58	38.292	27.473	0.053	0.002	0.912	0.045	0.026	0.69	3.988	8.19	15.77%
VBRC014	VBRC0337	80	81	7.31	51.783	24.623	0.019	0.001	0.825	0.035	0.013	0.71	4.115	6.56	7.79%
VBRC014	VBRC0338	81	82	13.59	56.575	15.637	0.017	0.002	0.505	0.035	0.018	0.52	3.075	4.04	14.14%
VBRC014	VBRC0339	82	83	9.26	62.619	16.283	0.02	0.003	0.529	0.038	0.008	0.59	3.377	4.35	9.66%
VBRC014	VBRC0340	83	84	8.82	65.477	15.551	0.019	0.003	0.517	0.035	0.023	0.57	3.39	3.51	9.13%
VBRC015	VBRC0341	0	1	47.35	18.977	8.597	0.018	0.014	0.237	0.036	0.054	0.15	0.458	3.67	49.09%
VBRC015	VBRC0342	1	2	52.36	14.327	6.842	0.017	0.011	0.204	0.02	0.048	0.07	0.043	3.22	54.05%
VBRC015	VBRC0343	2	3	54.09	13.816	5.984	0.011	0.012	0.15	0.024	0.049	0.07	0.088	2.88	55.65%
VBRC015	VBRC0344	3	4	63.32	5.452	1.48	0.01	0.021	0.103	0.021	0.068	0.07	0.04	1.6	64.33%
VBRC015	VBRC0345	4	5	59.37	9.869	4.244	0.014	0.013	0.157	0.026	0.047	0.08	0.042	2.29	60.73%
VBRC015	VBRC0346	5	6	54.96	12.784	6.519	0.015	0.008	0.213	0.033	0.043	0.09	0.059	3	56.61%
VBRC015	VBRC0347	6	7	49.76	16.053	8.685	0.014	0.008	0.261	0.036	0.042	0.08	0.031	3.76	51.63%
VBRC015	VBRC0348	7	8	51.05	14.279	8.582	0.017	0.008	0.317	0.035	0.036	0.09	0.034	3.69	52.93%
VBRC015	VBRC0349	8	9	58.27	8.465	5.014	0.018	0.006	0.157	0.028	0.029	0.1	0.055	2.27	59.59%
VBRC015	VBRC0350	9	10	59.8	7.572	4.989	0.017	0.005	0.138	0.022	0.036	0.08	0.015	2.17	61.10%
VBRC015	VBRC0351	10	11	59.22	7.053	5.055	0.014	0.005	0.139	0.021	0.036	0.09	0.021	2.12	60.48%
VBRC015	VBRC0352	11	12	62.98	5.222	2.89	0.02	0.005	0.096	0.019	0.037	0.07	0.013	1.32	63.81%
VBRC015	VBRC0353	12	13	57.98	8.86	5.548	0.015	0.006	0.166	0.018	0.039	0.07	0.007	2.49	59.42%
VBRC015	VBRC0354	13	14	53.98	10.591	8.393	0.024	0.014	0.24	0.018	0.042	0.07	0.005	3.69	55.97%
VBRC015	VBRC0355	14	15	57.28	8.395	6.644	0.021	0.016	0.209	0.015	0.039	0.07	0.013	3.03	59.02%
VBRC015	VBRC0356	15	16	55.24	9.002	7.559	0.028	0.016	0.232	0.016	0.04	0.07	0.006	3.35	57.09%
VBRC015	VBRC0357	16	17	57.27	8.685	7.21	0.032	0.02	0.238	0.016	0.042	0.08	0.005	3.1	59.05%
VBRC015	VBRC0358	17	18	59.59	6.79	5.402	0.024	0.016	0.186	0.015	0.038	0.07	0.006	2.49	61.07%
VBRC015	VBRC0359	18	19	54.17	10.873	8.69	0.044	0.027	0.282	0.017	0.044	0.08	0.01	3.83	56.24%
VBRC015	VBRC0361	19	20	58.05	7.691	6.052	0.026	0.03	0.185	0.015	0.053	0.07	0.011	2.79	59.67%
VBRC015	VBRC0362	20	21	58.07	8.354	6.383	0.028	0.022	0.203	0.015	0.039	0.07	0.008	2.88	59.74%
VBRC015	VBRC0363	21	22	60.85	5.951	4.878	0.023	0.022	0.14	0.015	0.039	0.07	0.012	2.23	62.21%
VBRC015	VBRC0364	22	23	60.14	6.555	5.201	0.023	0.017	0.184	0.013	0.043	0.07	0.005	2.41	61.59%
VBRC015	VBRC0365	23	24	64.27	3.745	2.914	0.017	0.022	0.1	0.013	0.04	0.07	0.01	1.4	65.17%
VBRC015	VBRC0366	24	25	59.71	6.893	5.358	0.027	0.02	0.173	0.015	0.047	0.07	0.006	2.51	61.21%
VBRC015	VBRC0367	25	26	59.06	7.574	5.784	0.025	0.018	0.189	0.015	0.052	0.07	0.008	2.6	60.60%
VBRC015	VBRC0368	26	27	59.47	7.006	5.358	0.022	0.018	0.173	0.014	0.048	0.06	0.009	2.45	60.93%
VBRC015	VBRC0369	27	28	56.91	8.657	6.55	0.024	0.022	0.207	0.015	0.058	0.1	0.125	2.92	58.57%
VBRC015	VBRC0370	28	29	55.47	9.63	7.7	0.032	0.026	0.252	0.016	0.051	0.07	0.025	3.48	57.40%
VBRC015	VBRC0371	29	30	59.31	7.134	5.817	0.028	0.029	0.207	0.014	0.066	0.07	0.051	2.67	60.89%
VBRC015	VBRC0372	30	31	55.87	8.946	7.541	0.045	0.025	0.256	0.016	0.072	0.08	0.021	3.62	57.89%
VBRC015	VBRC0373	31	32	59.02	7.149	5.9	0.033	0.018	0.19	0.013	0.074	0.08	0.049	2.81	60.68%
VBRC015	VBRC0374	32	33	56.69	8.452	7.251	0.038	0.025	0.245	0.015	0.083	0.1	0.065	3.41	58.62%
VBRC015	VBRC0375	33	34	57.08	8.069	6.719	0.031	0.018	0.222	0.014	0.074	0.08	0.051	3.02	58.80%
VBRC015	VBRC0376	34	35	57.41	7.696	6.496	0.033	0.017	0.235	0.017	0.067	0.08	0.063	3.05	59.16%
VBRC015	VBRC0377	35	36	60	6.34	5.493	0.041	0.025	0.208	0.015	0.073	0.08	0.062	2.78	61.67%
VBRC015	VBRC0378	36	37	62.14	5.17	4.422	0.039	0.041	0.178	0.016	0.069	0.1	0.153	2.21	63.51%
VBRC015	VBRC0379	37	38	60.24	5.828	5.043	0.039	0.028	0.198	0.016	0.065	0.08	0.046	2.59	61.80%
VBRC015	VBRC0380	38	39	59.99	5.782	4.872	0.039	0.034	0.19	0.016	0.064	0.1	0.135	2.47	61.47%
VBRC015	VBRC0381	39	40	63.46	3.698	2.971	0.027	0.063	0.117	0.015	0.074	0.12	0.282	1.65	64.51%
VBRC015	VBRC0382	40	41	55.43	8.483	7.388	0.048	0.03	0.256	0.019	0.077	0.09	0.038	3.66	57.46%
VBRC015	VBRC0383	41	42	63.18	4.457	3.796	0.039	0.072	0.124	0.018	0.086	0.1	0.148	2.21	64.58%
VBRC015	VBRC0384	42	43	59.73	6.039	5.304	0.049	0.059	0.176	0.019	0.083	0.09	0.09	2.81	61.41%
VBRC015	VBRC0385	43	44	51.96	10.209	8.533	0.046	0.03	0.292	0.024	0.081	0.09	0.092	4.07	54.07%
VBRC015	VBRC0386	44	45	47.49	13.963	11.413	0.046	0.025	0.435	0.028	0.106	0.1	0.045	5.13	49.93%
VBRC015	VBRC0387	45	46	56.96	7.739	6.543	0.043	0.061	0.228	0.019	0.095	0.08	0.058	3.35	58.87%
VBRC015	VBRC0388	46	47	54.81	9.721	8.19	0.048	0.036	0.267	0.026	0.121	0.09	0.035	3.98	56.99%
VBRC015	VBRC0389	47	48	59.69	6.346	5.235	0.036	0.042	0.199	0.023	0.152	0.08	0.043	2.65	61.27%
VBRC015	VBRC0391	48	49	63.48	3.842	3.039	0.026	0.012	0.102	0.02	0.283	0.09	0.042	1.64	64.52%
VBRC015	VBRC0392	49	50	56.54	7.692	6.797	0.052	0.009	0.234	0.034	0.768	0.1	0.041	3.61	58.58%
VBRC015	VBRC0393	50	51	62.55	2.854	2.502	0.025	0.004	0.09	0.058	3.409	0.11	0.14	2.3	63.99%
VBRC015	VBRC0394	51	52	59.46	5.678	5.091	0.045	0.004	0.192	0.034	0.809	0.08	0.023	2.98	61.23%
VBRC015	VBRC0395	52	53	59.09	5.922	5.324	0.048	0.005	0.202	0.04	0.938	0.1	0.03	2.9	60.80%
VBRC015	VBRC0396	53	54	63.2	3.281	2.664	0.03	0.003	0.099	0.036	1.213	0.08	0.031	1.63	64.23%
VBRC015	VBRC0397	54	55	64.42	3.525	2.582	0.027	0.001	0.086	0.023	0.406	0.08	0.024	1.28	65.24%
VBRC015	VBRC0398	55	56	61.08	4.338	3.452	0.035	<Det	0.125	0.029	2.096	0.08	0.074	1.96	62.28%
VBRC015	VBRC0399	56	57	62.42	5.304	3.406	0.037	0.001	0.123	0.024	0.519	0.08	0.021	1.76	63.52%
VBRC015	VBRC0400	57	58	59.44	8.462	4.019	0.041	0.001	0.154	0.027	0.384	0.07	0.019	2.14	60.71%
VBRC015	VBRC0401	58	59	56.47	12.953	4.043	0.041	0.001	0.132	0.027	0.334	0.08	0.02	2.01	57.61%
VBRC015	VBRC0402	59	60	49.02	25.916	3.027	0.031	<Det	0.095	0.023	0.129	0.05	0.006	1.51	49.76%
VBRC015	VBRC0403	60	61	29.16	55.948	1.395	0.02	0.001	0.043	0.019	0.118	<Det	0.012	0.75	29.38%
VBRC015	VBRC0404	61	62	31.2	52.677	1.742	0.022	<Det	0.051	0.019	0.099	0.01	0.011	1.01	31.52%
VBRC015	VBRC0405	62	63	40.61	38.829	1.638	0.024	0.001	0.052	0.029	0.216	0.04	0.029	1.16	41.08%
VBRC015	VBRC0406	63	64	37.85	44.038	1.53	0.02	0.001	0.042	0.024	0.146	0.02	0.026	0.93	38.20%
VBRC015	VBRC0407	64	65	39.54	40.785	1.86	0.024	0.001	0.056	0.02	0.102	0.01	0.011	0.97	39.92%
VBRC015	VBRC0408	65	66	44.93	28.287	4.715	0.044	0.002	0.166	0.025	0.128	0.05	0.012	2.33	45.98%
VBRC015	VBRC0409	66	67	40.55	36.64	2.83	0.031	<Det	0.101	0.02	0.075	0.03	0.01	1.51	41.16%

