18 May 2023

OUTCROPPING COPPER GOSSAN DELIVERS 33% Cu ASSAYS AT MORRISSEY HILL PROJECT, YINNETHARRA

HIGHLIGHTS

- High grade copper-oxide mineralisation (malachite) confirmed at the Company's **Morrissey Hill Project, Yinnetharra** with rock chip samples reporting highly encouraging assays of up to **33.2% Cu; 0.2 g/t Au and 141.8g/t Ag.** (Figure 1).
- Results follow **Morrissey Hill** assays of up to **2.3% Li_2O** (ASX Announcement 15 May 2023).
- Mineralisation at the Swallowtail Copper Prospect was mapped over a strike length of at least 150m and remains open in all directions.
- Significant results include:
  - **33.2% Cu,** 0.2g/t Au and 141.8g/t Ag (23RRRK0039).
  - **14.7% Cu,** 0.02g/t Au and 55.6g/t Ag (23RRRK0042).
  - **4.2% Cu,** 0.3g/t Au and 5.7g/t Ag (23RRRK0041).
  - **2.3% Cu,** 0. 2g/t Au and 5.0g/t Ag (23RRRK0043).
- Historical sampling 3.0km's west of Swallowtail could potentially extend the strike with historical results returned:
  - **18.5% Cu, 1.1g/t Au and 6.8g/t Ag**
- The rock chip results confirm the Company's targeting methodology and the potential of the area to host significant mineralisation.
- Morrissey has never been drilled & geochemical surveys planned to commence next week.

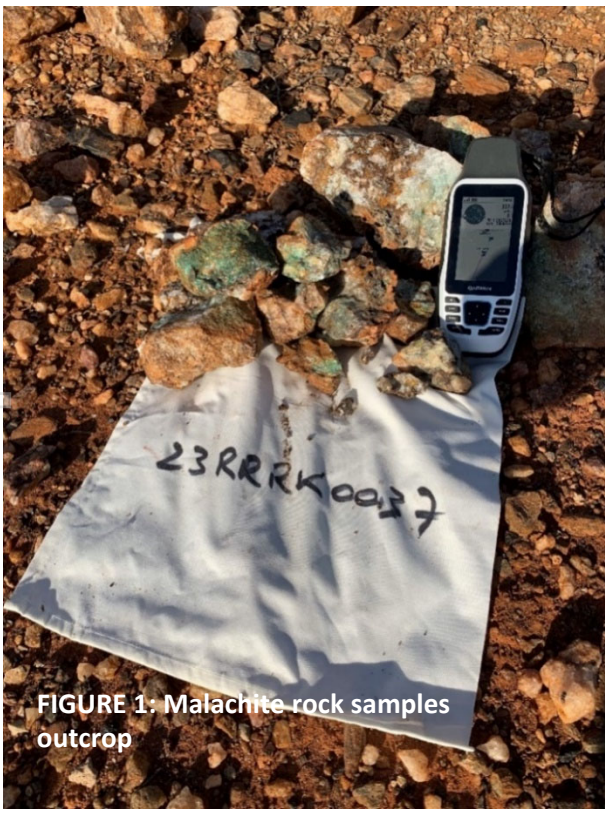

FIGURE 1: Malachite rock samples outcrop

FIGURE 2: Copper gossan

Commenting on the results CEO Jeremy Bower said:

"The Morrissey Hill tenement at our Yinnetharra Project continues to deliver. These are outstanding copper results and in conjunction with the 2.3% Li_20 announced earlier this week, it is clear how prospective the ground is. We're focused on sourcing the critical and battery minerals of the future and copper is an important part of our strategy. Despite several world class copper-gold and polymetallic base metal deposits in the East Capricorn Orogen, the West Capricorn and Gascoyne has been massively under-explored. We see this as a huge opportunity.

Importantly, we are fully funded to complete our field programs and drilling campaigns earmarked for this year. Our focus remains on thorough geochemical assessment of each target and getting drill rigs out to Morrissey Hill as soon as possible. This will mean consistent news flow for our shareholders over the coming months."

