ASX ANNOUNCEMENT

ASX: ALY

11 December 2025

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Further high-grade iron ore intercepts at Valley Bore

HIGHLIGHTS

- Assays received for the remaining six (6) RC holes from the Southern Ridge target at Valley Bore in Western Australia. Best new intercepts include:
  - **VBRC008: 50m @ 62.5% Fe (64.4% Fe Calcined) from 17m**
    Incl. 21m @ 63% Fe (64.6% Fe Calcined) from 46m
  - **VBRC016 40m @ 62.5% Fe (65% Fe Calcined) from 3m**
    Incl. 17m @ 63.8% Fe (66.4% Fe Calcined) from 26m
  - **VBRC006: 6m @ 59.6% Fe (61.1% Fe Calcined) from 24m**
- This is in addition to previously reported results[1] (refer 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
    11m @ 61% Fe (62.4% Fe Calcined) from 47m
- Iron ore mineralisation at Valley Bore now extends in drilling over a 600m strike length and remains open at depth and along strike. Historic rock chip sampling confirms structural continuation beyond existing drilling showing potential upside.
- Strong regional upside, with the untested Old Highway target area located along strike to the north-east of Valley Bore having previously returned similar high-grade rock chip results and one of several high priority targets for Alchemy.

[1] Refer to ALY ASX Announcement Dated 9 December 2025 – Drilling returns extensive high grade iron ore hits at Valley Bore

Alchemy Resources Limited (ASX: ALY) ("Alchemy" or "the Company") is pleased to provide additional 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. Results from the first nine holes were released previously[1], with results from the remaining six holes summarised in this announcement.

Chief Executive Officer Mr James Wilson commented: *"These latest results from Southern Ridge confirm the exceptional quality of iron ore mineralisation at the Valley Bore Project, with wide, high-grade intercepts delivered consistently across the target area. Importantly, mineralisation remains open both along strike and at depth, highlighting the substantial growth opportunity that still exists. With drilling now defining mineralisation over more than 600 metres of strike and supported by strong surface geochemical continuity, the Project continues to demonstrate the scale and grade characteristics that are highly attractive from a development perspective. The Project also benefits from excellent infrastructure advantages, being located close to sealed highway access and within trucking distance of export pathways. Importantly, our option agreement with Newcam Minerals Pty Ltd ("Newcam") provides a potential pathway to accelerate development, should Newcam elect to exercise its option and advance the Project. These results significantly enhance the strategic value of the Project and position us strongly for the next phase of growth."*

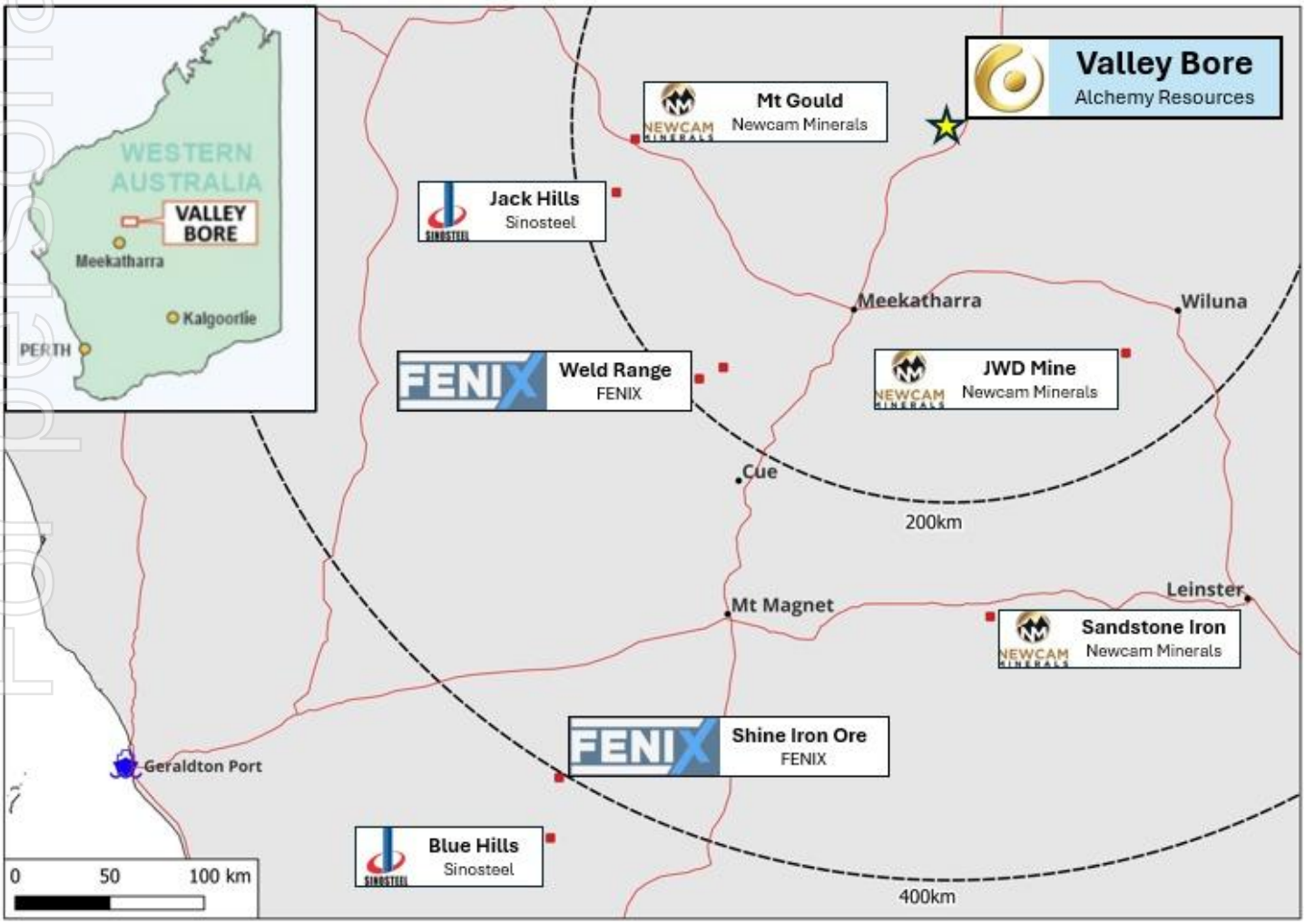

Figure 1: Valley Bore Project location

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[2]. 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 updated drill results received to date is shown below over the Southern Ridge outcrop mapping, including the assay results from the six remaining RC holes.

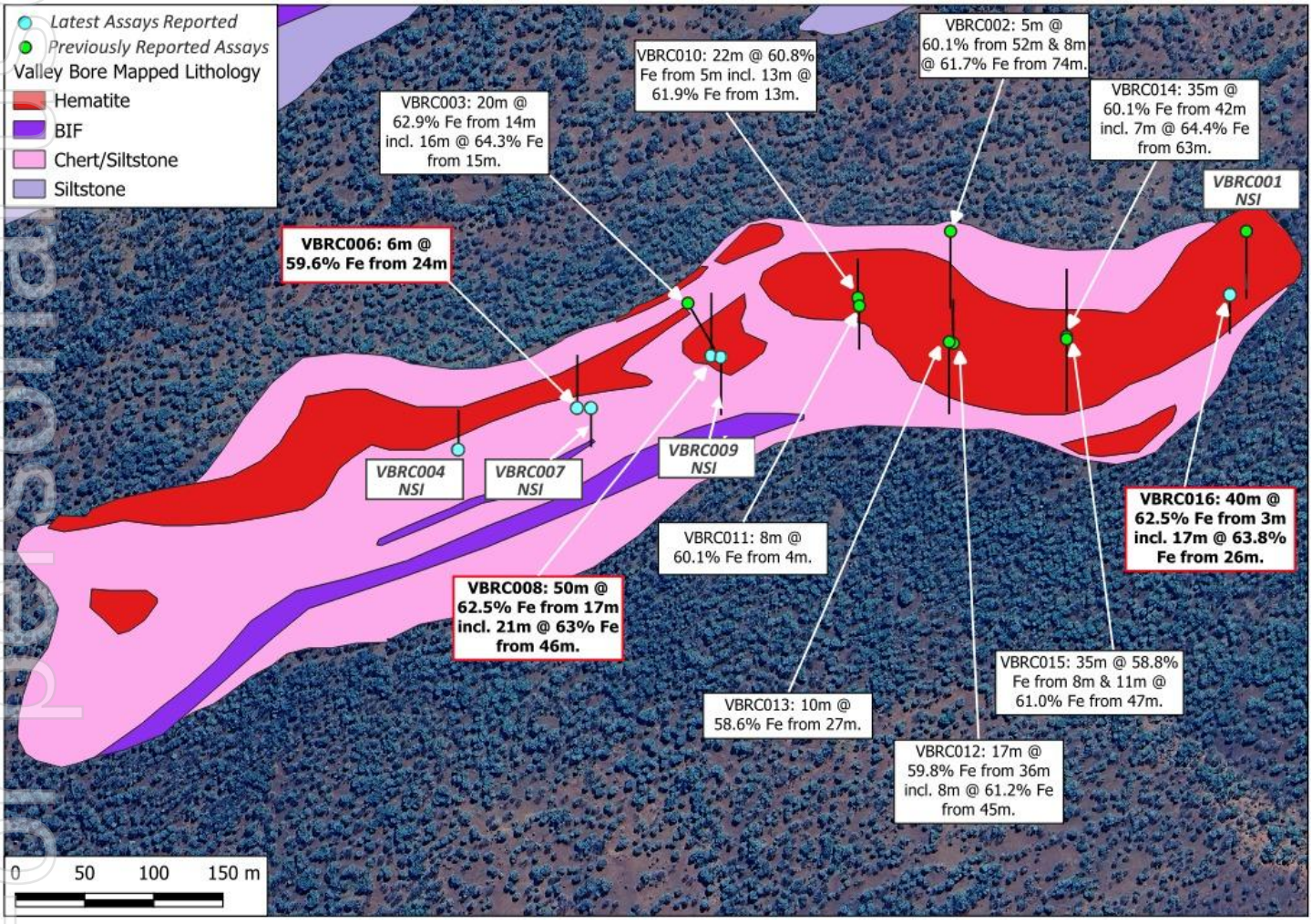

Figure 2: Southern Ridge prospect showing results from the recent RC drill program[1]

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

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
						Including	15	31	16	**64.3**	**66.2**	3.26	2.19	0.03	2.91
						Including	41	45	4	**58**	**59.7**	11.5	3.21	0.05	2.77
VBRC004	**700134**	**7154030**	**616**	**0**	**-55**	**49**				NSI					
VBRC006	**700220**	**7154060**	**617**	**0**	**-55**	**66**	**24**	**30**	**6**	**59.6**	**61.1**	**8.73**	**3.32**	**0.03**	**2.48**
VBRC007	**700230**	**7154060**	**617**	**180**	**-55**	**48**				NSI					
VBRC008	**700317**	**7154098**	**617**	**0**	**-55**	**78**	**17**	**67**	**50**	**62.5**	**64.4**	**4.83**	**2.73**	**0.04**	**2.95**
						Including	**46**	**67**	**21**	**63**	**64.6**	**5.12**	**2.36**	**0.04**	**2.51**
VBRC009	**700324**	**7154097**	**618**	**180**	**-55**	**72**				NSI					
VBRC010	700423	7154140	625	0	-55	48	5	27	22	**60.8**	**63.3**	5.6	3.75	0.04	3.94
						Including	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
						Including	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
						Including	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
						Including	19	27	8	**60**	**61.5**	6.72	5.24	0.02	2.41
						Including	35	42	7	**60.6**	**62.2**	5.68	4.86	0.04	2.51
						Including	47	58	11	**61**	**62.4**	5.2	4	0.04	2.26
VBRC016	**700692**	**7154142**	**607**	**180**	**-55**	**48**	**3**	**43**	**40**	**62.5**	**65.0**	**3**	**3.43**	**0.04**	**3.79**
						Including	**26**	**43**	**17**	**63.8**	**66.4**	**2.58**	**2.36**	**0.04**	**3.92**

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.

