

30 June 2022

## Up to 4.90% Li<sub>2</sub>O in Rock Chips at Turner River Lithium project

### Highlights:

- Rock Chip sampling at the Turner River Lithium project has returned grades of up to 4.90% Li<sub>2</sub>O
- The high-grade rock chip result from Turner River was taken from a priority area, identified through the Company's detailed analysis of remote satellite imagery and geophysical datasets; concentrated sampling and mapping is now planned in and around this sample site
- Turner River sits ~15km south of Wodgina, Australia's second-largest lithium mine and one of the largest hard-rock lithium deposits in the world
- Further assay results from recent sampling programs at Turner River, Western Shaw and Split Rock, are expected in coming weeks

**Executive Chairman Maurice Feilich said:** *"The high-grade rock chip result at Turner River is exceptionally pleasing and confirms our belief that our Pilbara projects are highly prospective for lithium and more intensive follow up in and around this area is our priority. Given the project is only 15km south of Wodgina, we believe we are in the right location to identify further high- grade lithium mineralisation."*

*The sampling program was the first phase of exploration across our tenements in the Pilbara lithium province, with the Company undertaking a further two site visits to Turner River and Western Shaw over recent months. The Company looks forward to reporting more assay results in coming weeks".*



**Image 1: Example of lithium-bearing Lepidolite clumps at Turner River**



QX Resources Limited (**ASX: QXR**, '**QX Resources**' or '**the Company**') is pleased to announce assay results from a reconnaissance rock chip sampling program undertaken at its Turner River Lithium project located within the Pilbara lithium province, Western Australia.

## Turner River

The sampling program followed from a detailed interpretation of remote satellite imagery and geophysical datasets, which had identified numerous priority areas across QXR's project suite at Turner River (**Image 2**), Western Shaw and Split Rock.

At Turner River, the review of the remote sensing data suggested four preferred areas for follow-up investigation and sampling programs (refer ASX Announcement 1 February 2022).

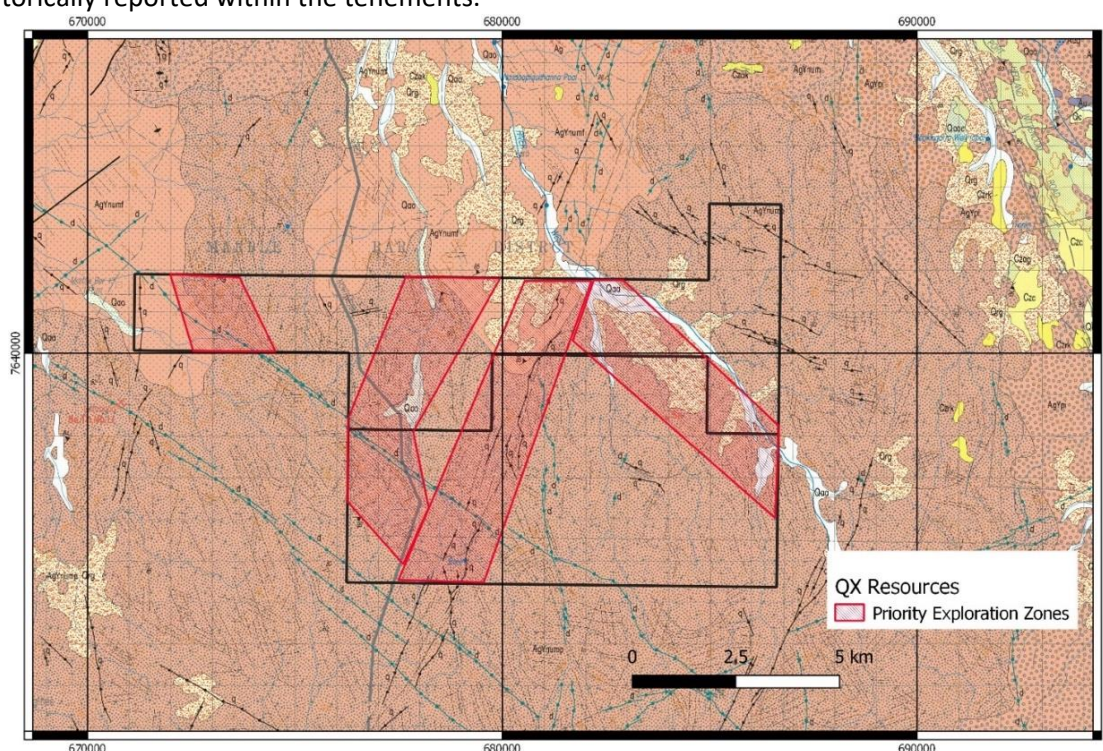
The field program aimed to investigate the spatial extent of this previously identified pegmatite dyke swarm, both laterally and along strike, and to undertake systematic sampling to test the mineralogical variability of the pegmatites and their potential to host lithium bearing minerals.