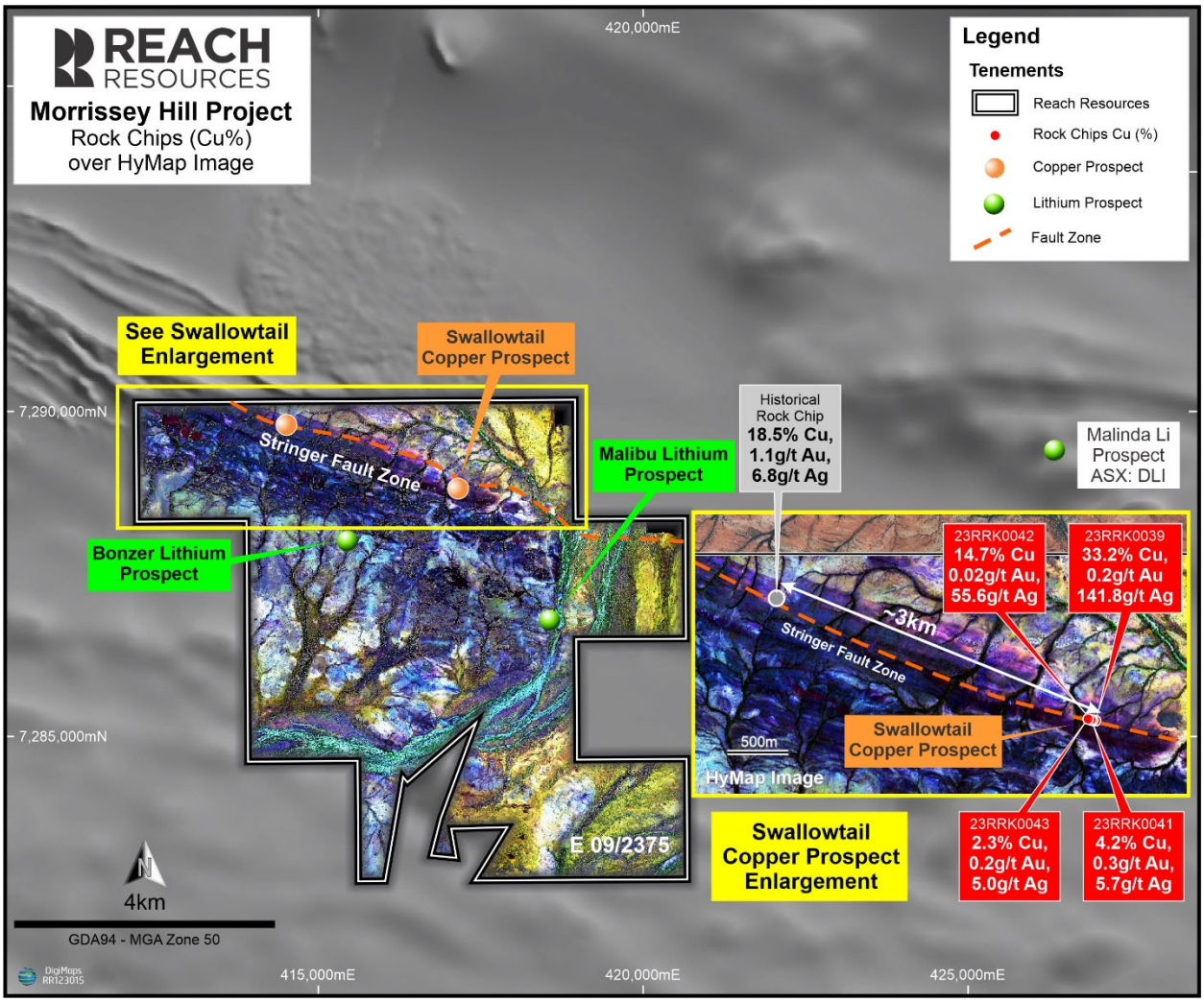

FIGURE 3: Morrissey Hill showing location of the Swallowtail Prospect along Stringer Fault line

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Reach Resources Limited (ASX: RR1 & RR1O) ("Reach" or "the Company") is pleased to announce that it has received high grade copper, gold and silver results up to 33% copper, 0.2g/t gold and 142g/t silver from its recently completed rock chip sampling program at the Company's Morrissey Hill Project, Yinnetharra, W. A (Refer to Figure 4).