LEGEND <58% 58-60% 60-64% >64%

HOLE ID	Sample ID	From (m)	To (m)	Fe %	SiO2 %	Al2O3 %	P %	S %	TiO2 %	CaO %	MnO %	MgO %	K2O %	LOI1000 %	Calcined Fe %
VBRC015	VBRC0410	67	68	33.54	49.239	2.297	0.027	<Det	0.08	0.021	0.09	0.01	0.007	1.23	33.95%
VBRC015	VBRC0411	68	69	27.71	56.112	2.085	0.026	<Det	0.07	0.022	0.079	<Det	0.009	1.05	28.00%
VBRC015	VBRC0412	69	70	35.55	42.807	3.443	0.036	<Det	0.111	0.024	0.108	0.02	0.009	1.72	36.16%
VBRC015	VBRC0413	70	71	39.62	37.123	4.839	0.043	0.004	0.192	0.031	0.128	0.05	0.015	2.22	40.50%
VBRC015	VBRC0414	71	72	37.87	38.948	4.318	0.041	0.002	0.173	0.029	0.116	0.04	0.011	1.91	38.59%
VBRC015	VBRC0415	72	73	37.62	41.937	2.529	0.028	<Det	0.092	0.021	0.094	0.03	0.007	1.31	38.11%
VBRC015	VBRC0416	73	74	39.28	40.339	2.497	0.026	0.003	0.087	0.028	0.191	0.04	0.026	1.37	39.82%
VBRC015	VBRC0417	74	75	32.08	49.079	2.247	0.024	<Det	0.083	0.021	0.071	0.01	0.007	1.12	32.44%
VBRC015	VBRC0418	75	76	39.73	35.382	4.807	0.04	<Det	0.175	0.026	0.103	0.04	0.006	2.31	40.65%
VBRC015	VBRC0419	76	77	40.04	32.534	6.049	0.055	0.001	0.217	0.029	0.096	0.06	0.007	2.83	41.17%
VBRC015	VBRC0420	77	78	34.36	45.692	3.631	0.036	0.001	0.131	0.026	0.072	0.03	0.011	1.66	34.93%
VBRC015	VBRC0421	78	79	32.76	51.6	1.687	0.021	0.001	0.071	0.021	0.065	0.02	0.01	0.85	33.04%
VBRC015	VBRC0422	79	80	40.42	38.464	2.905	0.031	0.001	0.117	0.026	0.114	0.05	0.02	1.51	41.03%
VBRC015	VBRC0423	80	81	34.93	49.13	1.289	0.016	<Det	0.046	0.019	0.068	0.01	0.012	0.68	35.17%
VBRC015	VBRC0424	81	82	35.69	45.075	3.526	0.033	0.002	0.15	0.026	0.07	0.03	0.013	1.6	36.26%
VBRC015	VBRC0425	82	83	31.51	51.419	2.7	0.028	<Det	0.105	0.023	0.056	0.02	0.009	1.34	31.93%
VBRC015	VBRC0426	83	84	33.03	47.651	2.607	0.029	0.002	0.114	0.023	0.057	0.03	0.014	1.24	33.44%
VBRC015	VBRC0427	84	85	40.4	34.608	4.732	0.047	0.001	0.213	0.028	0.064	0.06	0.013	2.26	41.31%
VBRC015	VBRC0428	85	86	34.13	45.093	3.779	0.035	0.001	0.148	0.023	0.062	0.03	0.008	1.81	34.75%
VBRC015	VBRC0429	86	87	32.17	48.028	3.565	0.034	0.001	0.139	0.025	0.057	0.03	0.008	1.61	32.69%
VBRC015	VBRC0431	87	88	28.91	55.879	2.286	0.025	0.002	0.097	0.022	0.043	0.01	0.01	1.08	29.22%
VBRC015	VBRC0432	88	89	30.11	53.707	2.448	0.026	<Det	0.114	0.02	0.041	0.02	0.005	1.22	30.48%
VBRC015	VBRC0433	89	90	30.36	53.953	2.031	0.025	<Det	0.088	0.02	0.029	0.01	0.009	1.03	30.67%
VBRC013	VBRC0434	0	1	41.09	22.98	10.221	0.043	0.051	0.48	0.026	0.12	0.11	0.273	7.53	44.18%
VBRC013	VBRC0435	1	2	34.24	28.787	11.799	0.027	0.078	0.628	0.073	0.029	0.26	0.832	7.27	36.73%
VBRC013	VBRC0436	2	3	33.68	30.174	12.25	0.016	0.054	0.766	0.059	0.021	0.17	0.429	7.42	36.18%
VBRC013	VBRC0437	3	4	49.75	14.921	7.577	0.021	0.051	0.273	0.028	0.057	0.15	0.405	4.82	52.15%
VBRC013	VBRC0438	4	5	50.32	16.147	6.61	0.022	0.038	0.197	0.019	0.087	0.07	0.048	4.04	52.35%
VBRC013	VBRC0439	5	6	53.67	15.091	4.506	0.014	0.022	0.132	0.016	0.056	0.05	0.023	2.66	55.10%
VBRC013	VBRC0440	6	7	57.11	12.213	4.699	0.018	0.013	0.13	0.021	0.039	0.07	0.034	2.59	58.59%
VBRC013	VBRC0441	7	8	57.99	11.435	4.222	0.015	0.024	0.119	0.018	0.059	0.06	0.024	2.51	59.45%
VBRC013	VBRC0442	8	9	53.16	14.772	5.734	0.016	0.018	0.124	0.017	0.047	0.06	0.019	2.92	54.71%
VBRC013	VBRC0443	9	10	51.96	15.172	7.182	0.014	0.016	0.166	0.017	0.051	0.06	0.021	3.62	53.84%
VBRC013	VBRC0444	10	11	53.91	12.443	5.861	0.013	0.017	0.128	0.018	0.042	0.06	0.024	3.64	55.87%
VBRC013	VBRC0445	11	12	54	12.55	5.748	0.015	0.017	0.159	0.017	0.049	0.05	0.017	3.28	55.77%
VBRC013	VBRC0446	12	13	59.62	7.817	5.1	0.016	0.033	0.139	0.015	0.061	0.07	0.011	3.13	61.49%
VBRC013	VBRC0447	13	14	52.35	13.436	7.683	0.017	0.045	0.302	0.017	0.066	0.08	0.063	4.4	54.65%
VBRC013	VBRC0448	14	15	53.23	12.6	7.286	0.015	0.023	0.258	0.016	0.057	0.07	0.031	3.59	55.14%
VBRC013	VBRC0449	15	16	56.3	10.418	5.974	0.014	0.011	0.192	0.015	0.051	0.07	0.028	2.75	57.85%
VBRC013	VBRC0450	16	17	53.18	12.764	6.927	0.014	0.013	0.208	0.017	0.038	0.06	0.035	3.14	54.85%
