ASX Announcement
28 August 2023

Priority Pegmatite Drilling Targets Defined at Mindoolah

Highlights

- ***Over 40 outcropping pegmatites mapped over 7km along strike***
- ***Surface sample assays confirm largest pegmatite outcrop (100m x 50m) is the most prospective for lithium***
- ***Priority pegmatite drill targets identified in previously unmapped areas***
- ***Program of Works (POW) approved***
- ***Maiden drill program planned to commence post heritage survey***
- ***Follow-up drill program at Olga Rocks imminent post upcoming heritage survey***

Westar Resources Limited (ASX: **WSR**) (**Westar** or the **Company**) is pleased to announce the completion of a recent mapping and sampling field program, extending the prospective strike of the pegmatite system at the Company's Mindoolah Project (**Mindoolah** or the **Project**) in the Murchison Region of Western Australia.

The Mindoolah Project contains numerous historically mapped pegmatites that remain untested for Lithium Caesium Tantalum (LCT) mineralisation. Surface sampling and subsequent focused pXRF analysis of mica from pegmatite outcrops has highlighted a likely fractionation sequence and mineralogical zoning within the pegmatite outcrop clusters.

The outcropping pegmatite clusters extend for over 7km along strike and the recent sampling has defined what is interpreted to be the most prospective zonation within the system as priority targets for a maiden drilling program. The areas identified demonstrate highly fractionated pegmatites with individual mapped outcrop up to 50m wide and up to 100m long (Figure 1). There is strong potential for the pegmatite outcrop clusters to be connected under cover, increasing the potential host-rock volume.

Westar Executive Director Lindsay Franker commented:

"We have followed up on our initial reconnaissance work during the due diligence phase to better define drill targets within the 7km corridor of pegmatite at Mindoolah. Using quick and proven analysis methods to assess fertility of outcropping pegmatites in the field, we have defined prospectivity and scale of LCT-pegmatite zones at Mindoolah. In addition, new fractionated pegmatite areas have been discovered which have not previously been mapped by historical explorers, presenting additional targets for testing."

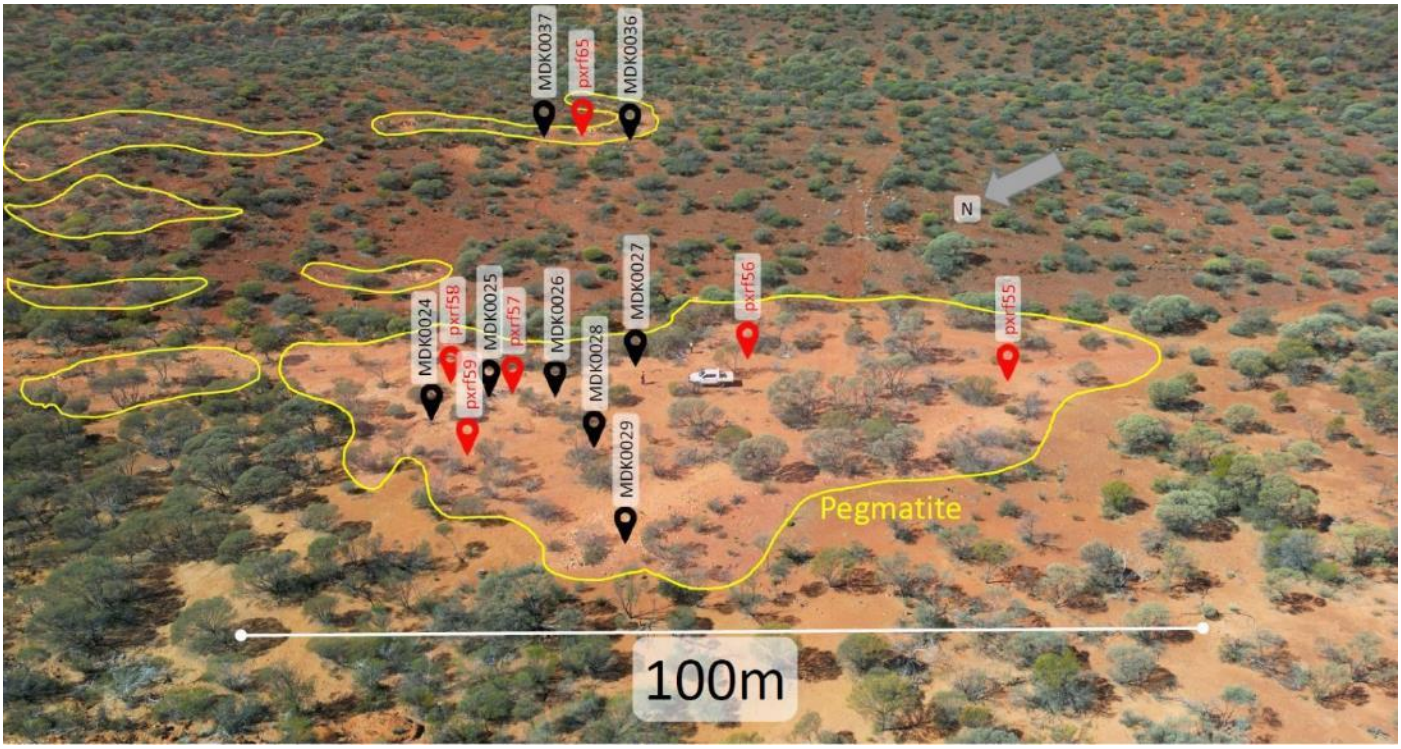


Figure 1 – Outcropping pegmatite and mica sample locations

Surface Sampling

Following the success of the reconnaissance mapping in late 2022 [1], Westar has completed a further detailed mapping and sampling program. This program was designed to investigate in detail the pegmatite outcrops identified by Westar and recorded by historical explorers, which now total 41 outcrops. To better define the scale and fertility of the pegmatites, 65 muscovite mineral samples and 31 rock chip samples were taken from outcropping pegmatites along with 46 soil samples over highly weathered pegmatite with sporadic subcrop. The mapped pegmatite outcrops are shown in Figures 1 and 2.

Mica Mineral Sampling

Traditional whole rock sampling has proven to be inconsistent for pegmatite fertility assessment because elemental ratios used to define fractionation are specific to mica and feldspar minerals found in the pegmatite, which are diluted when the whole rock sample is analysed, unless monomineralic samples are collected. To circumvent this inconsistency, Westar has selectively sampled muscovite from outcropping pegmatite and analysed each muscovite "booklet" (Figure 4) using an Olympus Vanta portable XRF unit to obtain comparable and indicative geochemistry. Analysis and interpretation used both elemental abundances and K/Rb and Nb/Ta ratios to provide a proxy to lithium fertility[2], with interpretations reviewed by independent pegmatite expert, Lily Valley International (LVI). The most prospective muscovite samples to indicating the Mindoolah pegmatites are LCT fertile are shown in Table 1. See the Appendix for all mica sample results.

