

ASX Announcement

16 February 2023



Multiple Fractionated Pegmatites at Mindoolah

HIGHLIGHTS

- ✦ Fieldwork on a focused portion of tenements identifies multiple outcropping pegmatites with additional potential for buried pegmatites
- ✦ Fractionated pegmatites confirmed with Li pathfinder rock chip Nb, Ta and Rb assays (up to >5,500ppm Rb) anomalous over 4km of strike
- ✦ Soil sampling confirms Nb and Ta trends and surface Li depletion
- ✦ Follow up programs in preparation to define pegmatite extents and refine target areas ahead of a maiden RC drilling program

Westar Resources Limited (ASX: **WSR**) (Westar or **the Company**) is pleased to announce the completion of reconnaissance field programs, confirming the presence of fractionated pegmatite systems at the Mindoolah Project in the Murchison Region of Western Australia.

The Mindoolah Project contains numerous historically mapped pegmatites that remain untested for LCT mineralisation. Reconnaissance soil and rock chip sampling completed by Westar and reviewed by independent pegmatite expert, Lily Valley International (LVI), confirm the historical mapping and presence of pegmatites. Defined trends highlighting the potential fractionation sequence and potential for Li mineralisation can be traced over 4km and remain open along strike. In addition to the outcropping pegmatites, soil sampling supports the interpretation of buried pegmatites further highlighting the potential in the area. Westar plans further targeted mapping and sampling to define priority target areas ahead of a maiden RC drilling program.

Westar Managing Director Karl Jupp commented:

“Westar has used the due diligence period at Mindoolah to confirm the presence of fractionated pegmatites, enhancing the prospectivity of the project for LCT mineralisation. With the potential of multiple pegmatite systems under thin cover and established surface lithium depletion, Westar intends to rapidly progress additional field programs to refine targets for RC drilling. Additionally, only a small percentage of the interpreted fertile belt has been mapped or sampled to date; highlighting the possibility of multiple prospect areas.”



Registered Address

Westar Resources Limited
ACN 635 895 082
ABN 66 635 895 082

A Level 1, 19 Ord St,
West Perth, WA 6005
P PO Box 814
West Perth, WA 6872

Board Members

Karl Jupp - Managing Director & CEO
Simon Eley – Non-Executive Chairman
Nathan Cammerman – Non-Executive Director

T +61 08 6556 6000
E admin@westar.net.au
W www.westar.net.au

Pilbara Projects

Opaline Well

Murchison Projects

Winjangoo | Mindoolah
Gidgee North

Yilgarn Projects

Olga Rocks | Mt Finnerty

ASX Code

WSR



Rock Chip Sampling

Westar completed reconnaissance mapping and sampling at Mindoolah in late CY22 to verify 13 previously mapped pegmatite occurrences at the Project by previous tenure holders¹, Figure 2. Ten of the 13 pegmatite locations in the south-west of the tenure were verified and 3 additional pegmatite occurrences were observed at sites not previously recorded.

Extensive, thin soil cover limited the ability to accurately map the extents of the pegmatite outcrops. However, sporadic sub crop suggests either pegmatite continuity with a potential strike length of more than 4km or multiple discontinuous pegmatite intrusions beneath cover, which do not outcrop, as indicated by the soil sampling interpretation (Figure 4).

Rock chip geochemistry (Table 1 and Appendix 1) indicates anomalous Cs, Ta and Rb with key ratios changing across the mapped area (Figure 3). This is extremely encouraging and highlights the potential fractionation trends within the pegmatites. An example of heavily enriched Rubidium K-feldspar rock chips sampled at MDK003 (5580ppm) and MDK003b (2230ppm) are shown in Figure 1. Of note is the K/Rb ratio increasing significantly in the central region (Figure 3) indicating that the fractionation increases to the north and south. This is also encouraging for the other areas not sampled or outcropping along strike. Lithium assays in both the rock chips and soil sampling (Table 1) are below expected background values, interpreted to indicate Li depletion due to weathering. Anomalous Li in soils highlight the potential for buried pegmatites, (Table 1 and Figure 4) as discussed below.



Figure 1 – Weathered pegmatite rock chip and MDK003b, dominated by microcline feldspar and heavily enriched in Rb. Image is approx. 20cm across.

¹ WAMEX A file 67963: Cougar Metals NL Annual Report 2002-2003.

Table 1 – Rock chip highlights with Rb, Cs, Nb and Ta enrichment and Li depletion due to weathering

Sample ID	Description	Li %	Cs ppm	Nb ppm	Rb ppm	Ta ppm
MDK0003	Feldspathic pegmatite	0.001	75.6	2.5	5580	6.3
MDK003b	Feldspathic pegmatite	0.001	26.2	39	2230	68.1
MDK0005	Micaceous pegmatite	0.004	27.5	66	985	32.3
MDK0009	Feldspathic pegmatite	<0.001	1	61	19.6	181.5
MDK0010	Micaceous pegmatite	0.006	6.9	80	382	15.4
MDK0011	Micaceous pegmatite	0.008	10.9	64	521	18.4
MDK0016	Feldspathic pegmatite	0.003	16	58	1200	42.4

