

4 October 2023

## **HIGH GRADE MANGANESE UP TO 48% Mn AT WHITE CASTLES PROJECT, GASCOYNE W.A**

### **HIGHLIGHTS**

- **High grade manganese mineralisation confirmed** with rock chip samples reporting **assays of up to 48% Mn**, at the Company's White Castles project in the Gascoyne, W.A.
- **Potential for over 50km of continuous strike** indicated from sampling results across the project area.
- Neighbours include Fortescue Metals Group to the east, Hastings Technology Metals to the west and Dreadnought Resources to the south-west.



**Figure 1: Exploration Manager Steve Vallance sampling a large outcrop at E09/2539.**



Reach Resources Limited (ASX: RR1 & RR10) (“Reach” or “the Company”) is pleased to announce receipt of high-grade manganese results of up to 48% Mn at the Company’s White Castles Project, in the Edmund Basin, approximately 80km north of the Company’s Morrissey Hill Lithium Project.

The receipt of assay results follows the Company’s reconnaissance rock chip sampling program, as announced on 20 September 2023. The White Castles project area comprises three large 100% owned strategically located tenements, and three tenement applications, totalling 665km<sup>2</sup> (Figure 2).

**Jeremy Bower CEO commented:**

“These high-grade assay results are a great start to the assessment of our White Castles manganese project. We have deliberately targeted manganese as part of our battery metal strategy as we see the demand curve steepening in the coming years with the switch to alternative battery chemistries using manganese, over and above the baseload of demand from the steel industry.

Following the recent acquisition of tenement E09/2539 from Firebird Metals, we now have a large contiguous project area with a potential strike length of over 50km and in a commodity that is just starting to get its time in the sun.

Our next step is to perform a geochemical analysis and select the best parts of the project area for further sampling and detailed mapping. This will ensure that when we approach the traditional owners for the necessary approvals, we already have a good idea of our key target areas which will form the focus of early work programs.

The Future is within Reach”.