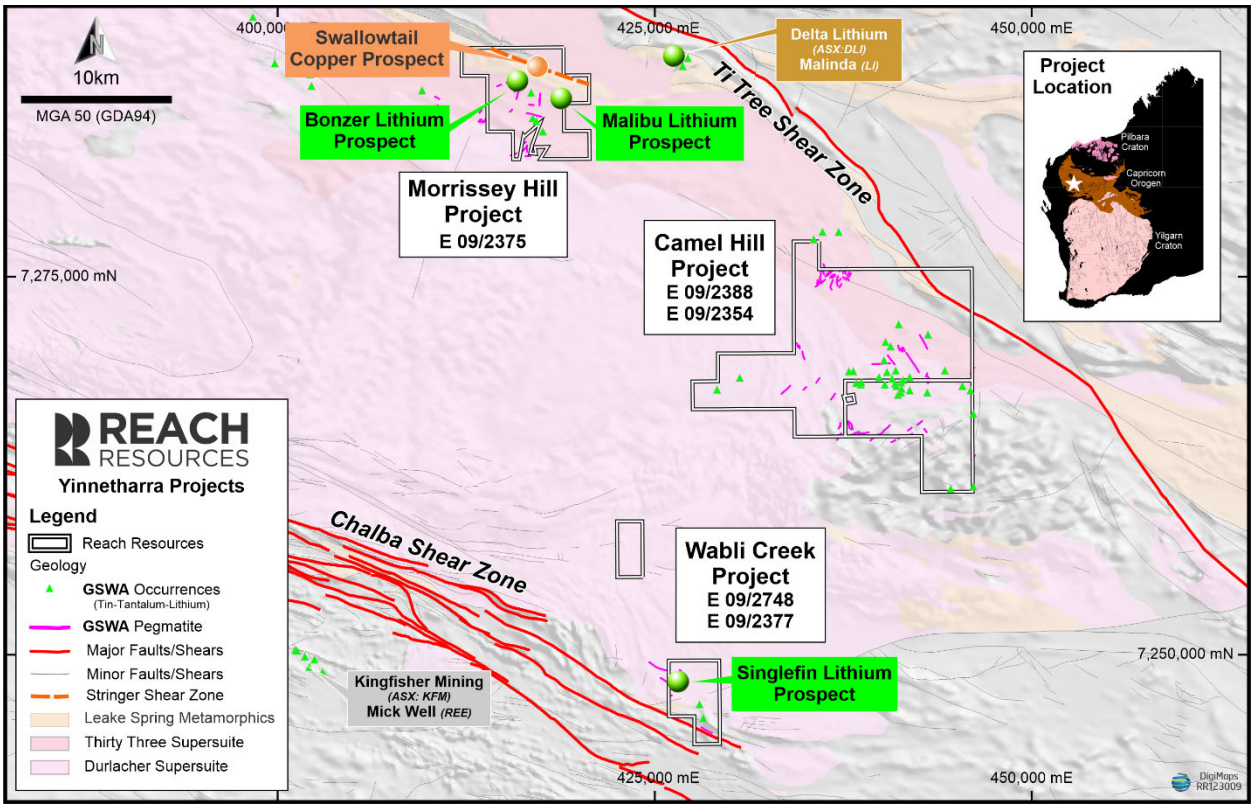

FIGURE 4: Regional location of Reach Yinnetharra projects

The rock chip results confirm the Company's targeting methodology and the potential of the area to host significant mineralisation. Systematic surface geochemical surveys including soils, stream sediment and rock chip sampling are planned to commence immediately. Results from this work will guide follow up programs which if warranted may include electromagnetic geophysical surveys and drill testing of priority targets.

The results were reported from an outcropping quartz-veined gossan, the Swallowtail Prospect, showing visible malachite (copper-oxide) over a strike length of approximately 150m. The gossan strikes east-west, appears to dip steeply towards the south and remains open in both directions. A single historical sample located some 3.0km's west of Swallowtail, and within the same structural corridor, also reported high grade copper, gold and silver assays indicating a potential strike length of the target zone in excess of 3km's (Refer to Figure 3).

Table 1 at Annexure 1 presents a summary of copper results.

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Significant results include:

- **33.2% Cu,** 0.2g/t Au and 141.8g/t Ag (23RRRK0039);
- **14.7% Cu,** 0.02g/t Au and 55.6g/t Ag (23RRRK0042);
- **4.2% Cu,** 0.3g/t Au and 5.7g/t Ag (23RRRK0041);
- **2.3% Cu,** 0.2g/t Au and 5.0g./t Ag (23RRRK0043)
- **18.5% Cu**, 1.1g/t Au and 6.8g/t Ag (Historical sample)

The Gascoyne Province is proving to be one of the most highly endowed yet under-explored mineral provinces in Australia. The region hosts a variety of mineralisation styles including REE's, rare metal pegmatites, orogenic gold, base metals and tungsten bearing skarns, however it remains under-explored due largely to continued gold exploration success in the Yilgarn and an increased exploration focus on surrounding basins in the East Capricorn Orogen following the discovery of Sandfire's De Grussa Copper-Gold Deposit in 2008-2009.

Reach recently engaged global mining and exploration specialists RSC Consultants to undertake a Prospectivity Analysis of the Company's Projects. Several lithium and base/precious metal targets generated from this work were assessed as part of a limited helicopter supported reconnaissance rock chip sampling program undertaken in March this year. The program was aimed at confirming historical mapping and sampling results as well as assessing previously unrecognized pegmatite occurrences and high priority base and precious metal targets.