[1] See WSR ASX Announcement, 16th February 2023, "Multiple Fractionated Pegmatites at Mindoolah"
[2] See https://www.olympus-ims.com/en/case-studies/xrf-for-lithium-exploration/

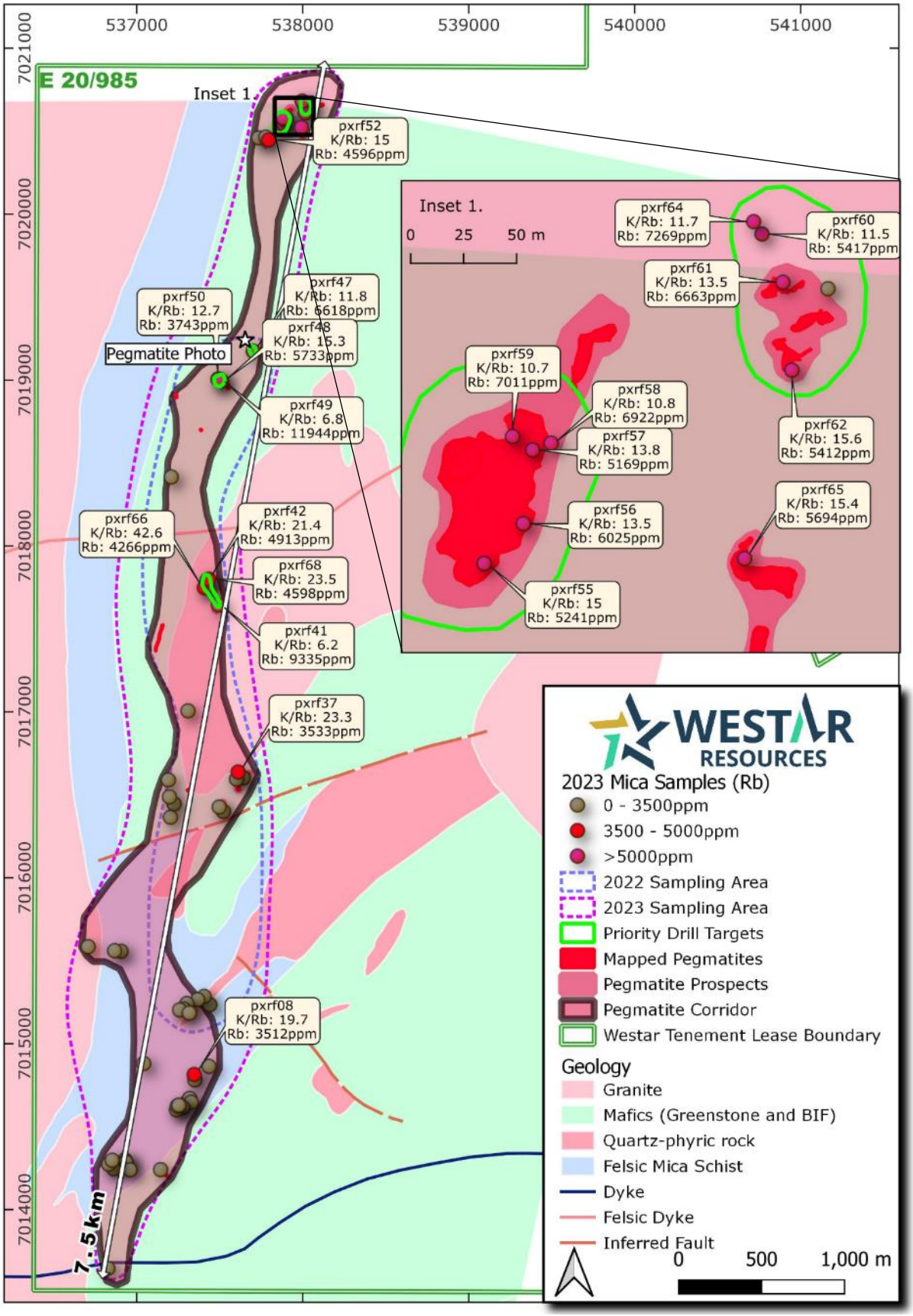


Figure 2 - K/Rb ratios of selective sampling of mica booklets taken from pegmatite outcrops over the tenement. Note general increasing fractionation trend to the north (lower K/Rb ratio) and Nb/Ta ratio shows tantalum dominant system indicative of LCT style. (Only significant K/Rb <15 ratios are labelled).

Figure 3 – Sample of Mica portion of fractionated pegmatite

A trend of increasing fractionation towards the north is revealed (Figure 2) using K/Rb ratio, Nb/Ta ratio and absolute values of Rb, Cs, Ta and Sn. This is interpreted to indicate increasing fractionation and used as a proxy for increased likelihood of a lithium bearing pegmatite, which guides the location focus and priorities for a maiden drill program.

Figure 4 – Examples of muscovite samples collected from pegmatite outcrop. Portable XRF allows for quick field evaluation of the pegmatite's LCT potential, based on the key geochemical indicators, K, Rb, Cs, Ta, Sn, Nb.

Table 1 – Mica samples with K/Rb <20 and Rb >3500ppm (all analytes are in ppm units)

SampleID	Easting*	Northing*	Rb	K	Ta	Sn	Cs	Nb	K/Rb
pxrf08	537346	7014814	3512	68808	517	123	nd	401	20
pxrf41	537492	7017644	9335	60178	514	152	261	267	6
pxrf47	537701	7019175	6618	78405	601	202	256	304	12
pxrf48	537510	7018994	5733	85786	73	44	141	nd	15
pxrf49	537496	7019005	11944	80609	629	149	275	302	7
pxrf50	537489	7019006	3743	55070	135	73	119	98	13
pxrf52	537794	7020448	4596	69643	640	148	112	357	15
pxrf55	537870	7020520	5241	78212	547	69	116	364	15
pxrf56	537888	7020539	6025	81260	553	90	255	387	13
pxrf57	537892	7020574	5169	71541	561	50	116	317	14
pxrf58	537901	7020577	6922	74295	608	195	355	327	11
pxrf59	537883	7020580	7011	75155	557	158	256	354	11
pxrf60	538001	7020676	5417	62840	578	187	206	401	12
pxrf61	538011	7020653	6663	90615	675	114	126	413	14
pxrf62	538015	7020611	5412	83819	556	86	121	321	16
pxrf64	537997	7020681	7269	84870	698	192	355	366	12
pxrf65	537992	7020522	5694	87269	607	104	129	478	15

*Co-ordinates are UTM GDA 94 MGA50K. 'nd' = not detected.

Rock Chip Sampling

The areas with mineral sample K/Rb ratios <15 (i.e highly fractionated) and Rb >0.5% (5000ppm) had a total of 31 rock chip samples taken across the different zones of the pegmatite outcrops (Figure 2). Laboratory assay results (see the Appendix for rock chip assays) broadly concur with the pXRF mica sample conclusion, that the priority drilling sites will be at the widest outcropping pegmatite at the northern end of the tenement (Figure 1 and Figure 2 Inset 1) and the pegmatite outcrop further south (Figure 2).