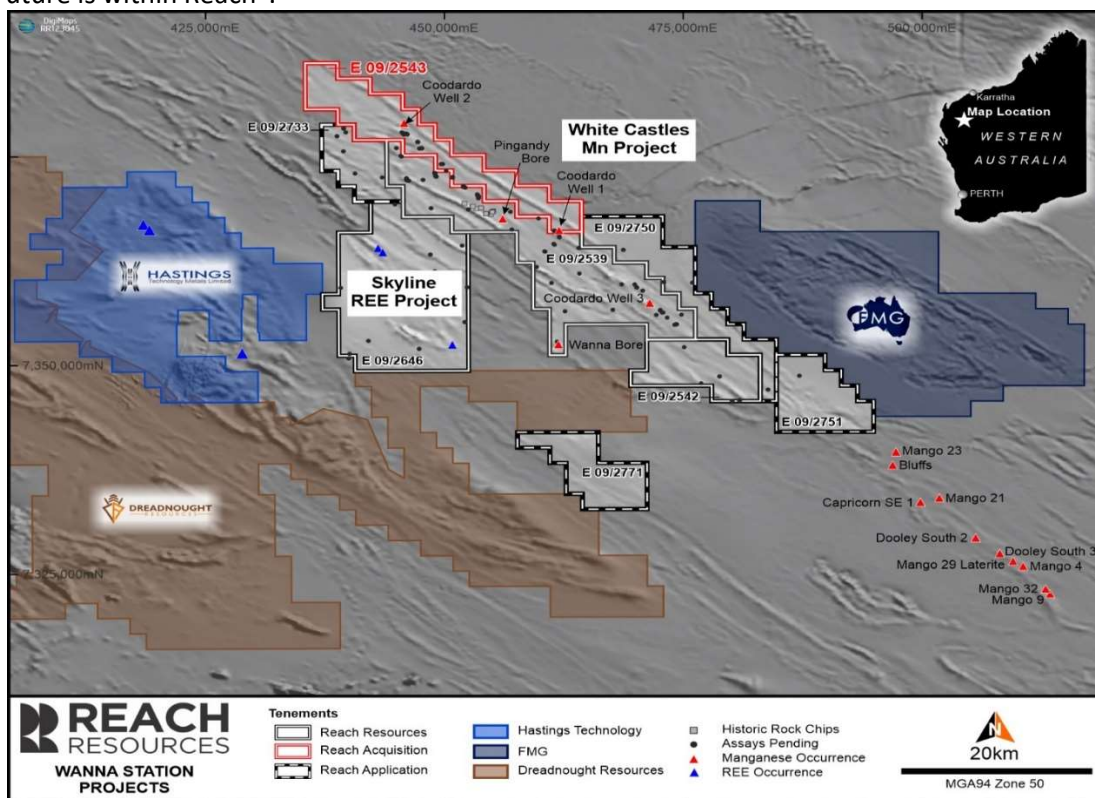


Figure 2: RR1 Tenement location plan – showing White Castles Manganese project.

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RR1 recently conducted a helicopter supported reconnaissance rock chip sampling program (ASX Announcement 20 September 2023). A total of 91 samples were collected from various outcropping material identified from satellite imagery and historical reporting. Some of the samples selected were taken from the Company's adjoining Skyline REE project. Laboratory analysis was conducted by Intertek laboratories.

Following receipt of assay results, **the Company is pleased to confirm the presence of high-grade manganese of up to 48% Mn**. Geochemical analysis is yet to be completed, however it is encouraging to note low impurities within the samples.

Significant results greater than >15% Mn from the reconnaissance program include:

> 15% Mn								
SAMPLEID	Tenement	MGA_X	MGA_Y	Mn %	Fe %	SiO2 %	Al2O3 %	P %
23RRRK219	E 09/2539	474120.68	7354947.57	47.74	6.18	8.98	2.01	0.05
23RRRK179	E 09/2539	445492.44	7375094.44	38.29	17.16	2.52	3.29	0.10
23RRRK192	E 09/2543	445623.36	7377936.76	34.87	16.62	12.45	2.46	0.09
23RRRK209	E 09/2539	449121.15	7372698.81	27.54	4.69	33.64	5.76	0.06
23RRRK193	E 09/2543	445513.76	7377993.81	26.96	11.02	30.71	4.88	0.11
23RRRK239	E 09/2539	472850.19	7356402.22	25.74	8.21	32.39	7.28	0.03
23RRRK217	E 09/2539	473290.94	7355794.35	24.22	4.70	39.40	7.68	0.02
23RRRK204	E 09/2539	449015.7	7373068.66	23.29	12.69	30.71	4.15	0.10
23RRRK210	E 09/2539	449062.5	7372713.54	22.09	10.64	31.83	3.74	0.09
23RRRK190	E 09/2543	445759.53	7377833.97	19.31	9.00	45.24	5.81	0.06
23RRRK196	E 09/2543	447165.45	7376845.6	18.85	7.57	49.86	4.26	0.03

See Appendix A for a list of all sample results.

Manganese is recognised as a critical mineral by the Office of the Chief Economist (Australian Government Department of Industry, Innovation and Science). Further, a White House document (June 2021) states that manganese use in battery cathodes may result in the metals preferred element emergence in next generation battery cells, due to its 'relative safety' and 'having by far the most stability'.

*This announcement has been authorised by the Board of Reach Resources Limited*

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-ENDS-

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**About Reach Resources Limited**

Reach Resources is a critical mineral explorer with a large portfolio of tenements in the resource rich Gascoyne Mineral Field. Recent and historical exploration results have confirmed the presence of Lithium, REE, Niobium and Manganese across the Company's land holdings.

However, the Company is distinct from other pure explorers by also having an Inferred Gold Resource at Payne's Find and an investment in a downstream patented technology that recycles the rare earth elements from the permanent magnets required in electric vehicles, wind turbines, hard disk drives and MRI machines (RECycle Inc.).