New intercepts reported in this announcement shown in red, previously reported intercepts shown in black.

For previous results refer to ALY ASX Announcement dated 9 December 2025 – Drilling returns extensive high grade iron ore hits at Valley Bore.

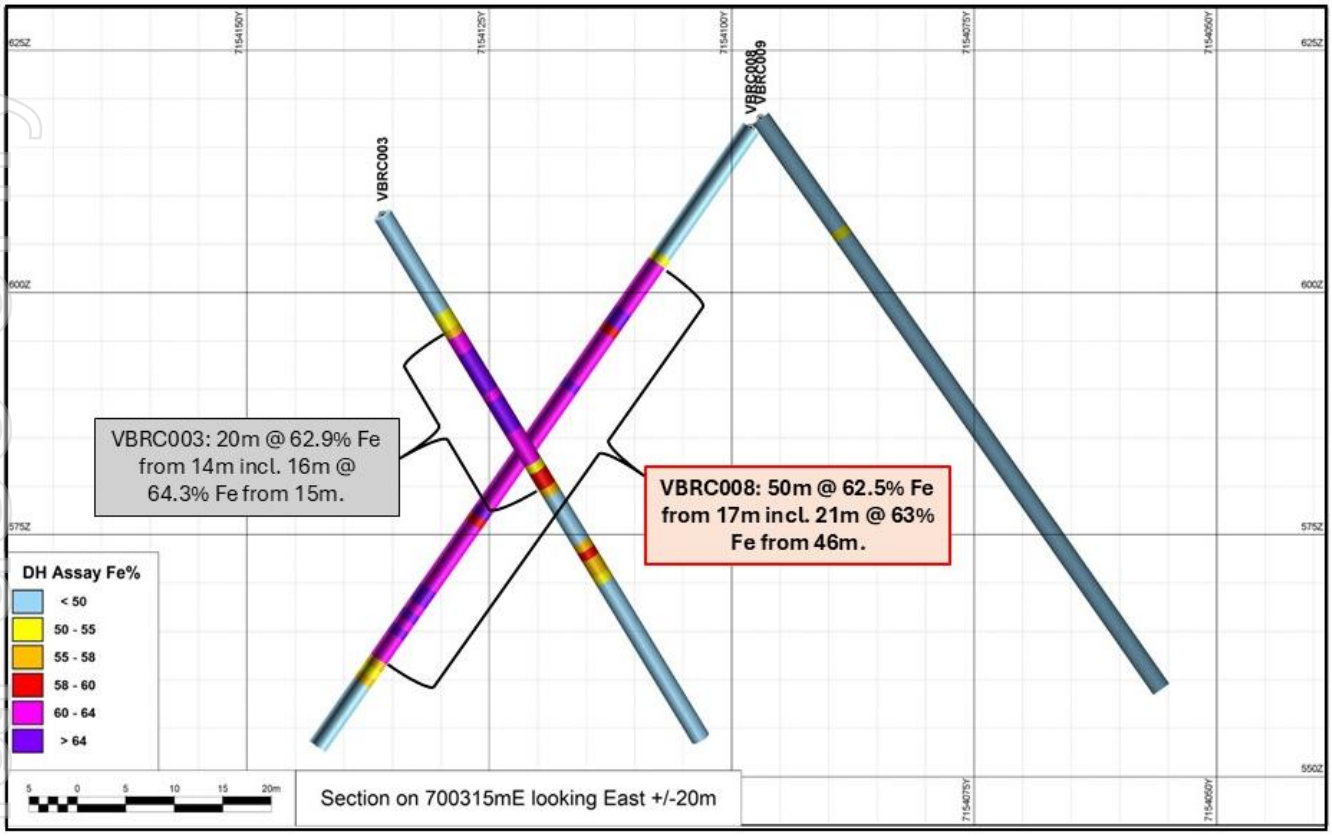

Figure 3: Section 700315mE looking east (new intercept in red)[1]

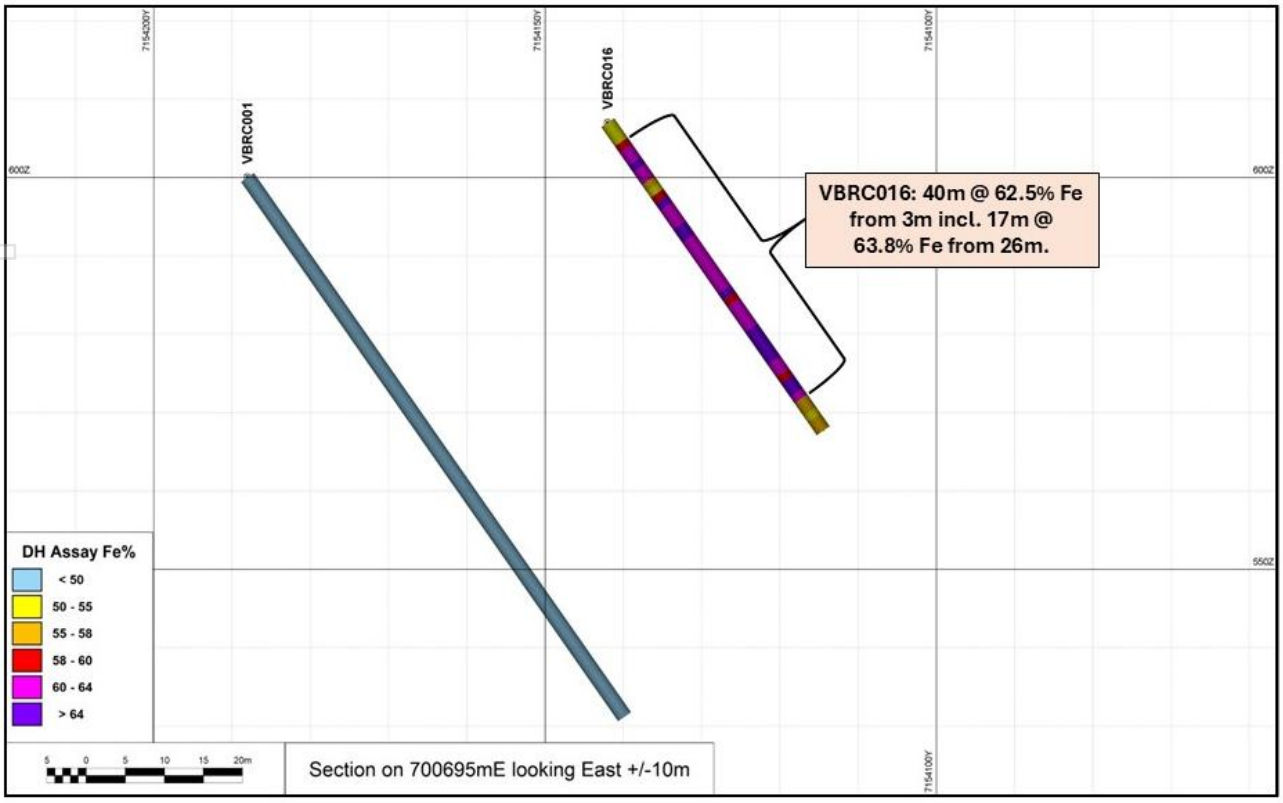

Figure 4: Section 700695mE looking east

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[3]

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 and announcement in footnote 1**).
- 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.

[3] Refer to ALY ASX Announcement Dated 16 October 2025 – Alchemy and Newcam execute binding term sheet for Bryah Iron Ore

ANALYSIS AND NEXT STEPS

- Outstanding high grade iron ore intercepts confirmed at Southern Ridge.
- High grade mineralisation extends from surface to a vertical depth of at least ~50m.
- Drill results confirm consistent thick mineralised zones across multiple drillholes, demonstrating strong grade continuity and width with multiple internal higher-grade zones exceeding 63-66% Fe calcined.
- Large and growing footprint confirmed with mineralisation confirmed over 600m of strike length and remaining open both to the west and east and at depth.
- Historic rock chip sampling completed in 2024 confirms structural continuation beyond current drilling.
- Old Highway and Northern Ridge prospects identified as high priority target areas for follow-up (refer Figure 5 and 6).
- All assays now received allowing technical interpretation to be progressed.
- Further drilling required to accurately assess the geometry of the mineralisation and test for strike extensions.