VBRC013	VBRC0451	17	18	54.45	12.162	6.326	0.013	0.01	0.199	0.017	0.045	0.06	0.033	2.83	55.99%
VBRC013	VBRC0452	18	19	54	13.504	6.873	0.013	0.011	0.179	0.017	0.043	0.06	0.028	3.13	55.69%
VBRC013	VBRC0453	19	20	50.2	15.403	8.028	0.014	0.013	0.206	0.018	0.039	0.07	0.027	3.73	52.07%
VBRC013	VBRC0454	20	21	50.16	15.201	8.562	0.017	0.013	0.246	0.016	0.036	0.06	0.023	3.81	52.07%
VBRC013	VBRC0455	21	22	53.5	12.512	6.926	0.014	0.01	0.184	0.014	0.031	0.06	0.015	3.22	55.22%
VBRC013	VBRC0456	22	23	56.31	10.906	4.948	0.011	0.01	0.136	0.013	0.039	0.07	0.015	2.39	57.66%
VBRC013	VBRC0457	23	24	52.27	13.357	7.258	0.021	0.012	0.216	0.015	0.034	0.06	0.011	3.29	53.99%
VBRC013	VBRC0458	24	25	54.6	12.075	7.436	0.024	0.013	0.209	0.017	0.045	0.07	0.017	3.39	56.45%
VBRC013	VBRC0459	25	26	55.37	12.694	5.567	0.017	0.008	0.171	0.015	0.041	0.07	0.023	2.35	56.67%
VBRC013	VBRC0461	26	27	54.79	12.345	5.593	0.014	0.009	0.151	0.014	0.034	0.06	0.011	2.56	56.19%
VBRC013	VBRC0462	27	28	58.2	11.022	4.813	0.011	0.012	0.15	0.015	0.032	0.06	0.011	2.15	59.45%
VBRC013	VBRC0463	28	29	58.82	9.591	5.428	0.009	0.012	0.151	0.013	0.03	0.07	0.008	2.29	60.17%
VBRC013	VBRC0464	29	30	59.76	8.143	5.094	0.01	0.01	0.12	0.014	0.038	0.07	0.007	2.23	61.09%
VBRC013	VBRC0465	30	31	57.76	8.613	5.473	0.016	0.019	0.143	0.013	0.053	0.07	0.014	3.16	59.59%
VBRC013	VBRC0466	31	32	58.32	8.696	5.819	0.018	0.016	0.147	0.013	0.057	0.06	0.011	2.94	60.03%
VBRC013	VBRC0467	32	33	59.84	7.25	4.931	0.023	0.014	0.134	0.015	0.076	0.08	0.024	2.72	61.47%
VBRC013	VBRC0468	33	34	57.23	8.3	5.999	0.028	0.015	0.174	0.014	0.063	0.06	0.018	3.24	59.08%
VBRC013	VBRC0469	34	35	58.15	8.628	5.759	0.03	0.011	0.175	0.013	0.062	0.07	0.011	2.81	59.78%
VBRC013	VBRC0470	35	36	58.86	9.333	5.142	0.033	0.011	0.17	0.013	0.057	0.07	0.008	2.62	60.40%
VBRC013	VBRC0471	36	37	58.93	9.319	4.655	0.035	0.012	0.162	0.013	0.053	0.06	0.016	2.72	60.53%
VBRC013	VBRC0472	37	38	51	16.061	6.098	0.033	0.009	0.202	0.014	0.055	0.06	0.012	2.96	52.51%
VBRC013	VBRC0473	38	39	49.12	18.707	6.766	0.036	0.01	0.221	0.014	0.051	0.05	0.012	3.3	50.74%
VBRC013	VBRC0474	39	40	51.22	18.348	5.273	0.033	0.008	0.177	0.013	0.054	0.05	0.011	2.54	52.52%
VBRC013	VBRC0475	40	41	46.71	22.544	7.433	0.044	0.011	0.271	0.018	0.043	0.06	0.026	3.29	48.25%
VBRC013	VBRC0476	41	42	45.55	22.596	8.248	0.034	0.01	0.302	0.016	0.051	0.07	0.027	3.64	47.21%
VBRC013	VBRC0477	42	43	39.95	32.83	6.757	0.048	0.009	0.264	0.018	0.037	0.04	0.016	2.94	41.12%
VBRC013	VBRC0478	43	44	28.84	54.02	3.01	0.021	0.004	0.109	0.015	0.024	0.01	0.018	1.32	29.22%
VBRC013	VBRC0479	44	45	34.6	42.531	5.188	0.03	0.006	0.195	0.015	0.032	0.02	0.012	2.25	35.38%
VBRC013	VBRC0480	45	46	37.13	37.59	5.716	0.028	0.008	0.224	0.017	0.037	0.02	0.015	2.51	38.06%
VBRC013	VBRC0481	46	47	38.13	34.678	7.244	0.029	0.01	0.272	0.015	0.034	0.04	0.023	3.31	39.39%
VBRC013	VBRC0482	47	48	33.93	43.648	5.095	0.024	0.007	0.184	0.015	0.038	0.02	0.014	2.55	34.80%
VBRC013	VBRC0483	48	49	37.59	43.699	2.182	0.016	0.007	0.094	0.013	0.07	0.02	0.01	1.37	38.10%
VBRC013	VBRC0484	49	50	30.48	54.193	0.92	0.01	0.004	0.048	0.011	0.055	<Det	0.01	0.62	30.67%
VBRC013	VBRC0485	50	51	22.66	66.075	1.244	0.01	0.004	0.048	0.013	0.033	<Det	0.014	0.69	22.82%
VBRC013	VBRC0486	51	52	22	66.765	0.649	0.009	0.006	0.024	0.014	0.029	<Det	0.014	0.69	22.15%
VBRC013	VBRC0487	52	53	21.63	66.685	0.97	0.014	0.004	0.037	0.015	0.023	<Det	0.03	0.39	21.71%
VBRC013	VBRC0488	53	54	27.92	56.898	1.455	0.012	0.003	0.062	0.014	0.016	<Det	0.014	0.64	28.10%
VBRC013	VBRC0489	54	55	27.39	59.426	0.497	0.017	0.002	0.021	0.015	0.019	<Det	0.007	0.31	27.47%
VBRC013	VBRC0491	55	56	34.42	47.565	1.624	0.028	0.007	0.061	0.015	0.027	0.01	0.009	1.02	34.77%
VBRC013	VBRC0492	56	57	43.25	31.662	4.024	0.037	0.008	0.172	0.013	0.044	0.03	0.009	1.78	44.02%
VBRC013	VBRC0493	57	58	28.56	55.138	2.212	0.019	0.008	0.071	0.014	0.02	<Det	0.011	1	28.85%