**Competent Person's Statement**

Information in this announcement that relates to exploration results is based on and fairly represents information and supporting documentation prepared and compiled by Mr Steve Vallance, who is a Member of the Australian Institute of Geoscientists. Mr Vallance is the Exploration Manager for Reach Resources Limited employed on a full-time basis. Mr Vallance has sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person, as defined in the 2012 Edition of the Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves. Mr Vallance consents to the inclusion in the announcement of the matters based on this information in the form and context in which it appears.

**No New Information**

Except where explicitly stated, this announcement contains references to prior exploration results, all of which have been cross-referenced to previous market announcements made by the Company. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements.

**Forward Looking Statement**

This report contains forward looking statements concerning the projects owned by Reach Resources Limited. If applicable, statements concerning mining reserves and resources may also be deemed to be forward looking statements in that they involve estimates based on specific assumptions. Forward-looking statements are not statements of historical fact and actual events and results may differ materially from those described in the forward looking statements as a result of a variety of risks, uncertainties and other factors. Forward looking statements are based on management's beliefs, opinions and estimates as of the dates the forward looking statements are made and no obligation is assumed to update forward looking statements if these beliefs, opinions and estimates should change or to reflect other future developments.

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# JORC Code, 2012 Edition – Table 1

## Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> <li>Nature and quality of sampling (eg 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.</li> <li>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</li> </ul>	<p>Recent surface sampling (Rock Chip) reported in this ASX release was undertaken by Reach Resources Ltd targeting manganese mineralisation.</p> <p>The program is defined as first pass reconnaissance with sampling being controlled by the availability of outcrop. As such the sampling is random.</p> <ul style="list-style-type: none"> <li>91 rock chip samples were taken as random chips from available outcrop. The samples are considered representative of the outcrop being sampled.</li> <li>Sample weights ranged between 1 and 3kg, collected in individually numbered calico bags and secured polyweave sacks with cable ties.</li> <li>Each sample was digitally photographed and located using handheld GPS units.</li> <li>Multi-element analysis completed by Intertek Laboratories Perth WA using 4 acid digest with ICPMS finish; over-range samples analysed using Intertek's Manganese Orfe XRF Package, ie Li borate fusion/XRF</li> <li>Analysis completed for:             <ul style="list-style-type: none"> <li>Au, Ag, Al, As, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hf, Ho, In, K, La, Li, Lu, Mg, Mn, Mo, Na, Nb, Nd, Ni, P, Pb, Pr, Rb, Re, S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tm, U, V, W, Y, Yb, Zn, Zr.</li> <li>Mn, Al<sub>2</sub>O<sub>3</sub>, BaO, CaO, Cr<sub>2</sub>O<sub>3</sub>, Cu, Fe<sub>2</sub>O<sub>3</sub>, K<sub>2</sub>O, MgO, Na<sub>2</sub>O, P<sub>2</sub>O<sub>5</sub>, Pb.</li> </ul> </li> </ul>
Drilling techniques	<ul style="list-style-type: none"> <li>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg 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).</li> </ul>	<ul style="list-style-type: none"> <li>Not Applicable. No drilling has been reported in this ASX release.</li> </ul>