Soil Sampling

Due to lack of outcrop exposure at one locality, 46 soil samples were collected on a 20m x 40m grid to map the pegmatite under the thin soil cover. Wherever possible, soil samples were collected where coarse mica flakes had been dug out of burrows by goannas. Full assay details of all samples are listed in the Appendix. The anomalous Ta and Nb results plot an approximately north-south line through the middle of the soil grid, interpreted to indicate the position of the pegmatite and provides an additional target for drilling.

Next Exploration Work

POW approvals have been received and a heritage survey is currently being planned for the maiden drill program. The discovery of outcropping, fractionated pegmatite in the northern part of the tenement over a wide area with favourable pathfinder geochemistry is very encouraging for finding lithium-bearing pegmatite and becomes the focus locality for the planning and preparations of a proof-of-grade drilling program.

In places of thin soil and weathered pegmatite, spectral or high-resolution airborne photography is being considered as an exploration tool for identifying targets for ground truthing. The contrast between weathered, mica-feldspar soil compared to the proximal, quartz-rich, weathered schist and laterite suggests spectral mapping will be effective in mapping the weathered pegmatites. Figure 5 illustrates these distinct visual characteristics from airborne applications.

In the northern part of the tenement, magnetic geophysics may prove effective in mapping the geology and assist delineating pegmatite by contrasting magnetic signatures with surrounding lithologies.

CAUTIONARY STATEMENT ON PXRF RESULTS

PXRF results that are the subject of this report are preliminary only. The use of the pXRF is an indication only of the order of magnitude of final assay analysis. The samples that are the subject of this report will be submitted for laboratory assay and some variation from the results presented herein should be expected.

Figure 5 – Drone photograph at Mindoolah showing distinct lithological differences through the sparse vegetation

Mindoolah Background

The Mindoolah Project consists of approximately 100km^2 of tenure, located 70km north-west from the town of Cue in Western Australia (Figure 6), within the Murchison Mineral Field of Western Australia.

The tenement lies on the south-western end of the Weld Range and contains a sequence of felsic volcanics, several mafic units, BIF and granite, with lenses and dykes of pegmatite, aplite and quartz-feldspar porphyry. Extensive alluvial and open cut gold occurrences occur in the Mindoolah mining centre, and many historic workings are scattered throughout the tenements. Historical gold and base-metal exploration has mapped multiple pegmatite occurrences in the western project area that remain untested for LCT mineralisation potential.

