Basin ENERGY

Basin Energy to Acquire Extensive Queensland Uranium and Rare Earth Portfolio

Key Highlights

- Binding agreement to acquire the largest prospective uranium and rare earth packages in Queensland, adjacent to Paladin Energy Limited's (ASX:PDN) Valhalla uranium deposit and Red Metal Limited's (ASX:RDM) Sybella rare earth discovery [1]
- Early stage exploration supports three distinct, drill-ready exploration models, each amenable to low-cost shallow drilling:
  - AEM geophysical survey previously reported identified extensive paleochannel network adjacent to the Sybella uranium "hot" granite.
  - Significant hard rock granite rare earth element potential, analogous to Red Metal's Sybella discovery. Recent auger drill sampling returned numerous significant results including **5 m @ 1,951 ppm TREO with 578 ppm Nd+Pr oxide**, incl. **3 m @ 705 ppm Nd+Pr oxide.**
  - District-scale sediment-hosted ionic clay rare earth potential with $150,000 Queensland Government funding in place to fastrack drilling. Soil sampling completed with numerous samped returning **>600 ppm TREO** with a maximum of **653 ppm TREO.**
- Additional Valhalla-style uranium targets with multiple untested radiometric anomalies, in proximity to Valhalla, Skal and Odin deposits which host a combined 116 Mlbs U_3O_8 [2]
- The Company has received firm commitments from institutional and sophisticated investors to raise $1.25 million at $0.025 per share, representing a 9% premium to 20 day VWAP.
- With the oversubscribed placement along with the Queensland grant, Basin Energy is fully funded to test these drill-ready high priority targets, enabling the Company to fast-track multiple uranium and rare earth drill programs.
- Detailed targeting and drill planning is underway with exploration planned to commence in Q4 2025 to test shallow, high priority targets via aircore and reverse circulation drilling.

Managing Director, Pete Moorhouse commented:

"This acquisition propels Basin into Australia's uranium and rare earth exploration landscape. These projects deliver exceptional geology, strategic scale and compelling upside across two of the most critical mineral sectors of the energy transition. With drill-ready targets and a low-cost structure, this portfolio is primed to deliver value for shareholders. Over the next 6 months, Basin Energy will be drilling the first holes on three district-scale opportunities for uranium and rare earth deposits in Northwest Queensland.

The Company is delighted with the strong interest in the capital raising. On behalf of the Board, I welcome our new shareholders, and thank existing shareholders for their continued support at an exciting time of development for the Company. We will be holding a webinar to walk through the projects on 28th August and encourage people to log in and learn more about this opportunity."

Overview

Basin Energy Limited (ASX:BSN, "Basin" or the "Company") is pleased to announce that it has entered into a binding agreement to acquire 100% of the issued capital of NeoDys Limited ("NeoDys"), a privately held critical minerals explorer with a dominant landholding in the Mount Isa region of northwest Queensland.

This acquisition provides Basin with a commanding position over one of Australia's emerging and underexplored provinces for uranium and rare earth elements ("REE"), leveraging the recent **Sybella rare earth discovery** by Red Metal Limited (ASX: RDM) and the prospectivity of the adjacent **Barkly Tableland.**

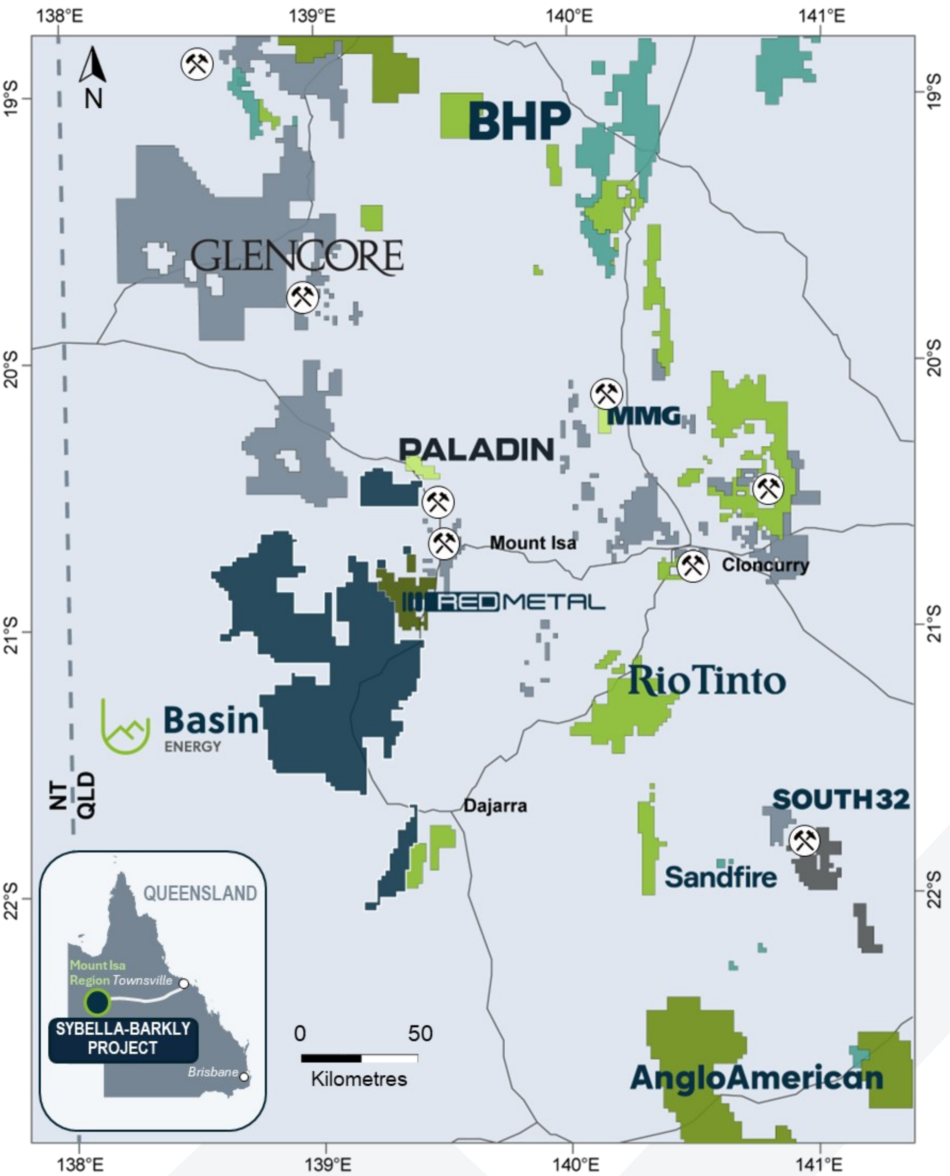

Figure 1 – Project location map

Basin now holds 5,958 km^2 of exploration tenure in the Mount Isa district of northwest Queensland. The projects provide compelling walk-up drill targets that can be rapidly and cost-effectively tested using air core and reverse circulation (RC) drilling. NeoDys have an existing Queensland Government Collaborative Exploration Initiative funding agreement for $150,000, available for Basin to support upcoming drilling programs.

The drill-ready, district scale targets include:

- ***Paleochannel roll front uranium (1)***
- ***Sediment and ionic clay hosted rare earth elements (2)***
- ***Hard rock, granite hosted rare earth elements (3)***

In addition to these three district-scale targets, the project area contains multiple shear-hosted Valhalla-style uranium targets defined for immediate assessment.

The primary model is based on mineralisation sourced from the various granites of the Sybella Batholith ("the Sybella"), a large north-south trending igneous body containing zones enriched in rare earth elements. This includes the Red Metal (ASX:RDM) Sybella Discovery with a recent JORC inferred resource estimate of **4.795 Bt at 302 ppm NdPr, 28 ppm DyTb** (200 ppm NdPr cut-off) or **209 Mt at 377 ppm NdPr, 34 ppm DyTb** (360 ppm NdPr cut-off) [1]. The Sybella granites are also uranium rich, potentially being the source of Paladin Energy's (ASX:PDN) Valhalla deposits[2].

Terms of the Share Placement

The Company has received firm commitments to raise $1.25 million, by way of a two-tranche share placement ("Placement") of 50 million shares at an issue price of $0.025 per share. The Placement price represents the Company's last market close price, and a 9.1% premium to the 20-day VWAP. Tranche two will be subject to a general meeting, to be called shortly and expected in early October.

The offer was significantly oversubscribed, with proceeds to be allocated as follows:

- Air core drilling on the Barkly Tablelands uranium and REE targets
- RC drilling at the Newmans Bore granite-hosted REE target
- Mapping and sampling of the West Valhalla Radiometric targets
- General working capital.

The Placement was managed internally and was not subject to broker fees.

Sediment Hosted Potential

The projects cover an extensive portion of the Sybella Batholith, deemed prospective for granite-hosted REE, as well as a significant landholding west of the Sybella, known as the Barkly Tablelands. The Barkly Tablelands are regarded as prospective for sediment-hosted mineralisation and were surveyed with airborne electromagnetics ("AEM") by Summit Resources in February 2007, prior to its acquisition by Paladin Energy. Whilst numerous targets were identified, no drilling was completed at the time. Current drainage patterns data indicate that the sediments forming the Barkly Tablelands are sourced from the Sybella Batholith. While historical drilling in the region has focused on deeper base metal targets, phosphate potential and agricultural water bores, no drilling has targeted the uranium and rare earth potential.

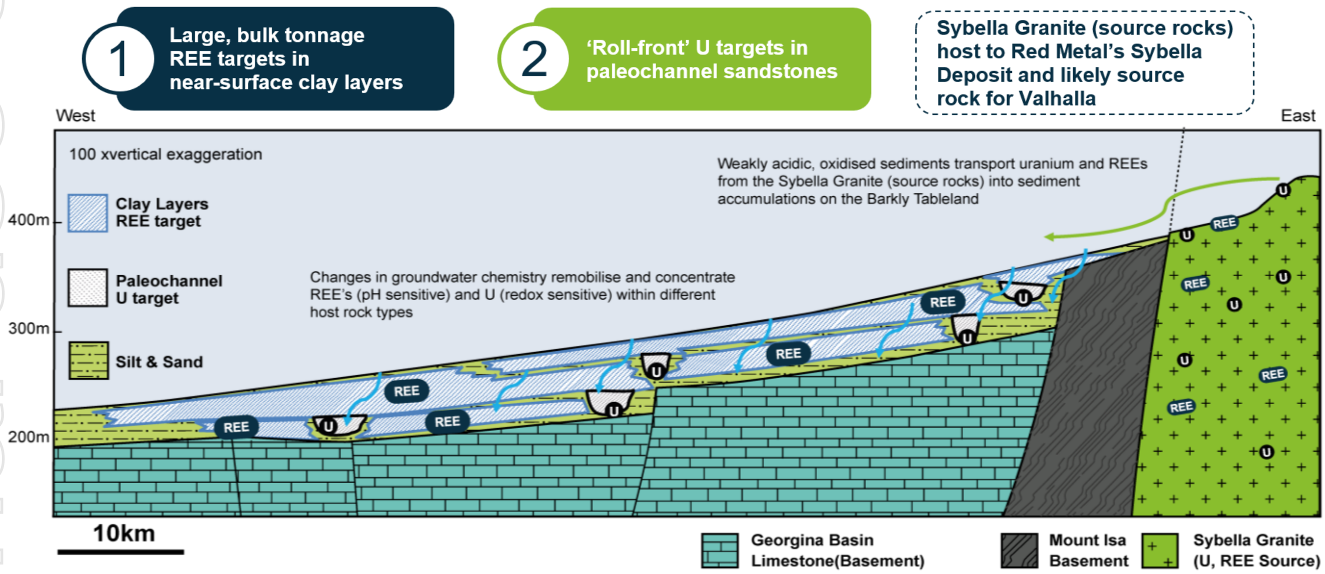

Figure 2 – Prospective target concepts [3]

Paleochannel Roll Front Uranium Potential – District Scale Target 1

The Summit Resources AEM survey identified a stacked sequence of paleochannels within the Barkly Tablelands, fed from the Sybella Batholith, refer figures 3 & 5. This network is trending southerly, where no further AEM data exists.