Results from the lithium pegmatite sampling program were announced to the ASX on Monday 15 May 2023. Results from the base and precious metals sampling are presented in this release.

The Swallowtail Prospect is a structural target identified at the contact between the Leake Springs Metamorphics and the Thirty Three Supersuite Granite at Morrissey Hill. It is located at the northern margin of the Mutherbukin Tectonic Zone, bounded by two regionally recognizable, large scale crustal structures, the Ti Tree Shear Zone to the north and the Chalba Shear Zone to the South. The target corridor secures the southeastern extension of what is now termed the "Stringer Fault", a sub-parallel splay of the Ti Tree Shear with recorded base and precious metal endowment (Refer Figure 3).

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

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-ENDS-

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 a significant 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 (REEcycle 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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Appendix 1

Table 1: Copper Assays

SAMPLE NUMBERS	E_MGA	N_MGA	Cu	Cu	Cu	Au	Au-Rp1	Ag	As	Ba	Bi	Pb	Zn	W	W	Mo	Fe	ELEMENTS
			ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	UNITS
			0.5	20		0.005	0.005	0.05	0.5	0.1	0.01	0.5	1	0.1	1	0.1	0.01	DETECTION
			4A/MS	FP6/MS		FA50/OE	FA50/OE	4A/MS	4A/MS	4A/MS	4A/MS	4A/MS	4A/MS	4A/MS	FP6/MS	4A/MS	4A/MS	METHOD
23RRRK0037	417150	7288816	8653.9			0.024		4.38	1.2	71.4	105.42	1.9	147	90.3	90	7.7	8.06	
23RRRK0038	417158	7288818	9290.2			0.014		2.51	1.3	85.1	4.54	1	82	762.6	2079	6.5	5.65	
23RRRK0039	417123	7288818	>20000.0	332236	**33.2236**	0.197		141.83	2.2	975.1	43.34	6.2	221	54.6	54	34.7	20.64	
23RRRK0040	417117	7288818	6647.1			0.263	0.277	4.94	1.2	59.9	623.03	17.7	25	103.2	113	5.9	7.81	
23RRRK0041	417100	7288821	>20000.0	41992	**4.1992**	0.255	0.269	5.71	1.1	88.3	801.75	9.6	144	36	36	7.4	8.84	
23RRRK0042	417085	7288823	>20000.0	146511	**14.6511**	0.017		55.59	2.7	316.5	52.99	11.1	244	68.1	69	12.6	14.82	
23RRRK0043	417061	7288830	>20000.0	22912	**2.2912**	0.172		5.03	1.8	101.7	206.02	6.5	70	298.3	284	13.3	9.5	

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	• *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.* • *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 (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.*	Recent surface sampling (Rock Chip) reported in this ASX release was undertaken by Reach Resources Ltd targeting Lithium, Precious and Base Metal and Rare Earth Element mineralisation. • 100 rock chip samples were taken as random chips and/or grab samples. • Sample weights ranged between 1 and 3kg, collected in individually numbered calico bags and secured polyweave sacks. • Each sample was photographed and located using handheld GPS. • Multi-element analysis was completed by Intertek Laboratories Perth WA using 4 acid digest with ICPMS finish; Sodium peroxide fusion and ICPMS finish and by fire assay with ICPOES finish. • Analysis was completed for 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. Historical surface sampling (rock-chip and soil) reported in this ASX release was undertaken historically by: ○ Whim Creek Consolidated in 1982, targeting Cu and W. ○ Pure Minerals in 2018, targeting for Li and Ta in its Morrissey Hill Project. ○ Mineral Developments in 2017, targeting beryl, Li, mica, REEs and U in the Morrissey Hill project. **Whim Creek Consolidated, South Nardoo Project (1982, A10731)** • 13 rock chips • 9 assayed for W • 4 assayed for Cu, Sn, Pb, Ag and Au