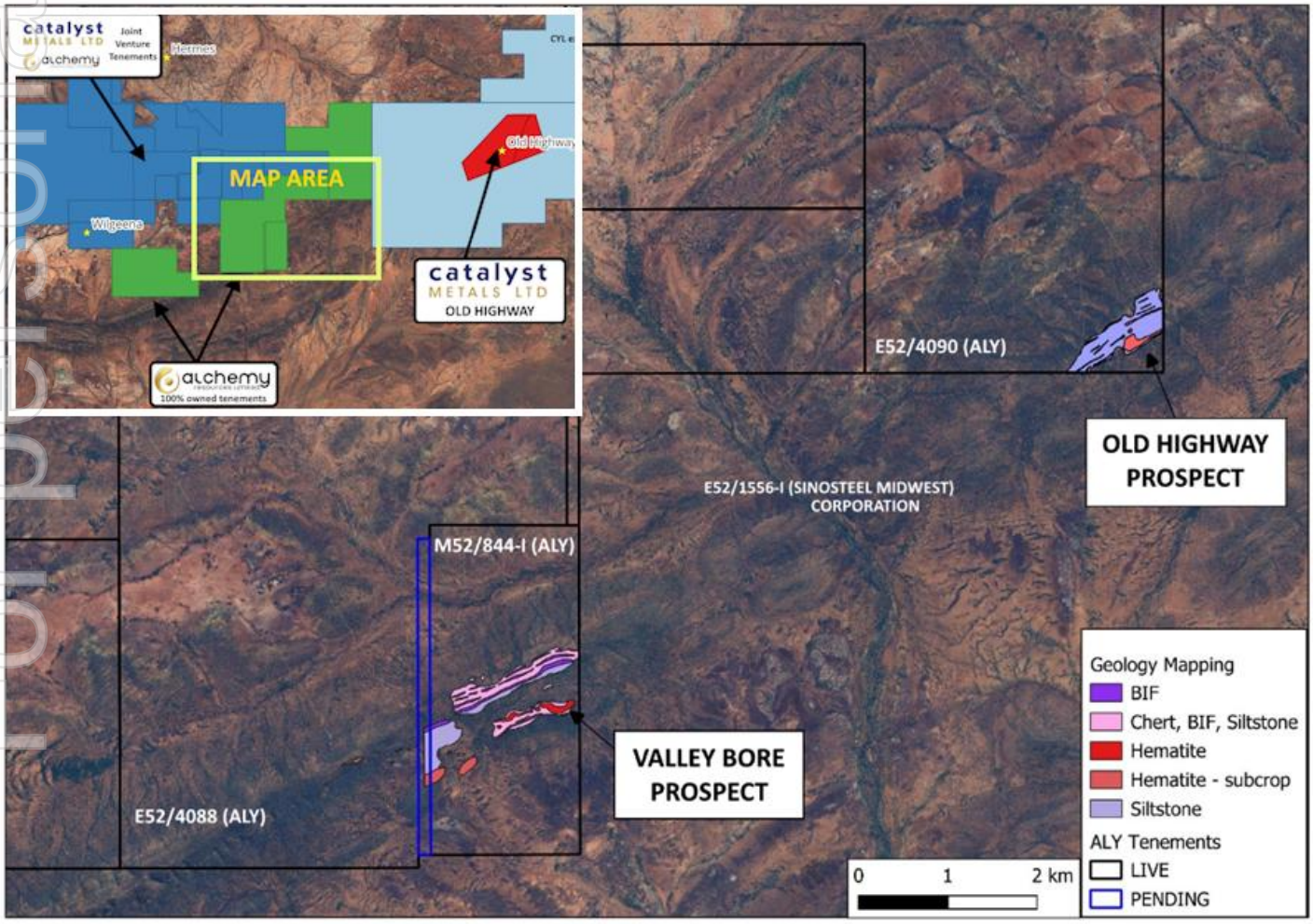

Figure 5: Valley Bore and Old Highway prospect location

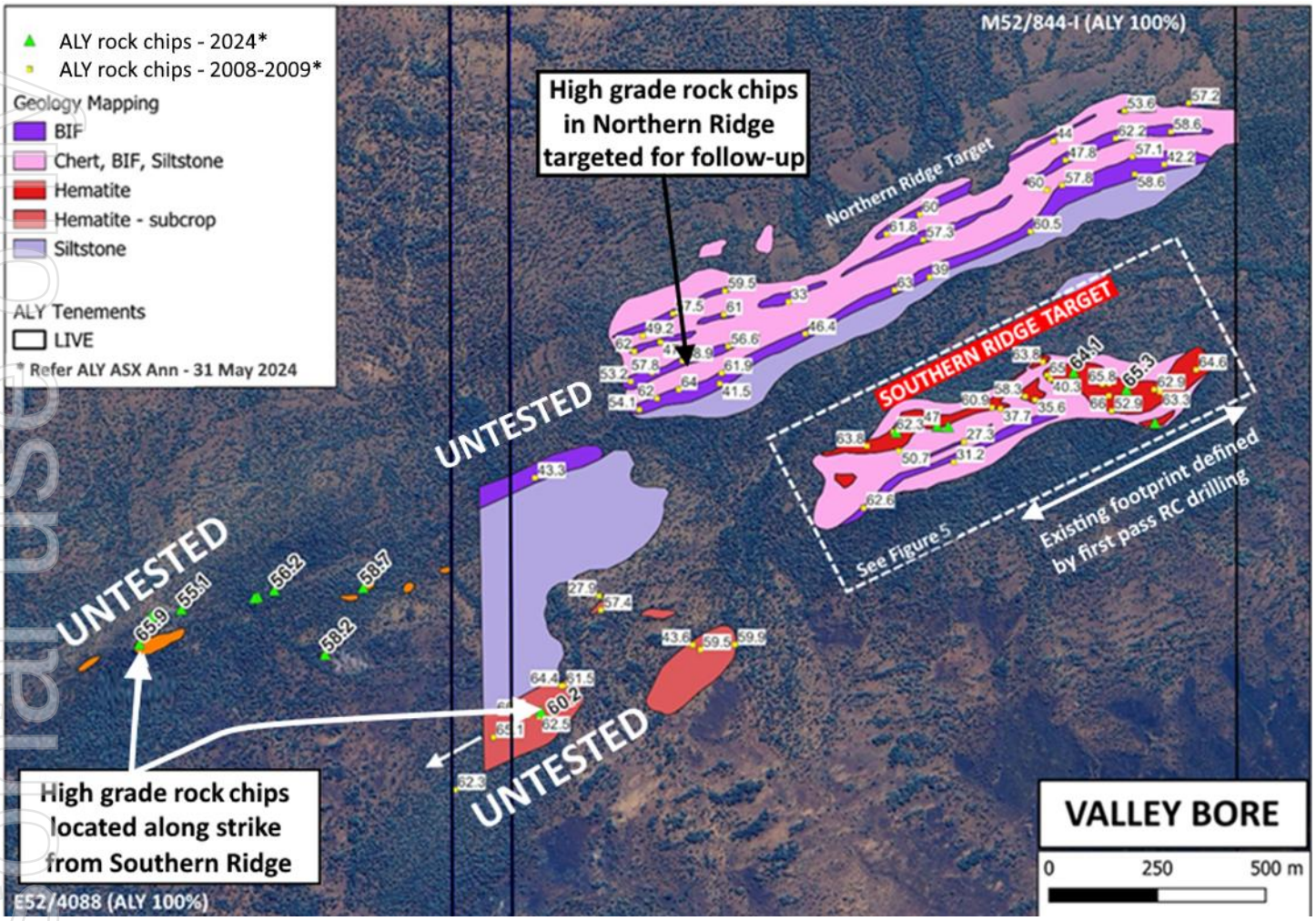

Figure 6: Valley Bore exploration upside[2]

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.