Uranium content within the Sybella varies between the different phases of granites, as can be seen in the regional ternary radiometric image and supported by regional rock chip data, refer figure 3 and appendix 4 & 5. Academic research also indicates that these "hot" granites are the source for the Valhalla uranium deposits. [3]

Furthermore, historical drilling recorded redox fronts, sandstone channels and impermeable cap rocks however no radiometric data was collected, and uranium was not assayed for [4], [5].

Using the Sybella rocks that likely formed the source for the Valhalla deposits, Basin will target the potential for uranium to have also been mobilised from the Sybella granites, through the extensive paleochannel network identified which appears to have suitable geological host characteristics. Targeting work was completed by Summit Resources and Fugro to prioritise these interpreted channels. Basin plans to complete a first pass aircore drilling program to delineate this potential in Q4 2025.

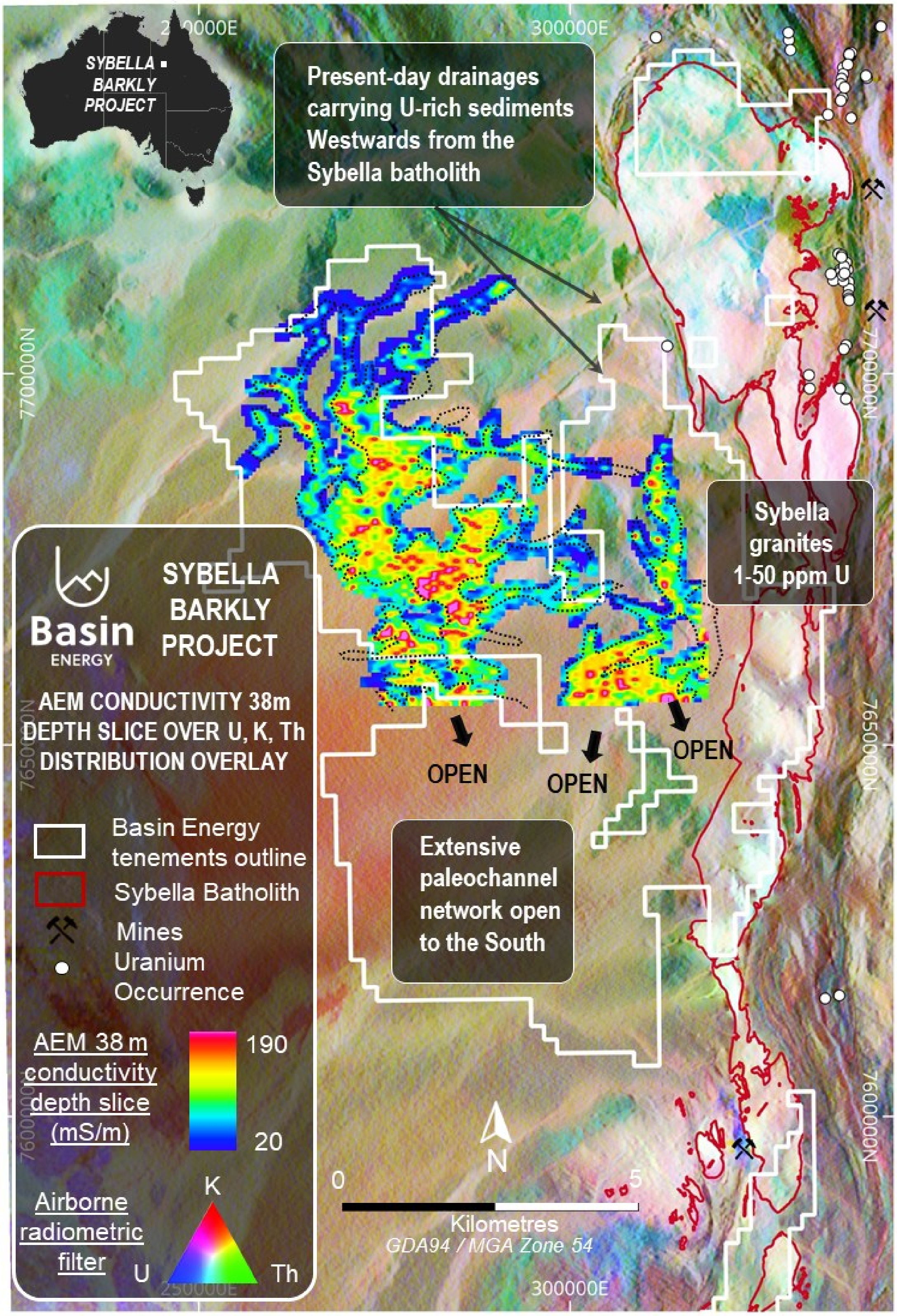

Figure 3 – Ternary radiometrics and AEM conductivity depth slice (paleochannels are projected to surface)

Sediment and Ionic Clay Hosted REE Potential – District Scale Target 2

NeoDys compiled and expanded on Geoscience Australia's surface geochemistry samples. Results of this indicate significant mobilisation of rare earth elements into the Barkly Tablelands from the Sybella Batholith. Surface sediment samples were reported exceeding 653 ppm TREO in soil sample sbs033, forming a regionally significant anomaly, refer figure 4. The highest of these values are within catchments draining from Red Metal's Sybella Discovery. For full assay results, refer to appendix 3, 4 & 5.

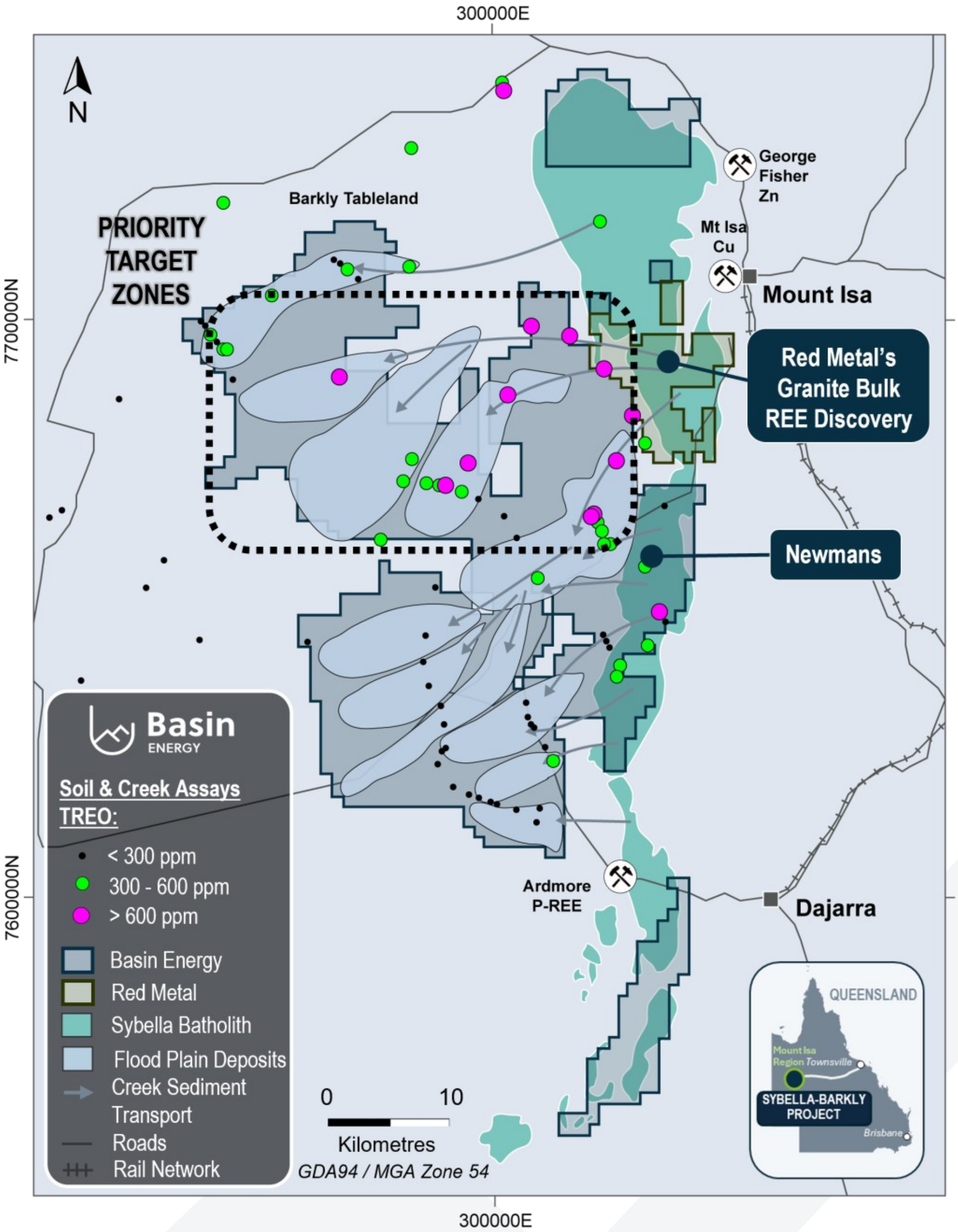

Figure 4 – Sediment-hosted REEs and target zones

The Summit Resources AEM survey not only outlines an interpreted extensive paleochannel network but also highlights a conductive layer within the Barkly Tablelands sediment package directly beneath this geochemical anomaly, approximately 12 metres thick from 20 to 32 metres depth with a footprint of over 1,000 km^2. This conductive layer could represent a clay unit, produced from the extensive weathering of the Sybella granites and be prospective for clay-hosted REE, refer figure 5.