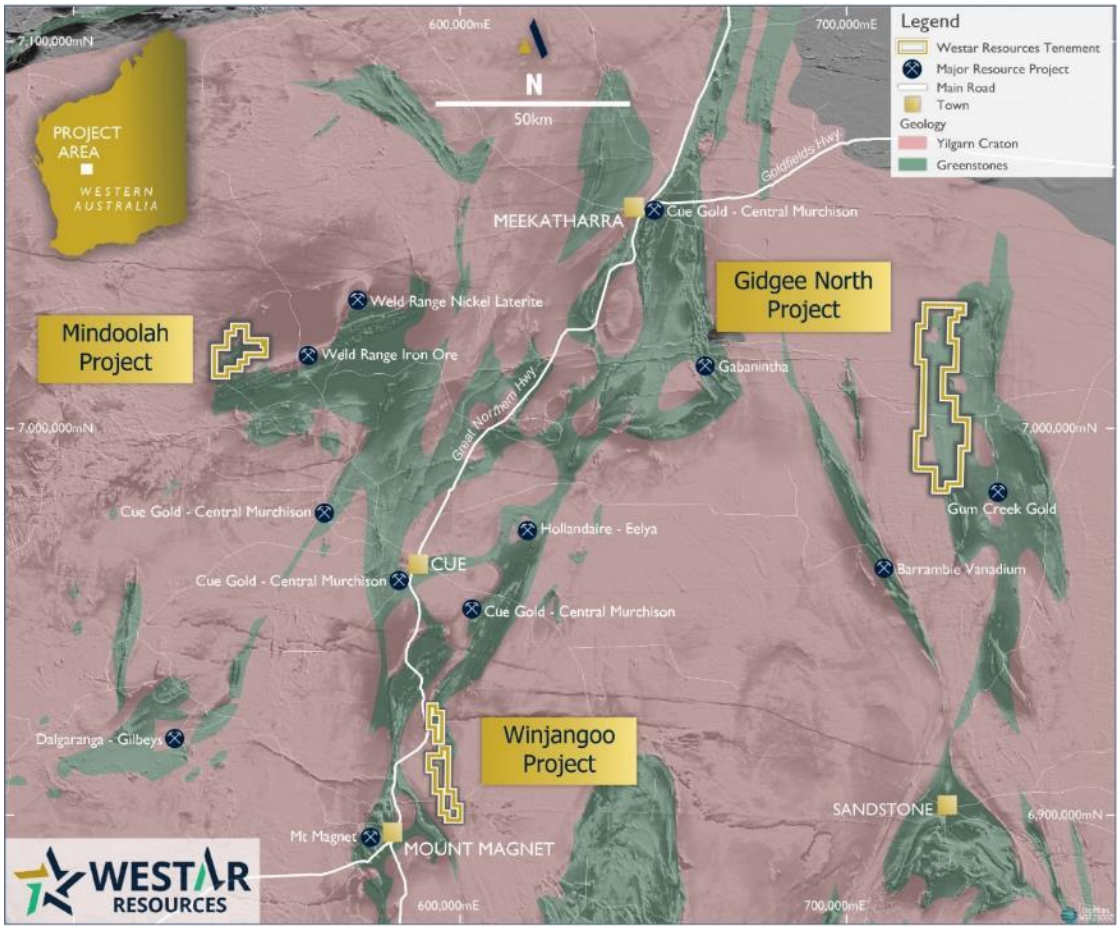


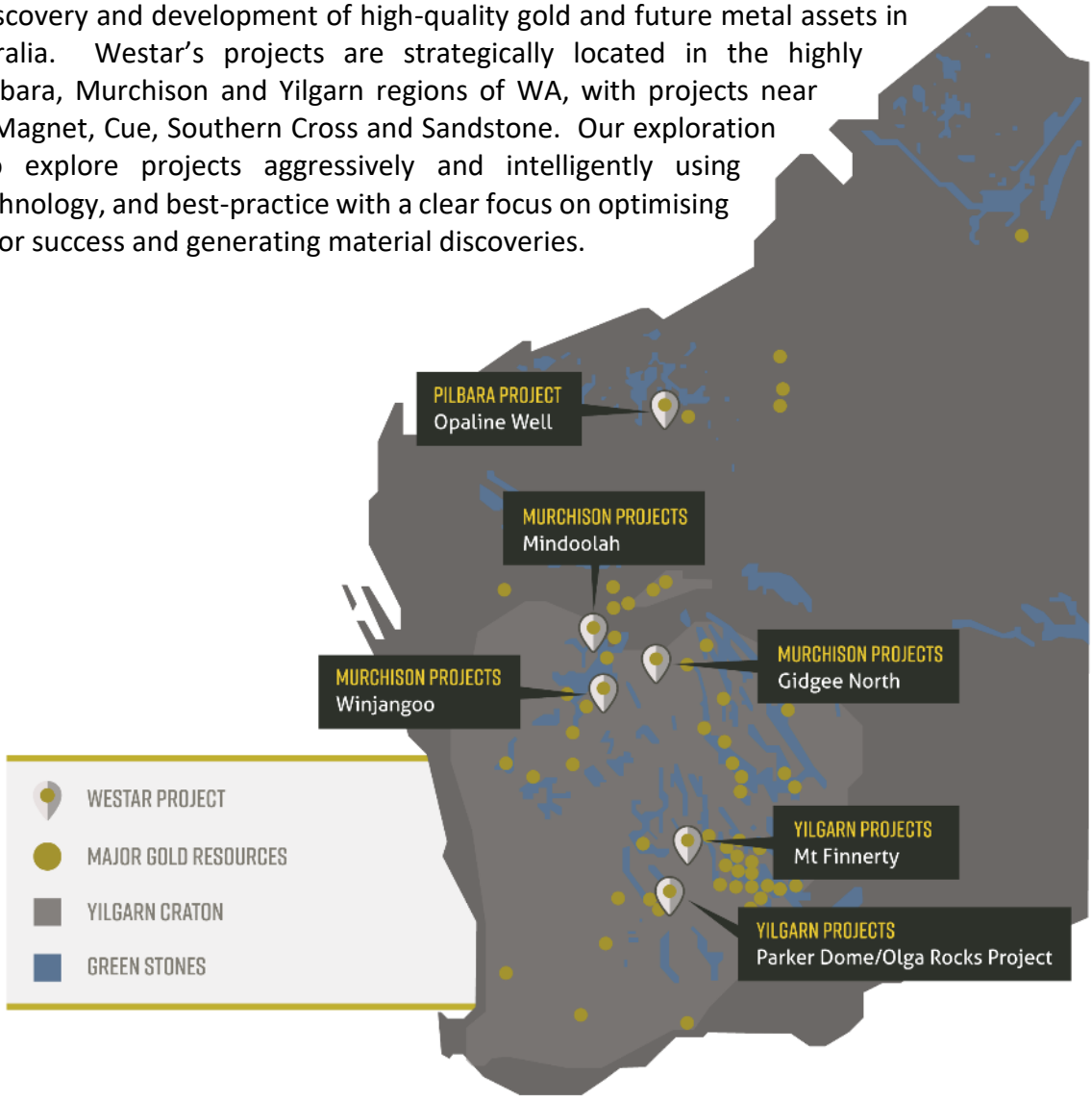
Figure 6 – Location map of Westar's Murchison Projects, Gidgee North, Mindoolah and Winjangoo

Olga Rocks Update

Following Westar's maiden drill program at its Olga Rocks project earlier in 2023, Westar is preparing and will execute a follow-up drill program which will drill the prospective Western zone targeting lithium in pegmatite. The Western zone is approximately 150m wide by 800m long, interpreted from a combination of maiden drill program logging and assay data combined with strong, contrasting features in the AMAG imagery, to potentially host more lithium bearing pegmatite. Progress to date includes drill hole design, drilling preparations, POW's lodged and awaiting approvals, completed fauna and flora site surveys, flagged proposed drilling access and we are currently organising a heritage survey.

About Westar Resources

Westar Resources is a Perth-based mineral exploration company focused on creating value for shareholders through the discovery and development of high-quality gold and future metal assets in Western Australia. Westar's projects are strategically located in the highly prospective Pilbara, Murchison and Yilgarn regions of WA, with projects near Nullagine, Mt Magnet, Cue, Southern Cross and Sandstone. Our exploration strategy is to explore projects aggressively and intelligently using innovation, technology, and best-practice with a clear focus on optimising opportunities for success and generating material discoveries.



For the purpose of Listing Rule 15.5, this announcement has been authorised by the board of Westar Resources Ltd.

ENQUIRIES

Lindsay Franker, Executive Director | lindsay@westar.net.au | Ph: 08 6556 6003

The Exploration Results have been compiled under the supervision of Mr. Jeremy Clark who is a director of Lily Valley International and a Registered Member of the Australian Institute of Mining and Metallurgy. Mr. Clark has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that he has undertaken to qualify as a Competent Person as defined in the JORC Code.

Mindoolah Project – Rock Chip Sampling
JORC Code, 2012 Edition – Table 1 report
Section 1 Sampling Techniques and Data

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

Criteria	Commentary
Sampling techniques	Rock chips samples representative of the outcropping geology were collected by experienced geologists. Samples were typically between 1 and 2kg.
Drilling techniques	Not applicable as no drilling was undertaken.
Drill sample recovery	Not applicable as no drilling was undertaken.
Logging	Geological descriptions of each rock chip sample were appropriately recorded along with a unique sample number and the coordinates for each sample site.
Sub-sampling techniques and sample preparation	No sub-sampling of the rock chip samples was undertaken.
Quality of assay data and laboratory tests	No field blanks, field standards or field duplicates were submitted for assay. The samples were assayed at Bureau Veritas laboratories in Perth. Bureau Veritas are an accredited and recognised laboratory for this type of routine analysis and conduct appropriate QAQC samples as part of their standard assaying techniques. The main sample preparation and analysis steps were as follows: PR001 Receipt, Sort & Dry Samples will be sorted and dried in clients own packaging or aluminium trays. PR103 Crush to 3mm Samples < 3 kg PR201 Split Riffle Splitter PR302 Pulverise to 95% passing 105um Samples < 2.5kg PF100 Peroxide Fusion An aliquot of sample is fused with Sodium Peroxide in either a zirconia crucible or alumina crucible. The melt is dissolved in dilute Hydrochloric acid and the solution analysed. This process provides complete dissolution of most minerals including silicates. Volatile elements are lost at the high fusion temperatures. Note: Al cannot be measured when alumina crucibles are used, and Zr cannot be measured when zirconia crucibles are used. (Nature of the sample may compromise detection limits). Detection limits in ppm. PF101 Peroxide Fusion – Elements determined by ICP-AES: Al, Ca, Fe, K, Li, Mg, Mn, P, Ti PF102 Peroxide Fusion – Elements determined by ICP-MS: Cs, Rb, Sn, Ta, W
Verification of sampling and assaying	Sampling was undertaken by a suitably qualified geologist and assaying quality was checked using internal laboratory standards reported to WSR.

Location of data points	GPS coordinates for each site were collected using a handheld GPS. Grid system – GDA94 Zone 50K
Data spacing and distribution	Rock chip samples were collected from prospective outcrops. There is no regularity to the sample pattern.
Orientation of data in relation to geological structure	Not relevant for rock chip sampling.
Sample security	Samples were stored on site and transported in a single batch by Westar Contractors to the Westar office in Perth. Samples were received by a Westar Geologist for sample photographs and to verify sample numbers and packaging before being transported by a Westar geologist to the assay laboratory.
Audits or reviews	Data interpretation is ongoing.