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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	mFrom (m)	To (m)	Fe %	SiO2 %	Al2O3 %	P %	S %	TiO2 %	CaO %	MnO %	MgO %	K2O %	LOI1000 %	Calcined Fe %
VBRC009	VBRC0687	0	1	26.47	57.021	3.024	0.016	0.03	0.134	0.021	0.022	0.01	0.073	2.11	27.0
VBRC009	VBRC0688	1	2	39.81	35.488	4.918	0.014	0.041	0.11	0.018	0.024	0.03	0.021	3.12	41.1
VBRC009	VBRC0689	2	3	28.64	54.666	2.457	0.011	0.013	0.059	0.014	0.018	<Det	0.008	1.61	29.1
VBRC009	VBRC0691	3	4	36.91	44.177	2.565	0.01	0.006	0.059	0.011	0.017	0.01	0.005	1.53	37.5
VBRC009	VBRC0692	4	5	37.47	41.627	2.512	0.014	0.015	0.065	0.012	0.021	0.01	0.004	1.94	38.2
VBRC009	VBRC0693	5	6	29.39	54.694	2.343	0.012	0.018	0.047	0.012	0.021	0.01	0.004	2.05	30.0
VBRC009	VBRC0694	6	7	33.48	48.661	1.511	0.013	0.027	0.037	0.012	0.021	<Det	0.022	2.81	34.4
VBRC009	VBRC0695	7	8	38.01	41.593	2.451	0.01	0.008	0.05	0.012	0.016	0.01	0.004	1.55	38.6
VBRC009	VBRC0696	8	9	35.25	44.219	3.121	0.007	0.008	0.047	0.012	0.022	0.01	0.003	1.79	35.9
VBRC009	VBRC0697	9	10	39.04	37.472	4.053	0.016	0.022	0.095	0.014	0.023	0.03	0.014	2.77	40.2
VBRC009	VBRC0698	10	11	37.38	42.555	1.921	0.011	0.019	0.042	0.014	0.017	0.01	0.005	2.05	38.2
VBRC009	VBRC0699	11	12	46.84	28.371	1.532	0.014	0.039	0.035	0.015	0.029	0.03	0.002	3.64	48.6
VBRC009	VBRC0700	12	13	47.34	26.312	3.863	0.014	0.032	0.064	0.012	0.026	0.03	0.004	3.67	49.1
VBRC009	VBRC0701	13	14	49.35	20.059	5.591	0.013	0.019	0.074	0.011	0.032	0.04	0.004	3.17	51.0
VBRC009	VBRC0702	14	15	52.76	19.371	3.268	0.014	0.01	0.062	0.012	0.022	0.03	0.003	1.91	53.8
VBRC009	VBRC0703	15	16	49.98	23.787	3.057	0.017	0.007	0.052	0.012	0.026	0.04	0.002	1.71	50.8
VBRC009	VBRC0704	16	17	44.23	31.797	2.74	0.015	0.008	0.054	0.012	0.021	0.02	0.002	1.54	44.9
VBRC009	VBRC0705	17	18	39.69	39.617	1.597	0.013	0.004	0.038	0.012	0.032	0.01	0.001	1.05	40.1
VBRC009	VBRC0706	18	19	44.36	31.155	2.949	0.017	0.006	0.068	0.024	0.034	0.05	0.006	3.97	46.2
VBRC009	VBRC0707	19	20	46.43	28.704	2.65	0.012	0.005	0.064	0.012	0.035	0.04	0.005	1.44	47.1
VBRC009	VBRC0708	20	21	42.44	34.265	2.128	0.013	0.005	0.044	0.012	0.027	0.02	0.003	1.39	43.0
VBRC009	VBRC0709	21	22	29.08	56.928	0.9	0.01	0.003	0.021	0.013	0.022	<Det	0.003	0.72	29.3
VBRC009	VBRC0710	22	23	35.38	46.589	0.828	0.02	0.007	0.024	0.014	0.056	<Det	0.002	1.05	35.8
VBRC009	VBRC0711	23	24	39.96	39.423	1.878	0.019	0.006	0.044	0.014	0.031	0.01	0.002	1.26	40.5
VBRC009	VBRC0712	24	25	47.15	27.425	2.701	0.016	0.006	0.07	0.016	0.027	0.03	0.003	1.45	47.8
VBRC009	VBRC0713	25	26	37.79	40.973	1.938	0.014	0.005	0.043	0.013	0.026	0.01	0.003	1.17	38.2
VBRC009	VBRC0714	26	27	40.32	36.953	2.801	0.014	0.01	0.057	0.014	0.024	0.01	0.004	1.74	41.0
VBRC009	VBRC0715	27	28	41.7	35.846	1.928	0.013	0.005	0.041	0.012	0.024	0.01	0.003	1.17	42.2
VBRC009	VBRC0716	28	29	45.24	29.079	4.21	0.019	0.011	0.078	0.013	0.029	0.03	0.002	2.29	46.3
VBRC009	VBRC0717	29	30	40.13	38.429	2.277	0.016	0.008	0.042	0.012	0.024	0.01	0.003	1.5	40.7
VBRC009	VBRC0718	30	31	41.49	36.563	2.127	0.019	0.007	0.051	0.013	0.03	0.02	0.004	1.41	42.1
VBRC009	VBRC0719	31	32	40.98	37.496	2.149	0.017	0.005	0.054	0.014	0.031	0.02	0.004	1.53	41.6
VBRC009	VBRC0720	32	33	35.97	45.578	1.332	0.016	0.004	0.034	0.015	0.023	<Det	0.004	0.92	36.3
VBRC009	VBRC0721	33	34	34.67	47.563	1.746	0.018	0.004	0.048	0.013	0.018	0.02	0.003	0.96	35.0
VBRC009	VBRC0722	34	35	36.77	45.922	0.753	0.014	0.001	0.026	0.013	0.021	<Det	0.003	0.61	37.0
VBRC009	VBRC0723	35	36	30.98	53.863	1.416	0.012	0.004	0.046	0.012	0.017	<Det	0.003	0.75	31.2
VBRC009	VBRC0724	36	37	33.76	48.372	1.956	0.019	0.005	0.075	0.013	0.022	0.01	0.002	1.11	34.1
VBRC009	VBRC0725	37	38	30.6	54.125	1.732	0.017	0.012	0.061	0.014	0.016	<Det	0.011	0.95	30.9
VBRC009	VBRC0726	38	39	34.62	46.028	2.123	0.022	0.02	0.061	0.012	0.023	<Det	0.012	1.12	35.0
VBRC009	VBRC0727	39	40	33.93	48.493	1.923	0.022	0.018	0.06	0.011	0.016	<Det	0.012	1.1	34.3
VBRC009	VBRC0728	40	41	34.79	48.322	1.619	0.021	0.013	0.055	0.014	0.021	<Det	0.008	1.11	35.2
VBRC009	VBRC0729	41	42	37.07	44.242	1.436	0.027	0.012	0.055	0.012	0.018	<Det	0.006	1.05	37.5
VBRC009	VBRC0731	42	43	32.19	51.154	2.045	0.021	0.016	0.069	0.013	0.017	<Det	0.012	1.08	32.5
VBRC009	VBRC0732	43	44	31.6	50.545	2.111	0.035	0.015	0.082	0.013	0.024	<Det	0.009	1.3	32.0
VBRC009	VBRC0733	44	45	28.49	54.794	2.304	0.034	0.014	0.08	0.014	0.019	<Det	0.009	1.26	28.9
VBRC009	VBRC0734	45	46	34.57	46.975	1.482	0.024	0.008	0.055	0.012	0.029	<Det	0.005	0.93	34.9
VBRC009	VBRC0735	46	47	39.88	39.343	1.704	0.033	0.009	0.051	0.013	0.026	<Det	0.004	1.18	40.4
VBRC009	VBRC0736	47	48	35.52	46.656	1.204	0.034	0.008	0.039	0.014	0.034	<Det	0.003	1.1	35.9
VBRC009	VBRC0737	48	49	45.84	30.505	1.924	0.033	0.009	0.059	0.011	0.034	0.02	0.004	1.52	46.5
VBRC009	VBRC0738	49	50	35.56	46.048	1.712	0.027	0.007	0.054	0.013	0.031	<Det	0.004	1.28	36.0
VBRC009	VBRC0739	50	51	35.53	46.342	1.268	0.024	0.012	0.041	0.013	0.024	<Det	0.003	1.42	36.0
VBRC009	VBRC0740	51	52	36.3	43.278	1.936	0.027	0.018	0.059	0.011	0.026	<Det	0.01	1.44	36.8
VBRC009	VBRC0741	52	53	33.99	47.54	2.222	0.027	0.016	0.075	0.012	0.03	<Det	0.004	1.64	34.6
VBRC009	VBRC0742	53	54	36.49	43.195	2.112	0.033	0.015	0.065	0.013	0.039	<Det	0.002	1.6	37.1
VBRC009	VBRC0743	54	55	26.71	58.292	1.184	0.019	0.012	0.045	0.012	0.031	<Det	0.003	1.22	27.0
VBRC009	VBRC0744	55	56	32.78	47.632	2.794	0.023	0.015	0.091	0.014	0.051	<Det	0.002	1.72	33.4
VBRC009	VBRC0745	56	57	28.81	55.081	1.637	0.017	0.015	0.055	0.014	0.045	<Det	0.003	1.29	29.2
VBRC009	VBRC0746	57	58	37.23	42.829	1.974	0.022	0.015	0.073	0.012	0.061	<Det	0.003	1.35	37.7
VBRC009	VBRC0747	58	59	35.62	43.981	2.099	0.034	0.012	0.072	0.013	0.052	<Det	0.002	1.66	36.2
VBRC009	VBRC0748	59	60	25.31	60.878	0.975	0.017	0.004	0.042	0.012	0.042	<Det	0.004	0.77	25.5
VBRC009	VBRC0749	60	61	28.07	58.086	0.818	0.018	0.004	0.038	0.013	0.115	<Det	0.006	0.86	28.3
VBRC009	VBRC0750	61	62	29.74	54.726	1.625	0.024	0.003	0.066	0.012	0.645	<Det	0.02	1.16	30.1
VBRC009	VBRC0751	62	63	41.51	32.874	3.896	0.047	0.006	0.148	0.014	0.247	0.02	0.006	2.28	42.5
VBRC009	VBRC0752	63	64	34.21	46.246	2.135	0.032	0.007	0.07	0.012	0.111	0.01	0.004	1.57	34.8
VBRC009	VBRC0753	64	65	35.29	45.524	1.522	0.023	0.007	0.057	0.014	0.072	<Det	0.003	1.31	35.8
VBRC009	VBRC0754	65	66	32.94	50.128	1.063	0.018	0.004	0.042	0.011	0.054	<Det	0.003	0.93	33.2
VBRC009	VBRC0755	66	67	41.02	34.432	3.15	0.041	0.01	0.116	0.012	0.115	0.01	0.008	2.13	41.9
VBRC009	VBRC0756	67	68	29.07	55.38	0.591	0.046	0.011	0.024	0.016	0.1	<Det	0.034	1.74	29.6
VBRC009	VBRC0757	68	69	36.35	44.956	1.611	0.032	0.009	0.068	0.011	0.071	0.01	0.013	1.43	36.9
VBRC009	VBRC0758	69	70	31	43.932	6.328	0.059	0.036	0.261	0.012	0.093	0.11	0.473	3.95	32.3
VBRC009	VBRC0759	70	71	14.28	54.836	15.499	0.042	0.022	0.593	0.015	0.09	0.58	2.647	5.49	15.1
VBRC009	VBRC0761	71	72	10.02	59.524	16.195	0.03	0.014	0.649	0.014	0.072	0.68	3.101	5.27	10.6