LEGEND <58% 58-60% 60-64% >64%

HOLE ID	Sample ID	From (m)	To (m)	Fe %	SiO2 %	Al2O3 %	P %	S %	TiO2 %	CaO %	MnO %	MgO %	K2O %	LOI1000 %	Calcined Fe %
VBRC015	VBRC0410	67	68	33.54	49.239	2.297	0.027	<Det	0.08	0.021	0.09	0.01	0.007	1.23	33.95%
VBRC015	VBRC0411	68	69	27.71	56.112	2.085	0.026	<Det	0.07	0.022	0.079	<Det	0.009	1.05	28.00%
VBRC015	VBRC0412	69	70	35.55	42.807	3.443	0.036	<Det	0.111	0.024	0.108	0.02	0.009	1.72	36.16%
VBRC015	VBRC0413	70	71	39.62	37.123	4.839	0.043	0.004	0.192	0.031	0.128	0.05	0.015	2.22	40.50%
VBRC015	VBRC0414	71	72	37.87	38.948	4.318	0.041	0.002	0.173	0.029	0.116	0.04	0.011	1.91	38.59%
VBRC015	VBRC0415	72	73	37.62	41.937	2.529	0.028	<Det	0.092	0.021	0.094	0.03	0.007	1.31	38.11%
VBRC015	VBRC0416	73	74	39.28	40.339	2.497	0.026	0.003	0.087	0.028	0.191	0.04	0.026	1.37	39.82%
VBRC015	VBRC0417	74	75	32.08	49.079	2.247	0.024	<Det	0.083	0.021	0.071	0.01	0.007	1.12	32.44%
VBRC015	VBRC0418	75	76	39.73	35.382	4.807	0.04	<Det	0.175	0.026	0.103	0.04	0.006	2.31	40.65%
VBRC015	VBRC0419	76	77	40.04	32.534	6.049	0.055	0.001	0.217	0.029	0.096	0.06	0.007	2.83	41.17%
VBRC015	VBRC0420	77	78	34.36	45.692	3.631	0.036	0.001	0.131	0.026	0.072	0.03	0.011	1.66	34.93%
VBRC015	VBRC0421	78	79	32.76	51.6	1.687	0.021	0.001	0.071	0.021	0.065	0.02	0.01	0.85	33.04%
VBRC015	VBRC0422	79	80	40.42	38.464	2.905	0.031	0.001	0.117	0.026	0.114	0.05	0.02	1.51	41.03%
VBRC015	VBRC0423	80	81	34.93	49.13	1.289	0.016	<Det	0.046	0.019	0.068	0.01	0.012	0.68	35.17%
VBRC015	VBRC0424	81	82	35.69	45.075	3.526	0.033	0.002	0.15	0.026	0.07	0.03	0.013	1.6	36.26%
VBRC015	VBRC0425	82	83	31.51	51.419	2.7	0.028	<Det	0.105	0.023	0.056	0.02	0.009	1.34	31.93%
VBRC015	VBRC0426	83	84	33.03	47.651	2.607	0.029	0.002	0.114	0.023	0.057	0.03	0.014	1.24	33.44%
VBRC015	VBRC0427	84	85	40.4	34.608	4.732	0.047	0.001	0.213	0.028	0.064	0.06	0.013	2.26	41.31%
VBRC015	VBRC0428	85	86	34.13	45.093	3.779	0.035	0.001	0.148	0.023	0.062	0.03	0.008	1.81	34.75%
VBRC015	VBRC0429	86	87	32.17	48.028	3.565	0.034	0.001	0.139	0.025	0.057	0.03	0.008	1.61	32.69%
VBRC015	VBRC0431	87	88	28.91	55.879	2.286	0.025	0.002	0.097	0.022	0.043	0.01	0.01	1.08	29.22%
VBRC015	VBRC0432	88	89	30.11	53.707	2.448	0.026	<Det	0.114	0.02	0.041	0.02	0.005	1.22	30.48%
VBRC015	VBRC0433	89	90	30.36	53.953	2.031	0.025	<Det	0.088	0.02	0.029	0.01	0.009	1.03	30.67%
VBRC013	VBRC0434	0	1	41.09	22.98	10.221	0.043	0.051	0.48	0.026	0.12	0.11	0.273	7.53	44.18%
VBRC013	VBRC0435	1	2	34.24	28.787	11.799	0.027	0.078	0.628	0.073	0.029	0.26	0.832	7.27	36.73%
VBRC013	VBRC0436	2	3	33.68	30.174	12.25	0.016	0.054	0.766	0.059	0.021	0.17	0.429	7.42	36.18%
VBRC013	VBRC0437	3	4	49.75	14.921	7.577	0.021	0.051	0.273	0.028	0.057	0.15	0.405	4.82	52.15%
VBRC013	VBRC0438	4	5	50.32	16.147	6.61	0.022	0.038	0.197	0.019	0.087	0.07	0.048	4.04	52.35%
VBRC013	VBRC0439	5	6	53.67	15.091	4.506	0.014	0.022	0.132	0.016	0.056	0.05	0.023	2.66	55.10%
VBRC013	VBRC0440	6	7	57.11	12.213	4.699	0.018	0.013	0.13	0.021	0.039	0.07	0.034	2.59	58.59%
VBRC013	VBRC0441	7	8	57.99	11.435	4.222	0.015	0.024	0.119	0.018	0.059	0.06	0.024	2.51	59.45%
VBRC013	VBRC0442	8	9	53.16	14.772	5.734	0.016	0.018	0.124	0.017	0.047	0.06	0.019	2.92	54.71%
VBRC013	VBRC0443	9	10	51.96	15.172	7.182	0.014	0.016	0.166	0.017	0.051	0.06	0.021	3.62	53.84%
VBRC013	VBRC0444	10	11	53.91	12.443	5.861	0.013	0.017	0.128	0.018	0.042	0.06	0.024	3.64	55.87%
VBRC013	VBRC0445	11	12	54	12.55	5.748	0.015	0.017	0.159	0.017	0.049	0.05	0.017	3.28	55.77%
VBRC013	VBRC0446	12	13	59.62	7.817	5.1	0.016	0.033	0.139	0.015	0.061	0.07	0.011	3.13	61.49%
VBRC013	VBRC0447	13	14	52.35	13.436	7.683	0.017	0.045	0.302	0.017	0.066	0.08	0.063	4.4	54.65%
VBRC013	VBRC0448	14	15	53.23	12.6	7.286	0.015	0.023	0.258	0.016	0.057	0.07	0.031	3.59	55.14%
VBRC013	VBRC0449	15	16	56.3	10.418	5.974	0.014	0.011	0.192	0.015	0.051	0.07	0.028	2.75	57.85%
VBRC013	VBRC0450	16	17	53.18	12.764	6.927	0.014	0.013	0.208	0.017	0.038	0.06	0.035	3.14	54.85%