Mindoolah Project – Rock Chip Sampling
JORC Code, 2012 Edition – Table 1 report
Section 2 Reporting of Exploration Results

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

Criteria	Commentary
Mineral tenement and land tenure status	The Mindoolah Project comprises granted leases: E 20/985, P 20/2444 & P 20/2445 located approximately 70km northwest of Cue in Western Australia, within the Shire of Cue. Westar Resources Ltd, through its 100% owned subsidiary, Lithos Energy Pty holds an option agreement over the tenure, as previously announced to the ASX. The Yamatji Marlpa Aboriginal Corporation is the native title representative body to the native title holders over the area covering E20/985, P20/2444 & P20/2445.
Exploration done by other parties	The most significant exploration has been conducted by Placer Exploration, Battle Mountain Gold and Ridolfo Mining. The work done by Placer Exploration consisted predominantly of stream sediment sampling. Anomalous results were obtained in the vicinity of Tate's bore; but were dismissed as being of minor significance. Battle Mountain Gold conducted extensive rock chip sampling over the Mardoonganna Hills and completed a percussion drilling programme to test the anomalous results. The results were of low value and the project was relinquished. Ridolfo Mining excavated several pits in the area of the old Mindoolah mining centre. A small quantity of ore was treated at a facility located at Poona. The results are not available.
Geology	The project is located in the central portion of the Murchison Province, an area that is characterised by the main dominant feature, this being the Weld Range. This range consists of basaltic lavas, extensive intruded dolerites with extensive banded iron formations. These banded iron formations are the current focus for iron ore mining development. To the north of the Weld Range the dominate feature is the Mindoolah Granite. This granite consists of leucocratic-adamellite types and contains numerous small gold workings.
Drill hole Information	Not applicable as no drilling was undertaken.

Data aggregation methods	There has been no data aggregation.
Relationship between mineralisation widths and intercept widths	Not applicable as no drilling has been undertaken.
Diagrams	Suitable maps are included in the body of the announcement.
Balanced reporting	Key results and conclusions have been included in the body of the announcement. All rock chip assays are included in the Appendix.
Other substantive exploration data	During Q2 2023 Westar geologists conducted a mapping and sampling program over the Mindoolah project area during which 31 Rock Chip, 46 soil and 68 mica samples were taken. Results are discussed in the body of the announcement with full results included in the Appendix.
Further work	Westar intends to progress exploration activities at Mindoolah to advance both the lithium-cesium-tantalum pegmatite and gold targets. Upcoming field activities that are currently in preparation include evaluation of current rock chip, ground geophysics and mapping data to aid in drill targeting.

Mindoolah Project – Soil Sampling
JORC Code, 2012 Edition – Table 1 report
Section 1 Sampling Techniques and Data

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

Criteria	Commentary
Sampling techniques	Soil samples were collected from a depth of 10cm and sieved with the -2mm fraction being bagged in a numbered calico and the +2mm coarse material discarded. Location of sample site recorded by handheld GPS.
Drilling techniques	Not applicable as no drilling was undertaken.
Drill sample recovery	Not applicable as no drilling was undertaken.
Logging	Regolith descriptions and lithology descriptions, where suitable, for each soil sample location, were appropriately recorded along with a unique sample number and the coordinates for each sample site.
Sub-sampling techniques and sample preparation	No sub-sampling of the soil samples was undertaken.
Quality of assay data and laboratory tests	No field blanks, field standards or field duplicates were submitted for assay. The samples were assayed at Bureau Veritas laboratories in Perth. Bureau Veritas is an accredited and recognised laboratory for this type of routine analysis and conduct appropriate QAQC samples as part of their standard assaying techniques.

	The main sample preparation and analysis steps were as follows: PR001 Receipt, Sort & Dry Samples will be sorted and dried in clients own packaging or aluminium trays. PR103 Crush to 3mm Samples < 3 kg PR201 Split Riffle Splitter PR302 Pulverise to 95% passing 105um Samples < 2.5kg PF100 Peroxide Fusion An aliquot of sample is fused with Sodium Peroxide in either a zirconia crucible or alumina crucible. The melt is dissolved in dilute Hydrochloric acid and the solution analysed. This process provides complete dissolution of most minerals including silicates. Volatile elements are lost at the high fusion temperatures. Note: Al cannot be measured when alumina crucibles are used, and Zr cannot be measured when zirconia crucibles are used. (Nature of the sample may compromise detection limits). Detection limits in ppm. PF101 Peroxide Fusion – Elements determined by ICP-AES: Al, Ca, Fe, K, Li, Mg, Mn, P, Ti PF102 Peroxide Fusion – Elements determined by ICP-MS: Cs, Rb, Sn, Ta, W
Verification of sampling and assaying	Sampling was undertaken by a suitably qualified geologist and assaying quality was checked using internal laboratory standards reported to WSR.
Location of data points	GPS coordinates for each site were collected using a handheld GPS. Grid system – GDA94 Zone 50K
Data spacing and distribution	Soil samples were collected at 20m intervals on 40m spaced, east-west orientated survey lines.
Orientation of data in relation to geological structure	Sample grid designed to be perpendicular to underlying stratigraphy.
Sample security	Samples were stored on site and transported in a single batch by Westar Contractors to the Westar office in Perth. Samples were received by a Westar Geologist to verify sample numbers and packaging before being transported by Westar Geologist to the assay laboratory.
Audits or reviews	Data interpretation is ongoing.

Mindoolah Project – Soil Sampling
JORC Code, 2012 Edition – Table 1 report
Section 2 Reporting of Exploration Results

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

Criteria	Commentary
Mineral tenement and land tenure status	The Mindoolah Project comprises granted leases: E 20/985, P 20/2444 & P 20/2445 located approximately 70km northwest of Cue in Western Australia, within the Shire of Cue. Westar Resources Ltd, through its 100% owned subsidiary, Lithos Energy Pty holds an option agreement over the tenure, as previously announced to the ASX. The Yamatji Marlpa Aboriginal Corporation is the native title representative body to the native title holders over the area covering E20/985, P20/2444 & P20/2445.
Exploration done by other parties	The most significant exploration has been conducted by Placer Exploration, Battle Mountain Gold and Ridolfo Mining. The work done by Placer Exploration consisted predominantly of stream sediment sampling. Anomalous results were obtained in the vicinity of Tate's bore; but were dismissed as being of minor significance. Battle Mountain Gold conducted extensive rock chip sampling over the Mardoonganna Hills and completed a percussion drilling programme to test the anomalous results. The results were of low value and the project was relinquished. Ridolfo Mining excavated several pits in the area of the old Mindoolah mining centre. A small quantity of ore was treated at a facility located at Poona. The results are not available.
Geology	The project is located in the central portion of the Murchison Province, an area that is characterised by the main dominant feature, this being the Weld Range. This range consists of basaltic lavas, extensive intruded dolerites with extensive banded iron formations. These banded iron formations are the current focus for iron ore mining development. To the north of the Weld Range the dominate feature is the Mindoolah Granite. This granite consists of leucocratic-adamellite types and contains numerous small gold workings.
Drill hole Information	Not applicable as no drilling was undertaken.
Data aggregation methods	There has been no data aggregation.
Relationship between mineralisation widths and intercept widths	Not applicable as no drilling has been undertaken.
Diagrams	Suitable maps are included in the body of the announcement.
Balanced reporting	Key results and conclusions have been included in the body of the announcement. All soil sample assays are included in the Appendix.
Other substantive exploration data	During Q2 2023 Westar geologists conducted a mapping and sampling program over the Mindoolah project area during which 31 Rock Chip, 46 soil and 68 mica samples were taken. Results are discussed in the body of the announcement with full results included in the Appendix.