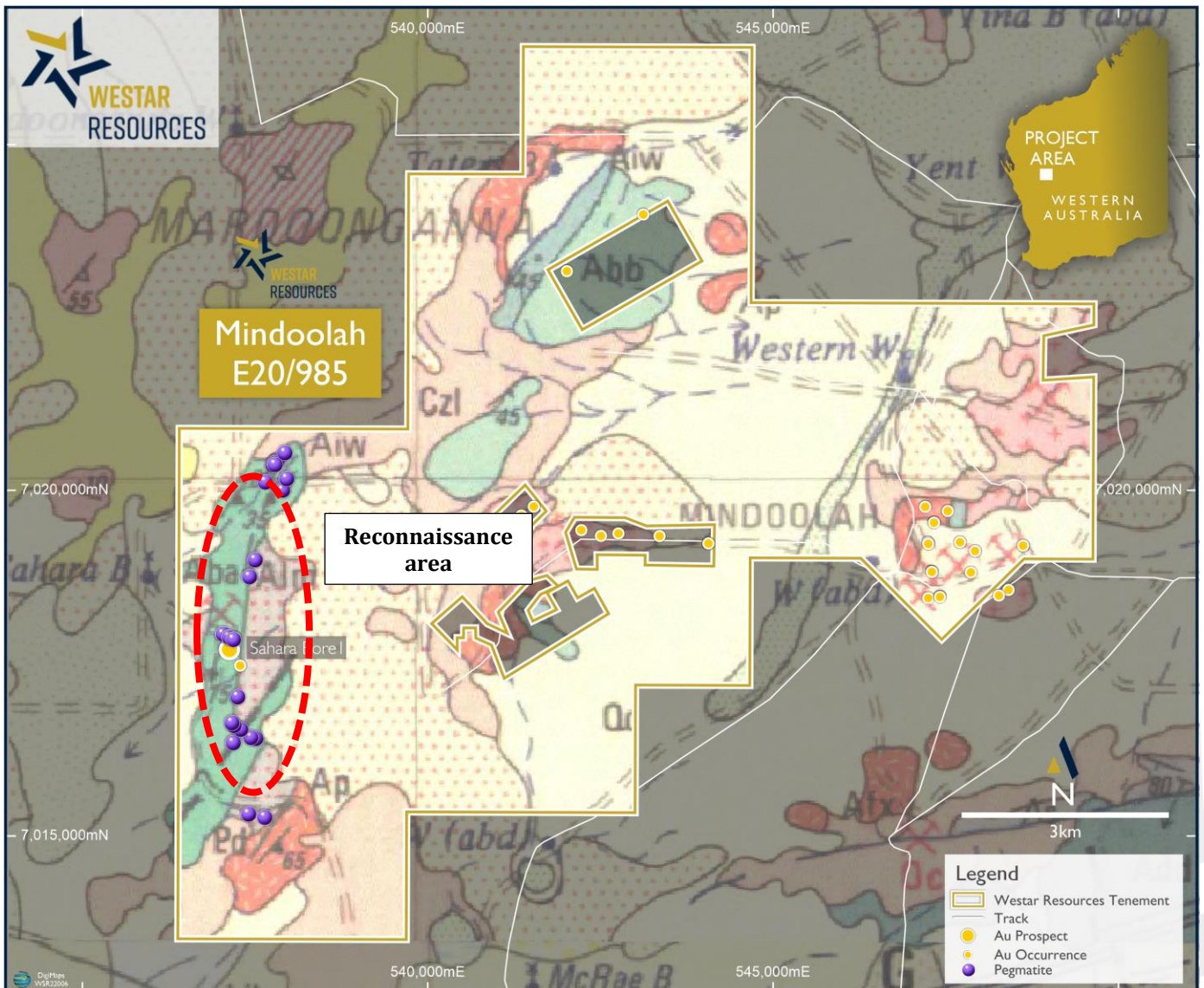


Figure 2 – Location of historically mapped pegmatite (purple) and the initial reconnaissance area

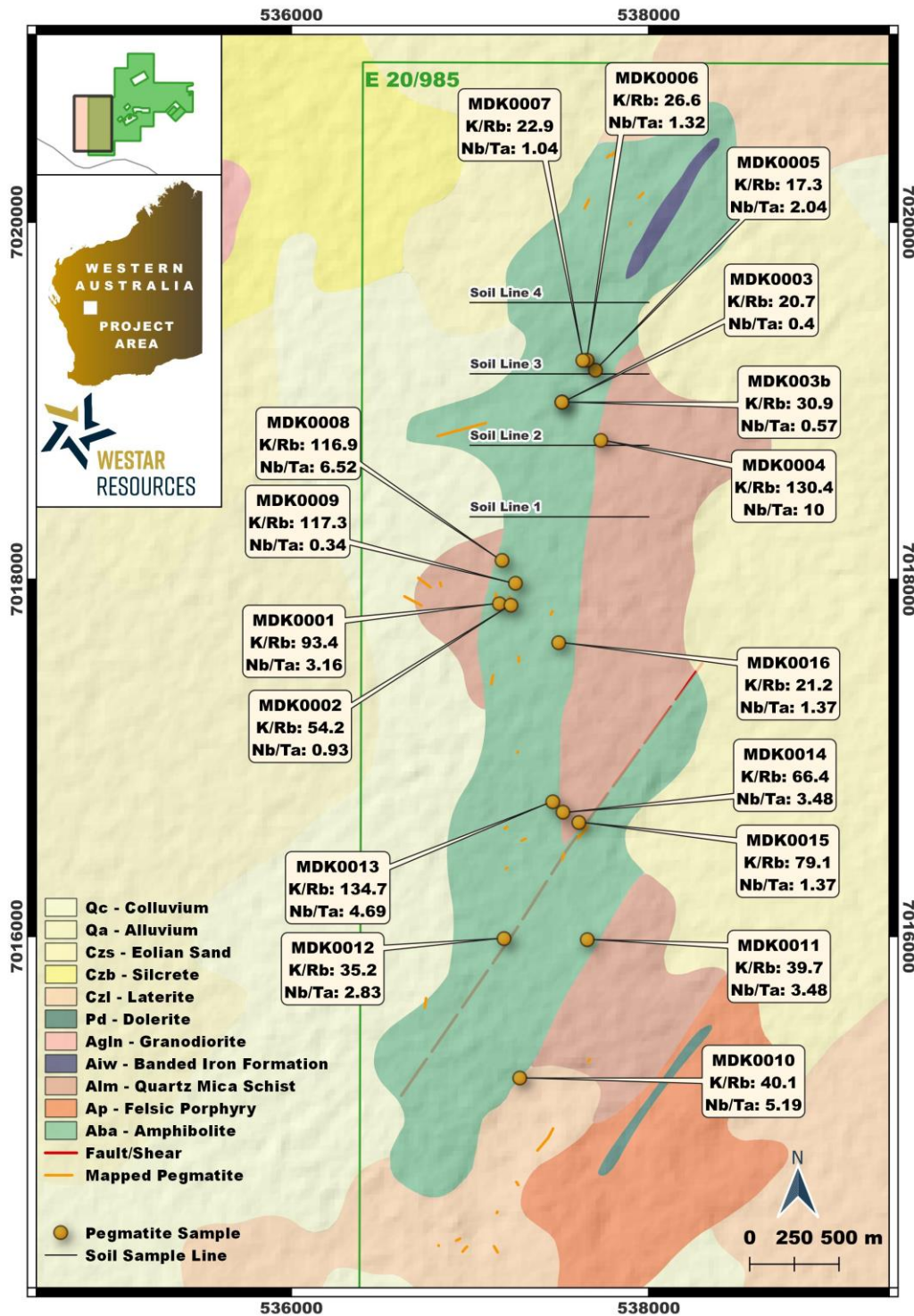


Figure 3 – Locations and K/Rb and Nb/Ta assay ratios of pegmatite rock chip samples (on GSWA 1:250,000 interpreted Geology), indicating fractionated pegmatites are present at the Mindoolah Project. Element ratios used to determine fractionation where “Pegmatites with the highest degree of fractionation (and thus the most economic potential for Li-Cs-Ta) contain blocky K-feldspar with > 3000 ppm Rb, K/Rb < 30 and >100 ppm Cs”²

² Selway, Julie & Breaks, Frederick & Tindle, Andrew. (2005). A review of rare-element (Li-Cs-Ta) pegmatite exploration techniques for the Superior Province, Canada, and large worldwide tantalum deposits.