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

Hole ID	Sample ID	mFrom (m)	To (m)	Fe %	SiO2 %	Al2O3 %	P %	S %	TiO2 %	CaO %	MnO %	MgO %	K2O %	LOI1000 %	Calcined Fe %
VBRC008	VBRC0762	0	1	41.54	30.988	5.652	0.024	0.02	0.128	0.019	0.027	0.03	0.047	3.25	42.9
VBRC008	VBRC0763	1	2	35	40.402	5.504	0.022	0.017	0.104	0.016	0.027	0.03	0.029	2.93	36.1
VBRC008	VBRC0764	2	3	38.42	35.761	5.955	0.019	0.012	0.128	0.014	0.024	0.02	0.019	3.29	39.7
VBRC008	VBRC0765	3	4	33.47	43.29	5.463	0.018	0.017	0.114	0.013	0.021	0.01	0.005	3.02	34.5
VBRC008	VBRC0766	4	5	28.85	54.989	2.429	0.011	0.013	0.061	0.012	0.014	<Det	0.013	1.61	29.3
VBRC008	VBRC0767	5	6	19.5	72.005	0.85	0.005	0.003	0.036	0.012	0.017	<Det	0.02	0.88	19.7
VBRC008	VBRC0768	6	7	23.43	64.845	1.435	0.006	0.005	0.052	0.012	0.011	<Det	0.018	1.05	23.7
VBRC008	VBRC0769	7	8	44.56	27.211	5.65	0.012	0.016	0.118	0.011	0.028	0.04	0.004	3.02	45.9
VBRC008	VBRC0770	8	9	42.45	31.834	4.607	0.017	0.017	0.091	0.011	0.026	0.02	0.005	2.67	43.6
VBRC008	VBRC0771	9	10	20.21	68.462	1.235	0.008	0.008	0.022	0.013	0.017	<Det	0.005	0.9	20.4
VBRC008	VBRC0772	10	11	29.66	52.226	3.169	0.007	0.012	0.052	0.011	0.017	<Det	0.004	1.77	30.2
VBRC008	VBRC0773	11	12	36.72	39.834	4.616	0.011	0.016	0.072	0.011	0.021	0.01	0.004	2.52	37.7
VBRC008	VBRC0774	12	13	45.76	28.636	3.558	0.02	0.03	0.1	0.012	0.023	0.02	0.003	3.08	47.2
VBRC008	VBRC0775	13	14	30.75	52.87	1.746	0.011	0.01	0.043	0.014	0.017	<Det	0.008	1.35	31.2
VBRC008	VBRC0776	14	15	41.15	34.009	3.207	0.017	0.024	0.069	0.013	0.027	0.02	0.004	2.74	42.3
VBRC008	VBRC0777	15	16	48.84	18.522	5.781	0.031	0.054	0.11	0.014	0.026	0.03	0.002	5.62	51.7
VBRC008	VBRC0778	16	17	53.65	11.762	5.372	0.025	0.054	0.105	0.012	0.034	0.05	0.002	5.18	56.6
VBRC008	VBRC0779	17	18	61.04	5.781	2.957	0.027	0.051	0.062	0.012	0.042	0.05	0.001	3.42	63.2
VBRC008	VBRC0780	18	19	63.87	4.195	1.593	0.017	0.038	0.029	0.011	0.047	0.06	0.001	3.14	65.9
VBRC008	VBRC0781	19	20	63.65	4.113	2.477	0.027	0.037	0.056	0.011	0.044	0.06	0.001	2.93	65.6
VBRC008	VBRC0782	20	21	62.45	4.078	2.873	0.025	0.04	0.061	0.011	0.035	0.05	<Det	3.51	64.7
VBRC008	VBRC0783	21	22	61.08	6.034	3.529	0.028	0.038	0.083	0.013	0.037	0.06	0.001	3.4	63.2
VBRC008	VBRC0784	22	23	63.09	4.211	2.593	0.03	0.042	0.067	0.011	0.04	0.05	0.001	3.63	65.5
VBRC008	VBRC0785	23	24	64.6	2.695	1.61	0.027	0.042	0.033	0.011	0.038	0.05	0.001	3.76	67.1
VBRC008	VBRC0786	24	25	65.39	3.091	1.925	0.032	0.034	0.045	0.013	0.03	0.05	0.002	2.69	67.2
VBRC008	VBRC0787	25	26	59.66	5.976	3.819	0.031	0.042	0.07	0.011	0.033	0.06	0.002	4.19	62.3
VBRC008	VBRC0788	26	27	60.96	4.104	3.285	0.038	0.045	0.072	0.009	0.042	0.06	<Det	4.29	63.7
VBRC008	VBRC0789	27	28	61.95	3.572	2.742	0.027	0.047	0.058	0.011	0.04	0.06	0.005	4.08	64.6
VBRC008	VBRC0791	28	29	61.07	4.849	3.998	0.041	0.062	0.108	0.011	0.04	0.06	0.001	4.27	63.8
VBRC008	VBRC0792	29	30	63.03	3.859	3.209	0.048	0.061	0.073	0.013	0.035	0.07	0.002	4.36	65.9
VBRC008	VBRC0793	30	31	60.55	5.107	3.584	0.043	0.058	0.079	0.013	0.038	0.06	0.002	4.35	63.3
VBRC008	VBRC0794	31	32	63.22	4.012	2.595	0.048	0.034	0.069	0.017	0.049	0.07	0.008	3.05	65.2
VBRC008	VBRC0795	32	33	64.49	2.913	1.559	0.029	0.029	0.041	0.01	0.042	0.06	0.001	2.93	66.4
VBRC008	VBRC0796	33	34	60.96	5.75	4.067	0.033	0.022	0.125	0.014	0.041	0.06	0.001	2.68	62.6
VBRC008	VBRC0797	34	35	62.9	4.539	3.221	0.034	0.018	0.09	0.011	0.041	0.06	0.002	2.14	64.3
VBRC008	VBRC0798	35	36	63.27	4.91	3.208	0.031	0.02	0.09	0.012	0.045	0.07	0.002	2.2	64.7
VBRC008	VBRC0799	36	37	63.75	3.518	2.153	0.043	0.034	0.065	0.015	0.057	0.08	0.004	3.06	65.8
VBRC008	VBRC0800	37	38	63.89	2.848	1.739	0.038	0.029	0.052	0.012	0.044	0.06	0.003	2.94	65.8
VBRC008	VBRC0801	38	39	60.92	5.199	3.764	0.027	0.012	0.107	0.011	0.048	0.07	0.004	2.11	62.2
VBRC008	VBRC0802	39	40	60	5.453	3.855	0.034	0.017	0.092	0.011	0.042	0.06	0.002	2.45	61.5
VBRC008	VBRC0803	40	41	60.3	6.017	4.336	0.037	0.018	0.11	0.012	0.04	0.07	0.004	2.63	61.9
VBRC008	VBRC0804	41	42	60.03	6.515	3.761	0.038	0.03	0.094	0.012	0.043	0.06	0.003	3.07	61.9
VBRC008	VBRC0805	42	43	61.06	5.533	3.763	0.034	0.032	0.087	0.011	0.042	0.07	0.002	3.26	63.1
VBRC008	VBRC0806	43	44	61.61	5.434	3.578	0.034	0.02	0.08	0.012	0.048	0.07	0.002	2.56	63.2
VBRC008	VBRC0807	44	45	61.96	4.728	2.239	0.027	0.057	0.059	0.01	0.042	0.05	0.001	4.16	64.6
VBRC008	VBRC0808	45	46	61.99	4.878	3.21	0.032	0.041	0.092	0.009	0.038	0.05	0.001	3.4	64.2
VBRC008	VBRC0809	46	47	63.38	5.315	2.009	0.036	0.041	0.056	0.011	0.047	0.07	0.002	2.84	65.2
VBRC008	VBRC0810	47	48	62.85	5.13	2.779	0.037	0.019	0.072	0.014	0.034	0.06	0.004	2.17	64.2
VBRC008	VBRC0811	48	49	64.49	4.185	1.917	0.038	0.014	0.056	0.013	0.043	0.08	0.002	1.75	65.6
VBRC008	VBRC0812	49	50	59.39	11.771	1.815	0.041	0.016	0.052	0.013	0.039	0.06	0.003	1.89	60.5
VBRC008	VBRC0813	50	51	61.33	6.693	3.113	0.044	0.016	0.06	0.013	0.038	0.07	0.002	2.31	62.8
VBRC008	VBRC0814	51	52	60.7	8.17	2.33	0.039	0.014	0.043	0.012	0.04	0.07	0.003	1.88	61.9
VBRC008	VBRC0815	52	53	63.52	6.214	2.17	0.031	0.012	0.056	0.013	0.041	0.08	0.006	1.45	64.5
VBRC008	VBRC0816	53	54	62.67	6.558	2.305	0.05	0.017	0.06	0.016	0.052	0.08	0.008	2.25	64.1
VBRC008	VBRC0817	54	55	62.94	5.962	1.362	0.068	0.022	0.04	0.012	0.062	0.08	0.003	2.46	64.5
VBRC008	VBRC0818	55	56	61.71	6.848	2.472	0.049	0.024	0.06	0.011	0.072	0.08	0.003	1.87	62.9
VBRC008	VBRC0819	56	57	62.96	4.897	2.163	0.042	0.029	0.054	0.011	0.058	0.07	0.002	2.47	64.6
VBRC008	VBRC0820	57	58	63.19	4.125	2.478	0.047	0.033	0.062	0.027	0.063	0.07	0.002	2.5	64.8
VBRC008	VBRC0821	58	59	64.48	3.531	2.393	0.04	0.041	0.057	0.011	0.051	0.07	0.002	2.73	66.3
VBRC008	VBRC0822	59	60	65.21	2.912	2.065	0.037	0.046	0.052	0.01	0.049	0.08	0.002	2.88	67.1
VBRC008	VBRC0823	60	61	61.54	4.612	3.648	0.057	0.026	0.083	0.012	0.061	0.08	0.002	2.63	63.2
VBRC008	VBRC0824	61	62	64.66	2.896	2.04	0.042	0.028	0.04	0.01	0.051	0.06	0.002	2.4	66.3
VBRC008	VBRC0825	62	63	63.81	2.522	1.901	0.048	0.042	0.035	0.011	0.052	0.06	0.002	4.47	66.8
VBRC008	VBRC0826	63	64	64.56	2.44	1.801	0.045	0.036	0.037	0.01	0.064	0.06	0.001	3.42	66.8
VBRC008	VBRC0827	64	65	63.92	3.648	2.397	0.045	0.042	0.043	0.011	0.056	0.07	0.003	2.93	65.8
VBRC008	VBRC0828	65	66	63.02	4.149	2.948	0.052	0.036	0.051	0.011	0.054	0.07	0.004	2.72	64.8
VBRC008	VBRC0829	66	67	62.43	4.839	3.356	0.052	0.031	0.069	0.013	0.055	0.08	0.005	2.7	64.2
VBRC008	VBRC0831	67	68	55.81	14.313	3.54	0.049	0.035	0.062	0.012	0.067	0.06	0.014	2.41	57.2
VBRC008	VBRC0832	68	69	53.07	16.955	3.93	0.059	0.051	0.067	0.016	0.111	0.06	0.019	3.09	54.8
VBRC008	VBRC0833	69	70	56.22	14.656	3.503	0.044	0.032	0.065	0.015	0.055	0.07	0.019	2.04	57.4
VBRC008	VBRC0834	70	71	49.51	23.996	2.791	0.038	0.048	0.065	0.016	0.066	0.05	0.035	1.77	50.4
VBRC008	VBRC0835	71	72	35.74	44.667	1.515	0.036	0.095	0.039	0.017	0.07	<Det	0.069	1.93	36.4
VBRC008	VBRC0836	72	73	40.05	36.65	2.829	0.036	0.104	0.072	0.015	0.066	0.02	0.075	1.95	40.8
VBRC008	VBRC0837	73	74	36.8	38.263	4.155	0.038	0.125	0.067	0.019	0.073	0.01	0.096	2.7	37.8
VBRC008	VBRC0838	74	75	21.89	63.87	2.196	0.032	0.107	0.072	0.018	0.058	<Det	0.083	1.88	22.3
VBRC008	VBRC0839	75	76	11.85	82.405	0.759	0.012	0.048	0.02	0.018	0.015	<Det	0.045	0.77	11.9
VBRC008	VBRC0840	76	77	35.12	45.854	2.598	0.024	0.028	0.05	0.022	0.05	0.02	0.031	1.55	35.7
VBRC008	VBRC0841	77	78	26.96	55.766	2.746	0.031	0.042	0.077	0.026	0.039	<Det	0.042	1.69	27.4