Further work	Westar intends to progress exploration activities at Mindoolah to advance both the lithium-cesium-tantalum pegmatite and gold targets. Upcoming field activities are currently in preparation include evaluation of current rock chip, ground geophysics and mapping data to aid in drill targeting.

Mindoolah Project – Mica Sampling
JORC Code, 2012 Edition – Table 1 report
Section 1 Sampling Techniques and Data

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

Criteria	Commentary
Sampling techniques	Flakes of mica samples representative of the outcropping pegmatite were collected by experienced geologists. Samples were typically between 10 and 50g.
Drilling techniques	Not applicable as no drilling was undertaken.
Drill sample recovery	Not applicable as no drilling was undertaken.
Logging	Geological descriptions of sample were appropriately recorded along with a unique sample number and the coordinates for each sample site.
Sub-sampling techniques and sample preparation	No sub-sampling was undertaken.
Quality of assay data and laboratory tests	Field standards and blanks were utilized every day prior to taking the reading of the mica flakes with the Vanta portable XRF unit. Duplicates of the mica sample were taken for 95% of the mica samples collected. A second reading was taken using the Vanta pXRF. Sample preparation involved isolating the mica from the rock and analysing with an Olympus Vanta pXRF unit. A large element suite is reported by the pXRF unit but only K, Rb, Ta, Nb, Cs, Sn were used in the pegmatite interpretation. The pXRF unit does not measure Li.
Verification of sampling and assaying	Sampling was undertaken by a suitably qualified geologist. Readings with an error/failure report from the Olympus pXRF Vanta were discarded. pXRF Element Concentration (ppm) data was checked against the Element Error (ppm. The mean error for each element: K +/- 0.54% Rb +/- 0.52% Ta +/- 3.84% Nb +/- 1.52% Cs +/- 20.2% Sn +/- 14.80%
Location of data points	GPS coordinates for each site were collected using a handheld GPS. Grid system – GDA94 Zone 50K

Data spacing and distribution	Mica samples were collected from prospective outcrops. There is no regularity to the sample pattern.
Orientation of data in relation to geological structure	Not relevant for mica sampling.
Sample security	Samples were stored on site and transported in a single batch by Westar Contractors to the Westar office in Perth. Samples were received by a Westar Geologist for sample photographs and to verify sample numbers and packaging before being transported by a Westar geologist to the assay laboratory.
Audits or reviews	Samples to be submitted to Bureau Veritas laboratory for XRF analysis. A comparison of laboratory XRF vs portable XRF data will be made once laboratory results are available.

Mindoolah Project – Mica Sampling
JORC Code, 2012 Edition – Table 1 report
Section 2 Reporting of Exploration Results

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Drill hole Information	Not applicable as no drilling was undertaken.
Data aggregation methods	There has been no data aggregation.

Relationship between mineralisation widths and intercept widths	Not applicable as no drilling has been undertaken.
Diagrams	Suitable maps are included in the body of the announcement.
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Further work	Westar intends to progress exploration activities at Mindoolah to advance both the lithium-cesium-tantalum pegmatite and gold targets. Upcoming field activities that are currently in preparation include evaluation of current rock chip, soil, ground geophysics and mapping data to aid in drill targeting.

Appendix – Mica Samples, pXRF analysis results

Sample ID	Analysis Count	Easting*	Northing*	Rb Avg	K Avg	Ta Avg	Sn Avg	Cs Avg	Nb Avg	K/Rb Avg	K/Rb Min	K/RbMax
pxrf01	1	537440	7015235	175	8492	105	-1	-1	35	49	49	49
pxrf02	1	537406	7015285	2725	61628	427	105	-1	263	23	23	23
pxrf03	2	537367	7015266	3095	72434	501	67	94	285	24	22	25
pxrf04	2	537302	7015242	1546	45036	323	67	86	256	32	26	37
pxrf05	2	537283	7015209	1361	44880	285	53	-1	234	34	32	36
pxrf06	2	537258	7015204	331	13708	117	39	-1	85	42	39	46
pxrf07	2	537316	7015185	2631	68304	562	124	122	393	26	26	26
pxrf08	2	537346	7014814	3512	68808	517	123	-1	401	20	16	24
pxrf09	2	537435	7014863	849	11535	182	46	-1	149	19	10	29
pxrf11	3	537350	7014782	2755	70432	470	84	112	344	26	18	31
pxrf12	2	537319	7014671	996	28012	229	27	-1	109	28	28	28
pxrf13	2	537328	7014647	3489	75663	525	100	84	330	22	20	23
pxrf14	2	537277	7014615	1167	40755	247	83	-1	176	47	33	61
pxrf15	2	537239	7014601	516	20365	177	44	-1	98	35	26	45
pxrf16	2	537244	7014624	583	19260	196	51	-1	103	32	28	36
pxrf17	3	537253	7014629	2510	67280	446	70	-1	334	27	22	32
pxrf18	2	537042	7014881	1781	78862	532	97	-1	429	44	42	46
pxrf19	2	536905	7015557	777	74295	61	32	-1	-1	96	92	99
pxrf20	2	536866	7015560	389	17067	159	65	-1	107	44	43	45
pxrf21	2	536707	7015585	855	71187	121	55	-1	31	84	74	94
pxrf23	3	536929	7014300	2681	83171	604	66	-1	384	31	28	33
pxrf24	3	536932	7014289	1753	90261	457	95	-1	427	52	51	52
pxrf25	2	536935	7014285	1342	56799	320	71	-1	280	45	39	51