Orientation Soil Sampling

Four lines of orientation soil samples (86 samples) were collected to determine the suitability of this technique in both locating buried pegmatites and aiding drill targeting towards areas of more highly fractionated pegmatites which potentially host Li mineralisation. These lines covered the northern portion of the mapped area as noted in Figure 4.

Assay results and interpretations indicate Ta and Nb anomalism in the soil geochemistry forms a continuous NE-SW trend across the soils sample lines, which is consistent with the regional mapped geology and pegmatite outcrops trend. This consistency supports the notion that soil sampling can be used to indicate buried pegmatite bodies in the region, allowing more focused exploration.

Of note in the soil sampling is the anomalous Li samples occurring offset to the anomalous Nb and Ta and predominantly in the area of outcropping pegmatites. This is interpreted to represent Li surface depletion and the importance of pathfinder geochemistry in defining more fractionated units within the pegmatite and therefore priority drilling targets.

Forward Work Plans

A follow up rock chip sampling and detailed mapping program will be undertaken to advance the geological understanding of the pegmatite zonation. Targeted sampling of muscovite and microcline from pegmatite outcrops will be assayed to determine degree of fractionation using K/Rb and Nb/Ta ratios. A concurrent soil sampling program will target infill around existing anomalies and extend test areas where pegmatites are interpreted to lie under a thin aeolian cover. These programs are planned to highlight pegmatite zonation with the intent of identifying zones of higher mineral fractionation and priority drilling targets.

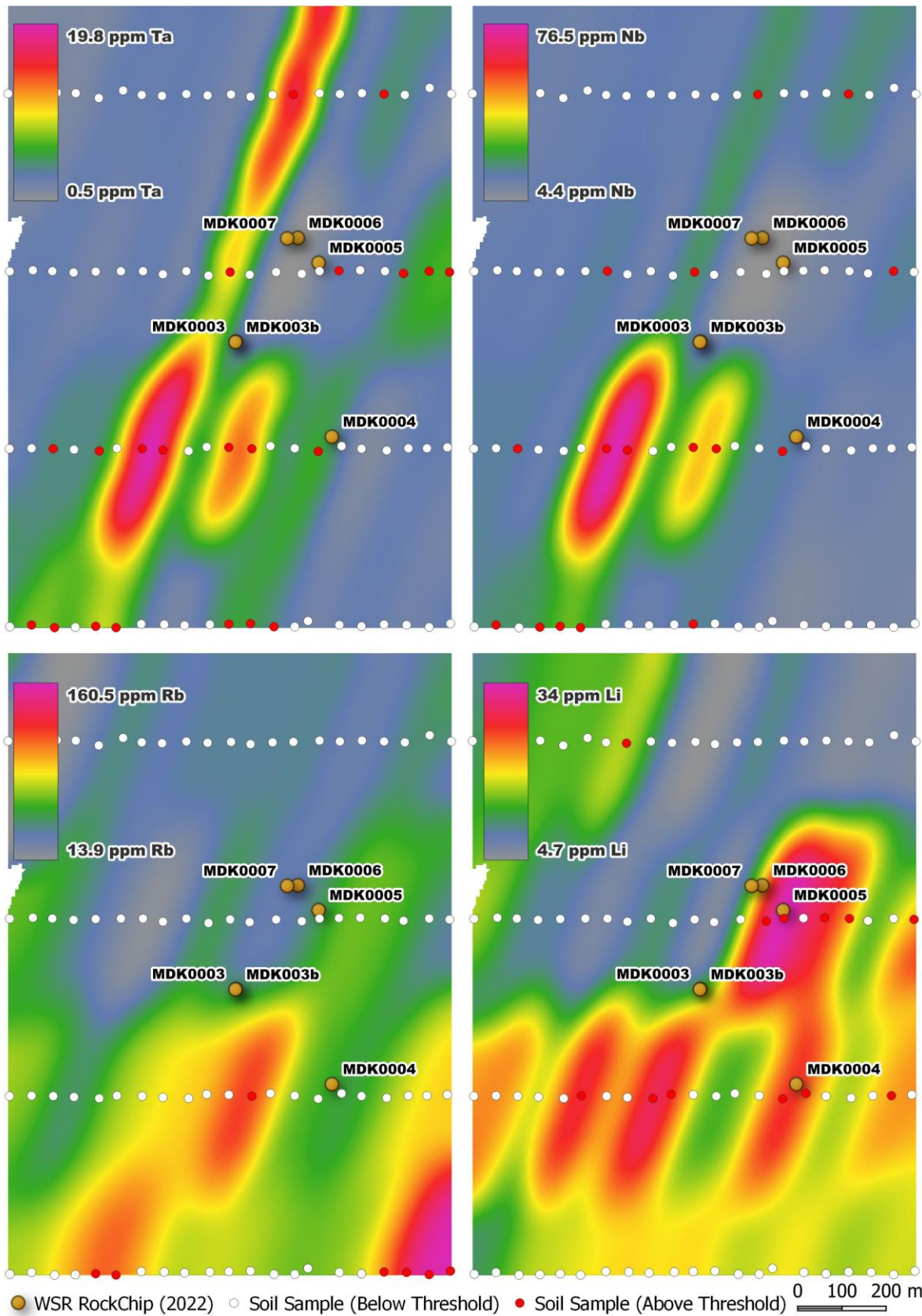


Figure 4 – Orientation soil sampling with Ta and Nb anomalous trends and rock chip samples. Red/white dots representing sample locations indicate above/below determined background values i.e. anomalous samples.

Mindoolah Background

The Mindoolah Project consists of approximately 100km² of tenure, located 70km north-west from the town of Cue in Western Australia (Figure 5), 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.