Criteria	JORC Code explanation	Commentary
Drill sample recovery	<ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Not Applicable. No drilling has been reported in this ASX release.</li> </ul>
Logging	<ul style="list-style-type: none"> <li>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.</li> <li>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>The total length and percentage of the relevant intersections logged.</li> </ul>	<ul style="list-style-type: none"> <li>Not Applicable. No drilling has been reported in this ASX release.</li> <li>Not Applicable. No drilling has been reported in this ASX release.</li> </ul>
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> <li>If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>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.</li> <li>Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul style="list-style-type: none"> <li>No drilling was used to take these samples.</li> <li>Industry standard whole rock samples of 1-3kg were collected and considered to be appropriate for this style of sampling.</li> <li>Rock chip sampling is random by nature and sample spacing is determined by the availability of outcrop.</li> <li>The sampling is considered to be representative of the outcrops which were identified for sampling.</li> <li>All samples were collected in pre-numbered calico bags and placed into clearly labelled polyweave sacks.</li> <li>All samples were delivered to Intertek Laboratories, Perth WA for sample preparation and analyses.</li> </ul>
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> <li>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>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.</li> <li>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</li> </ul>	<ul style="list-style-type: none"> <li>All sample preparation and assaying was conducted by Intertek Laboratories, Perth WA.</li> <li>Upon receipt at the laboratory, all samples were sorted, dried, crushed, pulverized.</li> <li>Multi-element analysis completed on all samples via 4A/MS48 with "over-range" samples being further analysed via FB1/XRF25. These techniques are considered appropriate for the range of commodities being targeted and the sampling being undertaken.</li> <li>Analysis completed for: <ul style="list-style-type: none"> <li>Au, Ag, Al, As, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu,</li> </ul> </li> </ul>



Criteria	JORC Code explanation	Commentary
		<p>Dy, Er, Eu, Fe, Ga, Gd, Ge, Hf, Ho, In, K, La, Li, Lu, Mg, Mn, Mo, Na, Nb, Nd, Ni, P, Pb, Pr, Rb, Re, S, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tm, U, V, W, Y, Yb, Zn, Zr.</p> <ul style="list-style-type: none"> <li>○ Mn, Al<sub>2</sub>O<sub>3</sub>, BaO, CaO, Cr<sub>2</sub>O<sub>3</sub>, Cu, Fe<sub>2</sub>O<sub>3</sub>, K<sub>2</sub>O, MgO, Na<sub>2</sub>O, P<sub>2</sub>O<sub>5</sub>, Pb.</li> </ul> <ul style="list-style-type: none"> <li>• No geophysical tools were used to determine any element concentrations.</li> <li>• Intertek applied standard quality control procedures including the insertion of check samples, duplicates, blanks and standards.</li> <li>• These procedures reflect accepted industry standard procedures and provide acceptable accuracy and precision for this stage of early exploration.</li> </ul>
Verification of sampling and assaying	<ul style="list-style-type: none"> <li>• <i>The verification of significant intersections by either independent or alternative company personnel.</i></li> <li>• <i>The use of twinned holes.</i></li> <li>• <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i></li> <li>• <i>Discuss any adjustment to assay data.</i></li> </ul>	<ul style="list-style-type: none"> <li>• All samples were collected and submitted by RR1 personnel.</li> <li>• All data has been checked and verified by several senior personnel.</li> <li>• No drilling was undertaken.</li> <li>• All field data and laboratory results are/will be entered and stored in an electronic/digital database.</li> <li>• The Company's database is managed by PivotExims and independent database management consultancy.</li> </ul>
Location of data points	<ul style="list-style-type: none"> <li>• <i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i></li> <li>• <i>Specification of the grid system used.</i></li> <li>• <i>Quality and adequacy of topographic control.</i></li> </ul>	<ul style="list-style-type: none"> <li>• All samples collected by were located using handheld Garmin GPS units which provide an accuracy of +/- 5m.</li> <li>• The grid system used is MGA Zone 50 (GDA94).</li> <li>• The project's topographic control is adequate for early-stage surface targeting and reconnaissance.</li> <li>• All samples were located using a handheld GPS and an accuracy of +/- 5 m.</li> </ul>
Data spacing and distribution	<ul style="list-style-type: none"> <li>• <i>Data spacing for reporting of Exploration Results.</i></li> <li>• <i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i></li> </ul>	<ul style="list-style-type: none"> <li>• The data is reconnaissance rock chip sampling.</li> <li>• The data is not being used for resource estimation.</li> <li>• No sample compositing has been undertaken.</li> </ul>