												LEGEND	<58%	58-60%	60-64%	>64%
Hole	Sample	mFrom	To	Fe %	SiO2 %	Al2O3 %	P %	S %	TiO2 %	CaO %	MnO %	MgO %	K2O %	LOI1000 %	Calcined Fe
ID	ID	(m)	(m)	%	%	%	%	%	%	%	%	%	%	%	%
VBRC006	VBRC0842	0	1	40.31	37.052	2.466	0.014	0.031	0.066	0.014	0.033	0.01	0.012	1.81	41.1
VBRC006	VBRC0843	1	2	33.38	50.035	0.723	0.016	0.018	0.037	0.016	0.03	<Det	0.009	0.93	33.7
VBRC006	VBRC0844	2	3	26.86	58.976	0.194	0.012	0.013	0.021	0.015	0.022	<Det	0.005	0.57	27.0
VBRC006	VBRC0845	3	4	25.52	63.259	0.149	0.017	0.005	0.014	0.014	0.022	<Det	0.004	0.78	25.7
VBRC006	VBRC0846	4	5	23.29	64.523	0.176	0.014	0.007	0.016	0.016	0.023	<Det	0.005	0.51	23.4
VBRC006	VBRC0847	5	6	30.4	55.447	0.506	0.011	0.009	0.025	0.014	0.022	<Det	0.004	0.62	30.6
VBRC006	VBRC0848	6	7	36.72	43.447	1.813	0.01	0.011	0.046	0.012	0.028	<Det	0.004	1.24	37.2
VBRC006	VBRC0849	7	8	43.81	28.899	5.034	0.014	0.016	0.101	0.011	0.022	0.02	0.003	2.69	45.0
VBRC006	VBRC0850	8	9	50.71	20.196	4.531	0.015	0.012	0.083	0.011	0.029	0.04	0.003	2.43	52.0
VBRC006	VBRC0851	9	10	49.32	19.674	5.802	0.021	0.017	0.113	0.01	0.026	0.04	0.002	3.15	50.9
VBRC006	VBRC0852	10	11	44.79	28.122	4.351	0.019	0.011	0.082	0.012	0.025	0.03	0.002	2.41	45.9
VBRC006	VBRC0853	11	12	47.04	27.403	3.64	0.023	0.012	0.076	0.012	0.028	0.03	0.003	2.31	48.2
VBRC006	VBRC0854	12	13	51.25	20.996	2.777	0.021	0.01	0.057	0.012	0.03	0.03	0.002	1.79	52.2
VBRC006	VBRC0855	13	14	44.29	33.376	1.28	0.017	0.01	0.027	0.013	0.022	0.01	0.003	1.16	44.8
VBRC006	VBRC0856	14	15	43.45	33.878	1.557	0.028	0.014	0.039	0.014	0.024	0.01	0.003	2.07	44.4
VBRC006	VBRC0857	15	16	35.66	44.874	2.059	0.022	0.009	0.051	0.016	0.027	0.01	0.003	1.44	36.2
VBRC006	VBRC0858	16	17	29.9	55.75	1.208	0.015	0.006	0.034	0.014	0.02	<Det	0.003	0.97	30.2
VBRC006	VBRC0859	17	18	36.46	42.586	2.983	0.025	0.01	0.07	0.014	0.021	<Det	0.002	1.84	37.1
VBRC006	VBRC0861	18	19	42.74	30.858	5.281	0.044	0.017	0.134	0.013	0.025	0.03	0.004	3.23	44.2
VBRC006	VBRC0862	19	20	40.23	32.79	5.153	0.048	0.019	0.139	0.014	0.036	0.03	0.003	3.43	41.7
VBRC006	VBRC0863	20	21	42.5	31.978	4.327	0.035	0.014	0.123	0.013	0.03	0.03	0.003	2.68	43.7
VBRC006	VBRC0864	21	22	40.47	35.181	3.492	0.039	0.012	0.101	0.015	0.032	0.02	0.004	2.37	41.5
VBRC006	VBRC0865	22	23	40	38.832	1.918	0.031	0.007	0.069	0.015	0.027	0.01	0.002	1.58	40.6
VBRC006	VBRC0866	23	24	48.25	22.917	4.364	0.042	0.013	0.11	0.016	0.034	0.04	0.002	2.78	49.6
VBRC006	VBRC0867	24	25	60.23	8.26	3.464	0.037	0.014	0.095	0.013	0.045	0.06	0.001	2.34	61.7
VBRC006	VBRC0868	25	26	60.85	7.379	3.273	0.032	0.015	0.083	0.013	0.045	0.06	0.001	2.19	62.2
VBRC006	VBRC0869	26	27	60.2	7.312	3.482	0.034	0.016	0.086	0.013	0.052	0.06	0.001	2.51	61.7
VBRC006	VBRC0870	27	28	59.68	9.056	3.139	0.043	0.022	0.096	0.014	0.049	0.05	0.001	3.11	61.6
VBRC006	VBRC0871	28	29	58.78	9.338	2.965	0.031	0.019	0.081	0.013	0.049	0.05	0.001	2.47	60.3
VBRC006	VBRC0872	29	30	57.94	11.051	3.58	0.028	0.014	0.076	0.013	0.034	0.04	0.002	2.24	59.3
VBRC006	VBRC0873	30	31	47.95	25.828	3.025	0.029	0.016	0.081	0.013	0.031	0.04	0.003	2.21	49.0
VBRC006	VBRC0874	31	32	38.92	36.367	3.873	0.029	0.01	0.092	0.013	0.019	0.01	0.003	3.45	40.3
VBRC006	VBRC0875	32	33	43.34	29.015	5.992	0.041	0.014	0.161	0.016	0.024	0.04	0.004	1.93	44.2
VBRC006	VBRC0876	33	34	31.31	50.511	2.556	0.028	0.007	0.075	0.015	0.02	0.01	0.003	1.58	31.8
VBRC006	VBRC0877	34	35	29.82	52.889	2.075	0.024	0.006	0.073	0.013	0.024	<Det	0.003	1.26	30.2
VBRC006	VBRC0878	35	36	36.68	41.029	2.831	0.031	0.009	0.106	0.012	0.019	0.01	0.003	1.61	37.3
VBRC006	VBRC0879	36	37	30.08	53.215	1.275	0.023	0.004	0.041	0.011	0.014	<Det	0.002	0.9	30.4
VBRC006	VBRC0880	37	38	34.49	45.977	2.714	0.038	0.011	0.068	0.014	0.02	0.02	0.004	1.76	35.1
VBRC006	VBRC0881	38	39	38.52	36.782	3.822	0.07	0.02	0.09	0.013	0.028	0.02	0.002	2.78	39.6
VBRC006	VBRC0882	39	40	40.98	32.474	4.503	0.043	0.015	0.116	0.013	0.026	0.03	0.003	2.59	42.1
VBRC006	VBRC0883	40	41	36.64	41.973	2.651	0.025	0.008	0.082	0.013	0.016	0.01	0.003	1.48	37.2
VBRC006	VBRC0884	41	42	28.2	54.721	1.323	0.024	0.004	0.047	0.013	0.02	<Det	0.002	1.51	28.6
VBRC006	VBRC0885	42	43	24.89	62.652	0.707	0.015	0.002	0.031	0.012	0.012	<Det	0.003	0.49	25.0
VBRC006	VBRC0886	43	44	40.86	36.707	3.077	0.044	0.01	0.103	0.017	0.023	0.03	0.005	1.65	41.5
VBRC006	VBRC0887	44	45	28.6	56.78	1.537	0.022	0.009	0.069	0.016	0.028	<Det	0.008	0.99	28.9
VBRC006	VBRC0888	45	46	29.25	55.199	1.249	0.021	0.008	0.056	0.016	0.023	<Det	0.008	0.97	29.5
VBRC006	VBRC0889	46	47	31.41	52.15	1.258	0.02	0.009	0.047	0.018	0.04	0.01	0.011	1.03	31.7
VBRC006	VBRC0891	47	48	25.6	61.508	0.493	0.015	0.006	0.024	0.015	0.045	<Det	0.003	0.73	25.8
VBRC006	VBRC0892	48	49	37.82	40.492	2.595	0.028	0.01	0.079	0.013	0.035	0.02	0.003	1.77	38.5
VBRC006	VBRC0893	49	50	38.27	39.982	3.034	0.03	0.012	0.081	0.013	0.024	0.02	0.005	1.93	39.0
VBRC006	VBRC0894	50	51	35.8	45.552	1.119	0.026	0.011	0.038	0.011	0.047	<Det	0.003	1.64	36.4
VBRC006	VBRC0895	51	52	37.91	40.694	2.285	0.036	0.014	0.054	0.01	0.043	0.02	0.004	2.07	38.7
VBRC006	VBRC0896	52	53	45.9	30.808	2.921	0.031	0.019	0.066	0.013	0.04	0.03	0.006	1.53	46.6
VBRC006	VBRC0897	53	54	34.26	31.938	12.153	0.051	0.025	0.257	0.016	0.037	0.05	0.005	5.66	36.3
VBRC006	VBRC0898	54	55	40.17	38.498	2.686	0.035	0.008	0.057	0.012	0.025	0.02	0.005	1.53	40.8
VBRC006	VBRC0899	55	56	47.03	26.571	2.699	0.048	0.022	0.063	0.01	0.031	0.03	0.003	2.69	48.3
VBRC006	VBRC0900	56	57	43.71	31.948	2.452	0.042	0.016	0.057	0.01	0.031	0.03	0.004	2.07	44.6
VBRC006	VBRC0901	57	58	33.24	46.56	3.245	0.041	0.01	0.075	0.013	0.019	0.01	0.006	1.83	33.9
VBRC006	VBRC0902	58	59	48.29	23.932	3.661	0.09	0.025	0.082	0.013	0.029	0.03	0.007	3.13	49.9
VBRC006	VBRC0903	59	60	47.43	21.4	5.098	0.121	0.046	0.12	0.016	0.047	0.04	0.013	4.84	49.8
VBRC006	VBRC0904	60	61	43.4	30.014	3.819	0.086	0.027	0.1	0.012	0.036	0.03	0.005	3.65	45.0
VBRC006	VBRC0905	61	62	53.27	14.231	2.977	0.186	0.046	0.06	0.014	0.044	0.04	0.004	6.21	56.8
VBRC006	VBRC0906	62	63	58.83	7.056	3.263	0.1	0.039	0.055	0.013	0.051	0.05	0.005	5.78	62.4
VBRC006	VBRC0907	63	64	59.38	6.257	3.187	0.087	0.03	0.048	0.016	0.054	0.07	0.005	5.15	62.6
VBRC006	VBRC0908	64	65	53.17	11.424	4.604	0.109	0.029	0.073	0.022	0.052	0.07	0.007	8.36	58.0
VBRC006	VBRC0909	65	66	57	6.794	3.254	0.153	0.022	0.037	0.022	0.057	0.05	0.003	8.79	62.5