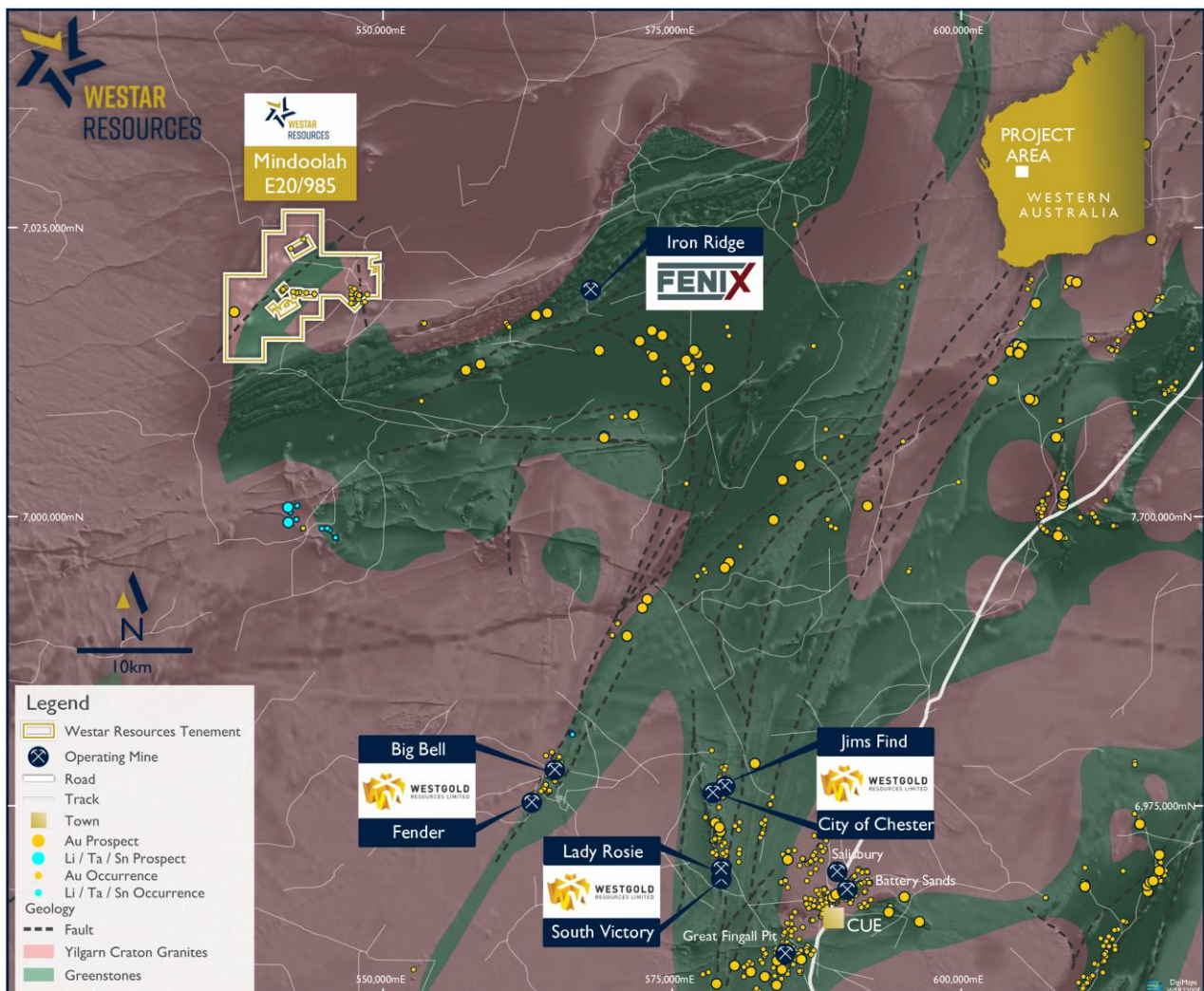
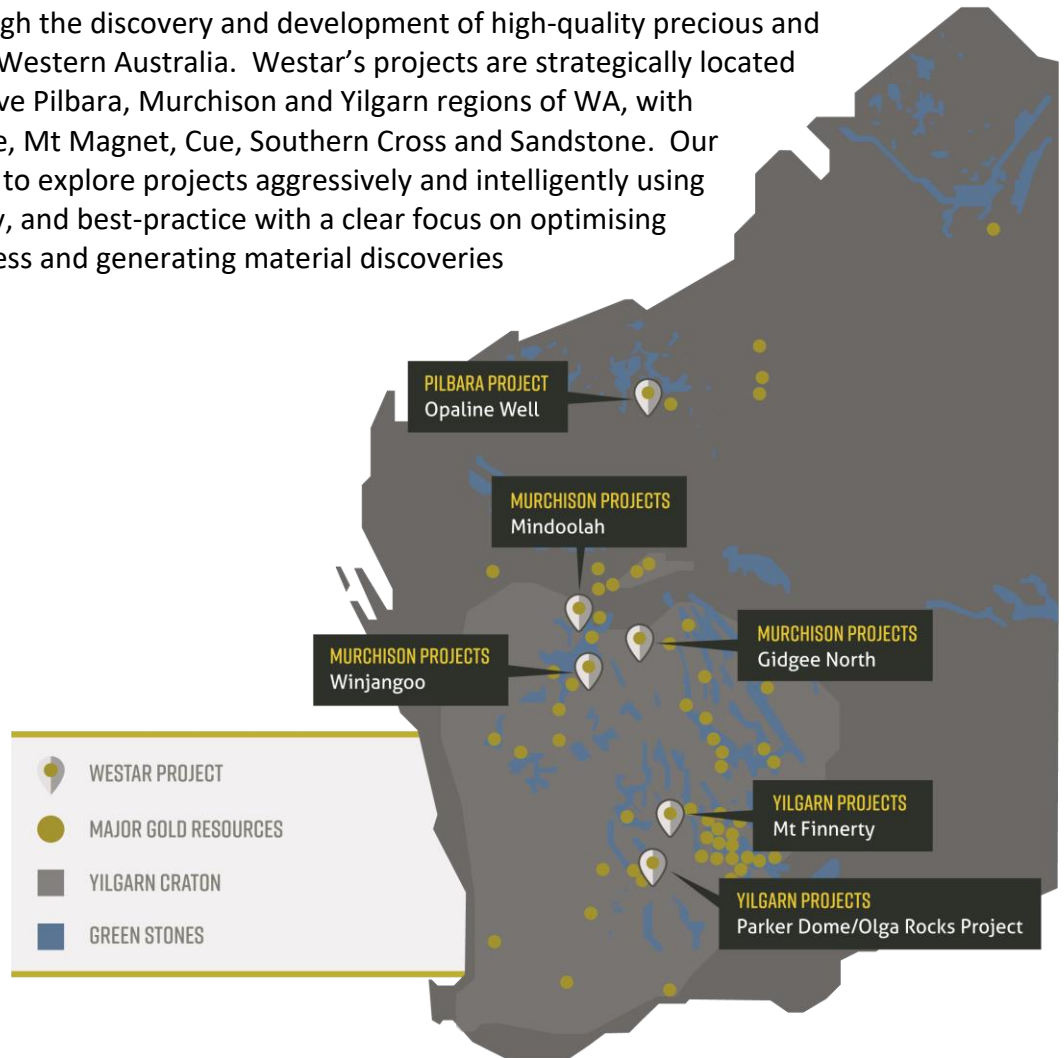


Figure 5 – Location map of the Mindoolah Project, north-west of Cue, Western Australia

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 precious 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