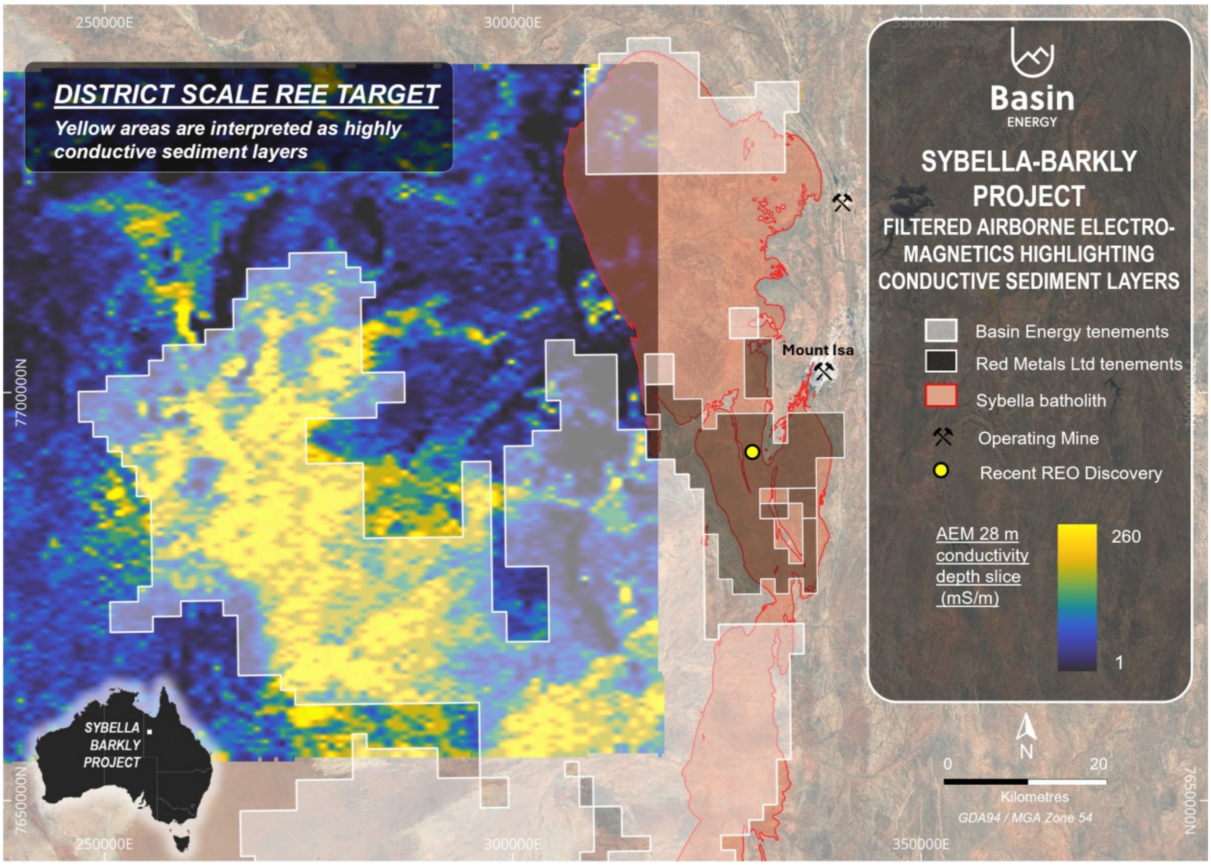

Figure 5 – AEM outlining laterally extensive conductive sediment target

Granite Hosted REE Potential – District Scale Target 3

The various granites that make up the Sybella contain zones of enriched REEs, including the Red Metal (ASX:RDM) owned Sybella Discovery.

A shallow proof of concept auger drill hole program was completed in 2023 on the project area which demonstrated the presence of anomalous REEs at the Newmans, Eight Mile and Threeways prospects, refer figure 6. A total of 82 auger holes were completed, several of which were never assayed, refer to Appendix 2 and 3 for full collar and assay details.

The most encouraging results from the auger drilling at Newmans Bore reported at over 0.5 m at >1000 ppm TREO, including:

- SYAH23-020 – **5.0 m @ 1,951 ppm TREO** with 578 ppm Nd+Pr oxide combined (including 3 m @ 705 ppm) from 4 m **to end of hole**
- SYAH23-006 – **2.5 m @ 1,343 ppm TREO** with 248 ppm Nd+Pr oxide combined from 5 m to **end of hole**
- SYAH23-018 – **0.5 m @ 1,996 ppm TREO** with 465 ppm Nd+Pr oxide combined from 2 m to **end of hole**
- SYAH23-131 – **2.6 m @ 1,535 ppm TREO** with 329 ppm Nd+Pr oxide combined from 3 m to **end of hole**

These results are very significant, considering all were reported to the end of holes (auger drilling refusal), and the analogy in the geochemical anomaly of the Red Metal's Sybella deposit, refer figure 7.

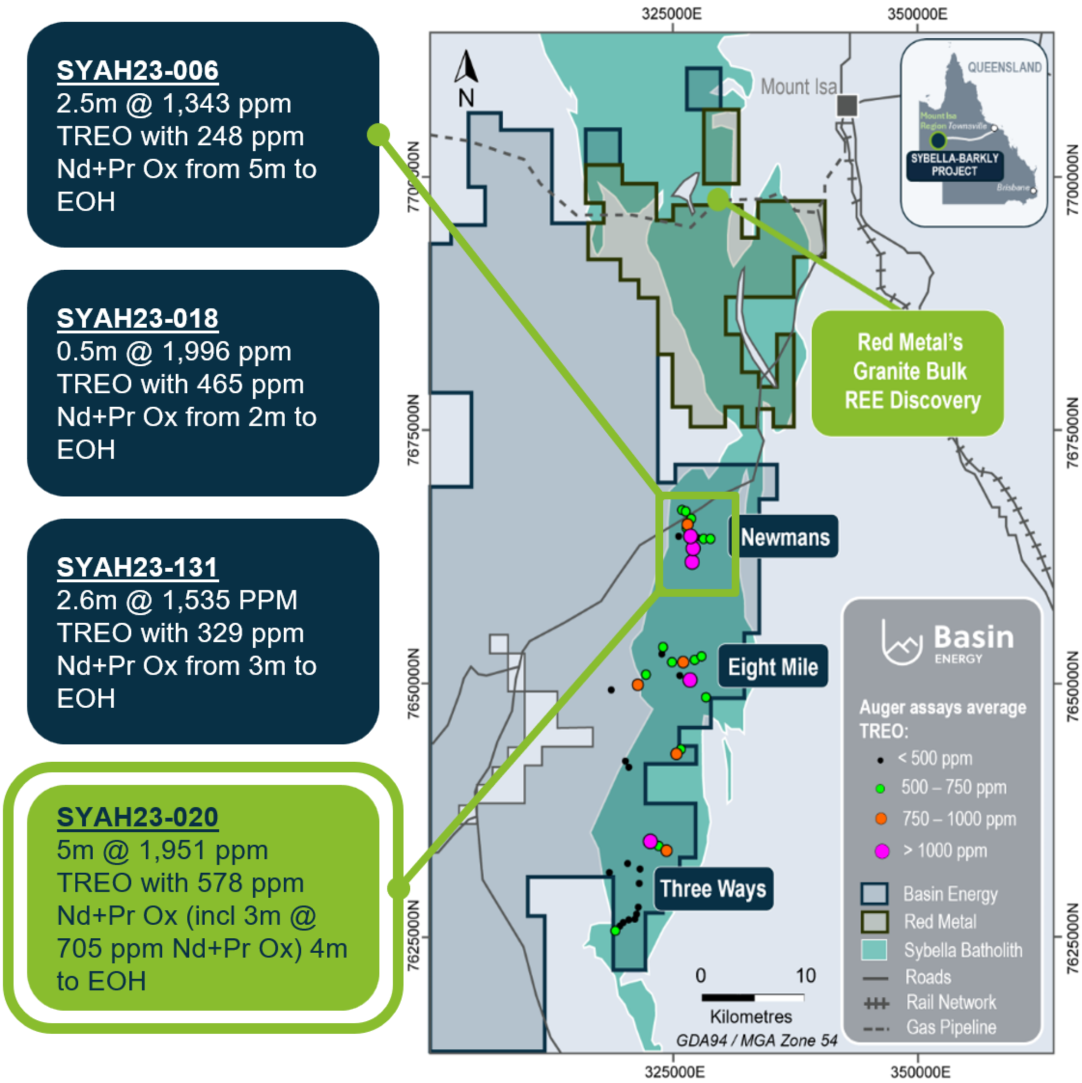

Figure 6 – Auger drilling completed by NeoDys, with highlights from Newmans Bore

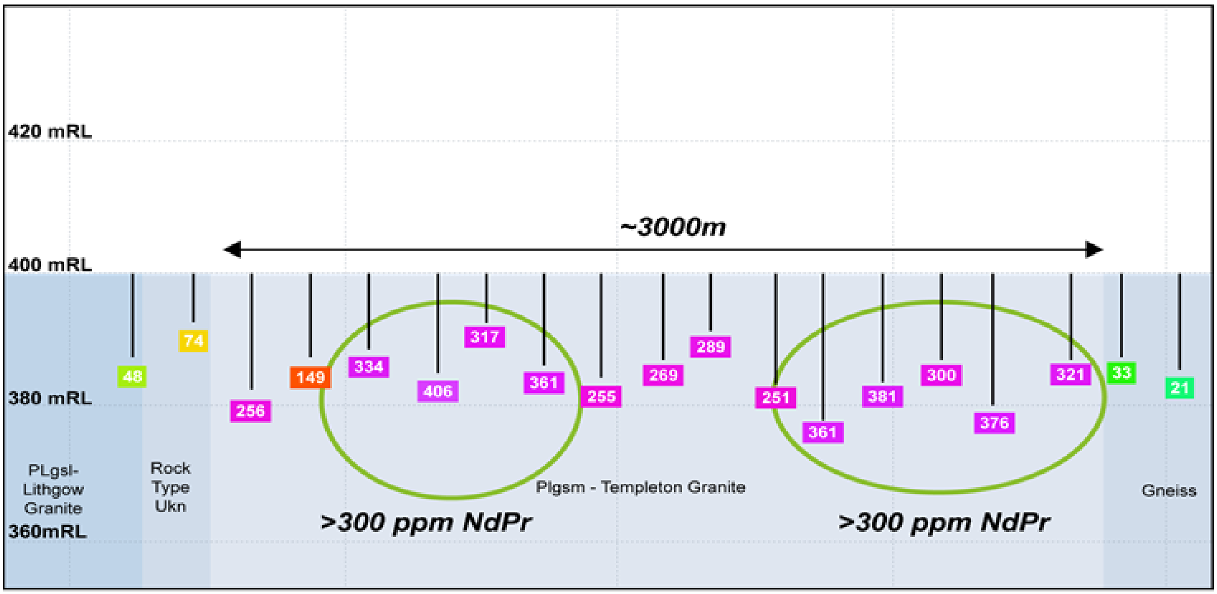

Figure 7 – Red Metals Discovery REE anomaly [6]

Red metals utilised RC drilling to test beneath this anomaly and identified broad zones of rare earth anomalism forming the Sybella discovery. NeoDys auger drilling across the project has defined similar levels of rare earth anomalism and scale as shown below in figure 8.

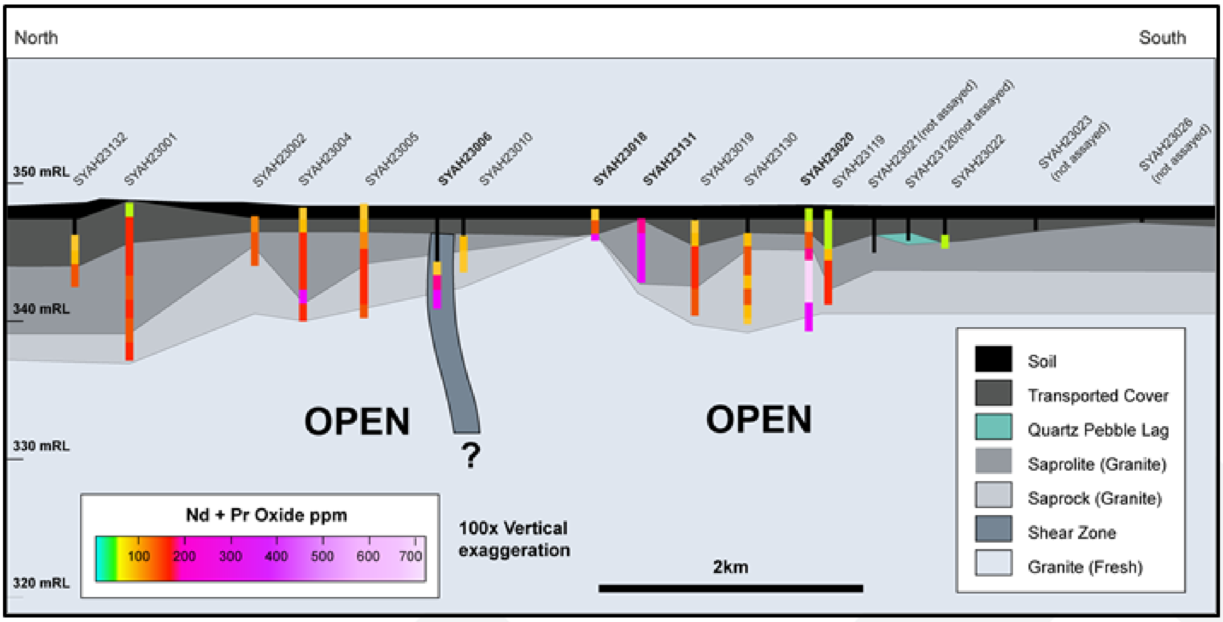

Figure 8 – Stylised section of NeoDys Newmans Bore auger drilling

The next phase for Basin will be to conduct deeper RC drilling to test potential continuity of these anomalies. Drilling is proposed for Q4 2025.