												LEGEND	<58%	58-60%	60-64%	>64%
Hole	Sample	mFrom	To	Fe %	SiO2 %	Al2O3 %	P %	S %	TiO2 %	CaO %	MnO %	MgO %	K2O %	LOI1000 %	Calcined Fe	
ID	ID	(m)	(m)	%	%	%	%	%	%	%	%	%	%	%	%	
VBRC007	VBRC0910	0	1	32.71	46.59	3.942	0.012	0.02	0.092	0.02	0.034	0.02	0.023	2.25	33.5	
VBRC007	VBRC0911	1	2	33.8	46.807	2.884	0.01	0.022	0.059	0.016	0.027	<Det	0.016	2.04	34.5	
VBRC007	VBRC0912	2	3	40.38	37.615	1.965	0.019	0.035	0.071	0.013	0.036	0.02	0.013	3.23	41.7	
VBRC007	VBRC0913	3	4	45.47	29.592	1.875	0.014	0.037	0.056	0.013	0.041	0.03	0.011	4.1	47.4	
VBRC007	VBRC0914	4	5	51.87	19.809	2.5	0.016	0.034	0.062	0.011	0.047	0.05	0.01	4	54.0	
VBRC007	VBRC0915	5	6	43.71	26.996	3.941	0.02	0.042	0.182	0.015	0.056	0.03	0.071	4.03	45.5	
VBRC007	VBRC0916	6	7	35.07	44.918	2.025	0.012	0.007	0.042	0.01	0.029	0.01	0.004	1.37	35.6	
VBRC007	VBRC0917	7	8	39.05	35.858	4.457	0.017	0.016	0.131	0.012	0.034	0.01	0.003	2.63	40.1	
VBRC007	VBRC0918	8	9	34.3	43.187	4.285	0.023	0.017	0.122	0.013	0.033	<Det	0.004	2.7	35.3	
VBRC007	VBRC0919	9	10	34.17	45.326	3.623	0.014	0.017	0.095	0.01	0.03	<Det	0.003	2.4	35.0	
VBRC007	VBRC0920	10	11	30.05	52.864	2.35	0.014	0.013	0.063	0.011	0.034	<Det	0.002	1.72	30.6	
VBRC007	VBRC0921	11	12	36.34	43.242	2.539	0.017	0.011	0.049	0.011	0.033	<Det	0.003	1.78	37.0	
VBRC007	VBRC0922	12	13	28.79	56.463	2.367	0.017	0.008	0.065	0.014	0.027	<Det	0.003	1.35	29.2	
VBRC007	VBRC0923	13	14	29.56	53.862	2.573	0.017	0.008	0.06	0.013	0.028	<Det	0.003	1.46	30.0	
VBRC007	VBRC0924	14	15	29.77	55.271	2.188	0.017	0.006	0.06	0.013	0.025	<Det	0.006	1.35	30.2	
VBRC007	VBRC0925	15	16	32.39	50.769	1.967	0.017	0.005	0.059	0.013	0.03	<Det	0.002	1.19	32.8	
VBRC007	VBRC0926	16	17	27.21	57.868	2.034	0.017	0.005	0.059	0.012	0.018	<Det	0.003	1.28	27.6	
VBRC007	VBRC0927	17	18	30.59	53.382	1.949	0.016	0.007	0.056	0.013	0.017	<Det	0.007	1.25	31.0	
VBRC007	VBRC0928	18	19	29.49	55.236	1.358	0.015	0.005	0.041	0.011	0.015	<Det	0.003	1	29.8	
VBRC007	VBRC0929	19	20	38.03	41.215	1.517	0.017	0.024	0.054	0.013	0.026	0.01	0.003	2.05	38.8	
VBRC007	VBRC0931	20	21	33.56	48.556	1.859	0.028	0.015	0.067	0.016	0.028	<Det	0.003	1.69	34.1	
VBRC007	VBRC0932	21	22	41.26	37.877	1.933	0.027	0.02	0.068	0.02	0.029	0.02	0.004	1.87	42.0	
VBRC007	VBRC0933	22	23	20.14	69.964	0.987	0.017	0.006	0.034	0.033	0.019	<Det	0.003	0.9	20.3	
VBRC007	VBRC0934	23	24	22.68	62.562	2.484	0.021	0.008	0.08	0.013	0.016	<Det	0.003	1.56	23.0	
VBRC007	VBRC0935	24	25	33.75	44.661	4.418	0.046	0.016	0.115	0.012	0.02	0.01	0.003	2.74	34.7	
VBRC007	VBRC0936	25	26	32.04	51.708	1.564	0.025	0.01	0.056	0.011	0.019	<Det	0.003	1.42	32.5	
VBRC007	VBRC0937	26	27	31.67	52.208	1.49	0.023	0.008	0.045	0.011	0.023	0.01	0.003	1.18	32.0	
VBRC007	VBRC0938	27	28	30.04	54.965	1.821	0.024	0.008	0.062	0.012	0.018	<Det	0.003	1.35	30.5	
VBRC007	VBRC0939	28	29	32.95	48.705	2.22	0.03	0.007	0.07	0.012	0.023	<Det	0.002	1.66	33.5	
VBRC007	VBRC0940	29	30	34.06	49.999	1.365	0.023	0.009	0.046	0.012	0.029	<Det	0.003	1.45	34.6	
VBRC007	VBRC0941	30	31	33.42	49.684	1.761	0.021	0.01	0.055	0.012	0.022	<Det	0.005	1.65	34.0	
VBRC007	VBRC0942	31	32	32.67	50.79	1.129	0.017	0.005	0.039	0.012	0.026	<Det	0.003	0.96	33.0	
VBRC007	VBRC0943	32	33	27.91	59.229	0.602	0.015	0.002	0.032	0.013	0.021	<Det	0.004	0.68	28.1	
VBRC007	VBRC0944	33	34	32.49	50.64	1.941	0.02	0.005	0.06	0.012	0.026	<Det	0.002	1.26	32.9	
VBRC007	VBRC0945	34	35	30.89	54.239	1.341	0.011	0.002	0.045	0.012	0.015	<Det	0.003	0.74	31.1	
VBRC007	VBRC0946	35	36	31.64	51.73	1.847	0.015	0.004	0.05	0.012	0.023	<Det	0.004	1.04	32.0	
VBRC007	VBRC0947	36	37	40.19	39.161	1.928	0.02	0.005	0.066	0.011	0.026	0.01	0.003	1.21	40.7	
VBRC007	VBRC0948	37	38	37.78	43.007	1.986	0.029	0.01	0.077	0.011	0.033	0.02	0.003	1.59	38.4	
VBRC007	VBRC0949	38	39	34.53	50.09	1.196	0.023	0.01	0.048	0.012	0.026	0.01	0.004	1.17	34.9	
VBRC007	VBRC0950	39	40	37.23	43.205	2.129	0.025	0.01	0.075	0.012	0.024	0.01	0.003	1.56	37.8	
VBRC007	VBRC0951	40	41	40.03	38.734	2.62	0.028	0.011	0.098	0.013	0.024	0.01	0.004	1.85	40.8	
VBRC007	VBRC0952	41	42	26.99	58.995	1.482	0.02	0.008	0.05	0.014	0.015	<Det	0.01	0.98	27.3	
VBRC007	VBRC0953	42	43	31.36	53.645	1.797	0.025	0.009	0.067	0.014	0.016	<Det	0.008	1.41	31.8	
VBRC007	VBRC0954	43	44	25.42	61.147	1.722	0.023	0.007	0.061	0.012	0.018	<Det	0.005	1.24	25.7	
VBRC007	VBRC0955	44	45	35.67	45.084	2.438	0.031	0.01	0.082	0.013	0.025	<Det	0.004	1.72	36.3	
VBRC007	VBRC0956	45	46	29.48	56.124	1.415	0.017	0.004	0.053	0.012	0.026	<Det	0.004	1.03	29.8	
VBRC007	VBRC0957	46	47	30.8	54.288	1.347	0.019	0.005	0.05	0.014	0.034	<Det	0.004	0.95	31.1	
VBRC007	VBRC0958	47	48	26.9	59.219	0.724	0.011	0.003	0.027	0.013	0.03	<Det	0.004	0.64	27.1	

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

Hole ID	Sample ID	mFrom (m)	To (m)	Fe %	SiO2 %	Al2O3 %	P %	S %	TiO2 %	CaO %	MnO %	MgO %	K2O %	LOI1000 %	Calcined Fe %
VBRC004	VBRC0959	0	1	29.77	53.189	2.77	0.013	0.03	0.111	0.017	0.017	0.01	0.041	1.87	30.3
VBRC004	VBRC0961	1	2	30.45	52.938	1.928	0.014	0.01	0.076	0.015	0.02	<Det	0.018	1.33	30.9
VBRC004	VBRC0962	2	3	30.16	51.372	3.628	0.021	0.01	0.087	0.014	0.019	0.01	0.004	2.04	30.8
VBRC004	VBRC0963	3	4	36.45	41.102	4.292	0.033	0.012	0.115	0.013	0.02	0.02	0.003	2.53	37.4
VBRC004	VBRC0964	4	5	27.08	56.479	2.158	0.027	0.007	0.064	0.015	0.018	<Det	0.003	1.43	27.5
VBRC004	VBRC0965	5	6	26.09	60.32	2.362	0.022	0.008	0.07	0.013	0.013	<Det	0.002	1.52	26.5
VBRC004	VBRC0966	6	7	24.95	61.849	1.242	0.026	0.008	0.041	0.013	0.016	<Det	0.004	1.18	25.2
VBRC004	VBRC0967	7	8	34.28	46.95	2.4	0.027	0.009	0.066	0.013	0.023	0.01	0.002	1.62	34.8
VBRC004	VBRC0968	8	9	33.47	46.29	3.846	0.025	0.01	0.127	0.015	0.02	0.02	0.003	2.31	34.3
VBRC004	VBRC0969	9	10	26.99	58.505	1.549	0.019	0.005	0.052	0.014	0.016	<Det	0.005	1.09	27.3
VBRC004	VBRC0970	10	11	25.34	60.873	1.603	0.016	0.004	0.051	0.013	0.016	<Det	0.004	1.1	25.6
VBRC004	VBRC0971	11	12	26.37	59.738	1.941	0.018	0.007	0.051	0.015	0.023	<Det	0.003	1.27	26.7
VBRC004	VBRC0972	12	13	30.64	54.095	1.082	0.015	0.011	0.043	0.013	0.026	<Det	0.004	1.31	31.0
VBRC004	VBRC0973	13	14	32.18	51.938	1.602	0.021	0.011	0.055	0.013	0.032	0.01	0.003	1.43	32.6
VBRC004	VBRC0974	14	15	37.84	42.34	2.509	0.025	0.008	0.078	0.014	0.024	0.02	0.003	1.73	38.5
VBRC004	VBRC0975	15	16	25.95	61.421	1.167	0.017	0.004	0.043	0.013	0.02	<Det	0.003	0.8	26.2
VBRC004	VBRC0976	16	17	29.4	57.46	0.752	0.016	0.005	0.035	0.013	0.015	<Det	0.003	0.78	29.6
VBRC004	VBRC0977	17	18	37.96	43.499	1.679	0.026	0.01	0.063	0.014	0.024	0.02	0.008	1.31	38.5
VBRC004	VBRC0978	18	19	22.78	67.389	0.273	0.01	0.002	0.019	0.011	0.016	<Det	0.004	0.46	22.9
VBRC004	VBRC0979	19	20	31.38	52.512	1.651	0.015	0.004	0.056	0.012	0.02	<Det	0.003	1.03	31.7
VBRC004	VBRC0980	20	21	28.99	53.483	3.475	0.023	0.006	0.088	0.014	0.023	0.01	0.004	1.79	29.5
VBRC004	VBRC0981	21	22	39.78	39.035	2.519	0.022	0.007	0.076	0.013	0.021	0.03	0.005	1.51	40.4
VBRC004	VBRC0982	22	23	35	46.17	2.181	0.018	0.006	0.068	0.012	0.025	0.01	0.002	1.39	35.5
VBRC004	VBRC0983	23	24	25.79	61.52	1.101	0.011	0.005	0.035	0.012	0.017	<Det	0.004	0.84	26.0
VBRC004	VBRC0984	24	25	32.06	51.84	1.689	0.014	0.004	0.054	0.015	0.021	<Det	0.002	1.1	32.4
VBRC004	VBRC0985	25	26	31.44	53.925	0.842	0.01	0.003	0.043	0.014	0.024	<Det	0.005	0.71	31.7
VBRC004	VBRC0986	26	27	33.67	50.687	1.594	0.014	0.006	0.055	0.015	0.015	0.01	0.009	0.93	34.0
VBRC004	VBRC0987	27	28	28.27	57.176	1.628	0.016	0.005	0.053	0.014	0.015	<Det	0.006	1.07	28.6
VBRC004	VBRC0988	28	29	32.52	50.501	1.66	0.017	0.006	0.052	0.012	0.019	<Det	0.003	1.11	32.9
VBRC004	VBRC0989	29	30	32.3	52.651	0.617	0.014	0.004	0.026	0.012	0.016	<Det	0.004	0.72	32.5
VBRC004	VBRC0991	30	31	37.05	41.808	3.317	0.029	0.009	0.098	0.013	0.019	0.02	0.004	2.06	37.8
VBRC004	VBRC0992	31	32	29.03	56.794	1.193	0.014	0.004	0.045	0.012	0.022	<Det	0.005	1	29.3
VBRC004	VBRC0993	32	33	40.63	40.002	1.878	0.02	0.009	0.062	0.014	0.028	0.03	0.007	1.59	41.3
VBRC004	VBRC0994	33	34	46.44	31.868	1.096	0.024	0.008	0.043	0.013	0.04	0.04	0.001	1.29	47.0
VBRC004	VBRC0995	34	35	30.87	54.788	0.552	0.02	0.006	0.022	0.013	0.02	0.01	0.004	0.97	31.2
VBRC004	VBRC0996	35	36	40.93	38.599	2.686	0.021	0.006	0.069	0.015	0.026	0.03	0.007	1.61	41.6
VBRC004	VBRC0997	36	37	40.45	36.295	3.242	0.028	0.01	0.078	0.014	0.022	0.03	0.006	1.97	41.3
VBRC004	VBRC0998	37	38	44.26	31.259	3.979	0.029	0.004	0.094	0.016	0.028	0.04	0.005	1.83	45.1
VBRC004	VBRC0999	38	39	32.63	52.379	0.981	0.015	0.004	0.032	0.017	0.03	<Det	0.009	0.75	32.9
VBRC004	VBRC1000	39	40	34.89	48.876	1.243	0.017	0.006	0.034	0.016	0.044	0.02	0.005	1.02	35.2
VBRC004	VBRC1001	40	41	38	43.098	1.259	0.02	0.004	0.037	0.014	0.033	0.02	0.004	1.08	38.4
VBRC004	VBRC1002	41	42	39.74	40.527	1.276	0.023	0.008	0.035	0.014	0.052	0.03	0.003	1.17	40.2
VBRC004	VBRC1003	42	43	40.9	38.898	1.525	0.033	0.019	0.043	0.016	0.059	0.03	0.004	1.62	41.6
VBRC004	VBRC1004	43	44	36.03	45.285	1.621	0.034	0.009	0.038	0.014	0.034	0.02	0.005	1.54	36.6
VBRC004	VBRC1005	44	45	41.84	35.824	1.455	0.059	0.024	0.045	0.017	0.028	0.04	0.01	2.73	43.0
VBRC004	VBRC1006	45	46	43.45	34.341	1.527	0.052	0.024	0.036	0.014	0.032	0.03	0.006	2.54	44.6
VBRC004	VBRC1007	46	47	47.68	21.225	5.415	0.047	0.02	0.128	0.015	0.039	0.05	0.005	4.27	49.8
VBRC004	VBRC1008	47	48	52.48	13.134	5.593	0.094	0.024	0.117	0.017	0.058	0.06	0.009	5.72	55.7
VBRC004	VBRC1009	48	49	53.89	11.983	3.715	0.126	0.022	0.082	0.017	0.063	0.05	0.005	6.14	57.4