Criteria	JORC Code explanation	Commentary
	<ul style="list-style-type: none"> <li>Whether sample compositing has been applied.</li> </ul>	
Orientation of data in relation to geological structure	<ul style="list-style-type: none"> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>No drilling was used to collect these samples.</li> <li>Sampling was undertaken both along strike and orthogonal to strike where possible in order to provide representative sampling.</li> <li>The orientations of possible structures within the tenements are not well-known at this early stage. The Competent Person considers this appropriate for reviewing historical surface sampling results for prospectivity targeting.</li> </ul>
Sample security	<ul style="list-style-type: none"> <li>The measures taken to ensure sample security.</li> </ul>	<ul style="list-style-type: none"> <li>Chain of custody for samples was managed at all times by RR1 personnel including transport from site to Centurion Freight's facility in Carnarvon, WA.</li> <li>Centurion Freight are responsible for delivery to Interteks Perth Laboratory facility.</li> <li>Intertek notify Reach immediately upon receipt of samples.</li> </ul>
Audits or reviews	<ul style="list-style-type: none"> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>	<ul style="list-style-type: none"> <li>RR1 has not undertaken any audits or reviews with respect to this phase of exploration.</li> <li>Industry standard techniques are applied at every stage of the exploration process.</li> </ul>

## Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<ul style="list-style-type: none"> <li>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.</li> <li>The security of the tenure held at the time of reporting along with</li> </ul>	<p><b>Skyline/White Castles Project Tenements</b></p> <ul style="list-style-type: none"> <li>The Skyline/White Castles Project comprises eight Exploration Licences (E 09/2646, E 09/2733 (Application), E09/2750 (Application), E09/2539, E09/2542, E09/2751 (Application), E09/2771 (Application) and E09/2543) which collectively secure</li> </ul>



Criteria	JORC Code explanation	Commentary
	<p><i>any known impediments to obtaining a licence to operate in the area.</i></p>	<p>a total area of approximately 906km<sup>2</sup>.</p> <ul style="list-style-type: none"> <li>Reach owns 100% of all tenements.</li> <li>The Project area is located 300km east-northeast of Carnarvon, and 170km northeast of the town of Gascoyne Junction in Western Australia.</li> <li>To our knowledge, there are no joint venture agreements, royalties, aboriginal heritage sites, historical sites, wilderness, national parks or environmental settings recorded within Reach's Skyline Project tenements and applications.</li> </ul>
<p><i>Exploration done by other parties</i></p>	<ul style="list-style-type: none"> <li><i>Acknowledgment and appraisal of exploration by other parties.</i></li> </ul>	<ul style="list-style-type: none"> <li>Historical exploration has been very limited and includes regional scale, very wide spaced stream sediment and rock chip sampling.</li> </ul>
<p><i>Geology</i></p>	<ul style="list-style-type: none"> <li><i>Deposit type, geological setting and style of mineralisation.</i></li> </ul>	<ul style="list-style-type: none"> <li>The Skyline/White Castles Project area is considered prospective for stratabound and structurally controlled "Woodie Woodie Style" manganese mineralization and Carbonatite associated "Yangibana-style" Rare Earth mineralization.</li> <li>The Project tenure is located within the Edmund Basin which is dominated by sedimentary rocks of the Edmund and Collier groups</li> <li>The area is dominated by the Narimbunna Dolerite and sedimentary siliclastic rocks of the Ullawarra Formation. The Ullawarra Formation regionally hosts supergene-stratiform, lateritic and detrital style Mn mineralisation</li> </ul>
<p><i>Drill hole Information</i></p>	<ul style="list-style-type: none"> <li><i>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:</i> <ul style="list-style-type: none"> <li><i>easting and northing of the drill hole collar</i></li> <li><i>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</i></li> <li><i>dip and azimuth of the hole</i></li> <li><i>down hole length and interception depth</i></li> <li><i>hole length.</i></li> </ul> </li> <li><i>If the exclusion of this information is justified on the basis that the</i></li> </ul>	<ul style="list-style-type: none"> <li>Not Applicable – no drilling was undertaken.</li> </ul>