Principal responses were along the central north to north-east trending structural zone, with the central two zones running parallel to the strike of the Wodgina lithium mine (**Image 4**).

The observation of strong grade results from the rock chip sampling survey conducted at those sites, including one sample at 4.9% Li<sub>2</sub>O (**Image 3**), offers a promising indication of further lithium mineralisation at Turner River.

Recent developments at the site also validate QXR's decision to acquire the Exploration Licence for Turner River (refer ASX Announcement 30 September 2021) in September last year, capitalising on the opportunity to secure a highly prospective asset in a globally significant lithium province.

Looking ahead, additional mapping and sampling will be undertaken in the other priority areas aimed at identifying additional pegmatite dykes or dyke swarms at Turner River. Both tin and tantalum occurrences have been historically reported within the tenements.



**Image 2: Turner River Priority Areas**

## Sample Results

Small samples (<1kg each) were collected from the weathered exposures across a number of pegmatite dykes. Minanalytical Laboratories in Perth undertook geochemical analysis of the samples for a suite of elements normally associated with pegmatite dykes. Significant element results are presented in the below table:

Sample ID	East	North	Description	Li <sub>2</sub> O (PPM / %)
TR006	683222	7634938	pegmatite	108ppm
TR007	683215	7634872	pegmatite	30ppm
TR008	683216	7634826	pegmatite	41ppm
TR009	683177	7634762	pegmatite	34ppm
<b>TR010</b>	<b>683973</b>	<b>7638453</b>	<b>Mica clump</b>	<b>4.90%</b>
TR011	684044	7638688	Carbonate rock	493ppm
TR012	684005	7638651	Carbonate rock	590ppm
TR013	683991	7638537	Carbonate rock	62ppm
TR014	680540	7638719	pegmatite	60ppm
TR015	680472	7638729	pegmatite	24ppm
TR017	677529	7634766	pegmatite	69ppm
TR018	677465	7634679	pegmatite	45ppm
TR019	677463	7634613	pegmatite	297ppm
TR021	677761	7634797	pegmatite	144ppm