Sample ID	Analysis Count	Easting*	Northing*	Rb Avg	K Avg	Ta Avg	Sn Avg	Cs Avg	Nb Avg	K/Rb Avg	K/Rb Min	K/RbMax
pxrf26	2	536959	7014240	299	11957	125	59	-1	68	46	27	65
pxrf27	2	537144	7014241	530	10683	128	48	-1	80	20	19	21
pxrf28	2	536861	7014246	1574	54639	341	106	-1	399	36	33	39
pxrf29	2	536830	7014273	1972	73095	468	83	-1	492	37	32	42
pxrf30	2	536852	7014298	1591	70505	377	47	-1	313	45	43	47
pxrf31	3	537225	7016446	1358	73594	152	49	-1	202	54	32	71
pxrf32	2	537203	7016365	681	15182	158	-1	-1	68	21	19	24
pxrf33	2	537522	7016400	3335	71125	494	147	-1	398	21	21	21
pxrf34	2	537497	7016426	1642	99017	73	33	-1	-1	61	54	68
pxrf35	2	537641	7016601	701	68067	83	-1	-1	-1	97	92	103
pxrf36	2	537601	7016595	1623	102227	71	-1	-1	-1	70	46	94
pxrf37	2	537610	7016638	3533	82422	529	143	-1	427	23	23	24
pxrf38	2	537190	7016590	7	296	89	24	-1	-1	46	41	51
pxrf39	2	537197	7016488	284	6563	109	33	-1	24	31	18	44
pxrf40	1	537309	7017006	2638	72440	189	37	165	-1	28	28	28
pxrf41	2	537492	7017644	9335	60178	514	152	261	267	6	5	8
pxrf42	2	537424	7017795	4913	105199	697	95	79	382	21	20	23
pxrf45	2	536826	7013645	987	82790	72	33	-1	-1	87	70	104
pxrf47	3	537701	7019175	6618	78405	601	202	256	304	12	12	12
pxrf48	2	537510	7018994	5733	85786	73	44	141	-1	15	11	20
pxrf49	3	537496	7019005	11944	80609	629	149	275	302	7	6	7
pxrf50	2	537489	7019006	3743	55070	135	73	119	98	13	6	19
pxrf51	2	537208	7018416	783	65057	81	46	-1	-1	102	76	129
pxrf52	2	537794	7020448	4596	69643	640	148	112	357	15	14	17
pxrf53	2	537734	7020460	2125	114184	78	-1	-1	50	54	54	54
pxrf54	2	537777	7020464	3276	108159	79	40	-1	-1	33	31	36
pxrf55	2	537870	7020520	5241	78212	547	69	116	364	15	14	16
pxrf56	2	537888	7020539	6025	81260	553	90	255	387	14	13	14
pxrf57	2	537892	7020574	5169	71541	561	50	116	317	14	14	14
pxrf58	2	537901	7020577	6922	74295	608	195	355	327	11	10	12
pxrf59	2	537883	7020580	7011	75155	557	158	256	354	11	10	11
pxrf60	2	538001	7020676	5417	62840	578	187	206	401	12	9	15
pxrf61	2	538011	7020653	6663	90615	675	114	126	413	14	12	15
pxrf62	2	538015	7020611	5412	83819	556	86	121	321	16	15	16
pxrf63	2	538032	7020650	2564	45083	356	59	126	239	18	16	20
pxrf64	2	537997	7020681	7269	84870	698	192	355	366	12	11	12
pxrf65	2	537992	7020522	5694	87269	607	104	129	478	15	14	16
pxrf66	2	537407	7017749	4266	181541	1142	50	-1	326	43	41	44
pxrf67	2	537419	7017760	3366	82122	860	115	76	261	25	23	26

Sample ID	Analysis Count	Easting*	Northing*	Rb Avg	K Avg	Ta Avg	Sn Avg	Cs Avg	Nb Avg	K/Rb Avg	K/Rb Min	K/RbMax
pxrf68	2	537433	7017800	4598	106731	678	62	-1	335	24	21	26

*Co-ordinates are UTM GDA94 MGA 50K.
'-1' represents 'not detected'

Appendix – Soil samples, main analyte assays

Sample ID	Easting*	Northing*	Al (%)	Fe (%)	K (%)	Li (ppm)	Mg (%)	Mn (ppm)	Cs (ppm)	Rb (ppm)	Sn (ppm)	Ta (ppm)	W (ppm)	Nb (ppm)
Detection limit			0.01	0.01	0.1	1	0.01	10	1	0.5	10	0.5	5	5
MDS0087	537359	7017798	8.21	4.15	1	39	0.25	600	5	87	<10	1.5	10	10
MDS0088	537379	7017798	7.86	4.43	1	44	0.22	600	4	87	<10	2.5	5	15
MDS0089	537398	7017799	7.73	3.87	1.1	36	0.2	610	4	92	<10	1.5	<5	15
MDS0090	537416	7017798	9.15	3.65	0.9	50	1.56	250	5	101	<10	3	<5	5
MDS0091	537438	7017799	6.6	3.85	1.2	38	0.32	340	6	140	<10	6	<5	15
MDS0092	537457	7017798	8.53	3.79	1	46	0.32	410	7	116	<10	5	<5	15
MDS0093	537479	7017798	9.96	4.79	1.1	57	0.41	470	11	156	<10	7.5	<5	20
MDS0094	537498	7017799	8.57	4.67	1.1	42	0.41	500	7	113	<10	3.5	<5	15
MDS0095	537519	7017799	7.38	4.55	1.1	34	0.23	510	4	82	<10	2.5	5	10
MDS0096	537359	7017757	6.63	4.05	1.3	23	0.16	650	4	101	<10	2.5	<5	20
MDS0097	537398	7017759	6.1	4.06	1.2	23	0.13	700	3	92	<10	2	<5	20
MDS0098	537379	7017759	6.28	3.89	1.3	31	0.15	620	4	97	<10	2.5	<5	15
MDS0099	537419	7017759	8.67	4.44	1.3	64	1.69	330	12	178	40	2	<5	25
MDS0100	537438	7017759	6.25	3.79	1.3	37	0.16	480	4	108	<10	7.5	<5	20
MDS0101	537461	7017761	6.62	4.02	1.3	33	0.21	550	5	110	<10	4	<5	15
MDS0102	537478	7017758	9.14	4.75	1.1	44	0.33	660	7	128	<10	2.5	<5	15
MDS0103	537498	7017758	8.17	4.69	1.1	40	0.37	510	6	113	<10	4	<5	10
MDS0104	537519	7017760	8.6	4.77	1.1	43	0.5	550	7	109	<10	1.5	<5	10
MDS0105	537360	7017718	6.8	4.1	1.3	30	0.23	690	7	115	<10	4	<5	15
MDS0106	537378	7017717	9.8	5.65	1	47	0.48	780	9	119	<10	3	<5	10
MDS0107	537400	7017719	7.35	4.37	1.1	34	0.21	660	6	109	20	2.5	15	15
MDS0108	537419	7017719	6.38	3.94	1.1	28	0.2	630	4	93.5	<10	2.5	<5	25
MDS0109	537440	7017719	5.81	3.73	1.3	34	0.17	580	6	113	<10	2	<5	15
MDS0110	537459	7017718	6.3	4.01	1.2	30	0.15	680	4	104	<10	8.5	<5	30
MDS0111	537478	7017718	8.23	4.91	1.1	43	0.71	640	7	124	<10	4.5	<5	10
MDS0112	537498	7017718	6.5	3.65	1.1	31	0.3	530	7	103	<10	2.5	<5	15
MDS0113	537520	7017719	9.04	5.21	1.1	40	0.44	620	6	102	30	2.5	<5	20
MDS0114	537538	7017718	6.05	4.52	0.9	23	0.18	370	3	74.5	<10	1.5	<5	10
MDS0115	537379	7017680	6.96	4.53	1.3	28	0.24	640	6	121	<10	6	<5	15
MDS0116	537399	7017678	6.05	3.9	1.2	24	0.12	520	4	102	<10	3.5	<5	15
MDS0117	537420	7017678	6.26	3.99	1.3	26	0.12	690	4	91.5	<10	4	<5	15
MDS0118	537439	7017678	6.66	4.23	1.3	35	0.17	760	4	103	30	3.5	<5	30
MDS0119	537460	7017678	6.35	4.17	1.2	41	0.15	720	5	100	<10	7.5	<5	15
MDS0120	537478	7017678	6.37	4.22	1.2	26	0.27	770	4	100	<10	2	5	25