Criteria	JORC Code explanation	Commentary
	<i>information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</i>	
Data aggregation methods	<ul style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<ul style="list-style-type: none"> <li>No data aggregation methods have been applied.</li> </ul>
Relationship between mineralisation widths and intercept lengths	<ul style="list-style-type: none"> <li>These relationships are particularly important in the reporting of Exploration Results.</li> <li>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</li> </ul>	<ul style="list-style-type: none"> <li>Not Applicable – no drilling has been undertaken.</li> </ul>
Diagrams	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate maps for the Skyline/White Castles Project are included in the release.</li> <li>No drilling has been undertaken.</li> </ul>
Balanced reporting	<ul style="list-style-type: none"> <li>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</li> </ul>	<ul style="list-style-type: none"> <li>Recent and historical results that are considered relevant have been presented here in a balanced manner to avoid misleading reporting. The reported results (Appendix A) reflect the full range of rock-chip results for the target commodities available to Reach Resources at the time of this report. No relevant information has been omitted.</li> </ul>
Other substantive exploration data	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>RSC Mining and Mineral Exploration Consultants were engaged by Reach Resources Ltd to undertake a prospectivity analysis of the project areas.</li> <li>Relevant datasets were processed and filtered to identify targets</li> <li>Data which is relevant to this release is included in this report.</li> <li>All relevant data available to Reach Resources has been documented in this report.</li> </ul>
Further work	<ul style="list-style-type: none"> <li>The nature and scale of planned further work (eg tests for lateral</li> </ul>	<ul style="list-style-type: none"> <li>Desktop studies and target identification are in progress.</li> </ul>

Criteria	JORC Code explanation	Commentary
	<p><i>extensions or depth extensions or large-scale step-out drilling).</i></p> <ul style="list-style-type: none"><li><i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i></li></ul>	<ul style="list-style-type: none"><li>Field reconnaissance and surface geochemical soil surveys are scheduled to commence in November 2023.</li></ul>



## APPENDIX A

ALL DATA								
SAMPLEID	Tenement	MGA_X	MGA_Y	Mn %	Fe %	SiO2 %	Al2O3 %	P %
23RRRK151	E 09/2515	439961.61	7350912.93	0.02	0.60		0.39	0.05
23RRRK152	E 09/2515	439951.13	7350912.88	0.01	0.59		0.97	0.02
23RRRK153	E 09/2539	461980.22	7365827.41	8.21	16.58	53.62	2.43	0.05
23RRRK154	E 09/2539	461934.67	7365876.89	5.51	7.94	58.68	5.63	0.05
23RRRK155	E 09/2539	461876.66	7365896.88	1.83	11.72		1.44	0.06
23RRRK156	E 09/2539	461846.31	7365931.24	8.78	17.18	53.17	2.68	0.05
23RRRK157	E 09/2539	461783.37	7365967.17	7.12	23.05	47.62	2.67	0.07
23RRRK158	E 09/2539	461722.02	7366019.04	9.13	12.53	57.92	4.08	0.09
23RRRK159	E 09/2543	461673.56	7366050.68	6.19	12.02	56.59	7.61	0.04
23RRRK160	E 09/2543	461604.4	7366124.57	8.62	13.41	57.91	2.91	0.05
23RRRK161	E 09/2543	461525.46	7366202.41	4.72	11.97		3.98	0.06
23RRRK163	E 09/2539	453572.7	7370278.04	1.41	43.02		2.34	0.03
23RRRK164	E 09/2539	453539.1	7370333.07	1.83	36.04		4.22	0.25
23RRRK165	E 09/2539	453493.16	7370425.37	0.11	48.06		4.25	0.46
23RRRK166	E 09/2539	453429.25	7370465.68	0.10	37.72		5.60	0.69
23RRRK167	E 09/2539	453413.39	7370547.11	0.02	39.60		4.02	0.45
23RRRK168	E 09/2539	453477.98	7370361.88	0.02	47.64		4.04	0.26
23RRRK169	E 09/2539	453529.93	7370238.48	2.30	36.38		3.94	0.56
23RRRK170	E 09/2539	453543.4	7370072.13	1.64	50.00	2.63	2.59	0.04
23RRRK171	E 09/2539	452018.69	7371479.2	0.64	49.15		2.83	0.06
23RRRK172	E 09/2543	451941.28	7371531.98	2.14	48.60		3.68	0.09
23RRRK173	E 09/2539	451928.58	7371459.75	2.10	42.68		2.93	0.10
23RRRK174	E 09/2539	452122.57	7371403.71	0.23	47.42		3.70	0.04