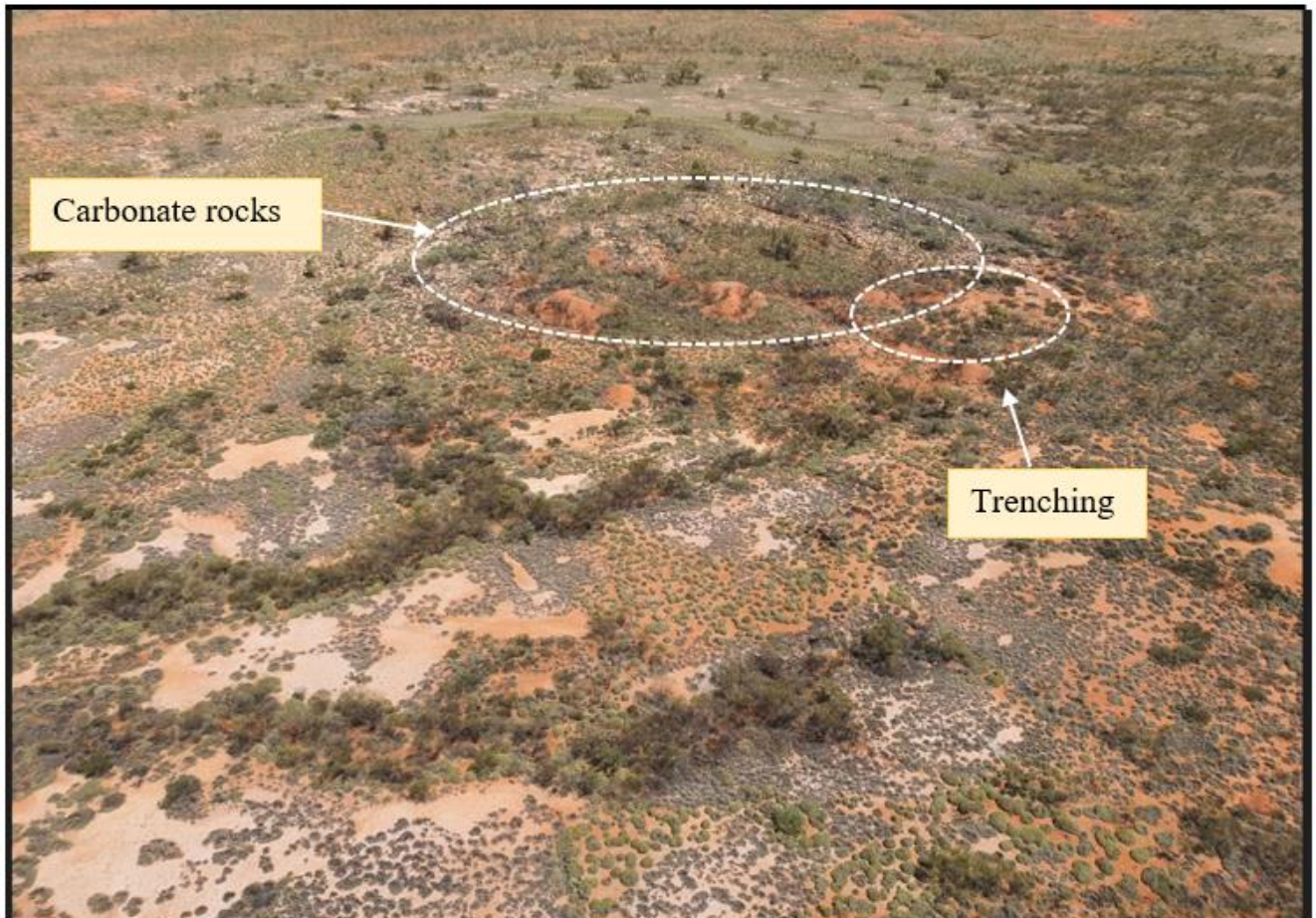
**Table 1: Rock Chip Samples taken from the Turner River Lithium project**

The most significant lithium responses reported to samples TR010, 011 and 012 which were taken from a reported tin prospect in the north-eastern part of tenement E45/6042. The site had evidence of shallow trenching and with micaceous clumps common on the waste piles. The analysis of this mica revealed its high lithium content and confirmed it to be lepidolite. The source for the mica was not observable due to the trenches having collapsed.