Criteria	JORC Code explanation	Commentary
		• There are no historical records of measures taken by Whim Creek to ensure sample representivity of the primary sample. • **<u>Pure Minerals, Morrissey Hill Project:</u>** **<u>(2018, A number: 117605)</u>** • Soil (1112) and rock chip (50) samples were collected by Pure Minerals during a surface sampling programme at the Morrissey Hill tenement. Pure Minerals used a portable XRF analyser to analyse the soil and rock chip samples in field, before being submitted for laboratory analyses. • There are no historical records of measures taken by Pure Minerals to ensure sample representivity of the primary sample. • Soil samples were collected by removing the loose surface material and sampling to a depth of 5–10 cm beneath the surface. The first batch of soil samples (MSS0001–0133) were collected during Sept/Oct 2017 and the collected material was sieved using a 2 mm mesh and the -2 mm component was collected for analysis by MS91 (Na_2O_2 fusion, ICP-AES and ICP-MS). The second batch of soil samples (MSS01134–1112) were collected during March 2018 and the collected material was sieved using an 80 Mesh sieve and the -80 mesh component was collected for analysis. Rock-chip samples (MHS0001–0050) were collected, primarily from pegmatites; however, no further information is available on the sampling techniques used for the rock-chip samples. **<u>Mineral Developments, Morrissey Hill Project:</u>** **<u>(2017, A number: 114717)</u>** • Rock-chip samples (17) were collected by Mineral Developments during field reconnaissance at the Morrissey Hill tenement. • There are no historical records of measures taken by Mineral Developments to ensure sample representivity of the primary sample. • There is no further information available on the sampling techniques used for the rock-chip samples.
Drilling techniques	• *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*	• No drilling has been reported in this ASX release.

Criteria	JORC Code explanation	Commentary
	type, whether core is oriented and if so, by what method, etc).	
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.*	• No drilling has been reported in this ASX release.
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.*	• No drilling has been reported in this ASX release.. • No drilling has been reported in this ASX release.
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.*	• No drilling was used by Reach Resources to take these samples. • Industry standard whole rock samples of 1-3kg were collected by Reach Resources and considered to be appropriate for this style of sampling.. • No records are available on sub-sampling techniques for Pure Minerals and Mineral Developments; therefore, the quality and appropriateness of the sample preparation techniques is unknown. The Competent Person considers this acceptable for high-level prospectivity targeting. • No records are available on whether any quality control procedures were adopted during the sub-sampling stages by Pure Minerals and Mineral Developments. • There are no records of any duplicate samples for Pure Minerals and Mineral Developments surface samples. • Sample sizes with respect to grain size are unknown for the surface samples collected by Pure Minerals and Mineral Developments.
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*	**Reach Resources** • Assaying was conducted by Intertek Laboratories, Perth WA. • Samples were sorted, dried, crushed, pulverized. • Multi-element analysis was completed on all samples via 4A/MS48; FP6/MS33 and FA50/OE04 techniques which are

Criteria	JORC Code explanation	Commentary
	derivation, etc. • *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.*	considered appropriate for the range of commodities being targeted and the sampling being undetrtaken. • Analysis was completed for 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. • No geophysical tools were used to determine any element concentrations. • Intertek applied standard quality control procedures including the insertion of check samples, duplicates, blanks and standards. • These procedures reflect accepted industry standard procedures and provide acceptable accuracy and precision. **Pure Minerals, Morrissey Hill Project: (2018, A number: 117605)** • Samples were analysed by ALS in Perth by package MS91, a package combining Na_2O_2 fusion, ICP-AES and ICP-MS determination. This technique is considered appropriate for Li analysis by the Competent Person. • Portable XRF data have not been reported in this ASX release. • No records are available of the quality control procedures and results; however, ALS Perth is an accredited and ISO-certified laboratory and therefore appropriate internal quality control procedures are assumed to have been adopted. **Mineral Developments, Morrissey Hill Project: (2017, A number: 114717)** • Samples were analysed by Nagrom in Perth using techniques ICP004 (for Li) and XRF008 for whole rock analyses. • No records are available of quality control procedures being undertaken. •
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.*	• RR1 rock samples were collected and submitted by RR1 personnel.All data has been checked and verified by several senior personel. • No drilling was undertaken.

Criteria	JORC Code explanation	Commentary
	• *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• All field data and laboratory results are entered and stored in an electronic database. • Elemental oxide assays reported in this announcement were provided to RR1 by Intertek. • Pure Minerals' records indicate that data was compiled directly from laboratory results and checks against field notes and GIS software were completed. No records are available on the verification of the sampled material by Mineral Developments • Full details on Pure Minerals data documentation and entry protocols are not known. Assay data are available to the public and can be obtained from historical open-file reports via WAMEX. • No adjustments to assay data were reported in the open-file records. However, Reach applied elemental to oxide conversions for the Pure Minerals and Mineral Developments assay data. • Li (ppm) was converted to Li_2O (%) by dividing by 10,000 to convert to Li (%) and then by multiplying by a conversion factor of 2.153. • Ta (%) was converted to Ta_2O_5 (%) by multiplying by a conversion factor of 1.221. • Nb (%) was converted to Nb_2O_5 (%) by multiplying by a conversion factor of 1.431.
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.*	• All samples collected by RR1 were located using handheld Garmin GPS units which provide an accuracy of +/- 5m. • The grid system used in the figures and appendices in this ASX release is MGA Zone 50 (GDA94). • The project's topographic control is adequate for early-stage surface targeting and reconnaissance. **Pure Minerals, Morrissey Hill Project: (2018, A number: 117605)** • All samples were located using a handheld GPS and an accuracy of +/- 5 m. • Sample locations were recorded in MGA Zone 50 (GDA94) • RLs were recorded for the first batch of soil samples (MSS0001–0133) and rock chip samples (MHS0001–0050); however, no elevation data were recorded for the second batch of soil samples (MSS01134–1112).