Hard Rock Sheer Hosted Uranium Valhalla Style Targets

In addition to the three district scale targets, Basin interprets that there is significant potential for Valhalla-style shear zone-hosted uranium targets within the north of Basin's license EPM 28252. Filtering airborne radiometric data to highlight the alteration sequence of other known uranium deposits in the area identifies several significant radiometric anomalies that are present crossing the Sybella granite and through the Cromwell metabasalt. Analogies can be drawn with similar structural and geological settings with Paladin Energy's Mount Isa (Valhalla) project, which contains 148.4 Mlbs of U_3O_8 at 728 ppm, and a combined 116 Mlbs within the Valhalla, Odin and Skal resources located around 7 km to the east of Basin's license EPM 28252; refer figure 9. [2]

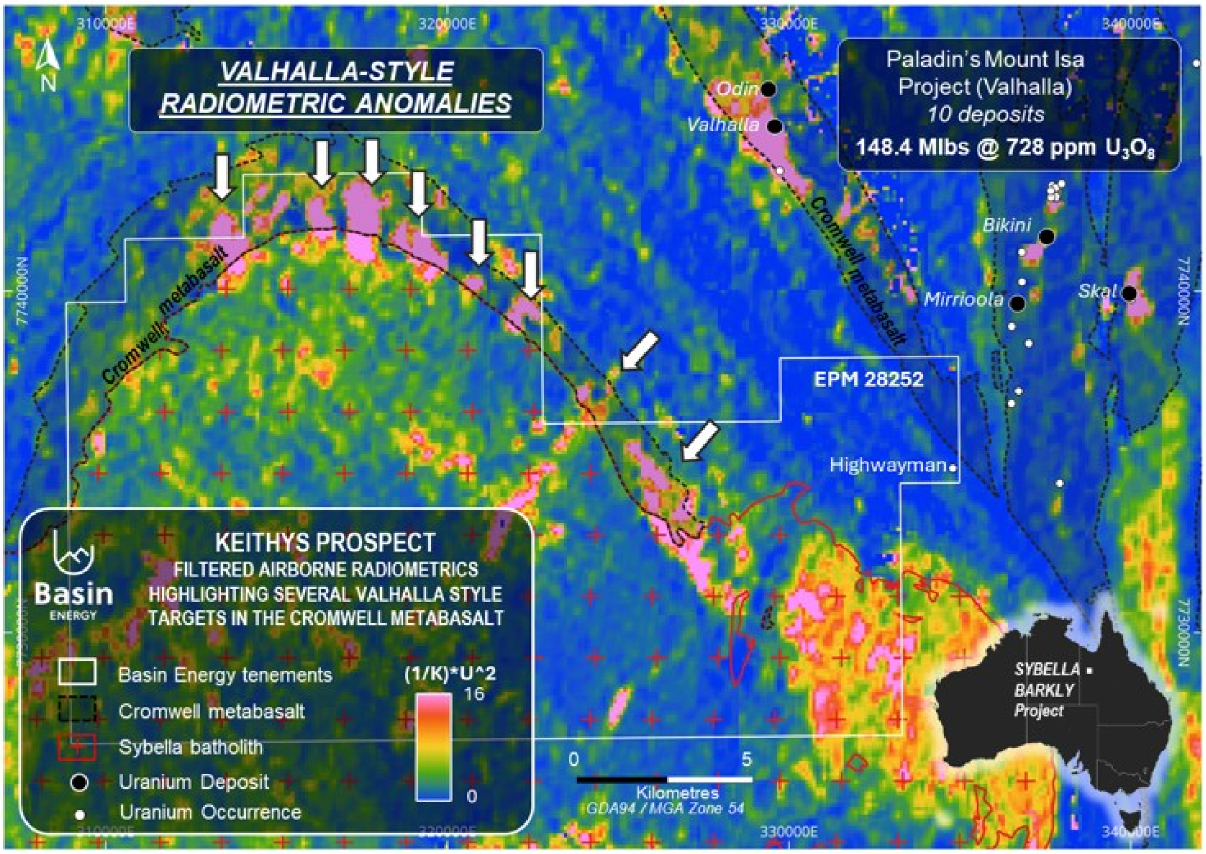

Figure 9 – Filtered airborne radiometric data (isolating high-U, low-K rocks) highlighting several potential Valhalla-style shear zone targets in the Cromwell Metabasalt and the adjacent Sybella Batholith

Terms of the Acquisition

The company has entered into a binding agreement to acquire 100% of the issued capital of NeoDys, a privately held critical minerals explorer with a dominant land position in the Mount Isa region of northwest Queensland for the following consideration.

(a) **Shares:** The issue of 18,479,694 fully paid shares in the capital of Basin
(b) **Options**: The issue of 15,000,000 options to acquire shares in Basin as follows: (i) 7,500,000 options exercisable at 5 cents; and (ii) 7,500,000 options exercisable at 10 cents.
(c) **Performance Rights:** The issue of 45,000,000 performance rights in three tranches, which will vest and become convertible into Basin shares upon the satisfaction of the following performance hurdles:
   (i) Tranche 1: Basin announcing a drill intersection within the project on alluvial plains of either: (i) >15 m at 1700 ppm TREO; or (ii) >10 m at 1000 ppm U_3O_8, in each case within 12 months of completion of the Acquisition (or GT equivalent).
   (ii) Tranche 2: Basin announcing delineation of either: (i) JORC compliant 500 Mt REE resource at >=1,700 ppm TREO (or tonnage / REE basket with equivalent MRE value) at 200 ppm NdPr cut-off grade within the project; or (ii) delineation of a JORC compliant 30 Mlbs U_3O_8 resource at 200 ppm U_3O_8 cut-off grade within the project, in each case within 36 months of completion of the Acquisition.
   (iii) Tranche 3: Basin achieving a market capitalisation of >A$30m as at the close of trading over a consecutive 20 trading day period within 36 months of completion of the Acquisition.
(d) **Royalty:** A 1.25% net smelter returns royalty.

Completion of the proposed acquisition will be subject to shareholder approval, at a general meeting to be called shortly and expected to be held in early October 2025.

Source References

[1] redmetal.com.au/wp-content/uploads/2024/10/RDM_ASX_Sybella_REE_Maiden_Resource_final.pdf
[2]www.paladinenergy.com.au/wp-content/uploads/2024/09/Paladin_2024AnnualReport_Web_SinglePage_Interactive74.pdf
[3] McGloin, M. V., Tomkins, A. G., Webb, G. P., Spiers, K., MacRae, C. M., Paterson, D., & Ryan, C. G. (2016). Release of uranium from highly radiogenic zircon through metamictization: The source of orogenic uranium ores. Geology, 44(1), 15-18
[4] CR23537 - EPM 7861, Oban, Yaringa project, Annual report for period ending 21/5/1992, BHP Minerals Limited
[5] CR5593 - EPM 903, 969-972, Combined final report (903)(2) (portion relinquished), (portion relinquished) (969-972), Qld Phosphate Ltd
[6] Red Metal Presentation: Sybella REO Discovery, A potential new source of the critical rare earths neodymium and praseodymium in Northwest Queensland Sept 2023
[7] Refer Basin Energy ASX release dated 26th September 2024, Annual Report to Shareholders

This announcement has been approved for release by the Board of Basin Energy.

Enquiries

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Company Overview

About Basin Energy

Basin Energy (ASX: **BSN**) is a green energy metals exploration and development company with an interest in three highly prospective uranium projects positioned in the southeast corner and margins of the world-renowned Athabasca Basin in Canada, and 100% ownership in significant portfolios of uranium-green energy metals exploration assets located in Scandinavia and uranium-REE assets west of Mount Isa in Queensland, Australia.

Directors & Management

Pete Moorhouse	**Managing Director**
Blake Steele	**Non-executive Chairman**
Cory Belyk	**Non-executive Director**
Matthew O'Kane	**Non-executive Director**
Ben Donovan	**Company Secretary**
Odile Maufrais	**Exploration Manager**

Basin Energy
ACN 655 515 110

Shares on Issue
122,829,314

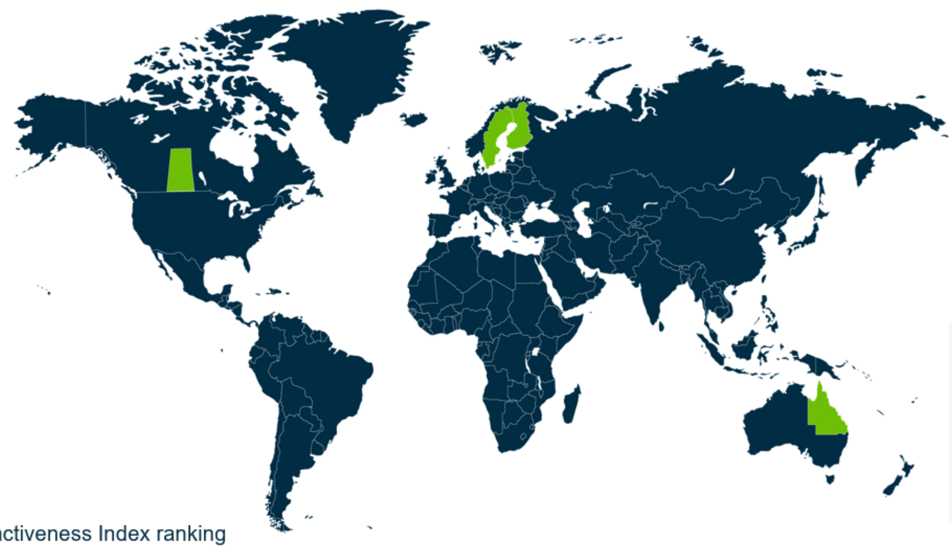
ASX Code
BSN

Investment Highlights

QUEENSLAND (39*)
District scale exploration for REE and Uranium

SWEDEN (6*)
FINLAND (1*)
Green Energy Metals
Projects within historical uranium & base metal districts

CANADA (7*)
ATHABASCA BASIN
3 Uranium Projects in the worlds premier uranium district



*2024 Fraser Institute Investment Attractiveness Index ranking

Appendix 1

Competent Persons Statement, Resource Figure Notes and Forward-Looking Statement

The information in this announcement that relates to previous exploration results was first reported by the Company in accordance with ASX listing rule 5.7 in the following Company ASX market releases.

Exploration Results

The information related to the reporting of Exploration Results included within this release is a fair representation of available information compiled by Jeremy Clark, a competent person who is a Member of the Australasian Institute of Geoscientists. Jeremy is the sole director of Lily Valley International Pty. Ltd working as a consultant of Basin, has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 edition of the Australasian Code of Reporting of Exploration Results, Mineral Resources and Ore Reserves. Jeremy consents to the inclusion in this release of the matters based on his work in the form and context in which it appears. Jeremy is a shareholder of the Company as previously disclosed by Basin's 2024 annual report.