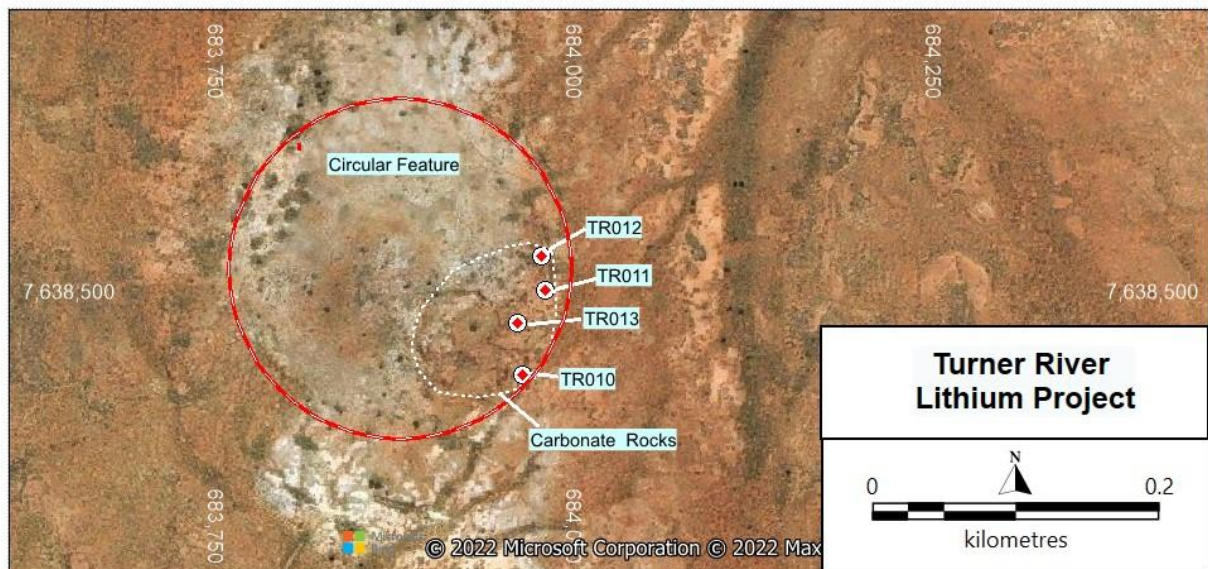
The diggings were limited to the base and on the southeast part of a low hill. Where exposed this hill comprised deeply weathered and altered carbonate rich rocks, samples of which reported elevated Li<sub>2</sub>O. These rocks likely represent a carbonate rich intrusion with respect to the largely exposed surrounding granite terrain. However due to the limited suite of elements selected for analyses the nature of the rocks remain enigmatic. Satellite imagery (**Image 4**) shows that the carbonate rock outcrop represented by the low hill may be part of a much larger geomorphic feature some 200m in diameter.

The limited sampling in this area was reconnaissance in nature aimed at assessing the prospectivity for lithium bearing rocks. The samples will be rerun through the laboratory using a much broader suite of elements, and including the REE's, Ta and other elements of potential interest.