Criteria	JORC Code explanation	Commentary
		Mineral Developments, Morrissey Hill Project: **(2017, A number: 114717)** • All samples were located using a GPS; however, accuracy of the GPS instrument is unknown. • Sample locations were recorded in MGA Zone 50 (GDA94). • No elevation data were recorded for the rock chip samples.
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.*	**Reach Resources Ltd** • Distance between rock chip sample sites vary. • Sample spacing is typically determined by the availability of outcrop. • The data is not being used to support estimation of Mineral Resources or Ore Reserves. • No sample compositing has been undertaken. • Historical reconnaissance Exploration Results have been compiled for prospectivity targeting. Data spacing is not intended to support continuity for Mineral Resource estimation. Drilling is required to achieve data spacing and distribution sufficient for resource estimation. **Pure Minerals, Morrissey Hill Project:** **(2018, A number: 117605)** • Soil samples were collected on an 800 x 200 m grid of 50–100 m x 400 m line spacings to avoid drainage and areas considered less prospective. No information is available on data spacing for the rock chip samples. Rock-chip samples appear to be very selective, collected primarily from pegmatites. • There are no records of sample compositing having been applied. **Mineral Developments, Morrissey Hill Project:** **(2017, A number: 114717)** • Rock-chip samples were collected randomly from pegmatite outcrops. • No sample composting was applied. •
Orientation of data in	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering*	**Reach Resources Ltd** • No drilling was used to collect these samples.

Criteria	JORC Code explanation	Commentary
relation to geological structure	*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.*	• Sampling was undertaken both along strike and orthogonal to strike where possible in order to provide representive sampling. • 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. **Pure Minerals, Morrissey Hill Project: (2018, A number: 117605)** Soil sampling grid was oriented to the northeast as pegmatites were observed in east–west and north–south orientations. **Mineral Developments, Morrissey Hill Project: (2017, A number: 114717)** • Rock-chip samples were collected from pegmatite outcrops. •
Sample security	• *The measures taken to ensure sample security.*	**Reach Resources Ltd** • Chain of custody for samples were managed at all times by RR1 personnel including transport from site and delivery to Interteks Perth Laboratory facility. **Pure Minerals, Morrissey Hill Project: (2018, A number: 117605)** Records indicate that all samples were submitted directly to the laboratory; however, no additional information is available on sample security. **Mineral Developments, Morrissey Hill Project: (2017, A number: 114717)** • Samples were submitted to the laboratory; however, no additional information is available on sample security.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• RR1 has not undertaken any audits or reviews with respect to this phase of exploration. • Industry standard techniques are applied at every stage of the exploration process. • There are no records of any audits or reviews of the historical sampling techniques or data other than the current collation of information by Reach, where the key deliverable was to establish

Criteria	JORC Code explanation	Commentary
		prospectivity.

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	• *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.*	**Yinnetharra Critical Elements Project** • The Critical Elements Projects comprise granted licenses E 09/2375 (Morrisey Hill), E 09/2388 and E 09/2354 (Camel Hill) along the Ti Tree Shear Zone, and E 09/2377 (Wabli Creek) along the Chalba Shear Zone. • An application was lodged for E 09/2748. There are no aboriginal heritage places listed within Reach tenements and applications.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• This release summarises the results of material exploration by other parties within E 09/2375, E 09/2388, E 09/2354, E 2748, E 09/2377U3O8 Ltd drilled two RC holes in E09/2377 targeting U mineralisation. The Competent Person does not consider the results material due to the different target commodities. The remainder of the historical exploration undertaken in these tenements are surface samples. • There appears to be some discrepancies between historical soil assays. • Much of the existing soil sampling is considered to be too widely spaced for the style of mineralization of interest to RR1. • The historical results provide a broad guide only.