This announcement includes certain "Forward-looking Statements". The words "forecast", "estimate", "like", "anticipate", "project", "opinion", "should", "could", "may", "target" and other similar expressions are intended to identify forward looking statements. All statements, other than statements of historical fact, included herein, including without limitation, statements regarding forecast cash flows and future expansion plans and development objectives of Basin Energy involve various risks and uncertainties. There can be no assurance that such statements will prove to be accurate and actual results and future events could differ materially from those anticipated in such statements.

Appendix 2

Collar information of NeoDys' 2023 shallow, wide-spaced, "proof of concept" auger drilling program. A total of 82 auger holes were drilled across the central part of the Sybella Batholith.

The collar positions were surveyed by handheld GPS using GDA94, Zone 54 datum (accuracy estimated at 3-6 m).

Auger Hole ID	Easting	Northing	Elevation	Length (m)	Logged	Assayed	EoH lithology
SYAH23001	326270	7666943	345	11.2	Y	Y	granite saprock
SYAH23002	326709	7666159	344	4.5	Y	Y	granite saprock
SYAH23003	324638	7665607	339	5.9	Y	N	shale
SYAH23004	326576	7665769	342	8.2	Y	Y	mica schist
SYAH23005	326559	7665278	342	8	Y	Y	granite saprock
SYAH23006	326829	7664798	341	7.5	Y	Y	mica schist
SYAH23007	323991	7664606	336	4	Y	N	transported cover
SYAH23008	325684	7664575	338	5.7	Y	Y	granite saprock
SYAH23009	324756	7664553	336	5.8	Y	Y	shale
SYAH23010	326514	7664551	339	4.5	Y	Y	granite saprock
SYAH23011	327614	7664432	344	4.6	Y	Y	granite saprock
SYAH23012	328156	7664434	347	6.9	Y	Y	granite saprock
SYAH23013	328895	7664402	353	8.7	Y	Y	granite saprock
SYAH23018	326934	7663641	341	2.5	Y	Y	granite saprock
SYAH23019	327005	7662910	341	8.1	Y	Y	granite saprock
SYAH23020	327002	7662083	342	9	Y	Y	granite saprock
SYAH23021	326958	7661615	342	3.4	Y	N	granite saprock
SYAH23022	326866	7661135	341	2.5	Y	Y	transported cover
SYAH23023	326801	7660520	342	1.7	Y	N	transported cover
SYAH23026	326809	7659817	343	1.2	Y	N	transported cover
SYAH23028	325843	7658074	338	4.5	Y	Y	transported cover
SYAH23039	323984	7653592	334	15	Y	Y	granite saprock
SYAH23040	323894	7652931	333	3.3	Y	Y	mica schist
SYAH23041	327851	7652786	351	7.8	Y	Y	granite saprock
SYAH23043	327215	7652359	351	7.6	Y	Y	granite saprock
SYAH23044	322643	7652336	329	2.7	Y	N	transported cover
SYAH23045	326009	7652213	342	9.5	Y	Y	granite saprock
SYAH23046	324923	7652103	336	4.8	Y	Y	granite saprock
SYAH23047	322224	7651567	327	4.6	Y	Y	transported cover
SYAH23048	323953	7651430	332	2	Y	N	transported cover
SYAH23050	324664	7651101	333	5	Y	N	granite saprock
SYAH23052	321229	7650998	325	3.1	Y	Y	transported cover
SYAH23053	322235	7650852	327	15.3	Y	Y	granite saprock
SYAH23054	325761	7650655	338	5.8	Y	Y	granite saprock
SYAH23055	326707	7650341	342	5	Y	Y	granite saprock
SYAH23056	319774	7650138	321	5.3	Y	Y	transported cover
SYAH23058	321461	7649951	330	18	Y	Y	mica schist

SYAH23059	318701	7649458	319	4.4	Y	Y	granite saprock
SYAH23060	320542	7648869	325	3.6	Y	N	transported cover
SYAH23061	328319	7648865	347	3.4	Y	Y	granite saprock
SYAH23062	328460	7648699	348	7.6	Y	Y	granite saprock
SYAH23064	319636	7647806	323	4	Y	N	transported cover
SYAH23065	325905	7643806	328	1	Y	N	transported cover
SYAH23066	325691	7643493	326	5.6	Y	Y	granite saprock
SYAH23067	319527	7643437	310	3.6	Y	Y	transported cover
SYAH23068	319805	7642972	311	5.3	Y	N	transported cover
SYAH23069	325373	7643015	322	4	Y	N	granite saprock
SYAH23070	320552	7642978	312	5.8	Y	N	transported cover
SYAH23071	320147	7642424	312	4.5	Y	Y	granite saprock
SYAH23072	320872	7642377	313	4.4	Y	N	transported cover
SYAH23073	325054	7642371	320	2.6	Y	N	transported cover
SYAH23074	321442	7642011	314	4	Y	N	transported cover
SYAH23075	320511	7641807	315	5.7	Y	Y	granite saprock
SYAH23076	321930	7641753	316	4.2	Y	N	transported cover
SYAH23077	321362	7640467	315	1.6	Y	N	transported cover
SYAH23078	322014	7639432	310	4.7	Y	N	granite saprock
SYAH23084	322381	7636374	306	3	Y	N	transported cover
SYAH23087	322262	7635675	306	3.1	Y	N	transported cover
SYAH23092	322954	7634289	304	5	Y	Y	granite saprock
SYAH23093	323524	7633969	306	0.7	Y	Y	granite saprock
SYAH23094	323969	7633745	310	6	Y	Y	granite saprock
SYAH23095	324312	7633543	310	12	Y	Y	granite saprock
SYAH23098	320355	7632277	299	3.9	Y	Y	granite saprock
SYAH23099	321649	7631697	306	1.6	Y	Y	granite saprock
SYAH23100	318491	7631345	294	4.4	Y	Y	granite saprock
SYAH23101	321606	7631191	308	2.8	Y	N	granite saprock
SYAH23102	318182	7631038	293	3.7	Y	Y	granite saprock
SYAH23103	321597	7630778	308	1	Y	N	transported cover
SYAH23104	321570	7630294	322	4	Y	Y	granite saprock
SYAH23106	321409	7627868	316	2.3	Y	Y	granite saprock
SYAH23109	321399	7627565	321	7	Y	Y	granite saprock
SYAH23111	321396	7627221	321	3.9	Y	Y	granite saprock
SYAH23112	320980	7626780	311	3.7	Y	Y	granite saprock
SYAH23113	320293	7626678	313	2.9	Y	Y	granite saprock
SYAH23114	319951	7626539	311	1.6	Y	Y	granite saprock
SYAH23115	319543	7626118	312	6	Y	Y	granite saprock
SYAH23116	319181	7625780	305	3	Y	Y	granite saprock
SYAH23119	326980	7661962	341	7	Y	Y	granite saprock
SYAH23120	326924	7661374	343	2.6	Y	N	granite saprock
SYAH23130	327009	7662519	341	8.5	Y	Y	granite saprock
SYAH23131	327007	7663308	342	5.6	Y	Y	granite saprock
SYAH23132	325893	7667154	342	5.4	Y	Y	granite saprock

Appendix 3

Assay information of NeoDys’ 2023 shallow, wide-spaced, “proof of concept” auger drilling program. A total of 294 samples were taken for geochemical assay across the 82 auger holes.