VBRC013	VBRC0451	17	18	54.45	12.162	6.326	0.013	0.01	0.199	0.017	0.045	0.06	0.033	2.83	55.99%
VBRC013	VBRC0452	18	19	54	13.504	6.873	0.013	0.011	0.179	0.017	0.043	0.06	0.028	3.13	55.69%
VBRC013	VBRC0453	19	20	50.2	15.403	8.028	0.014	0.013	0.206	0.018	0.039	0.07	0.027	3.73	52.07%
VBRC013	VBRC0454	20	21	50.16	15.201	8.562	0.017	0.013	0.246	0.016	0.036	0.06	0.023	3.81	52.07%
VBRC013	VBRC0455	21	22	53.5	12.512	6.926	0.014	0.01	0.184	0.014	0.031	0.06	0.015	3.22	55.22%
VBRC013	VBRC0456	22	23	56.31	10.906	4.948	0.011	0.01	0.136	0.013	0.039	0.07	0.015	2.39	57.66%
VBRC013	VBRC0457	23	24	52.27	13.357	7.258	0.021	0.012	0.216	0.015	0.034	0.06	0.011	3.29	53.99%
VBRC013	VBRC0458	24	25	54.6	12.075	7.436	0.024	0.013	0.209	0.017	0.045	0.07	0.017	3.39	56.45%
VBRC013	VBRC0459	25	26	55.37	12.694	5.567	0.017	0.008	0.171	0.015	0.041	0.07	0.023	2.35	56.67%
VBRC013	VBRC0461	26	27	54.79	12.345	5.593	0.014	0.009	0.151	0.014	0.034	0.06	0.011	2.56	56.19%
VBRC013	VBRC0462	27	28	58.2	11.022	4.813	0.011	0.012	0.15	0.015	0.032	0.06	0.011	2.15	59.45%
VBRC013	VBRC0463	28	29	58.82	9.591	5.428	0.009	0.012	0.151	0.013	0.03	0.07	0.008	2.29	60.17%
VBRC013	VBRC0464	29	30	59.76	8.143	5.094	0.01	0.01	0.12	0.014	0.038	0.07	0.007	2.23	61.09%
VBRC013	VBRC0465	30	31	57.76	8.613	5.473	0.016	0.019	0.143	0.013	0.053	0.07	0.014	3.16	59.59%
VBRC013	VBRC0466	31	32	58.32	8.696	5.819	0.018	0.016	0.147	0.013	0.057	0.06	0.011	2.94	60.03%
VBRC013	VBRC0467	32	33	59.84	7.25	4.931	0.023	0.014	0.134	0.015	0.076	0.08	0.024	2.72	61.47%
VBRC013	VBRC0468	33	34	57.23	8.3	5.999	0.028	0.015	0.174	0.014	0.063	0.06	0.018	3.24	59.08%
VBRC013	VBRC0469	34	35	58.15	8.628	5.759	0.03	0.011	0.175	0.013	0.062	0.07	0.011	2.81	59.78%
VBRC013	VBRC0470	35	36	58.86	9.333	5.142	0.033	0.011	0.17	0.013	0.057	0.07	0.008	2.62	60.40%
VBRC013	VBRC0471	36	37	58.93	9.319	4.655	0.035	0.012	0.162	0.013	0.053	0.06	0.016	2.72	60.53%
VBRC013	VBRC0472	37	38	51	16.061	6.098	0.033	0.009	0.202	0.014	0.055	0.06	0.012	2.96	52.51%
VBRC013	VBRC0473	38	39	49.12	18.707	6.766	0.036	0.01	0.221	0.014	0.051	0.05	0.012	3.3	50.74%
VBRC013	VBRC0474	39	40	51.22	18.348	5.273	0.033	0.008	0.177	0.013	0.054	0.05	0.011	2.54	52.52%
VBRC013	VBRC0475	40	41	46.71	22.544	7.433	0.044	0.011	0.271	0.018	0.043	0.06	0.026	3.29	48.25%
VBRC013	VBRC0476	41	42	45.55	22.596	8.248	0.034	0.01	0.302	0.016	0.051	0.07	0.027	3.64	47.21%
VBRC013	VBRC0477	42	43	39.95	32.83	6.757	0.048	0.009	0.264	0.018	0.037	0.04	0.016	2.94	41.12%
VBRC013	VBRC0478	43	44	28.84	54.02	3.01	0.021	0.004	0.109	0.015	0.024	0.01	0.018	1.32	29.22%
VBRC013	VBRC0479	44	45	34.6	42.531	5.188	0.03	0.006	0.195	0.015	0.032	0.02	0.012	2.25	35.38%
VBRC013	VBRC0480	45	46	37.13	37.59	5.716	0.028	0.008	0.224	0.017	0.037	0.02	0.015	2.51	38.06%
VBRC013	VBRC0481	46	47	38.13	34.678	7.244	0.029	0.01	0.272	0.015	0.034	0.04	0.023	3.31	39.39%
VBRC013	VBRC0482	47	48	33.93	43.648	5.095	0.024	0.007	0.184	0.015	0.038	0.02	0.014	2.55	34.80%
VBRC013	VBRC0483	48	49	37.59	43.699	2.182	0.016	0.007	0.094	0.013	0.07	0.02	0.01	1.37	38.10%
VBRC013	VBRC0484	49	50	30.48	54.193	0.92	0.01	0.004	0.048	0.011	0.055	<Det	0.01	0.62	30.67%
VBRC013	VBRC0485	50	51	22.66	66.075	1.244	0.01	0.004	0.048	0.013	0.033	<Det	0.014	0.69	22.82%
VBRC013	VBRC0486	51	52	22	66.765	0.649	0.009	0.006	0.024	0.014	0.029	<Det	0.014	0.69	22.15%
VBRC013	VBRC0487	52	53	21.63	66.685	0.97	0.014	0.004	0.037	0.015	0.023	<Det	0.03	0.39	21.71%
VBRC013	VBRC0488	53	54	27.92	56.898	1.455	0.012	0.003	0.062	0.014	0.016	<Det	0.014	0.64	28.10%
VBRC013	VBRC0489	54	55	27.39	59.426	0.497	0.017	0.002	0.021	0.015	0.019	<Det	0.007	0.31	27.47%
VBRC013	VBRC0491	55	56	34.42	47.565	1.624	0.028	0.007	0.061	0.015	0.027	0.01	0.009	1.02	34.77%
VBRC013	VBRC0492	56	57	43.25	31.662	4.024	0.037	0.008	0.172	0.013	0.044	0.03	0.009	1.78	44.02%
VBRC013	VBRC0493	57	58	28.56	55.138	2.212	0.019	0.008	0.071	0.014	0.02	<Det	0.011	1	28.85%