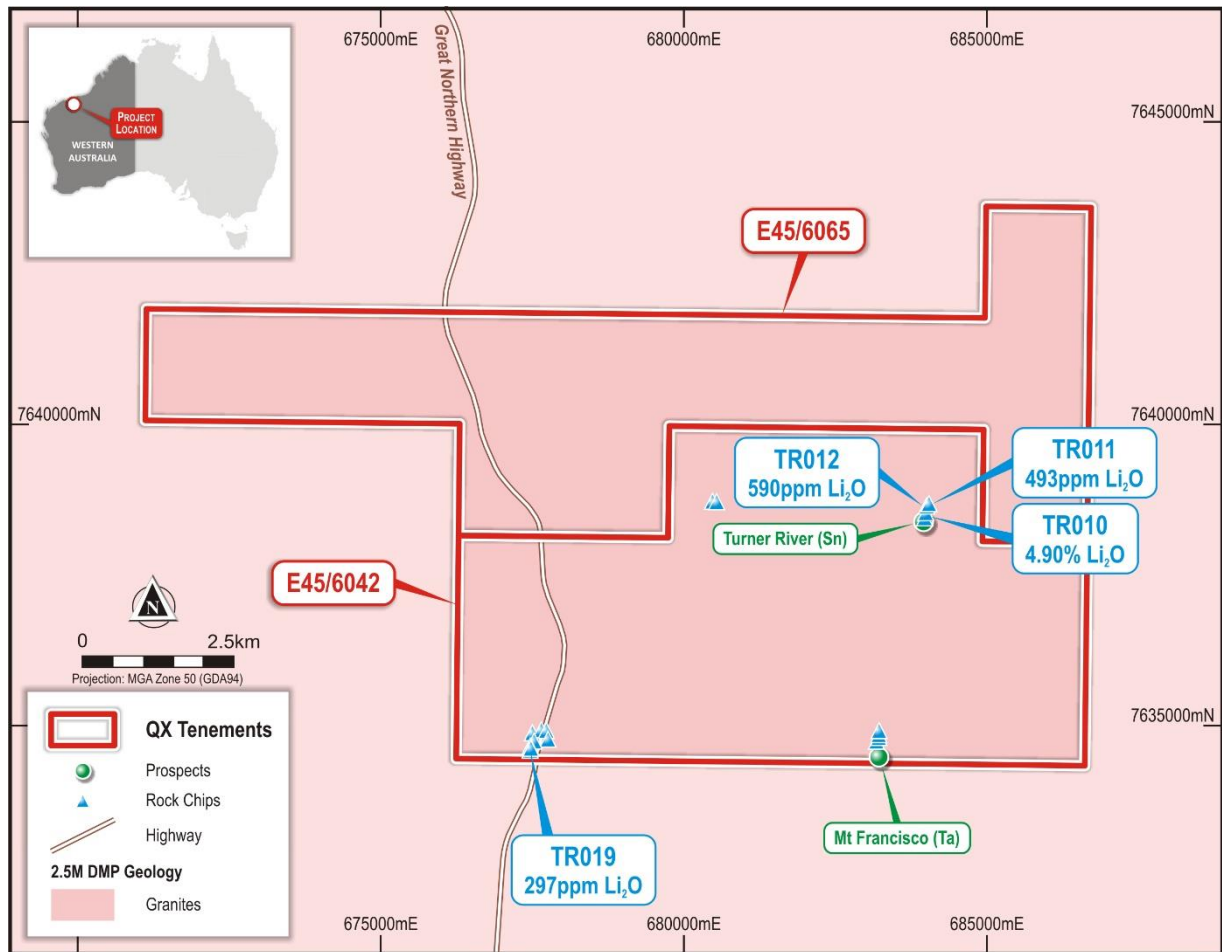




**Image 3: Aerial view of Intrusive(?) carbonate rocks expressed as low hill**

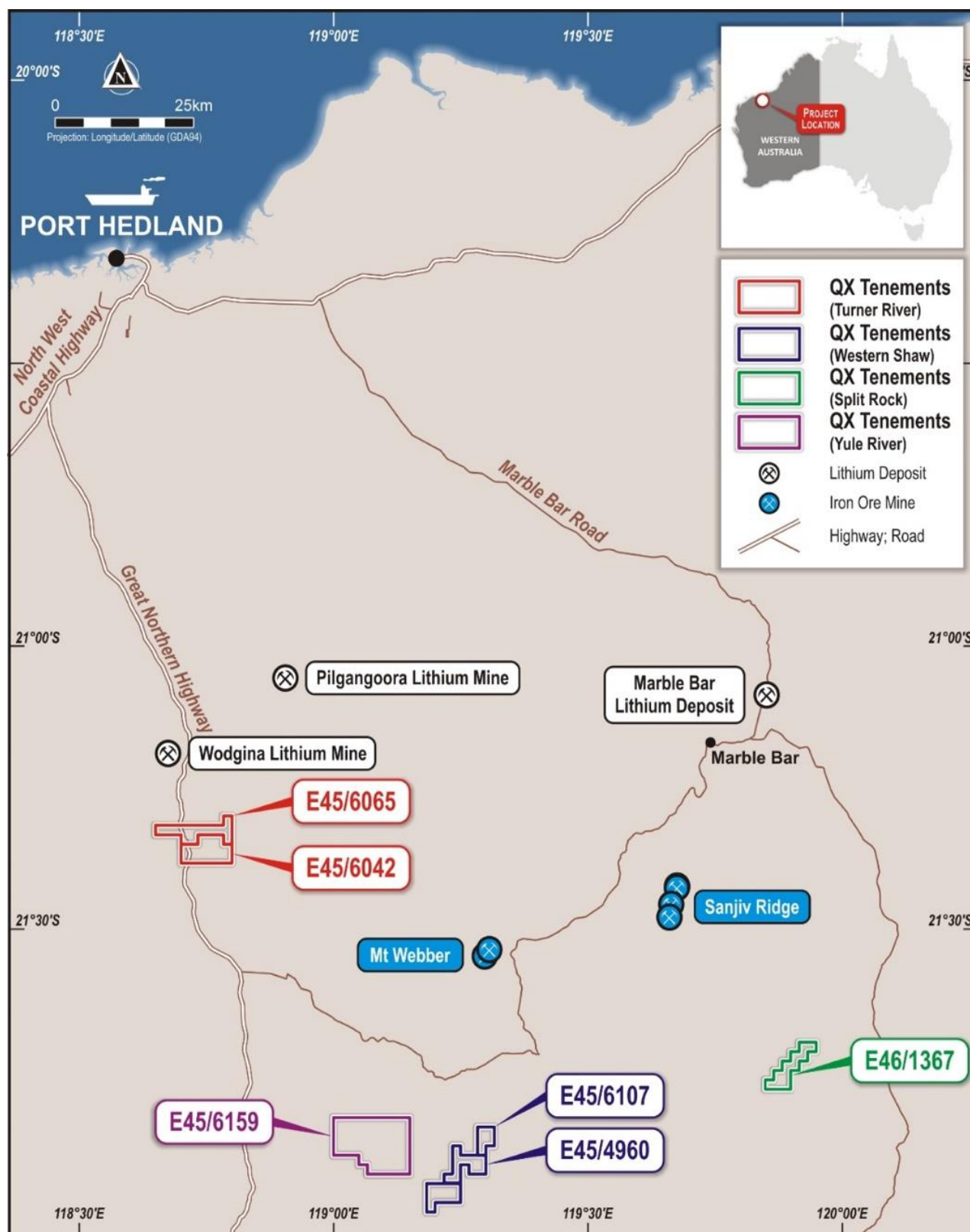


**Image 4: Circular Feature on Satellite Imagery**



**Image 5: Location of rock sample highlights including 4.90%  $\text{Li}_2\text{O}$**





Authorised by the Board of QX Resources Limited.

## **Further information:**

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## **Competent Persons Statement**

The information in this report that relates to Exploration Results and Exploration Targets is based on information compiled by Mr. Roger Jackson, a Director and Shareholder of the Company, who is a 25+ year Fellow of the Australasian Institute of Mining and Metallurgy (MAusIMM) and a Member of Australian Institute of Company Directors. Mr. Jackson has sufficient experience which is relevant to the style of mineralisation and type of deposits 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 of Exploration results, Mineral Resources and Ore Reserves". Mr. Jackson consents to the inclusion of the data contained in relevant resource reports used for this announcement as well as the matters, form and context in which the relevant data appears.

## **Forward Looking Statements and Important Notice**

This report contains forecasts, projections and forward-looking information. Although the Company believes that its expectations, estimates and forecast outcomes are based on reasonable assumptions it can give no assurance that these will be achieved. Expectations and estimates and projections and information provided by the Company are not a guarantee of future performance and involve unknown risks and uncertainties, many of which are out of QX Resources' control.

Actual results and developments will almost certainly differ materially from those expressed or implied. QX Resources has not audited or investigated the accuracy or completeness of the information, statements and opinions contained in this announcement. To the maximum extent permitted by applicable laws, QX Resources makes no representation and can give no assurance, guarantee or warranty, express or implied, as to, and takes no responsibility and assumes no liability for the authenticity, validity, accuracy, suitability or completeness of, or any errors in or omission from, any information, statement or opinion contained in this report and without prejudice, to the generality of the foregoing, the achievement or accuracy of any forecasts, projections or other forward looking information contained or referred to in this report. Investors should make and rely upon their own enquiries before deciding to acquire or deal in the Company's securities.