Karl Jupp, Managing Director & CEO | +61 8 6556 6000 | kjupp@westar.net.au

COMPETENT PERSON STATEMENT

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
<i>Sampling techniques</i>	Rock chips samples representative of the outcropping geology were collected by experienced geologists. Samples were typically between 1 and 2kg.
<i>Drilling techniques</i>	Not applicable as no drilling was undertaken.
<i>Drill sample recovery</i>	Not applicable as no drilling was undertaken.
<i>Logging</i>	Geological descriptions of each rock chip sample were appropriately recorded along with a unique sample number and the coordinates for each sample site.
<i>Sub-sampling techniques and sample preparation</i>	No sub-sampling of the rock chip samples was undertaken.
<i>Quality of assay data and laboratory tests</i>	<p>No field blanks, field standards or field duplicates were submitted for assay.</p> <p>The samples were assayed at ALS laboratories in Perth. ALS are an accredited and recognised laboratory for this type of routine analysis and conduct appropriate QAQC samples as part of their standard assaying techniques.</p> <p>The main sample preparation and analysis steps were as follows: Lab. Code CRU-21: Coarse crushing of rock chip and drill samples. Used as a preliminary step before fine crushing of larger sample sizes or when the entire sample will be pulverized but the material is too large for introduction to the pulverizing equipment. No QC reported. Lab code PUL-24: Pulverize up to 3kg of raw sample. QC specification of 85% <75µm. Samples greater than 3kg are split prior to pulverizing and the remainder discarded. Lab. Code ME-ICP89: Na₂O₂ peroxide fusion - Analysis of various elements by ICP-AES after Sodium Peroxide Fusion. This procedure is ideal for the determination intermediate and ore grade lithium and associated whole rock elements in hard rock lithium settings. Lab. code ME-MS91: Selected element determination by Sodium Peroxide Fusion and Dissolution followed by ICP-MS analysis</p>
<i>Verification of sampling and assaying</i>	Sampling was undertaken by a suitably qualified geologist and assaying quality was checked using internal laboratory standards reported to WSR.
<i>Location of data points</i>	GPS coordinates for each site were collected using a handheld GPS. Grid system – GDA94 Zone 50K
<i>Data spacing and distribution</i>	Rock chip samples were collected from prospective outcrops. There is no regularity to the sample pattern.

<i>Orientation of data in relation to geological structure</i>	Not relevant for rock chip sampling.
<i>Sample security</i>	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 Westar's Managing Director to the assay laboratory.
<i>Audits or reviews</i>	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
<i>Mineral tenement and land tenure status</i>	<p>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.</p> <p>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.</p>
<i>Exploration done by other parties</i>	<p>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.</p>
<i>Geology</i>	<p>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.</p>
<i>Drill hole Information</i>	Not applicable as no drilling was undertaken.
<i>Data aggregation methods</i>	There has been no data aggregation.

<i>Relationship between mineralisation widths and intercept widths</i>	Not applicable as no drilling has been undertaken.
<i>Diagrams</i>	Suitable maps are included in the body of the announcement.
<i>Balanced reporting</i>	Key results and conclusions have been included in the body of the announcement. All rock chip assays are included in the Appendix.
<i>Other substantive exploration data</i>	During Q4 2022 Westar Resources contracted Barking Outback Pty Ltd to undertake an orientation soil sampling program over the western part of E20/985. Results are discussed in the body of the announcement with full results included in the Appendix.
<i>Further work</i>	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
<i>Sampling techniques</i>	Soil samples were collected from a depth of 30cm 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.
<i>Drilling techniques</i>	Not applicable as no drilling was undertaken.
<i>Drill sample recovery</i>	Not applicable as no drilling was undertaken.
<i>Logging</i>	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.
<i>Sub-sampling techniques and sample preparation</i>	No sub-sampling of the soil samples was undertaken.
<i>Quality of assay data and laboratory tests</i>	No field blanks, field standards or field duplicates were submitted for assay. The samples were assayed at ALS laboratories in Perth. ALS are an accredited and recognised laboratory for this type of routine analysis and conduct appropriate QAQC samples as part of their standard assaying techniques.

	<p>The main sample preparation and analysis steps were as follows: Lab. Code CRU-31L: Pulverize split of up to 250g to better than 85% passing minus 75 micron. Soil specific. No QC reported. Lab. Code ME-MS61L - 4 acid digest ICP-MS finish - Lowest DL Multi-Element Super Trace method ideal for exploration in soils or sediments, not appropriate for mineralized samples. 4-Acid digest on 0.25g sample analyzed via ICP-MS and ICP-AES. Lab. code MS61L-REE: Rare Earth Analytes are reported to Super Trace Detection Limits using a multi-acid digestion (HF-HNO₃-HClO₄), HCl leach followed by ICP-MS analysis.</p>
<i>Verification of sampling and assaying</i>	Sampling was undertaken by a suitably qualified geologist and assaying quality was checked using internal laboratory standards reported to WSR.
<i>Location of data points</i>	GPS coordinates for each site were collected using a handheld GPS. Grid system – GDA94 Zone 50K
<i>Data spacing and distribution</i>	Soil samples were collected at 50m intervals on 400m spaced, east-west orientated survey lines.
<i>Orientation of data in relation to geological structure</i>	Sample grid designed to be perpendicular to underlying stratigraphy.
<i>Sample security</i>	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 Westar’s Managing Director to the assay laboratory.
<i>Audits or reviews</i>	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
<i>Mineral tenement and land tenure status</i>	<p>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.</p> <p>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.</p>
<i>Exploration done by other parties</i>	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.
<i>Geology</i>	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.
<i>Drill hole Information</i>	Not applicable as no drilling was undertaken.
<i>Data aggregation methods</i>	There has been no data aggregation.
<i>Relationship between mineralisation widths and intercept widths</i>	Not applicable as no drilling has been undertaken.
<i>Diagrams</i>	Suitable maps are included in the body of the announcement.
<i>Balanced reporting</i>	Key results and conclusions have been included in the body of the announcement. All rock chip assays are included in the Appendix.
<i>Other substantive exploration data</i>	During Q4 2022 Westar Resources contracted Barking Outback Pty Ltd to undertake an orientation soil sampling program over the western part of E20/985. Results are discussed in the body of the announcement with full results included in the Appendix.
<i>Further work</i>	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.

Appendix 1 – Rock Chip Samples

Sample ID	Easting	Northing	Al ₂ O ₃ %	CaO %	K ₂ O %	Li %	MgO %	SiO ₂ %	Cs ppm	Nb ppm	Rb ppm	Sn ppm	Ta ppm
MDK0001	537164	7017863	15.25	0.26	5.08	0.002	0.08	76.8	7	42	544	9	13.3
MDK0002	537229	7017855	14.15	0.24	0.11	0.001	0.01	73.8	1	40	20.3	<5	43
MDK0003	537515	7018993	17.85	<0.07	11.55	0.001	0.02	65.7	75.6	2.5	5580	<5	6.3
MDK003b	537514	7018992	14.95	0.1	6.89	0.001	0.02	72.1	26.2	39	2230	<5	68.1
MDK0004	537732	7018778	0.91	<0.07	0.06	<0.001	0.06	>100	0.2	2.5	4.6	<5	0.25
MDK0005	537702	7019171	15.45	0.37	1.7	0.004	0.06	80.9	27.5	66	985	36	32.3
MDK0006	537655	7019227	16.7	0.4	0.47	0.002	0.04	75.3	5.5	79	176.5	7	60
MDK0007	537631	7019226	15.9	0.62	0.41	0.002	0.03	81.3	7.7	45	179	9	43.4
MDK0008	537179	7018106	12	0.33	2.9	0.004	0.08	82.8	3.5	30	248	11	4.6
MDK0009	537254	7017978	15.5	0.66	0.23	<0.001	0.03	78.9	1	61	19.6	<5	181.5
MDK0010	537278	7015207	19.45	0.08	1.53	0.006	0.08	73.6	6.9	80	382	12	15.4
MDK0011	537656	7015982	21	0.07	2.07	0.008	0.33	70.2	10.9	64	521	23	18.4
MDK0012	537190	7015988	16.9	0.17	1.47	0.007	0.57	75.3	11.6	54	418	15	19.1
MDK0013	537463	7016754	10.85	0.08	2.33	0.014	1.6	83.2	7.5	23	173	9	4.9
MDK0014	537520	7016696	14.7	0.23	4.28	0.006	0.04	74.9	12.2	32	645	6	9.2
MDK0015	537609	7016638	15.2	0.18	4.17	0.001	0.02	77.7	7.6	42	527	<5	30.7
MDK0016	537496	7017645	13.3	0.18	2.54	0.003	0.07	78.5	16	58	1200	19	42.4