23RRRK175	E 09/2539	452154.07	7371368.28	1.69	46.72		2.68	0.06
23RRRK176	E 09/2543	450822.37	7372545.58	2.50	50.00	8.29	1.67	0.09
23RRRK177	E 09/2543	450837.22	7372643.17	0.22	49.86		3.57	0.39
23RRRK178	E 09/2543	450168.53	7373380.57	0.52	49.88		2.79	0.27
23RRRK179	E 09/2539	445492.44	7375094.44	38.29	17.16	2.52	3.29	0.10
23RRRK180	E 09/2539	445397.3	7375159.63	0.17	50.00	8.30	2.88	0.51
23RRRK181	E 09/2733	439429.15	7378475.02	0.24	50.00	4.90	3.90	0.48
23RRRK182	E 09/2733	439441.98	7378429.79	0.04	42.21		2.24	0.25
23RRRK183	E 09/2733	439657.63	7377981.17	1.19	50.00	6.71	2.72	0.08
23RRRK184	E 09/2733	438737.64	7377529.92	0.74	50.00	9.34	3.25	0.25
23RRRK185	E 09/2646	442024.66	7353007.68	0.65	4.51		1.59	0.28
23RRRK186	E 09/2543	445731.19	7377752.26	9.25	20.36	45.17	3.07	0.18
23RRRK187	E 09/2543	445741.26	7377759.39	6.39	23.20	43.59	4.70	0.12
23RRRK188	E 09/2543	445744.24	7377779.66	3.49	16.86		5.21	0.17
23RRRK189	E 09/2543	445757.69	7377782.59	8.65	20.89	43.77	4.30	0.25
23RRRK190	E 09/2543	445759.53	7377833.97	19.31	9.00	45.24	5.81	0.06
23RRRK191	E 09/2543	445708.38	7377854.82	13.00	21.44	40.62	2.43	0.10
23RRRK192	E 09/2543	445623.36	7377936.76	34.87	16.62	12.45	2.46	0.09
23RRRK193	E 09/2543	445513.76	7377993.81	26.96	11.02	30.71	4.88	0.11
23RRRK194	E 09/2543	445684.22	7377883.84	8.85	32.71	24.51	5.02	0.32
23RRRK195	E 09/2543	445760.34	7377780.94	7.60	32.06	29.94	3.33	0.18
23RRRK196	E 09/2543	447165.45	7376845.6	18.85	7.57	49.86	4.26	0.03
23RRRK197	E 09/2543	447209.24	7376829.59	9.60	13.41	58.64	3.17	0.05
23RRRK198	E 09/2543	447567.08	7376111.36	13.18	26.56	28.16	2.10	0.82
23RRRK199	E 09/2543	447622.58	7376067.28	8.93	24.78	40.19	2.26	0.17
23RRRK200	E 09/2543	447360.79	7376048.61	3.91	27.39		3.67	0.11
23RRRK201	E 09/2543	449622.76	7374184.91	1.25	50.00	11.52	4.34	0.11
23RRRK202	E 09/2543	449804.99	7374182.88	0.85	48.25		3.66	0.36