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

Hole ID	Sample ID	mFrom (m)	To (m)	Fe %	SiO2 %	Al2O3 %	P %	S %	TiO2 %	CaO %	MnO %	MgO %	K2O %	LOI1000 %	Calcined Fe %
VBRC016	VBRC1010	0	1	53.82	15.649	3.201	0.015	0.008	0.122	0.368	0.08	0.25	0.051	2.66	55.3
VBRC016	VBRC1011	1	2	54.49	14.994	3.618	0.014	0.009	0.12	0.136	0.155	0.15	0.089	2.56	55.9
VBRC016	VBRC1012	2	3	54.61	14.614	3.848	0.011	0.007	0.181	0.088	0.083	0.11	0.116	2.22	55.8
VBRC016	VBRC1013	3	4	59.27	7.44	3.618	0.01	0.004	0.103	0.803	0.11	0.13	0.054	2.79	61.0
VBRC016	VBRC1014	4	5	61.39	3.781	3.278	0.009	0.004	0.069	1.556	0.113	0.13	0.03	3.2	63.4
VBRC016	VBRC1015	5	6	60.56	3.754	3.495	0.012	0.009	0.055	2.324	0.192	0.15	0.028	3.97	63.1
VBRC016	VBRC1016	6	7	64.18	1.728	3.386	0.022	0.006	0.051	0.501	0.124	0.09	0.009	2.54	65.9
VBRC016	VBRC1017	7	8	62.2	2.696	4.269	0.021	0.131	0.069	0.987	0.068	0.1	0.012	3.16	64.2
VBRC016	VBRC1018	8	9	61.05	2.223	3.539	0.026	0.807	0.113	1.695	0.079	0.1	0.013	2.98	62.9
VBRC016	VBRC1019	9	10	56.91	4.206	7.163	0.033	0.815	0.171	1.32	0.078	0.09	0.074	5.39	60.2
VBRC016	VBRC1020	10	11	54.95	7.766	7.21	0.029	0.691	0.182	1.217	0.062	0.09	0.028	4.6	57.6
VBRC016	VBRC1021	11	12	59.24	4.773	6.552	0.034	0.357	0.153	0.584	0.086	0.1	0.033	3.53	61.4
VBRC016	VBRC1022	12	13	64.84	1.794	3.787	0.038	0.067	0.131	0.116	0.137	0.08	0.005	2.65	66.6
VBRC016	VBRC1023	13	14	62.38	1.474	5.234	0.041	0.063	0.13	0.112	0.119	0.09	0.003	3.58	64.7
VBRC016	VBRC1024	14	15	62.79	1.551	4.954	0.035	0.213	0.112	0.385	0.12	0.09	0.005	3.92	65.4
VBRC016	VBRC1025	15	16	61.47	1.856	4.747	0.037	0.356	0.133	0.64	0.11	0.08	0.006	4.04	64.1
VBRC016	VBRC1026	16	17	64.5	3.036	3.317	0.026	0.037	0.103	0.065	0.079	0.09	0.006	2.73	66.3
VBRC016	VBRC1027	17	18	64.33	2.698	3.522	0.03	0.034	0.115	0.068	0.081	0.08	0.006	2.48	66.0
VBRC016	VBRC1028	18	19	62.47	3.475	3.452	0.032	0.027	0.1	0.055	0.07	0.08	0.007	3.31	64.6
VBRC016	VBRC1029	19	20	60.21	4.69	5.397	0.045	0.084	0.159	0.146	0.078	0.11	0.01	3.71	62.5
VBRC016	VBRC1031	20	21	61.37	4.021	4.3	0.041	0.207	0.141	0.389	0.108	0.1	0.008	3.48	63.6
VBRC016	VBRC1032	21	22	62.23	3.13	4.646	0.039	0.072	0.117	0.121	0.157	0.1	0.015	3.77	64.7
VBRC016	VBRC1033	22	23	63.97	2.704	3.108	0.043	0.034	0.101	0.05	0.123	0.12	0.009	3.71	66.4
VBRC016	VBRC1034	23	24	61.22	3.668	3.582	0.048	0.073	0.102	0.155	0.088	0.14	0.009	3.99	63.8
VBRC016	VBRC1035	24	25	63.26	1.681	2.206	0.067	0.079	0.067	0.461	0.198	0.38	0.013	4.51	66.2
VBRC016	VBRC1036	25	26	61.21	2.429	2.633	0.077	0.048	0.043	0.411	0.235	0.42	0.009	6.73	65.6
VBRC016	VBRC1037	26	27	65.19	1.785	2.212	0.054	0.031	0.069	0.099	0.133	0.15	0.017	2.99	67.2
VBRC016	VBRC1038	27	28	59.84	5.037	4.729	0.06	0.025	0.183	0.297	0.107	0.26	0.01	3.69	62.1
VBRC016	VBRC1039	28	29	63.67	3.07	2.857	0.034	0.022	0.089	0.075	0.098	0.12	0.013	4.35	66.6
VBRC016	VBRC1040	29	30	63.83	2.069	1.889	0.024	0.028	0.039	0.051	0.093	0.11	0.012	4.73	67.0
VBRC016	VBRC1041	30	31	62.9	3.703	3.15	0.025	0.023	0.093	0.115	0.109	0.14	0.015	3.47	65.2
VBRC016	VBRC1042	31	32	62.89	4.32	3.637	0.024	0.017	0.129	0.119	0.094	0.12	0.015	2.96	64.8
VBRC016	VBRC1043	32	33	65.62	2.548	2.146	0.017	0.014	0.072	0.195	0.103	0.15	0.021	1.91	66.9
VBRC016	VBRC1044	33	34	65.42	2.062	2.017	0.021	0.015	0.069	0.233	0.197	0.16	0.021	1.84	66.6
VBRC016	VBRC1045	34	35	66.15	1.59	1.355	0.02	0.018	0.035	0.073	0.203	0.1	0.019	2.9	68.1
VBRC016	VBRC1046	35	36	65.7	1.215	1.838	0.023	0.026	0.025	0.058	0.101	0.09	0.014	3.31	67.9
VBRC016	VBRC1047	36	37	66.1	1.698	1.673	0.03	0.013	0.051	0.044	0.2	0.1	0.056	2.28	67.6
VBRC016	VBRC1048	37	38	62.42	2.525	2.699	0.048	0.018	0.082	0.389	0.142	0.12	0.12	5.06	65.7
VBRC016	VBRC1049	38	39	62	2.312	2.449	0.052	0.022	0.076	0.327	0.124	0.13	0.103	6.12	66.0
VBRC016	VBRC1050	39	40	58.32	3.058	2.235	0.069	0.025	0.042	1.739	0.184	0.24	0.024	9.2	64.2
VBRC016	VBRC1051	40	41	64.87	2.395	1.25	0.047	0.01	0.033	0.086	0.229	0.12	0.015	4.3	67.8
VBRC016	VBRC1052	41	42	65.51	1.491	1.342	0.057	0.011	0.036	0.044	0.16	0.09	0.012	3.82	68.1
VBRC016	VBRC1053	42	43	63.91	2.946	2.59	0.071	0.009	0.041	0.059	0.067	0.09	0.025	3.75	66.4
VBRC016	VBRC1054	43	44	55.65	6.665	6.293	0.186	0.011	0.068	0.071	0.079	0.1	0.032	5.39	58.8
VBRC016	VBRC1055	44	45	55.51	8.183	4.557	0.134	0.013	0.04	0.056	0.145	0.12	0.05	6.3	59.2
VBRC016	VBRC1056	45	46	53.02	9.919	6.837	0.165	0.016	0.09	0.061	0.078	0.12	0.033	6.47	56.7
VBRC016	VBRC1057	46	47	55.5	9.124	5.072	0.119	0.008	0.105	0.071	0.295	0.18	0.172	4.56	58.2
VBRC016	VBRC1058	47	48	57.91	8.118	4.645	0.087	0.004	0.126	0.076	0.331	0.23	0.385	3.66	60.1

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.