LEGEND <58% 58-60% 60-64% >64%

HOLE ID	Sample ID	From (m)	To (m)	Fe %	SiO2 %	Al2O3 %	P %	S %	TiO2 %	CaO %	MnO %	MgO %	K2O %	LOI1000 %	Calcined Fe %
VBRC012	VBRC0574	46	47	63.97	3.192	1.996	0.042	0.008	0.054	0.015	0.218	0.06	0.019	2.9	65.83%
VBRC012	VBRC0575	47	48	61.86	5.089	2.923	0.047	0.007	0.08	0.019	0.135	0.07	0.006	3.59	64.08%
VBRC012	VBRC0576	48	49	61.84	4.335	3.247	0.043	0.004	0.104	0.032	0.332	0.1	0.016	2.82	63.58%
VBRC012	VBRC0577	49	50	57.86	7.557	5.498	0.074	0.007	0.16	0.044	0.198	0.12	0.008	3.92	60.13%
VBRC012	VBRC0578	50	51	61.85	5.42	3.118	0.065	0.009	0.101	0.04	0.108	0.09	0.028	3.56	64.05%
VBRC012	VBRC0579	51	52	60.8	4.661	3.923	0.055	0.004	0.118	0.032	0.082	0.11	0.003	3.45	62.90%
VBRC012	VBRC0580	52	53	58.58	8.954	3.02	0.047	0.003	0.082	0.035	0.089	0.09	0.006	3.38	60.56%
VBRC012	VBRC0581	53	54	53.56	17.67	2.074	0.037	0.004	0.063	0.126	0.073	0.08	0.006	2.86	55.09%
VBRC011	VBRC0582	0	1	31.28	28.774	13.949	0.047	0.048	0.571	0.093	0.133	0.1	0.154	10.46	34.55%
VBRC011	VBRC0583	1	2	41.61	20.416	8.375	0.048	0.059	0.338	0.056	0.022	0.07	0.081	10.54	46.00%
VBRC011	VBRC0584	2	3	39.94	21.871	8.954	0.038	0.063	0.25	0.054	0.022	0.07	0.086	10.6	44.17%
VBRC011	VBRC0585	3	4	40.59	19.121	11.882	0.038	0.062	0.268	0.034	0.016	0.05	0.026	10.24	44.75%
VBRC011	VBRC0586	4	5	57.89	7.956	5.025	0.02	0.021	0.067	0.016	0.04	0.06	0.011	3.67	60.01%
VBRC011	VBRC0587	5	6	57.72	9.468	5.515	0.015	0.01	0.08	0.017	0.041	0.07	0.02	2.9	59.39%
VBRC011	VBRC0588	6	7	60.06	6.771	3.555	0.015	0.023	0.065	0.016	0.054	0.07	0.006	2.9	61.80%
VBRC011	VBRC0589	7	8	60.58	7.507	3.661	0.016	0.025	0.062	0.017	0.033	0.06	0.007	2.88	62.32%
VBRC011	VBRC0591	8	9	65.39	2.65	1.871	0.021	0.036	0.036	0.011	0.037	0.06	0.007	3	67.35%
VBRC011	VBRC0592	9	10	56.8	7.615	4.882	0.03	0.052	0.077	0.013	0.022	0.06	0.01	6.66	60.58%
VBRC011	VBRC0593	10	11	59.85	6.77	4.505	0.024	0.03	0.083	0.016	0.029	0.08	0.015	4.48	62.53%
VBRC011	VBRC0594	11	12	62.22	5.61	2.888	0.027	0.027	0.062	0.018	0.042	0.09	0.007	3.21	64.22%
VBRC011	VBRC0595	12	13	52.88	13.243	6.073	0.021	0.039	0.083	0.021	0.027	0.06	0.018	5.11	55.58%
VBRC011	VBRC0596	13	14	51.22	15.134	6.369	0.025	0.05	0.093	0.026	0.024	0.06	0.027	5.73	54.15%
VBRC011	VBRC0597	14	15	52.77	12.501	5.958	0.022	0.054	0.076	0.021	0.029	0.07	0.019	5.95	55.91%
VBRC011	VBRC0598	15	16	56.45	9.612	4.312	0.019	0.045	0.066	0.017	0.026	0.06	0.021	5.14	59.35%
VBRC011	VBRC0599	16	17	42.95	20.506	10.105	0.016	0.045	0.165	0.019	0.022	0.06	0.019	7.51	46.18%
VBRC011	VBRC0600	17	18	45.98	17.981	8.941	0.022	0.045	0.177	0.02	0.021	0.05	0.021	7	49.20%
VBRC011	VBRC0601	18	19	62.52	4.53	2.832	0.027	0.027	0.055	0.012	0.06	0.06	0.008	3.61	64.78%
VBRC011	VBRC0602	19	20	62.19	4.428	3.321	0.028	0.017	0.072	0.012	0.052	0.05	0.004	3.01	64.06%
VBRC011	VBRC0603	20	21	54.21	12.281	6.227	0.019	0.033	0.113	0.017	0.035	0.06	0.026	5.08	56.96%
VBRC011	VBRC0604	21	22	42.86	22.352	9.701	0.018	0.036	0.144	0.028	0.017	0.07	0.069	6.68	45.72%
VBRC011	VBRC0605	22	23	53.83	10.986	6.032	0.021	0.032	0.103	0.016	0.028	0.06	0.028	6.2	57.17%
VBRC011	VBRC0606	23	24	57.87	8.092	4.211	0.021	0.029	0.07	0.017	0.035	0.06	0.02	5.98	61.33%
VBRC011	VBRC0607	24	25	49.47	13.974	8.832	0.031	0.036	0.16	0.022	0.04	0.07	0.046	6.88	52.87%
VBRC011	VBRC0608	25	26	57.31	7.517	5.43	0.024	0.034	0.124	0.012	0.04	0.05	0.011	5.17	60.27%
VBRC011	VBRC0609	26	27	53.61	9.396	7.337	0.023	0.065	0.159	0.013	0.042	0.07	0.039	7.24	57.49%
VBRC011	VBRC0610	27	28	36.24	23.205	14.129	0.023	0.08	0.255	0.02	0.032	0.07	0.089	9.78	39.78%
VBRC011	VBRC0611	28	29	34.98	25.397	14.486	0.021	0.075	0.231	0.016	0.03	0.06	0.068	9.56	38.32%
VBRC011	VBRC0612	29	30	44.06	17.808	10.8	0.014	0.053	0.145	0.013	0.03	0.06	0.046	7.25	47.25%
VBRC011	VBRC0613	30	31	54.39	9.075	6.357	0.017	0.034	0.098	0.014	0.035	0.07	0.047	5.41	57.33%
VBRC011	VBRC0614	31	32	55.06	9.755	7.066	0.012	0.03	0.139	0.012	0.028	0.06	0.037	4.96	57.79%
VBRC011	VBRC0615	32	33	43.49	17.329	12.771	0.017	0.058	0.202	0.014	0.025	0.06	0.039	7.97	46.96%
VBRC011	VBRC0616	33	34	49.69	11.121	8.339	0.02	0.089	0.153	0.012	0.031	0.06	0.026	9.24	54.28%
VBRC011	VBRC0617	34	35	60.19	5.694	4.187	0.025	0.049	0.108	0.011	0.049	0.06	0.017	5.26	63.36%
VBRC011	VBRC0618	35	36	60.23	4.826	2.924	0.023	0.061	0.08	0.01	0.043	0.05	0.011	5.12	63.31%
VBRC011	VBRC0619	36	37	45.96	27.454	1.501	0.031	0.154	0.039	0.011	0.049	0.02	0.083	3.97	47.78%
VBRC011	VBRC0620	37	38	50.96	20.128	3.377	0.021	0.306	0.098	0.01	0.048	0.04	0.198	3.55	52.77%
VBRC011	VBRC0621	38	39	51.21	18.868	4.101	0.017	0.478	0.108	0.011	0.042	0.04	0.322	4.17	53.35%
VBRC011	VBRC0622	39	40	46.03	30.38	2.471	0.016	0.143	0.078	0.01	0.04	0.04	0.127	2.36	47.12%
VBRC011	VBRC0623	40	41	45.46	27.608	3.775	0.03	0.235	0.132	0.01	0.05	0.03	0.158	3.16	46.90%
VBRC011	VBRC0624	41	42	38.92	39.07	2.84	0.022	0.105	0.084	0.01	0.046	0.01	0.064	2.18	39.77%
VBRC011	VBRC0625	42	43	38.83	41.098	2.408	0.019	0.043	0.084	0.012	0.059	0.01	0.025	1.61	39.46%
VBRC011	VBRC0626	43	44	31.69	51.862	1.852	0.016	0.083	0.066	0.013	0.044	<Det	0.059	1.18	32.06%
VBRC011	VBRC0627	44	45	43.7	33.362	2.699	0.021	0.113	0.088	0.012	0.069	0.02	0.078	1.79	44.48%
VBRC011	VBRC0628	45	46	37.86	42.96	1.915	0.018	0.072	0.059	0.013	0.047	0.01	0.064	1.35	38.37%
VBRC011	VBRC0629	46	47	37.72	43.009	1.997	0.019	0.062	0.062	0.014	0.083	0.02	0.049	1.37	38.24%
VBRC011	VBRC0631	47	48	43.88	31.896	4.101	0.042	0.064	0.137	0.013	0.073	0.02	0.042	2.26	44.87%
VBRC011	VBRC0632	48	49	39.82	39.407	2.279	0.024	0.028	0.093	0.012	0.061	0.03	0.017	1.82	40.54%
VBRC011	VBRC0633	49	50	24.88	42.124	14.009	0.035	0.077	0.591	0.015	0.042	0.67	2.92	5.69	26.30%
VBRC011	VBRC0634	50	51	19.61	47.23	15.163	0.027	0.079	0.623	0.014	0.069	0.92	4.111	5.18	20.63%
VBRC011	VBRC0635	51	52	9.55	55.01	20.557	0.023	0.074	0.795	0.016	0.102	0.91	4.111	6.36	10.16%
VBRC011	VBRC0636	52	53	10.82	55.173	18.246	0.03	0.125	0.679	0.015	0.07	0.95	4.341	5.34	11.40%
VBRC011	VBRC0637	53	54	7.79	54.606	22.293	0.029	0.156	0.81	0.016	0.074	0.6	2.815	7.88	8.40%
VBRC010	VBRC0638	0	1	43.06	24.553	6.79	0.026	0.107	0.553	0.054	0.093	0.09	0.195	5.02	45.22%
VBRC010	VBRC0639	1	2	32.89	32.113	12.02	0.021	0.05	0.8	0.07	0.014	0.07	0.103	8.89	35.81%
VBRC010	VBRC0640	2	3	40.96	20.916	10.315	0.024	0.051	0.713	0.045	0.023	0.08	0.04	9.39	44.81%
VBRC010	VBRC0641	3	4	42.15	18.037	11.037	0.032	0.05	0.572	0.026	0.014	0.08	0.052	10.66	46.64%
VBRC010	VBRC0642	4	5	52.23	9.765	7.188	0.023	0.027	0.287	0.021	0.021	0.08	0.012	7.51	56.15%
VBRC010	VBRC0643	5	6	58.8	6.439	4.777	0.019	0.022	0.099	0.016	0.026	0.07	0.014	6.45	62.59%
VBRC010	VBRC0644	6	7	58.29	5.907	4.995	0.033	0.023	0.094	0.017	0.04	0.1	0.006	7.18	62.48%
VBRC010	VBRC0645	7	8	57.99	7.022	4.734	0.022	0.015	0.113	0.02	0.028	0.08	0.012	5.3	61.06%
VBRC010	VBRC0646	8	9	62.07	3.674	2.915	0.027	0.011	0.073	0.012	0.05	0.07	0.004	4.32	64.75%
VBRC010	VBRC0647	9	10	62.25	3.522	2.917	0.029	0.012	0.075	0.012	0.042	0.06	0.003	3.84	64.64%
VBRC010	VBRC0648	10	11	61.15	4.903	3.912	0.03	0.016	0.094	0.016	0.044	0.07	0.004	3.88	63.52%
VBRC010	VBRC0649	11	12	56.83	5.719	5.157	0.028	0.013	0.119	0.026	0.037	0.07	0.003	8.7	61.77%
VBRC010	VBRC0650	12	13	58.4	5.698	4.507	0.025	0.027	0.096	0.032	0.061	0.08	0.018	6.22	62.03%
VBRC010	VBRC0651	13	14	63.71	3.977	2.984	0.021	0.02	0.061	0.024	0.079	0.08	0.008	2.59	65.36%
VBRC010	VBRC0652	14	15	62.67	4.414	3.233	0.02	0.015	0.062	0.023	0.072	0.08	0.006	2.64	64.32%