Hole No	From (m)	To (m)	Interval (m)	Sample No	La2O3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	U3O8
SYAH23001	0	1	1	SYAS230003	52	133	10	31	5.4	0.9	4.4	0.7	4.7	1.0	3.1	0.5	2.9	0.5	28	3.3
SYAH23001	1	2	1	SYAS230004	203	286	34	110	15.0	1.9	12.2	1.9	10.5	2.1	5.9	0.8	5.6	0.8	71	4.6
SYAH23001	2	3	1	SYAS230005	209	362	38	120	17.8	1.9	13.9	2.1	12.3	2.6	7.2	1.1	7.4	1.1	85	7.0
SYAH23001	3	4	1	SYAS230006	168	316	32	91	13.6	1.7	10.8	1.6	9.4	2.0	5.5	0.8	5.4	0.8	62	5.7
SYAH23001	4	5	1	SYAS230007	185	350	37	103	15.1	1.6	12.3	1.9	11.1	2.2	6.6	1.0	6.0	1.0	77	6.5
SYAH23001	5	6	1	SYAS230008	151	286	29	82	12.6	1.5	10.4	1.5	9.0	1.8	4.9	0.8	5.1	0.7	57	6.0
SYAH23001	6	7	1	SYAS230009	144	280	27	84	13.3	1.4	10.2	1.6	9.4	1.8	5.6	0.8	5.1	0.8	57	5.4
SYAH23001	7	8	1	SYAS230010	154	291	29	91	14.8	1.5	10.9	1.7	10.1	2.0	6.2	0.9	5.5	0.9	65	5.7
SYAH23001	8	9	1	SYAS230011	140	262	26	81	13.2	1.6	10.2	1.5	9.6	2.0	6.1	0.9	5.9	0.9	66	6.2
SYAH23001	9	10	1	SYAS230012	134	254	25	81	11.6	1.6	9.7	1.5	9.4	1.8	5.7	0.8	5.2	0.8	61	6.1
SYAH23001	10	11	1	SYAS230013	152	295	29	90	14.7	1.6	11.4	1.7	10.4	2.1	6.0	0.9	6.2	0.9	67	6.0
SYAH23001	11	11.2	0.2	SYAS230014	148	279	28	85	13.4	1.5	10.3	1.6	10.0	1.9	6.0	0.8	5.6	0.8	63	5.9
SYAH23002	1	2	1	SYAS230291	134	166	22	69	10.2	1.7	8.3	1.3	7.1	1.5	4.0	0.6	3.8	0.6	50	2.8
SYAH23002	2	3	1	SYAS230292	148	238	26	82	12.5	1.8	10.4	1.5	9.0	1.9	5.1	0.8	4.9	0.7	62	2.9
SYAH23002	3	4	1	SYAS230293	155	271	27	87	13.0	1.5	10.9	1.6	9.6	2.0	5.7	0.8	5.4	0.7	63	5.0
SYAH23002	4	4.5	0.5	SYAS230294	150	270	27	85	13.7	1.7	11.0	1.8	10.1	2.1	5.7	0.9	5.9	0.8	63	6.2
SYAH23004	0	1	1	SYAS230015	63	117	13	46	7.5	1.7	6.9	1.2	6.1	1.4	3.6	0.5	3.6	0.6	44	3.1
SYAH23004	1	2	1	SYAS230017	79	138	16	54	9.0	1.6	8.0	1.2	7.0	1.5	4.5	0.6	3.8	0.6	47	3.1
SYAH23004	2	3	1	SYAS230018	176	299	31	99	14.7	1.9	11.6	1.7	10.3	2.0	5.6	0.8	4.6	0.7	66	4.5
SYAH23004	3	4	1	SYAS230194	174	322	33	101	15.5	1.9	11.9	2.0	12.3	2.7	8.6	1.3	8.1	1.2	89	7.7
SYAH23004	4	5	1	SYAS230019	169	323	31	102	15.4	1.8	11.8	1.8	10.7	2.3	6.2	0.9	5.6	0.9	69	6.5
SYAH23004	5	6	1	SYAS230020	160	303	30	96	15.4	1.7	11.5	1.6	10.7	2.2	6.3	0.9	5.6	0.8	67	8.0
SYAH23004	6	7	1	SYAS230021	243	468	46	146	22.3	2.6	14.5	1.9	10.2	1.9	5.6	0.8	5.0	0.7	61	9.4
SYAH23004	7	8	1	SYAS230022	178	344	33	106	16.5	1.9	11.8	1.8	10.6	2.0	5.5	0.7	5.1	0.8	63	8.0
SYAH23004	8	8.2	0.2	SYAS230023	136	268	27	85	14.0	1.6	11.3	1.7	11.2	2.3	6.7	1.0	6.1	0.9	73	6.7
SYAH23005	0	1	1	SYAS230024	58	115	13	44	8.8	1.6	7.1	1.0	6.3	1.4	3.5	0.6	4.0	0.6	42	2.4
SYAH23005	1	2	1	SYAS230025	73	127	15	52	9.0	1.6	7.6	1.2	7.2	1.4	4.2	0.6	3.8	0.6	48	2.8
SYAH23005	2	3	1	SYAS230026	106	189	21	69	11.0	1.7	9.4	1.4	8.7	1.7	4.9	0.7	4.5	0.7	56	3.2
SYAH23005	3	4	1	SYAS230027	136	258	27	88	13.2	1.8	11.2	1.7	10.2	2.0	6.0	0.8	5.2	0.9	65	4.9
SYAH23005	4	5	1	SYAS230028	142	283	29	93	16.4	2.0	12.6	1.9	11.6	2.4	7.0	1.0	6.0	0.9	70	5.5
SYAH23005	5	6	1	SYAS230214	149	285	29	93	14.3	2.0	11.8	1.7	10.9	2.2	6.4	0.9	5.6	0.8	70	5.6
SYAH23005	6	7	1	SYAS230215	155	296	30	100	15.8	2.0	12.2	1.9	11.2	2.3	7.0	0.9	6.0	0.9	71	5.4
SYAH23005	7	8	1	SYAS230216	129	242	25	81	12.6	1.9	10.1	1.7	9.5	1.9	5.4	0.7	5.1	0.7	56	4.8
SYAH23006	4	5	1	SYAS230029	70	98	14	43	6.5	1.1	5.9	0.8	4.5	1.0	2.7	0.3	2.2	0.3	30	3.4
SYAH23006	5	6	1	SYAS230030	208	468	40	136	24.0	3.1	21.7	3.3	20.7	4.1	12.3	1.7	10.8	1.5	141	7.4
SYAH23006	6	7	1	SYAS230032	317	537	64	216	35.3	4.2	28.7	4.3	27.1	5.7	16.5	2.5	15.0	2.3	197	8.8
SYAH23006	7	7.5	0.5	SYAS230033	313	512	65	225	37.5	4.5	30.8	5.0	31.6	6.8	20.6	2.9	17.6	2.8	229	9.6
SYAH23008	2	3	1	SYAS230034	36	101	8	28	4.6	0.9	4.3	0.6	4.2	0.9	2.6	0.4	2.5	0.4	26	1.8
SYAH23008	3	4	1	SYAS230035	63	150	12	40	7.4	1.2	5.5	0.9	5.4	1.1	3.1	0.5	3.1	0.4	33	2.5
SYAH23008	4	5	1	SYAS230036	116	222	23	76	12.7	1.7	10.1	1.5	9.0	1.8	5.2	0.8	4.9	0.7	55	4.4
SYAH23008	5	5.7	0.7	SYAS230037	127	220	23	78	13.6	1.9	11.2	1.6	10.2	1.9	5.5	0.8	5.1	0.7	58	5.1
SYAH23009	2	3	1	SYAS230038	59	121	13	49	8.7	1.7	8.3	1.2	8.0	1.6	4.5	0.6	4.5	0.7	47	3.8
SYAH23009	3	4	1	SYAS230039	41	82	9	33	6.3	1.3	5.8	0.8	5.0	1.0	3.1	0.4	3.1	0.5	33	3.5
SYAH23009	4	5.8	1.8	SYAS230040	34	68	8	28	5.4	1.2	5.0	0.8	4.6	0.9	2.7	0.4	2.7	0.4	27	3.3
SYAH23010	2	3	1	SYAS230041	87	173	18	58	10.1	1.2	7.6	1.1	6.5	1.2	3.1	0.5	2.7	0.4	33	2.8
SYAH23010	3	4	1	SYAS230044	73	142	14	46	7.2	1.0	5.4	0.8	4.2	0.7	2.1	0.2	1.9	0.3	22	2.6
SYAH23010	4	4.5	0.5	SYAS230045	73	136	14	48	7.9	0.9	5.6	0.8	4.6	0.8	2.3	0.3	1.9	0.3	23	3.6
SYAH23011	3	4	1	SYAS230047	86	158	17	56	8.8	1.3	6.3	1.0	5.5	1.2	3.1	0.5	3.2	0.4	34	5.5
SYAH23011	4	4.6	0.6	SYAS230048	117	217	22	72	11.7	1.3	8.7	1.3	8.0	1.6	4.5	0.7	4.4	0.6	49	6.6
SYAH23012	0	1	1	SYAS230049	53	189	10	35	5.7	1.0	4.9	0.8	4.9	1.0	3.1	0.4	3.2	0.5	30	3.0
SYAH23012	2	3	1	SYAS230050	191	311	34	109	15.8	1.9	12.6	1.7	9.8	2.0	5.5	0.8	4.9	0.9	62	5.7

SYAH23012	4	5	1	SYAS230051	137	254	25	82	13.5	1.6	10.1	1.6	9.8	2.0	5.5	0.8	5.5	0.8	61	4.6
SYAH23012	6	6.9	0.9	SYAS230052	159	312	30	93	14.3	1.7	11.1	1.6	9.8	2.0	5.4	0.8	5.3	0.8	61	5.5
SYAH23013	1	2	1	SYAS230053	184	267	32	105	16.7	1.9	13.1	1.9	11.4	2.1	6.5	0.9	5.6	0.8	74	4.2
SYAH23013	3	4	1	SYAS230054	124	228	23	78	13.9	1.7	10.3	1.6	9.3	2.0	5.8	0.8	5.4	0.9	60	4.1
SYAH23013	5	6	1	SYAS230055	109	200	21	65	11.8	1.5	10.0	1.4	9.5	2.1	5.9	0.9	6.3	0.9	64	3.6
SYAH23013	7	8.7	1.7	SYAS230056	111	206	21	69	11.4	1.4	8.9	1.5	9.7	2.0	6.1	1.0	5.9	1.0	61	4.8
SYAH23018	0	1	1	SYAS230057	55	105	12	41	7.2	1.3	6.3	1.0	5.9	1.3	3.6	0.5	3.6	0.5	37	3.1
SYAH23018	1	2	1	SYAS230058	109	157	22	75	12.4	1.8	9.7	1.4	7.8	1.5	4.3	0.6	3.2	0.5	44	3.3
SYAH23018	2	2.5	0.5	SYAS230059	556	725	110	356	55.2	6.4	36.4	4.9	24.2	4.1	9.6	1.2	7.1	1.1	108	13.3
SYAH23019	1	2	1	SYAS230195	57	175	13	45	8.6	1.6	6.6	1.2	6.8	1.4	4.2	0.6	4.0	0.6	39	3.6
SYAH23019	2	3	1	SYAS230060	104	139	22	68	11.6	2.1	10.7	1.5	8.8	1.9	5.5	0.8	5.0	0.8	66	3.8
SYAH23019	3	4	1	SYAS230197	128	150	26	93	16.0	2.5	15.2	2.3	13.8	2.8	8.2	1.1	6.7	1.0	98	4.8
SYAH23019	4	5	1	SYAS230062	173	171	33	108	18.3	2.8	21.0	3.2	20.0	4.5	12.8	1.8	10.5	1.6	173	7.8
SYAH23019	5	6	1	SYAS230198	162	177	30	103	17.1	2.3	18.0	2.9	17.8	3.9	11.9	1.6	8.9	1.5	149	10.7
SYAH23019	6	7	1	SYAS230063	125	176	23	77	12.4	1.7	12.0	1.9	12.1	2.7	7.9	1.1	6.5	1.0	93	13.9
SYAH23019	7	8	1	SYAS230199	126	205	24	79	13.0	1.7	11.1	1.7	10.8	2.2	6.3	0.9	5.8	0.8	76	11.9
SYAH23020	0	1	1	SYAS230064	43	79	9	30	6.0	1.0	5.3	0.8	5.0	1.1	3.4	0.5	3.0	0.4	35	2.5
SYAH23020	1	2	1	SYAS230065	70	107	14	48	8.7	1.3	6.6	1.0	6.4	1.3	3.8	0.5	3.3	0.6	41	2.5
SYAH23020	2	3	1	SYAS230066	111	143	21	70	11.5	1.6	9.0	1.3	8.0	1.6	4.8	0.6	4.6	0.7	54	3.5
SYAH23020	3	4	1	SYAS230067	274	222	53	173	27.8	3.2	20.9	3.0	17.5	3.4	9.7	1.2	7.7	1.1	109	8.1
SYAH23020	4	5	1	SYAS230068	867	474	171	575	88.8	10.4	61.8	9.0	49.7	9.6	24.2	3.2	19.5	2.7	283	6.6
SYAH23020	5	6	1	SYAS230069	806	392	159	531	81.5	10.0	60.3	8.7	49.4	9.1	24.2	3.1	19.4	2.5	286	7.0
SYAH23020	6	7	1	SYAS230070	790	388	156	524	85.7	10.4	63.5	9.2	52.9	10.5	27.3	3.7	23.0	3.2	328	9.5
SYAH23020	7	8	1	SYAS230071	525	323	101	338	54.5	6.8	45.9	6.8	41.1	8.4	23.8	3.0	19.0	3.0	282	11.1
SYAH23020	8	9	1	SYAS230072	441	275	76	258	42.7	5.5	40.1	6.0	38.3	8.0	24.5	3.1	19.0	2.9	315	11.5
SYAH23022	2	3	1	SYAS230295	42	71	9	34	6.1	1.2	5.4	0.8	4.6	1.0	2.8	0.4	3.0	0.4	33	2.2
SYAH23028	3	4	1	SYAS230078	38	74	9	29	5.6	1.0	4.8	0.7	4.0	0.9	2.5	0.3	2.4	0.4	23	7.8
SYAH23028	4	5	1	SYAS230079	57	103	11	37	6.1	1.0	5.2	0.8	4.5	1.0	3.0	0.5	3.1	0.5	31	7.2
SYAH23039	1	2	1	SYAS230080	113	198	23	79	13.2	2.0	10.6	1.6	9.5	1.8	5.1	0.8	4.7	0.7	55	3.1
SYAH23039	2	3	1	SYAS230081	126	216	25	84	13.7	2.0	11.7	1.7	10.5	2.2	5.7	0.9	5.4	0.7	64	3.7
SYAH23039	3	4	1	SYAS230084	140	247	28	92	14.3	1.8	11.8	1.7	10.4	2.0	5.3	0.8	5.3	0.7	59	3.6
SYAH23039	4	5	1	SYAS230085	134	252	28	97	16.4	2.1	13.8	2.0	11.9	2.2	6.7	0.9	6.0	0.8	70	3.8
SYAH23039	5	6	1	SYAS230086	130	248	27	94	16.1	1.9	12.9	2.0	11.0	2.1	6.4	0.9	5.7	0.8	65	3.7
SYAH23039	6	7	1	SYAS230087	119	230	25	81	13.9	1.7	10.3	1.6	9.5	2.0	5.2	0.8	5.2	0.8	56	4.1
SYAH23039	7	8	1	SYAS230088	111	206	23	76	12.8	1.7	10.2	1.6	8.9	1.9	5.7	0.7	5.2	0.8	56	3.6
SYAH23039	8	9	1	SYAS230089	111	201	24	79	13.6	1.7	10.5	1.6	9.0	1.9	5.5	0.8	5.2	0.7	52	4.6
SYAH23039	9	10	1	SYAS230090	124	225	25	83	13.0	1.7	10.4	1.7	9.8	1.9	5.6	0.8	5.0	0.8	55	4.4
SYAH23039	10	11	1	SYAS230092	113	233	23	77	12.8	1.8	10.0	1.6	9.2	1.8	5.5	0.8	4.8	0.8	53	5.0
SYAH23039	11	12	1	SYAS230093	125	239	25	81	14.3	1.8	10.3	1.5	9.4	1.8	5.6	0.8	5.0	0.7	53	4.6
SYAH23039	12	13	1	SYAS230094	170	326	33	106	16.6	2.0	13.0	2.0	10.9	2.2	6.3	0.9	5.8	0.9	68	5.2
SYAH23039	13	14	1	SYAS230095	154	291	29	98	16.2	2.0	12.0	1.9	11.4	2.2	6.1	0.9	6.0	0.8	66	5.1
SYAH23039	14	15	1	SYAS230096	141	276	29	96	16.2	2.1	12.4	1.9	11.4	2.4	6.4	1.0	6.5	0.9	67	5.6
SYAH23040	3	3.3	0.3	SYAS230290	94	122	18	63	10.3	1.7	9.8	1.5	8.1	1.7	4.4	0.6	4.0	0.5	60	7.9
SYAH23041	1	2	1	SYAS230097	209	306	40	132	22.4	2.1	16.9	2.4	13.5	2.8	7.6	1.0	6.7	0.9	83	4.6
SYAH23041	1	2	1	SYAS230205	209	300	40	134	22.0	2.2	15.4	2.3	13.4	2.6	7.8	0.9	6.3	1.0	85	5.0
SYAH23041	3	4	1	SYAS230098	121	228	26	87	16.9	1.6	13.4	2.0	12.5	2.5	6.8	1.0	6.4	0.9	75	3.9
SYAH23041	3	4	1	SYAS230206	120	238	27	93	18.0	1.8	14.0	2.3	13.3	2.7	7.9	1.1	7.0	0.9	81	4.4
SYAH23041	5	6	1	SYAS230099	101	187	21	71	13.3	1.6	10.1	1.7	9.8	1.9	5.5	0.7	5.0	0.8	56	3.1
SYAH23041	5	6	1	SYAS230207	93	175	18	64	11.9	1.6	9.6	1.5	8.6	1.8	5.4	0.7	4.6	0.6	52	3.2
SYAH23041	7	7.8	0.8	SYAS230208	145	274	28	88	14.4	1.6	11.8	1.8	10.6	2.1	6.3	0.8	5.5	0.8	63	4.8
SYAH23043	1	2	1	SYAS230209	264	297	43	135	19.8	2.6	15.2	2.1	11.8	2.3	6.7	0.9	5.5	0.8	81	4.9
SYAH23043	3	4	1	SYAS230101	148	296	30	93	14.6	2.0	12.4	2.0	11.5	2.4	7.1	1.0	6.2	0.9	71	5.1
SYAH23043	3	4	1	SYAS230210	148	294	30	95	15.4	1.9	11.1	1.8	10.4	2.2	6.7	0.9	6.0	0.9	67	4.9
SYAH23043	5	6	1	SYAS230102	142	275	29	89	14.0	1.7	11.1	1.8	10.3	2.1	6.1	0.9	5.6	0.8	70	6.0
SYAH23043	5	6	1	SYAS230212	121	243	25	78	13.0	1.8	10.2	1.5	8.7	1.8	5.3	0.8	4.9	0.6	54	5.0
SYAH23043	7	7.6	0.6	SYAS230103	113	216	22	73	10.7	1.6	9.0	1.6	9.1	1.8	5.4	0.8	4.9	0.7	57	5.5
SYAH23043	7	7.6	0.6	SYAS230213	140	268	28	88	14.1	1.8	10.3	1.6	9.5	1.9	5.6	0.8	5.1	0.7	60	5.4
SYAH23045	0	1	1	SYAS230104	72	168	14	44	6.9	1.2	6.4	1.1	6.3	1.3	4.0	0.5	3.8	0.5	43	3.4
SYAH23045	1	2	1	SYAS230105	167	269	29	88	12.2	1.7	8.6	1.3	7.6	1.5	3.9	0.6	3.6	0.5	45	3.4
SYAH23045	2	3	1	SYAS230107	179	311	33	102	14.9	1.6	12.7	2.0	10.9	2.1	5.8	0.8	5.4	0.8	66	4.6
SYAH23045	3	4	1	SYAS230108	188	332	34	100	15.1	1.6	11.2	1.6	9.1	1.8	5.4	0.7	4.8	0.7	57	3.9
SYAH23045	4	5	1	SYAS230109	199	362	36	107	15.3	1.9	11.1	1.8	9.6	1.9	5.1	0.8	4.6	0.7	61	4.6
SYAH23045	5	6	1	SYAS230110	252	458	45	127	16.1	1.6	11.9	1.9	9.7	1.9	5.4	0.7	4.5	0.6	59	5.1
SYAH23045	6	7	1	SYAS230111	230	425	41	121	16.8	1.7	12.9	2.0	11.2	2.2	6.3	0.8	5.5	0.8	71	5.8