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23RRRK203	E 09/2539	449027.71	7373130.48	3.97	9.77		6.03	0.11
23RRRK204	E 09/2539	449015.7	7373068.66	23.29	12.69	30.71	4.15	0.10
23RRRK205	E 09/2539	448964.07	7373114.76	11.45	13.03	48.43	5.17	0.12
23RRRK206	E 09/2539	448943.03	7373098.74	6.57	8.63	59.54	6.78	0.18
23RRRK207	E 09/2539	448936.62	7373125.4	2.57	4.50		4.50	0.07
23RRRK208	E 09/2539	449129.47	7372678.57	2.11	7.03		8.78	0.07
23RRRK209	E 09/2539	449121.15	7372698.81	27.54	4.69	33.64	5.76	0.06
23RRRK210	E 09/2539	449062.5	7372713.54	22.09	10.64	31.83	3.74	0.09
23RRRK211	E 09/2539	449027.92	7372779.41	3.16	4.59		3.73	0.08
23RRRK212	E 09/2539	469891.39	7359778.76	1.85	10.02		7.71	0.04
23RRRK213	E 09/2539	470075.24	7359446.22	9.03	26.13	23.72	8.53	0.21
23RRRK214	E 09/2539	470084.85	7359428.42	2.68	29.00		5.71	0.14
23RRRK215	E 09/2539	470116.89	7359391.39	2.69	28.17		5.61	0.13
23RRRK216	E 09/2539	470726.95	7359033.83	0.93	18.21		6.27	0.16
23RRRK217	E 09/2539	473290.94	7355794.35	24.22	4.70	39.40	7.68	0.02
23RRRK218	E 09/2539	474077.34	7354933.99	3.23	21.73		5.64	0.13
23RRRK219	E 09/2539	474120.68	7354947.57	47.74	6.18	8.98	2.01	0.05
23RRRK220	E 09/2539	474244.22	7355011.56	3.72	8.30		7.52	0.08
23RRRK221	E 09/2539	474279.26	7354997.68	11.98	17.23	45.48	4.00	0.20
23RRRK222	E 09/2539	445994.05	7372400.74	0.08	49.92		2.43	0.54
23RRRK223	E 09/2539	446020.38	7372471.58	0.10	47.60		5.39	0.61
23RRRK224	E 09/2539	446000	7372497.97	0.02	46.79		5.90	0.59
23RRRK225	E 09/2539	446020.8	7372222.59	0.03	20.18		3.55	0.20
23RRRK226	E 09/2539	446110.76	7372254.36	0.10	43.48		3.18	0.31
23RRRK227	E 09/2539	446130.16	7372244.36	0.14	50.00	4.83	2.64	0.41
23RRRK228	E 09/2539	446206.41	7372210.66	0.09	50.00	4.42	2.92	0.45
23RRRK229	E 09/2539	446250	7372187.45	0.04	50.00	7.28	4.27	0.36
23RRRK230	E 09/2539	446012.25	7372273.26	0.39	48.32		2.56	0.10

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23RRRK231	E 09/2539	457030.96	7366338.66	2.80	46.21		1.59	0.10
23RRRK232	E 09/2712	458943.8	7352249.99	12.23	24.48	33.76	1.71	0.36
23RRRK233	E 09/2539	471443.37	7357333.27	0.23	45.03		1.64	0.50
23RRRK234	E 09/2539	472571.55	7356644.05	6.05	21.43	49.94	3.62	0.05
23RRRK235	E 09/2539	472559.07	7356673.37	2.53	20.30		3.00	0.10
23RRRK236	E 09/2539	472578.14	7356710.05	6.97	6.08	68.26	5.77	0.03
23RRRK237	E 09/2539	472761.75	7356398.62	4.39	14.18		2.07	0.10
23RRRK238	E 09/2539	472837.95	7356415.6	14.53	9.82	49.22	5.93	0.04
23RRRK239	E 09/2539	472850.19	7356402.22	25.74	8.21	32.39	7.28	0.03
23RRRK240	E 09/2542	480888.37	7345905.97	4.33	16.64		6.86	0.06
23RRRK241	E 09/2542	480871.78	7345915.14	4.50	10.48		7.74	0.05
23RRRK242	E 09/2542	480878.87	7345857.13	11.86	18.12	43.20	4.12	0.09