Company	Report Number	Year	Target commodity	Reach Tenement
Pure Minerals Limited	117605, 117689	2018	Li ±Ta	E 09/2375, E 09/2377

Criteria	JORC Code explanation	Commentary

Mineral Developments	114716, 114717	2017	Beryl, Li, Mica, REE, U	E 09/2375, E 09/2377
Encounter Resources	78072	2008	U and base metals	E 09/2388
Rising Mining Holdings Pty Ltd	93579, 97672	2012, 2013	U, W, REE	E 09/2388
Glengarry Resources Ltd	66179	2003	Ta	E 09/2388, E 09/2354
United Mining Resources Pty Ltd	90419	2011	U, W, REE	E 09/2388, E 09/2354
Lithium Australia NI	117227	2018	Li, REE, Ta, W	E 09/2388
Wodgina Lithium Pty Ltd	118915	2018	Au, Li	E 09/2388
U308 Ltd	76883, 79787, 84704, 88390	2007, 2008, 2009, 2010	U, Th, V	E 09/2377
Thor Mining PLC	98245			E 09/2377
Eastern Goldfields Exploration	87495	2010	Au, Cu, Mn	E 09/2539
Golden Phoenix Australia Pty Ltd	106114, 109684, 113891	2015, 2016, 2017	Au, Ag, Fe, Cu, Pb, Zn, Ni	E 09/2539, E 09/2750, E 09/2542, E 09/2751

Geology	• *Deposit type, geological setting and style of mineralisation.*	• Reach's Critical Elements tenements lie in the Mutherbukin Zone of the Gascoyne Province and comprises granites of the Moorarie, Durlacher and Thirty Three supersuites. The Thirty Three Supersuite is the youngest unit in the Critical Elements project area and outcrops along the northern edge of the Mutherbukin Zone, along the Ti Tree Syncline.

Criteria	JORC Code explanation	Commentary
		The Thirty Three Supersuite comprises pegmatites, ranging in size from veins to 10–20-m-wide dykes and shallowly dipping sheets up to 200 m in thickness (Sheppard et al., 2010). The pegmatites are typically zoned, with massive quartz cores, and include rare elements (e.g. Bi, Be, Li, Nb–Ta), which have been the subject of small-scale mining (Sheppard et al., 2010). Segue Resources Ltd (now Arrow Minerals Ltd) identified the Thirty Three Supersuite as a fertile and highly fractionated granitic suite with potential to generate Li-Cs-Ta pegmatites. Independent studies by the GSWA support this interpretation.

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.*
		• Significant rock chip sample details, including easting and northing, are provided in Appendix A.

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 have been applied. • Reach applied a cut-off of 40 ppm Li for the reported data by Pure Minerals and Mineral Developments. Results are presented in Appendix A and figures in this release. • No metal equivalents are reported.
Relationship between mineralisation widths and	• *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,*	• N/A – do drilling has been reported in this ASX release.

Criteria	JORC Code explanation	Commentary
intercept lengths	*there should be a clear statement to this effect (eg 'down hole length, true width not known').*	
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 maps for the Yinnetharra Critical Elements projects are included in the release. • Known pegmatites, mineral occurrences, projects and mines were extracted from WAMEX.
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 to avoid misleading reporting of Exploration Results.*	• Recent and historical results that are considered relevant have been presented here in a balanced manner to avoid misleading reporting. The reported results 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.
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.*	• RSC Mining and Mineral Exploration Consultants were engaged by Reach resopurces Ltd to undedrtake a prospectivity analysis of the project areas. • PGN Geoscience Pty Ltd were engaged by Reach Resources Ltd to undertake an investigation of open-file, public domain, remote sensing datasets relevant to the Morrissey Hill and Camel Hill tenements in order to assess the lithium potential of each. Targeting utilised Multi-spectral Sentinel-2, Aster and Landsat imagery. Relevant datasets were processed and filtered to identify targets • Data which is relevant to this release is included in this report. • All relevant data available to Reach Resources has been documented in this 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.*	• Desktop studies and target identification are in progress. • Field reconnaissance and surface geochemical soil surveys are scheduled to recommence in May 2023.

APPENDICES

Appendix A: Li values from rock chip and soil sampling by Mineral Developments and Pure Minerals over Reach tenement E 09/2375. A cut-off of 40 ppm Li was applied.