LEGEND <58% 58-60% 60-64% >64%

HOLE ID	Sample ID	From (m)	To (m)	Fe %	SiO2 %	Al2O3 %	P %	S %	TiO2 %	CaO %	MnO %	MgO %	K2O %	LOI1000 %	Calcined Fe %
VBRC010	VBRC0653	15	16	63.57	3.897	3.086	0.015	0.014	0.042	0.023	0.085	0.08	0.005	2.66	65.26%
VBRC010	VBRC0654	16	17	60.14	7.607	3.429	0.015	0.022	0.09	0.036	0.077	0.09	0.031	3.74	62.39%
VBRC010	VBRC0655	17	18	63.76	4.527	2.276	0.016	0.019	0.06	0.022	0.05	0.09	0.013	2.46	65.33%
VBRC010	VBRC0656	18	19	59.79	6.798	4.062	0.035	0.038	0.092	0.023	0.065	0.1	0.023	4.29	62.35%
VBRC010	VBRC0657	19	20	57.86	9.265	4.71	0.054	0.021	0.102	0.022	0.077	0.09	0.014	3.59	59.94%
VBRC010	VBRC0658	20	21	61.73	6.218	3.098	0.056	0.02	0.072	0.021	0.124	0.1	0.011	3.33	63.79%
VBRC010	VBRC0659	21	22	57.37	9.075	4.874	0.087	0.016	0.124	0.021	0.136	0.07	0.009	3.75	59.52%
VBRC010	VBRC0661	22	23	61.66	5.859	3.095	0.059	0.01	0.077	0.02	0.118	0.07	0.005	2.32	63.09%
VBRC010	VBRC0662	23	24	63.34	4.14	2.656	0.072	0.014	0.077	0.016	0.138	0.08	0.003	2.37	64.84%
VBRC010	VBRC0663	24	25	63.88	4.193	3.222	0.076	0.021	0.098	0.018	0.147	0.07	0.004	2.13	65.24%
VBRC010	VBRC0664	25	26	64.95	3.474	2.466	0.066	0.017	0.089	0.018	0.15	0.07	0.003	1.83	66.14%
VBRC010	VBRC0665	26	27	57.64	6.803	5.295	0.092	0.021	0.163	0.026	0.204	0.06	0.003	3.13	59.44%
VBRC010	VBRC0666	27	28	23.12	30.247	24.723	0.226	0.048	0.865	0.051	0.049	0.25	1.11	9.55	25.33%
VBRC010	VBRC0667	28	29	18.9	32.8	25.724	0.181	0.041	0.913	0.045	0.039	0.56	3.133	9.26	20.65%
VBRC010	VBRC0668	29	30	17.54	34.303	26.196	0.135	0.04	0.964	0.04	0.044	0.72	4.05	8.5	19.03%
VBRC010	VBRC0669	30	31	16.55	35.537	27.345	0.085	0.029	0.913	0.04	0.019	0.52	2.748	9.1	18.06%
VBRC010	VBRC0670	31	32	19.67	33.849	25.37	0.067	0.025	0.83	0.035	0.025	0.57	2.821	8.45	21.33%
VBRC010	VBRC0671	32	33	11.96	41.499	27.622	0.045	0.016	0.874	0.034	0.016	0.79	4.125	8.14	12.93%
VBRC010	VBRC0672	33	34	9.41	61.901	16.143	0.032	0.014	0.529	0.026	0.01	0.44	2.503	4.93	9.87%
VBRC010	VBRC0673	34	35	8.84	61.181	17.301	0.025	0.014	0.577	0.026	0.013	0.54	3.268	4.99	9.28%
VBRC010	VBRC0674	35	36	8.01	61.535	17.996	0.023	0.011	0.594	0.027	0.008	0.53	3.44	4.99	8.41%
VBRC010	VBRC0675	36	37	6.81	65.488	15.375	0.023	0.008	0.527	0.023	0.016	0.54	3.656	3.92	7.08%
VBRC010	VBRC0676	37	38	6.92	64.442	17.957	0.022	0.007	0.581	0.028	0.014	0.56	3.987	4.35	7.22%
VBRC010	VBRC0677	38	39	7.4	61.868	18.098	0.022	0.008	0.567	0.027	0.021	0.53	3.746	4.65	7.74%
VBRC010	VBRC0678	39	40	10.41	62.613	14.751	0.02	0.009	0.488	0.023	0.032	0.44	3.296	3.78	10.80%
VBRC010	VBRC0679	40	41	9.86	64.673	14.279	0.021	0.006	0.503	0.024	0.041	0.43	3.315	3.51	10.21%
VBRC010	VBRC0680	41	42	8.41	62.381	15.799	0.018	0.005	0.536	0.027	0.046	0.44	3.398	4.1	8.75%
VBRC010	VBRC0681	42	43	9.69	62.694	15.777	0.02	0.005	0.546	0.028	0.042	0.42	3.235	4.19	10.10%
VBRC010	VBRC0682	43	44	8.75	68.433	13.222	0.017	0.002	0.471	0.029	0.024	0.32	2.551	3.61	9.07%
VBRC010	VBRC0683	44	45	10.32	64.938	14.092	0.024	0.002	0.5	0.033	0.032	0.31	2.483	4.01	10.73%
VBRC010	VBRC0684	45	46	7.83	67.862	14.661	0.024	0.002	0.544	0.03	0.018	0.41	3.23	3.58	8.11%
VBRC010	VBRC0685	46	47	7.98	67.526	14.789	0.024	0.001	0.54	0.029	0.022	0.44	3.481	3.39	8.25%
VBRC010	VBRC0686	47	48	10.28	64.274	13.573	0.025	0.002	0.478	0.032	0.022	0.32	2.62	4.48	10.74%