Note: all positions recorded using handheld GPS with positions stated in GDA-94 Zone 50K.

APPENDIX 2 – Soil Samples

SAMPLE	Easting	Northing	Al	Be	Ca	Cs	Hf	In	K	Li	Mn	Mo	Na	Nb	P	Rb	S	Sb	Se	Sn	Ta
MDS0001	537000	7019553	7.57	0.4	0.01	1	3.61	0.034	0.38	11.6	97.3	1.4	0.021	10.75	0.01	21.1	0.01	0.37	0.932	1.82	1.22
MDS0002	537053	7019548	7.74	0.4	0.02	0.9	3.71	0.029	0.37	12.3	93.8	1.51	0.021	11.6	0.009	20.8	0.01	0.35	0.888	1.88	1.6
MDS0003	537110	7019555	7.96	0.41	0.01	0.84	3.52	0.033	0.34	14.2	90.6	1.59	0.019	11.65	0.009	18.6	0.01	0.33	0.88	1.83	1.45
MDS0004	537153	7019554	7.52	0.59	0.01	1.25	3.31	0.037	0.4	14.3	103	1.52	0.028	10.15	0.015	25.1	0.01	0.33	0.721	1.85	1.13
MDS0005	537205	7019543	7.13	1.1	0.36	1.78	3.22	0.059	0.61	14.2	342	1.9	0.212	10.6	0.016	42	0.01	0.41	1.375	1.72	1.86
MDS0006	537260	7019560	7.36	1.64	0.17	2.03	3.84	0.055	0.72	15	766	1.66	0.246	13.15	0.016	46.7	0.02	0.38	1.28	1.75	2.91
MDS0007	537302	7019550	6.91	1.05	0.13	1.71	3.8	0.054	0.71	11.6	282	1.74	0.156	9.68	0.019	44.7	0.01	0.42	1.2	1.66	1.52
MDS0008	537348	7019548	9.45	0.98	0.05	1.64	3.43	0.065	0.37	22.6	791	1.64	0.062	14.55	0.013	28.3	0.12	0.34	0.891	1.89	2.44
MDS0009	537403	7019552	7.43	0.81	0.04	1.88	4.48	0.055	0.73	10.7	198	1.51	0.06	12.05	0.017	42.9	0.02	0.39	1.27	1.76	2.47
MDS0010	537451	7019549	6.83	0.7	0.02	1.64	4.75	0.047	0.7	8.3	141.5	1.69	0.057	12.25	0.016	40	0.01	0.42	1.27	1.68	1.94
MDS0011	537504	7019551	6.79	0.6	0.03	1.48	4.7	0.044	0.74	6.7	206	1.32	0.078	12.1	0.019	40.7	0.01	0.36	1.375	1.57	1.82
MDS0012	537548	7019546	7.34	0.53	0.03	1.58	5.03	0.043	0.7	5.8	158.5	1.37	0.056	11.1	0.023	40	0.02	0.43	1.44	1.57	1.47
MDS0013	537598	7019550	6.9	0.53	0.02	1.63	5.85	0.043	0.79	9.1	157	1.58	0.044	12.55	0.017	42.8	0.02	0.43	1.555	1.81	1.44
MDS0014	537645	7019551	8.79	2.28	0.03	1.73	4.7	0.047	0.67	13.5	135	1.31	0.043	22	0.019	36.8	0.02	0.39	1.525	1.9	19.8
MDS0015	537704	7019554	6.8	0.57	0.02	2.21	5.77	0.046	0.76	9	170	1.61	0.044	12.65	0.017	50.2	0.02	0.45	1.76	2.03	2.17
MDS0016	537750	7019552	8.85	0.61	0.02	1.47	6.03	0.053	0.46	10.3	109	2.66	0.034	12.35	0.014	27.1	0.02	0.43	2.03	2.03	1.68
MDS0017	537800	7019554	7.69	0.63	0.02	1.49	4.97	0.056	0.63	7.8	153.5	2.19	0.041	11.95	0.019	34.8	0.02	0.42	1.92	1.82	1.64
MDS0018	537850	7019552	7.52	0.53	0.02	1.63	5.38	0.052	0.61	7.4	138	2.34	0.039	19.55	0.019	36.4	0.02	0.45	2.09	2.09	4.05
MDS0019	537897	7019550	7.74	0.89	0.03	1.88	4.96	0.069	0.63	7.8	179.5	3.11	0.058	14.2	0.019	40.3	0.02	0.5	2.22	2.19	2.97
MDS0020	537953	7019566	8.55	1.91	0.05	2.6	4.61	0.064	0.7	9.4	140.5	2.52	0.056	13.5	0.024	58.4	0.01	0.48	1.61	2.46	2.34
MDS0021	538002	7019552	6.21	0.67	0.04	1.47	3.67	0.044	0.48	7.5	114.5	2.12	0.038	8.79	0.02	29.7	0.02	0.5	1.56	1.56	1.01
MDS0022	537009	7019151	7.16	0.77	0.04	2.24	4.78	0.053	0.88	10.6	127	2	0.082	12.2	0.021	59.2	0.01	0.35	0.965	2.13	1.28
MDS0023	537056	7019154	9.56	1.31	0.04	2.58	4.2	0.062	0.77	16.5	1660	2.63	0.168	11.65	0.016	61.9	0.03	0.38	0.921	2.1	2.1
MDS0024	537100	7019152	7.16	0.78	0.03	1.91	4.03	0.063	0.75	10.1	125.5	2.99	0.098	13.35	0.017	51.6	0.02	0.4	1.195	2.15	2.62
MDS0025	537148	7019149	6.17	0.63	0.04	1.45	3.75	0.047	0.75	8.6	135	3.17	0.062	11.95	0.018	45.6	0.01	0.41	1.21	1.92	1.86
MDS0026	537198	7019151	7.78	0.7	0.03	1.39	4.19	0.052	0.57	13.6	136	6.16	0.055	11.75	0.015	35.7	0.01	0.48	1.73	2.11	1.54