Sample ID	Company	Easting	Northing	Li	Rb	Cs	Ta	Al	K	Mn	Na	Nb	P	Pb	Si
				ppm	ppm	ppm	ppm	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%
E092136_004	Mineral Developments	417392	7284600	120	737	58	19	12.87	2.97	0.099	5.684	0.01	0.093	0.002	28.0
E092136_005	Mineral Developments	417312	7284780	40	1001	65	51	9.98	3.63	0.173	1.874	0.008	0.052	0.002	32.6
E092136_007	Mineral Developments	415485	7286073	220	1232	188	26	9.98	4.80	0.02	2.66	0.006	0.093	0.005	31.8
E092136_008	Mineral Developments	415360	7286000	40	1772	187	1	9.67	10.13	0.019	2.118		0.192	0.005	30.5
E092136_009	Mineral Developments	415802	7286970	40	44	15	33	8.84	0.21	0.047	7.147		0.104	0.001	33.6
E092136_010	Mineral Developments	415545	7288001	6140	4157	2276	734	8.59	4.31	0.516	1.14	0.008	0.017	0.05	32.9
E092136_011	Mineral Developments	415545	7288001	1350	914	333	214	9.78	1.38	0.242	5.692	0.005	0.03	0.002	32.6
E092136_012	Mineral Developments	415388	7287975	670	1322	135	29676	9.58	3.85	0.513	2.114	1.081	0.018	0.006	29.1
E092136_014	Mineral Developments	414610	7287922	90	1015	54	43	8.27	5.49	0.061	2.873	0.003	0.074	0.004	33.8
E092136_015	Mineral Developments	416244	7288243	830	1936	221	71	10.75	6.65	0.252	0.217	0.004	0.038	0.003	25.3
E092136_017	Mineral Developments	416160	7287913	110	368	12	12	4.14	1.02	0.035	1.879	0.003	0.008	0.001	40.5
MHS0001	Pure Minerals	418,628	7,286,791	217	228	36.7	31.3	6.69	0.68	0.031	6.05	0.005	0.031	0.001	N/A
MHS0008	Pure Minerals	415,284	7,288,870	58.6	112	9.33	1.05	5.15	1.55	0.060	0.24	0.001	0.023	0.002	N/A
MHS0009	Pure Minerals	415,235	7,288,821	64.8	164	16.8	1.36	7.51	2.91	0.041	0.31	0.002	0.026	0.002	N/A
MHS0014	Pure Minerals	414,857	7,287,793	61.6	149	4.7	7.88	5.51	0.61	0.124	3.38	0.003	0.071	0.001	N/A

Sample ID	Company	Easting	Northing	Li	Rb	Cs	Ta	Al	K	Mn	Na	Nb	P	Pb	Si
				ppm	ppm	ppm	ppm	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%
MHS0015	Pure Minerals	414,711	7,287,745	55.2	327	11	2.99	7.16	2	0.164	4.3	0.001	0.174	0.002	N/A
MHS0019	Pure Minerals	415,653	7,287,778	114	257	34.8	14.95	8.16	0.92	0.037	6.56	0.004	0.112	0.001	N/A
MHS0020	Pure Minerals	415,546	7,288,000	760	440	154	81.8	7.26	0.75	0.082	6.43	0.005	0.022	0.001	N/A
MHS0024	Pure Minerals	417,055	7,285,736	680	830	156.5	16.95	6.4	2.47	0.108	0.32	0.004	0.126	0.001	N/A
MHS0031	Pure Minerals	416,338	7,285,961	166	630	28.2	12.75	7.11	2.65	0.029	1.38	0.009	0.01	0.000	N/A
MHS0033	Pure Minerals	415,025	7,285,663	60.7	412	43.7	>100	6.95	1.4	0.026	4.43	0.010	0.06	0.001	N/A
MHS0034	Pure Minerals	414,835	7,287,910	58.3	520	40.7	3.78	7.52	4.71	0.023	2.94	0.002	0.095	0.003	N/A
MHS0036	Pure Minerals	416,005	7,287,886	41.6	250	18.9	5.09	6.81	1.4	0.014	2.62	0.004	0.118	0.002	N/A
MHS0039	Pure Minerals	417,180	7,287,938	46.8	1	0.55	77.1	6.96	0.03	0.067	1.05	0.009	>1	0.001	N/A
MHS0040	Pure Minerals	417,178	7,287,938	60.9	6.8	1.31	31.3	7.89	0.05	0.100	0.86	0.005	0.107	0.001	N/A
MHS0041	Pure Minerals	418,096	7,288,880	57.1	311	44	2.55	5.85	4.15	0.026	1.51	0.002	0.067	0.002	N/A
MHS0042	Pure Minerals	418,149	7,289,046	56.5	304	16.75	1.88	6.94	4.33	0.046	1.45	0.002	0.091	0.004	N/A
MHS0045	Pure Minerals	414,193	7,288,345	44.6	154	26	4.26	6.12	1.05	0.065	3.63	0.002	0.088	0.001	N/A
MHS0050	Pure Minerals	416,877	7,285,274	82.4	430	183.5	2.12	8.23	4.17	0.009	1	0.000	0.17	0.007	N/A