SYAH23045	7	8	1	SYAS230112	179	329	33	100	14.7	1.7	10.7	1.8	9.8	1.8	5.3	0.8	4.7	0.7	64	5.6
SYAH23045	8	9	1	SYAS230113	194	365	37	114	17.3	1.9	13.2	2.0	11.3	2.2	6.4	0.9	5.6	0.8	70	5.6
SYAH23045	9	9.5	0.5	SYAS230114	160	311	31	94	15.2	1.7	11.6	1.8	11.0	2.2	6.0	0.9	5.8	0.9	68	5.3
SYAH23046	0	1	1	SYAS230115	66	125	14	45	7.6	1.2	6.2	1.0	6.0	1.3	3.7	0.5	3.5	0.5	42	3.0
SYAH23046	1	2	1	SYAS230116	109	163	21	65	10.8	1.3	9.5	1.6	9.1	2.0	5.1	0.8	5.4	0.8	63	5.2
SYAH23046	2	3	1	SYAS230117	150	267	28	89	13.3	1.3	11.1	1.8	10.5	2.1	6.1	0.8	5.8	0.9	68	8.1
SYAH23046	3	4	1	SYAS230118	145	263	27	85	12.9	1.3	10.5	1.7	9.8	1.8	5.3	0.8	5.5	0.8	67	10.0
SYAH23046	4	4.8	0.8	SYAS230119	164	326	33	99	14.7	1.4	11.7	1.9	11.1	2.3	6.7	1.0	6.3	1.0	78	9.1
SYAH23047	0	1	1	SYAS230120	53	105	11	40	6.8	1.3	5.9	0.9	5.9	1.2	3.5	0.5	3.2	0.5	38	2.6
SYAH23047	1	2	1	SYAS230124	61	131	14	50	9.6	1.6	7.9	1.3	7.0	1.5	4.3	0.7	3.9	0.6	48	3.2
SYAH23047	2	3	1	SYAS230125	73	158	17	56	10.6	2.1	9.4	1.4	9.2	1.7	4.7	0.7	4.7	0.7	59	4.6
SYAH23047	3	4	1	SYAS230126	49	100	11	39	6.8	1.3	5.6	0.9	5.4	1.1	3.2	0.4	3.0	0.4	36	3.1
SYAH23047	4	4.6	0.6	SYAS230127	29	52	6	21	3.5	0.7	3.1	0.5	3.1	0.7	1.8	0.3	2.0	0.3	19	1.8
SYAH23052	1	2	1	SYAS230161	40	79	9	32	6.2	1.2	5.3	0.8	5.0	1.1	3.1	0.4	2.8	0.4	31	2.2
SYAH23052	2	3	1	SYAS230164	36	71	8	28	4.8	1.1	4.1	0.7	3.9	0.8	2.4	0.3	2.2	0.4	24	2.0
SYAH23052	3	3.1	0.1	SYAS230165	57	115	13	43	7.6	1.4	6.8	1.1	6.4	1.3	3.8	0.6	3.4	0.5	39	2.6
SYAH23053	2	3	1	SYAS230128	58	105	13	47	7.4	1.6	6.8	1.0	6.0	1.2	3.3	0.5	2.9	0.4	41	2.5
SYAH23053	3	4	1	SYAS230129	72	142	17	56	9.6	1.7	7.7	1.2	6.9	1.4	3.9	0.5	3.4	0.5	45	2.3
SYAH23053	4	5	1	SYAS230130	85	180	20	67	11.6	1.9	8.9	1.4	8.3	1.6	4.4	0.6	4.2	0.6	51	3.3
SYAH23053	5	6	1	SYAS230131	133	271	31	100	16.8	2.2	12.4	1.9	10.7	2.1	6.0	0.8	5.0	0.7	65	4.6
SYAH23053	6	7	1	SYAS230132	163	332	37	121	21.0	2.4	16.4	2.7	15.5	3.0	8.6	1.1	7.8	1.2	93	5.3
SYAH23053	7	8	1	SYAS230133	130	247	30	103	17.0	2.2	15.0	2.4	13.5	2.5	7.0	1.0	6.2	0.9	76	4.4
SYAH23053	8	9	1	SYAS230134	128	251	28	96	16.5	2.1	13.1	2.1	11.5	2.3	6.5	0.9	5.7	0.9	70	4.3
SYAH23053	9	10	1	SYAS230135	136	270	29	97	16.1	2.1	13.0	2.0	11.9	2.2	6.7	1.0	5.9	0.8	69	4.4
SYAH23053	10	11	1	SYAS230137	148	297	32	105	17.4	2.2	13.1	2.1	12.0	2.3	6.6	0.9	5.6	0.8	70	4.6
SYAH23053	11	12	1	SYAS230138	148	314	33	108	19.1	2.4	14.2	2.2	13.3	2.7	7.3	1.0	6.4	0.9	75	4.5
SYAH23053	12	13	1	SYAS230139	136	280	30	99	17.0	2.3	13.9	2.2	12.8	2.6	7.4	1.0	6.0	0.9	77	5.1
SYAH23053	13	14	1	SYAS230140	136	287	31	101	17.3	2.2	13.5	2.1	12.7	2.5	7.0	1.0	6.0	0.9	74	5.0
SYAH23053	14	15	1	SYAS230141	157	318	35	114	20.5	2.1	15.2	2.5	13.9	2.9	7.8	1.1	6.5	1.0	81	4.6
SYAH23053	15	15.3	0.3	SYAS230142	142	302	33	108	18.7	2.4	15.0	2.5	14.2	2.8	8.0	1.1	6.8	1.0	82	4.9
SYAH23054	1	2	1	SYAS230167	90	184	17	57	9.3	1.1	8.7	1.4	9.1	1.9	5.6	0.9	5.6	0.8	61	5.5
SYAH23054	2	3	1	SYAS230168	84	191	17	53	8.5	0.9	8.0	1.4	9.2	2.1	6.2	1.0	7.0	1.0	66	7.6
SYAH23054	3	4	1	SYAS230169	92	192	19	57	9.3	1.0	8.2	1.4	9.3	2.1	6.2	1.0	6.2	1.0	66	8.1
SYAH23054	4	5	1	SYAS230170	140	265	28	86	13.5	1.1	10.4	1.7	11.3	2.3	7.2	1.1	6.7	1.1	76	9.7
SYAH23054	5	5.8	0.8	SYAS230171	104	184	21	64	10.4	0.9	8.3	1.5	9.7	2.0	6.4	1.0	5.9	1.0	66	8.8
SYAH23055	1	2	1	SYAS230172	98	172	20	67	10.8	1.6	8.9	1.3	7.1	1.4	4.3	0.5	3.8	0.5	45	9.8
SYAH23055	2	3	1	SYAS230173	209	343	37	120	18.7	2.1	13.1	2.0	10.1	2.1	5.8	0.8	4.7	0.7	64	11.2
SYAH23055	3	4	1	SYAS230174	240	407	44	141	21.2	2.6	15.3	2.1	11.8	2.3	6.4	0.8	5.5	0.7	70	12.7
SYAH23055	4	5	1	SYAS230175	307	547	58	183	27.5	3.3	18.8	2.7	14.6	2.8	7.8	1.1	6.8	1.1	87	11.3
SYAH23056	1	2	1	SYAS230296	46	86	10	38	6.7	1.4	6.2	1.0	5.8	1.1	3.2	0.5	3.1	0.5	37	2.5
SYAH23056	2	3	1	SYAS230297	65	113	15	54	10.4	2.1	9.2	1.4	7.7	1.6	4.4	0.6	3.9	0.6	51	3.0
SYAH23056	3	4	1	SYAS230298	63	75	15	60	11.3	2.1	9.3	1.4	8.0	1.7	4.7	0.6	4.0	0.6	58	2.7
SYAH23056	4	5	1	SYAS230299	33	57	7	26	4.5	1.0	4.2	0.6	3.6	0.8	2.2	0.3	2.0	0.3	25	1.9
SYAH23056	5	5.3	0.3	SYAS230300	33	55	7	26	4.5	1.0	4.4	0.7	3.8	0.9	2.2	0.4	2.1	0.3	26	2.2
SYAH23058	1	2	1	SYAS230143	105	232	24	82	15.1	2.9	13.1	2.0	13.1	2.5	7.1	1.1	6.6	1.0	78	4.2
SYAH23058	2	3	1	SYAS230144	159	332	37	127	23.8	4.0	21.1	3.5	20.5	4.0	11.7	1.7	10.3	1.6	122	5.3
SYAH23058	3	4	1	SYAS230145	490	840	84	259	35.8	6.4	22.1	3.3	18.8	3.7	10.3	1.4	9.4	1.3	110	6.9
SYAH23058	4	5	1	SYAS230146	141	280	31	103	18.4	3.1	15.2	2.3	14.6	2.9	8.6	1.2	7.8	1.2	89	4.8
SYAH23058	5	6	1	SYAS230147	130	269	30	101	18.3	3.3	15.7	2.5	15.3	3.0	8.4	1.2	7.9	1.2	92	5.2
SYAH23058	6	7	1	SYAS230148	121	260	30	103	19.0	3.3	16.1	2.7	16.1	3.3	9.4	1.4	8.7	1.3	99	5.4
SYAH23058	7	8	1	SYAS230149	117	257	29	101	18.6	3.1	15.8	2.6	15.4	3.2	9.1	1.2	8.3	1.2	93	5.6
SYAH23058	8	9	1	SYAS230150	117	262	29	99	18.7	3.2	15.3	2.4	14.3	3.1	9.0	1.2	7.6	1.2	90	6.1
SYAH23058	9	10	1	SYAS230152	114	254	29	101	18.3	3.3	15.7	2.5	15.3	3.2	9.0	1.3	8.2	1.2	92	5.6
SYAH23058	10	11	1	SYAS230153	120	262	30	100	19.0	3.4	16.7	2.6	15.2	3.2	9.1	1.3	8.2	1.3	95	5.8
SYAH23058	11	12	1	SYAS230154	154	328	37	123	21.7	3.9	18.1	2.8	16.8	3.4	9.7	1.3	8.8	1.3	101	6.7
SYAH23058	12	13	1	SYAS230155	154	333	37	125	22.9	4.0	18.3	2.9	16.6	3.4	9.7	1.3	8.9	1.2	103	6.5
SYAH23058	13	14	1	SYAS230156	145	308	35	118	22.1	3.8	19.0	2.9	17.7	3.5	9.6	1.4	8.6	1.3	106	7.1
SYAH23058	14	15	1	SYAS230157	144	311	35	121	22.1	4.1	19.4	3.1	18.2	3.7	10.7	1.5	9.4	1.4	113	7.5
SYAH23058	15	16	1	SYAS230158	165	355	40	137	25.4	4.7	21.4	3.4	19.4	3.9	11.3	1.6	10.2	1.5	120	7.6
SYAH23058	16	17	1	SYAS230159	158	333	37	127	23.4	4.5	19.4	3.0	18.4	3.9	10.5	1.5	9.3	1.4	110	7.1
SYAH23058	17	18	1	SYAS230160	151	321	36	122	22.8	3.9	18.9	2.8	17.4	3.5	9.9	1.4	8.7	1.3	104	7.1
SYAH23059	1	2	1	SYAS230302	41	76	9	34	5.9	1.3	5.3	0.8	5.0	1.1	2.9	0.5	3.0	0.5	33	2.0
SYAH23059	2	3	1	SYAS230303	55	91	12	43	8.3	1.7	7.2	1.2	6.5	1.4	3.7	0.6	3.8	0.6	44	2.0
SYAH23059	3	4	1	SYAS230304	59	101	13	48	8.4	1.8	7.7	1.2	7.1	1.4	4.1	0.6	3.7	0.5	45	2.2