Sample ID	Easting*	Northing*	Al (%)	Fe (%)	K (%)	Li (ppm)	Mg (%)	Mn (ppm)	Cs (ppm)	Rb (ppm)	Sn (ppm)	Ta (ppm)	W (ppm)	Nb (ppm)
Detection limit			0.01	0.01	0.1	1	0.01	10	1	0.5	10	0.5	5	5
MDS0121	537498	7017677	7.23	4.32	1.2	33	0.36	650	6	115	<10	2	<5	15
MDS0122	537518	7017680	6.25	3.99	1.2	25	0.24	490	4	84	<10	2.5	<5	15
MDS0123	537539	7017678	6.25	5.54	0.8	20	0.17	360	3	73	<10	2	<5	10
MDS0124	537359	7017640	6.93	4.05	1.3	26	0.2	690	5	118	<10	6	<5	15
MDS0125	537381	7017637	6.78	4.79	1.2	24	0.2	730	4	108	<10	5	<5	15
MDS0126	537397	7017638	6.47	4.16	1.2	26	0.15	550	4	97	20	4	<5	25
MDS0127	537419	7017638	6.94	4.32	1.1	29	0.16	670	5	103	<10	7.5	<5	20
MDS0128	537438	7017639	6.86	4.54	1.2	26	0.25	780	4	98	30	7.5	<5	25
MDS0129	537459	7017639	7.14	4.39	1.2	32	0.14	730	5	108	<10	3	<5	10
MDS0130	537481	7017638	6.97	4.35	1.2	24	0.17	740	4	104	<10	2	<5	25
MDS0131	537492	7017641	6.43	5.04	0.9	21	0.19	410	3	84	<10	2.5	<5	10
MDS0132	537519	7017639	6.7	4.31	1	25	0.19	400	3	79	<10	2	<5	10

*Co-ordinates are UTM GDA94 MGA 50K

Appendix – Rock chip samples, main analyte assays

Sample ID	Easting*	Northing*	Al (%)	Fe (%)	K (%)	Li (ppm)	Mg (%)	Mn (ppm)	Cs (ppm)	Rb (ppm)	Sn (ppm)	Ta (ppm)	W (ppm)	Nb (ppm)
Detection limit			0.01	0.01	0.1	1	0.01	10	1	0.5	10	0.5	5	5
MDK0017	537696	7019162	10.9	0.28	0.2	11	0.04	70	3	33	<10	97	<5	50
MDK0018	537492	7019005	7.74	0.36	4.1	6	0.01	200	72	1440	60	51	10	60
MDK0019	537494	7019005	6.83	7.93	0.1	25	2.84	2890	2	16.5	<10	2	<5	5
MDK0020	537500	7019007	7.9	0.39	0.5	11	0.04	70	5	222	<10	16	<5	15
MDK0021	537504	7019007	7.99	0.29	0.1	7	0.01	600	2	10.5	<10	62.5	<5	175
MDK0022	537514	7018992	7.97	0.28	4.5	7	<0.01	290	26	1570	<10	93	<5	75
MDK0023	537526	7018987	0.1	0.53	<0.1	5	0.01	50	4	3	<10	1	<5	<5
MDK0024	537884	7020585	7.98	0.53	5.2	31	0.04	160	28	1780	30	12.5	5	55
MDK0025	537897	7020581	7.86	0.61	3.2	44	0.06	740	18	1090	10	10.5	5	70
MDK0026	537895	7020569	7.99	0.81	3.2	53	0.06	680	23	1290	20	12	<5	115
MDK0027	537891	7020551	8.21	0.33	3.1	6	0.01	290	10	595	<10	30.5	<5	50
MDK0028	537874	7020566	4.11	0.8	1.8	10	0.02	120	5	359	<10	30	<5	90
MDK0029	537860	7020571	8.52	0.26	7.5	5	0.01	30	27	1890	<10	6.5	<5	25
MDK0030	537925	7020629	7.4	8.2	0.6	37	2.65	1170	6	103	<10	0.5	<5	<5
MDK0031	538020	7020651	6.08	0.52	2.9	11	0.02	880	12	777	<10	17	<5	60
MDK0032	538020	7020647	7.03	0.53	4.4	14	0.05	480	13	1140	<10	10	<5	50
MDK0033	538017	7020653	6.85	0.54	4.8	12	0.02	1130	16	1230	<10	9.5	<5	45
MDK0034	538018	7020648	7.92	0.46	8.5	11	0.01	550	19	1710	<10	6	<5	20
MDK0035	538032	7020647	8.17	0.41	5.9	8	0.02	430	13	1400	<10	14	<5	40
MDK0036	537997	7020516	7.64	0.59	3.6	30	0.03	510	22	1190	10	27.5	<5	70
MDK0037	537991	7020527	7.93	0.38	4.2	12	0.01	770	15	1060	<10	14	<5	30
MDK0038	537455	7017665	0.17	0.51	0.1	12	0.01	60	1	16	<10	0.5	<5	<5
MDK0039	537440	7017648	0.2	0.61	0.1	20	0.01	80	1	11.5	<10	0.5	<5	<5
MDK0040	537424	7017612	0.17	0.62	0.1	16	0.01	60	<1	8.5	<10	<0.5	<5	<5

Sample ID	Easting*	Northing*	Al (%)	Fe (%)	K (%)	Li (ppm)	Mg (%)	Mn (ppm)	Cs (ppm)	Rb (ppm)	Sn (ppm)	Ta (ppm)	W (ppm)	Nb (ppm)
Detection limit			0.01	0.01	0.1	1	0.01	10	1	0.5	10	0.5	5	5
MDK0041	537443	7017575	0.12	0.63	0.1	13	0.01	70	2	8.5	<10	0.5	<5	<5
MDK0042	537449	7017571	0.19	0.46	0.1	9	0.01	50	1	8	<10	2	<5	<5
MDK0043	537443	7017522	0.15	0.67	0.1	17	<0.01	70	1	6.5	10	1	10	15
MDK0044	537345	7017460	7.56	0.8	5	7	0.02	2400	15	1400	<10	35.5	<5	70
MDK0045	537340	7017456	0.16	0.73	0.1	12	<0.01	100	<1	7	<10	<0.5	<5	<5
MDK0046	537492	7017643	7.7	0.82	1.2	31	0.06	150	12	570	20	23	<5	40
MDK0047	537696	7019182	6.97	0.78	1.8	45	0.05	360	31	1120	40	86	<5	85

*Co-ordinates are UTM GDA94 MGA 50