APPENDIX 3
JORC Code, 2012 Edition – Table 1
Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	*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 down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling.* *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* *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 pulverized 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.*	RC samples were collected into calico bags over 1m intervals using a cyclone splitter. The residual bulk samples were collected in green UV plastic bags. 1 cone split was taken off the rig splitter. Single metre samples were taken. Each sample weighed approximately 3kg.
Drilling techniques	*Drill type (e.g. 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.).*	All drilling was completed by an Atlas Copco ROCL8 Mk2 drill rig. Air supply was via a 30 Bar 1050 cfm compressor. Face sampling hammers were used with standard 5 1/4" hole diameter. Samples were split through a static cone splitter.
Drill sample recovery	*Method of recording and assessing core and chip sample recoveries and results assessed.* *Measures taken to maximise sample recovery and ensure representative nature of the samples.* *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.*	Sample recovery data was noted in geological comments as part of the logging process. Sample condition has been logged for every metre interval as part of the logging process. Drilling was observed at all times and recoveries were observed to be high and consistent; thus sampling is considered to be representative, and without sample bias.

Logging	*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.* *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.* *The total length and percentage of the relevant intersections logged.*	Geological logging of all RC chips in 1m intervals of the drilling was completed in Microsoft Excel on Toughbook laptops on site. Colour, Lithology, structure, texture, veining, sulphide content, alteration, weathering details were all captured. All drillhole logging was validated and uploaded into the Company's datashed database. Photographs of all holes were taken and stored on the Company's online storage. All drill holes were chipped and stored in labelled chip trays. Drill chip trays are stored on site and made accessible for future validation.
Sub-sampling techniques and sample preparation	*If core, whether cut or sawn and whether quarter, half or all core taken.* *If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.* *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* *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.* *Whether sample sizes are appropriate to the grain size of the material being sampled.*	Sample preparation of Alchemy samples follows industry best practice standards at accredited laboratories. Sample preparation comprises oven drying, jaw crushing and pulverising to -75 microns (80% first pass). Sample sizes (1.5kg – 5kg) are considered appropriate for the technique. RC samples consist of 1m split samples taken in the field. All samples have subsequently been delivered to Spectrolab Laboratories in Geraldton.
Quality of Assay data and laboratory tests	*The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* *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.* *Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.*	Samples were submitted to Spectrolab Laboratories in Geraldton and were analysed via XRF fusion and Loss on Ignition analysis. Standards and blanks were inserted every 40 samples for QAQC purposes. Spectrolab included internal standards. The analytical techniques and quality control protocols used are considered appropriate for the data to be used.
Verification of sampling and assaying	*The verification of significant intersections by either independent or alternative company personnel.* *The use of twinned holes.*	All significant intersections were verified by alternative Company personnel. Data was collected by qualified geologists and supervised geo-technicians. All data has been entered into Excel spreadsheets. Validation rules

	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. *Discuss any adjustment to assay data.*	are in place to ensure no data entry errors occur. Data is loaded into a Datashed database by an experienced database administrator, and reviewed by an Alchemy geologist, who is a competent person. No assay adjustments have been made.
Location of data points	*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.* *Specification of the grid system used.* *Quality and adequacy of topographic control.*	A handheld GPS was used to locate the data positions, with an expected +/-5m vertical and horizontal accuracy. The grid system used for all collar locations is the UTM Geocentric Datum of Australia 1994 (MGA94 Zone 50). GPS measurements of sample positions are sufficiently accurate for first pass geochemical sampling. Nominal Relative Levels were assigned from 1 sec (30m) satellite data. A gyro survey tool was used after the completion of each hole taking a measurement every 30m of the azimuth and dip of the hole for each interval.
Data spacing and distribution	*Data spacing for reporting of Exploration Results.* *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.* *Whether sample compositing has been applied.*	Drill lines were spaced approximately 100-200m apart. The spacing and location of the majority of drilling in the project is, by the nature of early exploration, variable and in parts dictated by access.
Orientation of data in relation to geological structure	*Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type* *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.*	Drilling is dominantly perpendicular to regional geological trends where interpreted and practical. Wherever possible, cross sections are shown to give a visual indication of the relationship between intersection width and lode thickness. Reverse circulation drilling was drilled perpendicular to the interpreted east-west trending mineralised strike. No sampling bias is thought to have been introduced due to drill orientation. The spacing and location of the data is currently only being considered for exploration purposes.
Sample security	*The measures taken to ensure sample security.*	Samples are collected in polyweave bags and delivered directly from site to the assay laboratory in Geraldton via Courier with chain of custody managed by Alchemy personnel. High Level of Security – the sampling was carried out by Alchemy personnel.

Audits or reviews	*The results of any audits or reviews of sampling techniques and data.*	Considering the preliminary nature of the drill program, no external audit or review of the sampling techniques or sample data capture has been conducted to date. No review has been carried out to date. Group technical reviews are carried out periodically.

APPENDIX 4

Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	*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.* *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.*	Type – Exploration Licence (currently in good standing). Reference name – Bryah, Valley Bore, Old Highway. Reference number – M52/844-I, E52/4090, E52/4088, E52/4087. Location – 130km north of Meekatharra, Australia. Ownership – 100% Alchemy Resources (Three Rivers) Pty Ltd, a wholly owned subsidiary of Alchemy Resources Limited. Alchemy retains the rights to 100% of the mineral rights for all minerals including iron ore, with Newcam Minerals holding an option to purchase 60% of the tenements with Alchemy's 40% interest free carried to Decision to Mine. Overriding royalties: Troy Resources – 75c/tonne production royalty on iron ore production from the project. Carey Mining – sliding scale royalty on production outlined in ASX release dated 3 June 2025. The land is 100% freehold. No Wilderness Reserves, National Parks, Native Title sites or registered historical sites are known. No environmental issues are known.
Exploration done by other parties	*Acknowledgment and appraisal of exploration by other parties.*	A significant amount of exploration has been conducted across the majority of M52/844-I, E52/4090, E52/4088 by Sandfire Resources and Independence Group Ltd. Iron ore potential in the Robinson Range was first outlined in work by the Geological Survey of Western Australia (Sofoulis J, 1970, Iron Deposits of the Robinson Range, Peak Hill Goldfields, WA. GSWA Record 1970/6). Historical exploration by Alchemy Resources was conducted in 2008-2009 which included mapping and a rock-chipping program where 55 samples were collected.
Geology	*Deposit type, geological setting and style of mineralisation*	Deposit Type – Iron ore. Geological setting – Valley Bore is dominated by two distinct northeast trending ridges. These ridges are comprised of banded iron formations,

		banded chert, siltstone, hematitic shales, and massive hematite lenses. These ridges are separated by a thick siltstone unit with minor sandstone. An inferred northwest trending fault is also interpreted to cut across the target area.
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.* *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.*	A list of the drill hole coordinates, orientations and intersections reported in this announcement is provided as an appended table in Appendix 1.
Data aggregation methods	*In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* *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.* *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	No data aggregation methods were used. No metal equivalents have been reported.
Relationship between mineralisation widths and intercept lengths	*These relationships are particularly important in the reporting of Exploration Results.* *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* *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').*	All drilling was conducted using appropriate perpendicular orientations for interpreted mineralisation. Stratigraphy appears to be steeply dipping to the north however mineralisation may have a different orientation due to localised folding. Cross sections are shown wherever possible to illustrate relationships between drilling and interpreted mineralisation.

Diagrams	*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.*	Appropriate plans and sections have been included in the body of this announcement.
Balanced reporting	*Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced avoiding misleading reporting of Exploration Results.*	The accompanying document is a balanced report with a suitable cautionary note.
Other substantive exploration data	*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.*	All meaningful data and relevant information have been included in the body of the report.
Further work	*The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	Further mapping, rock chip sampling and drilling across the strike extent of mapped iron enrichment.