**Table 2: Rock Chip Assay Results – Turner River sampling 2022**

SAMPLE	Al	Ba	Be	Ca	Ce	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Na	P	Pb	Sb	Sc	Sn	Sr	Ti	Zn
	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	0.01	5	0.5	0.01	20	1	1	1	0.01	0.01	1	0.01	2	0.01	20	2	2	1	5	1	0.01	2
TR006	2.53	70	1.3	0.18	<20	10	19	54	2.68	0.18	50	1.25	467	0.64	188	9	10	4	<5	8	0.13	86
TR007	5.2	552	2.1	0.09	29	1	1	6	0.71	2.9	14	0.18	154	1.9	68	20	9	2	<5	41	0.04	8
TR008	4.02	54	2.3	0.07	43	4	6	9	1.71	0.18	19	0.39	254	2.61	81	10	9	3	<5	22	0.05	23
TR009	6.33	116	4.5	0.22	<20	<1	3	3	0.69	2.58	16	0.06	270	3.06	100	41	9	4	16	29	0.02	19
TR010	7.98	11	21.4	0.01	<20	<1	6	3	0.37	3.72	>1000	<0.01	>10000	0.2	32	11	7	<1	89	102	0.04	756
TR011	4.3	45	1.3	>25.00	<20	<1	5	3	0.17	0.18	229	0.14	236	<0.01	35	7	12	<1	<5	79	<0.01	12
TR012	4.74	57	1.3	19.51	26	<1	6	3	1.02	0.25	274	0.14	299	<0.01	53	16	11	2	6	40	0.06	15
TR013	3.19	302	1	>25.00	<20	2	11	7	1.29	0.21	29	0.32	66	<0.01	81	26	9	2	5	137	0.07	9
TR014	0.91	45	1	0.32	<20	<1	89	11	1.28	0.22	28	0.06	128	0.01	78	36	9	1	<5	6	0.03	13
TR015	3.39	310	1.7	0.35	<20	1	5	<1	0.7	2.1	11	0.07	107	0.32	59	21	10	2	<5	21	0.02	21
TR017	5.36	285	1.5	12.4	<20	<1	6	5	1.06	2.07	21	0.13	56	0.51	125	28	10	2	<5	63	0.04	9
TR018	6.52	502	1.5	0.08	<20	1	5	1	0.57	4.95	42	0.02	143	1.31	110	42	9	<1	<5	49	<0.01	5
TR019	7.71	238	6.2	0.2	<20	<1	2	<1	0.88	3.33	138	0.09	393	3.44	110	29	11	9	42	39	0.04	42
TR021	4.58	229	2.5	0.11	<20	<1	12	2	1.97	3.19	67	0.09	576	1.07	111	35	9	4	12	27	0.07	74