SAMPLE	Easting	Northing	Al	Be	Ca	Cs	Hf	In	K	Li	Mn	Mo	Na	Nb	P	Rb	S	Sb	Se	Sn	Ta
MDS0027	537255	7019152	6.77	0.43	0.02	1.26	4.06	0.048	0.61	7	141.5	4.09	0.045	12.95	0.014	35	0.01	0.44	1.46	1.69	1.87
MDS0028	537305	7019152	9.74	0.66	0.01	0.97	4.16	0.056	0.2	7.4	60.3	5.1	0.025	15.75	0.01	13.95	0.04	0.29	0.93	2.46	2.54
MDS0029	537350	7019145	8.94	0.58	0.01	0.93	3.38	0.068	0.42	11	95.4	4.33	0.031	12.35	0.011	23.7	0.02	0.36	1.755	2.07	2.29
MDS0030	537403	7019152	8.7	0.84	0.04	1.5	3.11	0.06	0.51	10.7	134	2.35	0.056	8.87	0.02	32.2	0.02	0.35	1.79	1.61	1.09
MDS0031	537453	7019142	7.58	2.21	0.76	3.9	3.12	0.038	0.52	14	179.5	1.21	0.825	7.97	0.013	59.5	0.01	0.24	0.877	1.28	1.23
MDS0032	537502	7019150	7.21	2.85	0.05	2.42	3.01	0.046	0.56	8.3	125	1.67	0.094	30.4	0.016	51.3	0.01	0.39	1.185	2.09	14.3
MDS0033	537546	7019144	7.57	0.93	0.04	1.35	2.5	0.04	0.43	4.7	113.5	1.34	0.061	5.94	0.028	26.4	0.02	0.22	1.63	1.35	0.58
MDS0034	537606	7019150	6.2	1.06	0.42	1.58	2.36	0.036	0.54	11.9	447	0.99	0.256	5.65	0.014	41	0.01	0.25	1.345	1.1	0.54
MDS0035	537664	7019146	7.28	1.31	3.69	2.02	1.63	0.058	0.38	28.3	1100	0.66	0.588	4.78	0.013	28.8	0.01	0.2	0.66	1	0.52
MDS0036	537704	7019152	7.21	1.26	4.45	2.05	1.25	0.056	0.38	38.5	1360	0.44	0.753	4.09	0.008	53.6	0.01	0.22	0.25	1	0.61
MDS0037	537748	7019153	6.27	1.75	1.06	2.74	3.27	0.04	0.84	18.6	658	1.32	0.49	10.55	0.019	67.6	0.01	0.41	0.989	1.67	3.72
MDS0038	537796	7019154	7.94	1.27	1.64	2.68	3.21	0.056	0.72	27.4	787	0.93	0.617	9.69	0.019	59.6	0.01	0.35	0.697	1.74	1.42
MDS0039	537852	7019152	7.68	1.55	1.79	2.8	2.6	0.059	0.71	24.5	706	1.04	0.442	8.14	0.018	62.5	0.01	0.36	0.91	1.68	1.48
MDS0040	537894	7019147	7.28	1.61	0.24	2.55	4.12	0.042	0.81	10.3	282	1.38	0.397	12.75	0.021	58.1	0.01	0.33	1.065	1.94	3.39
MDS0041	537894	7019147	7.25	2.78	0.24	2.64	4.08	0.042	0.8	10.1	298	1.45	0.393	11.9	0.021	59	0.01	0.38	1.055	1.9	3.62
MDS0042	537952	7019152	8.92	2.8	0.07	2.36	3.52	0.075	0.44	14.8	355	1.2	0.234	16.6	0.015	40.4	0.05	0.32	0.708	2.22	5.23
MDS0043	537998	7019150	10.9	5.56	0.05	2.46	3.32	0.111	0.4	25	152	1.4	0.54	12.45	0.019	38	0.07	0.28	0.875	2.28	3.96
MDS0044	537003	7018751	9.61	1.57	0.09	2.56	4.16	0.059	0.82	19.2	201	4.86	0.148	14.25	0.018	69.3	0.01	0.35	0.626	2.99	1.96
MDS0045	537053	7018752	10.15	1.74	0.09	2.77	3.82	0.065	0.75	21.4	615	4.72	0.19	12.2	0.016	64.2	0.03	0.34	0.794	2.92	1.81
MDS0046	537102	7018751	8.13	1.28	0.07	2.32	3.89	0.055	0.79	22.4	643	2.27	0.135	16.75	0.018	57.4	0.02	0.38	1.005	2.15	4.41
MDS0047	537149	7018749	4.02	0.73	0.06	0.89	3.61	0.038	0.53	10.4	142	2.62	0.099	9.6	0.012	31.9	0.01	0.29	0.904	1.17	1.83
MDS0048	537206	7018746	8.24	1.12	0.14	2.49	3.14	0.051	0.75	19.5	159	2.01	0.145	11.6	0.021	57.9	0.01	0.4	0.953	1.89	4.35
MDS0049	537246	7018752	8.39	1.92	0.15	3.07	3.43	0.06	0.91	34.7	965	3.08	0.202	10.45	0.024	71.3	0.02	0.49	1.1	2.12	1.44
MDS0050	537303	7018751	7.51	1.4	0.23	2.5	3.2	0.053	0.88	13.6	329	2.23	0.295	76.5	0.02	71.5	0.03	0.37	1.18	1.91	17
MDS0051	537350	7018748	7.38	1.37	0.18	3.29	3.89	0.058	0.98	20.4	558	1.89	0.225	62.5	0.024	82.5	0.01	0.44	1.045	2.05	13.45
MDS0052	537408	7018746	8.54	1.66	0.98	3.93	3.02	0.058	0.85	29.9	723	1.3	0.332	9.98	0.023	76.6	0.01	0.44	0.539	2.19	1.42
MDS0053	537449	7018755	8.12	1.45	0.29	3.95	3.22	0.049	0.91	26	593	1.62	0.251	12.95	0.022	89.4	0.01	0.36	0.862	2.18	2.75