## Appendix A: JORC Code, 2012 Edition – Table 1

### Section 1 Sampling Techniques and Data

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

Criteria	Commentary
<b>Sampling techniques</b>	<ul style="list-style-type: none"> <li>Rock chip and grab samples were taken from outcrops and disturbed rock float (i.e. not in situ). The samples were taken to understand the mineralogy of the pegmatite dykes rather than to systematically sample each individual pegmatite dyke.</li> <li>Samples were sent to Minanalytical Laboratory in Perth for geochemical analysis</li> </ul>
<b>Drilling techniques</b>	<ul style="list-style-type: none"> <li>N/A As no drilling is being reported</li> </ul>
<b>Drill sample recovery</b>	<ul style="list-style-type: none"> <li>N/A As no drilling is being reported</li> </ul>
<b>Logging</b>	<ul style="list-style-type: none"> <li>N/A As no drilling is being reported</li> </ul>
<b>Sub-sampling techniques and sample preparation</b>	<ul style="list-style-type: none"> <li>The samples were taken as rock pieces from outcrop</li> </ul>
<b>Quality of assay data and laboratory tests</b>	<ul style="list-style-type: none"> <li>The sample undergo geochemical analysis for a selected suite of elements which is considered appropriate at the current stage of the exploration. The technique is used to provide an understanding of the potential prospectivity of the pegmatite dykes for lithium containing minerals such as spodumene and lepidolite. The technique is not being used to provide a quantitative analysis of the lithium content of the rock samples.</li> </ul>
<b>Verification of sampling and assaying</b>	<ul style="list-style-type: none"> <li>Laboratory reports will be received in excel format and in locked pdf files. Results will be cross referenced with sample data and loaded into an electronic database.</li> <li>There is no validation and cross checking of laboratory performance at this stage.</li> </ul>
<b>Location of data points</b>	<ul style="list-style-type: none"> <li>Rock chip and grab sample locations were located using a handheld GPS with an expected accuracy of +/-3m for easting and northing. No elevation data was recorded.</li> <li>The grid system used is GDA94, MGA zone 51.</li> </ul>
<b>Data spacing and distribution</b>	<ul style="list-style-type: none"> <li>Rock chip and grab samples were taken opportunistically during field reconnaissance and are not regularly spaced. These were for geological information only and would not be used in any Mineral Resource estimation. Sample compositing was applied to the rock chip and grab samples.</li> </ul>
<b>Orientation of data in relation to geological structure</b>	<ul style="list-style-type: none"> <li>N/A. As the samples are rock chip samples and do not reference to any orientation.</li> </ul>
<b>Sample security</b>	<ul style="list-style-type: none"> <li>Rock chip and grab samples were delivered by QX to the Minanalytical laboratory in Perth.</li> <li>Sample security was not considered a significant risk to the project. Only employees of QX were involved in the collection, short term storage (in a remote area), and delivery of samples.</li> </ul>

# QX Resources Limited

## **Audits or reviews**

- No Audits or reviews were taken

## Section 2 Reporting of Exploration Results

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

Criteria	Commentary
<b>Mineral tenement and land tenure status</b>	<ul style="list-style-type: none"><li>• The tenement discussed in this report is held by Redstone Metals Pty Ltd. QX has an option to acquire a 100% of E45/6042 from Redstone.</li></ul>
<b>Exploration done by other parties</b>	<ul style="list-style-type: none"><li>• Limited exploration has been undertaken across the tenement areas by previous explorers.</li></ul>
<b>Geology</b>	<ul style="list-style-type: none"><li>• The target for the exploration program is lithium bearing pegmatite dykes Hosted by granite.</li><li>• The regional geological setting of the area is Archaean aged granite.</li><li>• The pegmatite dykes are weathered and include the mineral species - feldspar, quartz and muscovite mica. The relative abundance of these minerals of these minerals is not quantifiable due to the weathered nature of the dykes.</li></ul>
<b>Drill hole Information</b>	<ul style="list-style-type: none"><li>• N/A. No drill hole information contained within the release</li></ul>
<b>Data aggregation methods</b>	<ul style="list-style-type: none"><li>• N/A. No drill hole information contained within the release</li></ul>
<b>Relationship between mineralisation widths and intercept lengths</b>	<ul style="list-style-type: none"><li>• N/A. No drill hole information contained within the release</li></ul>
<b>Diagrams</b>	<ul style="list-style-type: none"><li>• Refer body of the text</li></ul>
<b>Balanced reporting</b>	<ul style="list-style-type: none"><li>• Reporting of results in this report is considered balanced.</li></ul>
<b>Other substantive exploration data</b>	<ul style="list-style-type: none"><li>• Assessment of other substantive exploration data is not yet complete however considered immaterial at this stage.</li></ul>
<b>Further work</b>	<ul style="list-style-type: none"><li>• Follow up work programmes will be subject to interpretation of recent and historic results which is ongoing.</li></ul>