SAMPLE	Easting	Northing	Al	Be	Ca	Cs	Hf	In	K	Li	Mn	Mo	Na	Nb	P	Rb	S	Sb	Se	Sn	Ta
MDS0054	537499	7018754	6.5	1.18	0.13	3.52	3.67	0.04	0.94	14.8	288	2.25	0.233	39.5	0.022	84.1	0.01	0.34	1.085	1.91	10
MDS0055	537551	7018751	7.87	1.7	0.1	3.96	3.33	0.04	1.12	11.2	148	1.45	0.897	45	0.024	151	0.01	0.34	1.255	3.38	11.5
MDS0056	537593	7018757	7.31	2.76	0.14	3.08	3.85	0.05	0.83	16.3	480	1.52	0.174	9.56	0.024	62.5	0.03	0.41	1.27	1.98	1.29
MDS0057	537648	7018752	6.49	1.12	0.13	2.27	4.3	0.048	0.98	13.7	449	1.58	0.198	11.4	0.022	61.1	0.01	0.45	1.05	1.79	2.72
MDS0058	537701	7018745	9.65	2	0.25	3.49	3.44	0.066	0.73	29.9	550	1.47	0.254	17.75	0.024	60.1	0.01	0.34	0.669	2.36	6.36
MDS0059	537754	7018757	7.62	1.16	0.07	2.8	4.34	0.069	0.71	22.9	330	1.25	0.195	10.55	0.016	48.1	0.02	0.31	0.72	2.1	1.55
MDS0060	537799	7018751	6.37	1.08	0.09	2.95	4.47	0.04	0.83	14	180	1.36	0.188	9.07	0.016	50.1	0.01	0.3	0.85	1.75	0.99
MDS0061	537856	7018747	6.42	1.23	0.14	4.77	4.65	0.049	1.07	15.7	188	1.34	0.292	10.35	0.022	70.3	0.01	0.37	1.05	1.9	1.29
MDS0062	537905	7018752	6.2	1.54	0.24	4.2	4.53	0.043	1.08	17	473	1.28	0.423	12.3	0.021	70.3	0.01	0.36	0.946	1.76	2.44
MDS0063	537947	7018752	7.17	1.42	0.2	5.08	4.2	0.056	1.05	23.2	734	1.5	0.309	10.5	0.022	88.2	0.02	0.36	1.83	2	2.66
MDS0064	537993	7018754	6.11	1.81	0.21	4.43	4.35	0.041	1.22	18.7	632	1.32	0.39	9.61	0.022	79.8	0.01	0.34	0.827	1.81	1.74
MDS0065	537004	7018349	6.88	1.49	0.07	2.22	4.35	0.053	1	11.6	172	2.06	0.176	12.8	0.023	67.2	0.01	0.42	1.405	1.82	2.29
MDS0066	537053	7018353	6.85	1.23	0.07	2.42	4.49	0.05	1.04	12.2	240	2.07	0.173	19.65	0.025	70.1	0.01	0.44	1.165	1.87	6.71
MDS0067	537105	7018347	7.94	1.52	0.11	3.37	4.2	0.056	1.1	18.4	954	1.88	0.24	14.9	0.025	82.5	0.01	0.45	1.03	2.27	4.53
MDS0068	537152	7018348	6.57	1.3	0.09	2.7	4.41	0.054	1.28	14.9	401	1.7	0.273	15.85	0.023	88.6	0.01	0.44	1.08	1.93	3.13
MDS0069	537198	7018350	7.21	2.33	0.27	3.17	4.16	0.058	1.34	17.7	1225	1.72	0.567	30.5	0.021	109.5	0.01	0.42	0.99	1.9	7.78
MDS0070	537244	7018347	7.19	1.4	0.16	3.19	4.52	0.048	1.3	17.4	660	1.56	0.442	21.4	0.025	101	0.01	0.42	1.08	1.96	5.74
MDS0071	537301	7018355	7.3	1.43	0.17	3.58	4.84	0.053	1.16	17.9	801	1.64	0.36	13.75	0.028	81.2	0.01	0.47	0.87	2.12	2.22
MDS0072	537353	7018354	7.14	1.37	0.21	3.29	4.41	0.055	1	19.2	872	1.58	0.223	10.25	0.027	69	0.01	0.46	0.975	2.05	1.23
MDS0073	537399	7018352	7.29	1.28	0.09	3.12	4.46	0.058	1.03	17	701	1.78	0.185	11	0.029	68.8	0.02	0.47	1.105	2.1	1.52
MDS0074	537456	7018354	7.88	1.35	0.11	3.63	4.78	0.06	1.08	18	491	1.77	0.226	13.85	0.029	76.9	0.01	0.49	0.994	2.4	2.7
MDS0075	537499	7018355	7.9	1.32	0.15	3.2	4.51	0.058	1.02	19.5	593	2.04	0.168	15.7	0.027	69.3	0.01	0.42	1.435	2.09	5.07
MDS0076	537548	7018356	8.15	1.22	0.07	3.19	4.59	0.055	1.01	16.2	270	1.72	0.145	12.9	0.031	70.2	0.01	0.48	1.155	2.21	3.43
MDS0077	537601	7018349	6.93	1.2	0.09	2.52	4.51	0.049	1	15.9	625	1.86	0.185	13.55	0.023	63.6	0.01	0.45	1.51	1.83	3.46
MDS0078	537648	7018349	7.24	1.71	0.49	2.85	3.82	0.051	0.77	16.1	355	1.85	0.353	8.7	0.023	56.3	0.02	0.38	1.785	1.73	1.51
MDS0079	537678	7018362	6.84	2.62	0.71	4.08	3.08	0.043	0.72	18.5	298	1.6	0.705	7.26	0.017	66.6	0.01	0.31	0.994	1.67	1.57
MDS0080	537749	7018353	6.17	3.39	0.77	3.89	2.85	0.052	0.67	17.9	299	2.47	0.769	7.89	0.016	63.4	0.01	0.55	1.665	1.81	2.17

SAMPLE	Easting	Northing	Al	Be	Ca	Cs	Hf	In	K	Li	Mn	Mo	Na	Nb	P	Rb	S	Sb	Se	Sn	Ta
MDS0081D	537799	7018350	5.89	2.15	0.72	3.72	3	0.054	0.65	16.9	281	2.2	0.717	8.91	0.016	60.9	0.01	0.5	1.52	2.83	3.19
MDS0082	537799	7018350	6.08	1.25	0.24	3.42	4.06	0.034	1.33	14.6	304	1.08	0.586	9.25	0.015	80.6	0.01	0.29	0.684	1.56	1.75
MDS0083	537850	7018354	6.84	1.45	0.21	3.34	4.34	0.027	2.03	14.5	209	1.04	0.919	10.15	0.017	104	0.01	0.27	0.681	1.65	1.85
MDS0084	537901	7018353	7.25	1.65	0.28	3.45	4.65	0.032	2.24	17.5	122.5	1.04	1.215	10.1	0.016	123	0.01	0.21	0.653	1.74	1.72
MDS0085	537952	7018348	6.29	1.88	0.23	12.25	4.05	0.017	2.34	17.1	165	1.28	1.19	8.64	0.014	160.5	0.01	0.21	0.489	1.34	1.79
MDS0086	538000	7018356	6.89	1.35	0.17	5.37	4.06	0.025	1.88	15.9	194	1.14	0.733	10.6	0.014	112	0.01	0.24	0.558	1.62	2.93