SYAH23059	4	4.4	0.4	SYAS230305	57	108	13	46	9.2	1.6	7.5	1.2	6.6	1.5	4.0	0.6	3.9	0.5	43	2.3
SYAH23061	1	2	1	SYAS230182	29	55	6	22	4.8	0.9	3.9	0.7	4.5	1.0	3.0	0.5	3.1	0.5	28	4.0
SYAH23061	2	3	1	SYAS230183	47	86	10	33	5.8	1.2	5.2	0.8	4.9	1.0	3.0	0.4	2.5	0.4	32	2.9
SYAH23061	3	3.4	0.4	SYAS230184	75	108	14	46	7.6	1.3	6.1	0.9	4.9	1.0	2.9	0.4	2.5	0.3	34	2.4
SYAH23062	2	3	1	SYAS230176	82	135	16	51	8.6	1.6	5.6	0.8	5.1	1.0	3.0	0.4	2.8	0.4	31	4.1
SYAH23062	3	4	1	SYAS230177	133	279	27	88	15.1	2.5	11.8	1.9	11.2	2.2	6.5	0.9	5.3	0.8	70	6.1
SYAH23062	4	5	1	SYAS230178	175	281	35	113	19.1	2.5	13.7	2.1	11.6	2.3	6.7	0.9	5.6	0.8	71	6.2
SYAH23062	5	6	1	SYAS230179	151	233	29	96	15.9	2.1	12.7	1.9	10.8	2.2	6.1	0.9	5.5	0.7	69	5.9
SYAH23062	6	7	1	SYAS230180	102	189	21	67	10.9	1.6	8.4	1.4	7.9	1.6	4.6	0.7	4.2	0.6	47	6.6
SYAH23066	1	2	1	SYAS230185	92	170	20	69	12.1	1.7	10.8	1.8	10.9	2.2	6.6	1.0	6.3	0.9	67	7.7
SYAH23066	2	3	1	SYAS230186	114	216	26	87	15.1	1.8	11.8	1.9	11.3	2.3	6.8	1.0	6.7	1.1	67	6.4
SYAH23066	3	4	1	SYAS230187	115	238	27	93	17.1	2.1	13.7	2.3	13.9	2.8	8.4	1.3	8.5	1.3	79	7.2
SYAH23066	4	5	1	SYAS230188	115	216	25	84	15.1	2.0	13.0	2.1	12.6	2.5	7.5	1.1	7.0	1.1	77	5.1
SYAH23066	5	5.6	0.6	SYAS230189	107	216	24	82	15.2	1.9	12.4	2.1	12.6	2.6	7.9	1.2	7.4	1.1	77	4.8
SYAH23069	0	1	1	SYAS230190	74	164	20	66	12.2	1.7	8.8	1.4	8.2	1.6	4.5	0.7	4.4	0.6	45	8.5
SYAH23069	1	2	1	SYAS230191	113	264	31	99	17.5	2.3	11.1	1.8	9.8	1.7	4.9	0.7	4.8	0.6	44	14.4
SYAH23069	2	3	1	SYAS230192	111	280	33	104	18.5	2.1	10.6	1.6	8.6	1.5	4.4	0.7	4.3	0.6	37	15.4
SYAH23069	3	4	1	SYAS230193	284	698	85	268	46.2	5.6	26.0	4.2	22.2	3.7	9.9	1.5	9.3	1.2	86	23.3
SYAH23071	0	1	1	SYAS230217	22	49	5	18	3.9	0.7	3.3	0.6	3.8	0.8	2.4	0.3	2.5	0.4	26	3.9
SYAH23071	1	2	1	SYAS230218	10	19	2	6	1.4	0.4	2.0	0.4	3.3	0.7	2.4	0.3	2.6	0.3	21	6.8
SYAH23071	2	3	1	SYAS230219	13	21	2	6	1.4	0.3	1.8	0.3	2.8	0.6	2.1	0.3	2.3	0.3	18	5.7
SYAH23071	3	4	1	SYAS230220	7	13	1	5	1.2	0.2	1.2	0.3	2.3	0.5	1.6	0.2	1.5	0.2	15	3.3
SYAH23071	4	4.5	0.5	SYAS230221	7	14	1	5	1.1	0.2	1.4	0.3	2.5	0.5	1.6	0.2	1.5	0.3	15	3.4
SYAH23075	0	1	1	SYAS230222	46	89	9	30	5.9	1.1	4.7	0.8	4.8	1.0	2.9	0.5	2.6	0.4	28	3.0
SYAH23075	1	2	1	SYAS230223	80	110	13	41	6.7	1.2	5.2	0.8	4.7	1.0	3.2	0.4	2.5	0.4	29	3.0
SYAH23075	2	3	1	SYAS230224	113	175	20	59	10.3	1.1	6.5	0.9	4.4	0.9	2.3	0.4	2.4	0.3	25	5.9
SYAH23075	3	4	1	SYAS230225	123	211	25	78	13.9	1.5	8.3	1.3	6.6	1.1	3.5	0.4	3.0	0.4	30	9.3
SYAH23075	4	5	1	SYAS230227	121	213	25	77	13.7	1.6	9.0	1.2	6.5	1.3	3.6	0.5	2.8	0.4	31	9.2
SYAH23075	5	5.7	0.7	SYAS230228	91	158	18	57	10.3	1.4	6.5	0.9	5.5	0.9	2.9	0.3	2.6	0.3	26	6.1
SYAH23092	1	2	1	SYAS230251	92	190	20	61	9.5	1.0	6.7	1.2	7.5	1.5	4.5	0.8	4.8	0.8	48	8.0
SYAH23092	2	3	1	SYAS230252	283	556	57	166	23.8	2.0	17.1	2.8	17.1	3.6	10.7	1.7	11.0	1.5	111	13.9
SYAH23092	3	4	1	SYAS230253	250	501	51	148	22.0	1.7	16.0	2.4	15.6	3.2	9.3	1.6	10.3	1.4	99	19.5
SYAH23092	4	5	1	SYAS230254	253	512	53	156	23.7	1.9	16.5	2.7	16.5	3.5	9.9	1.7	10.5	1.5	107	22.1
SYAH23093	0	1	1	SYAS230250	125	296	29	96	16.5	2.4	13.0	2.0	12.0	2.4	7.0	1.1	6.4	1.0	72	6.5
SYAH23094	0	1	1	SYAS230249	62	149	13	42	7.5	1.2	6.4	1.0	6.3	1.3	3.8	0.6	4.3	0.7	42	4.2
SYAH23094	1	2	1	SYAS230244	90	168	18	54	8.7	1.3	6.8	1.1	6.5	1.3	3.6	0.5	3.8	0.6	40	4.5
SYAH23094	2	3	1	SYAS230245	178	316	32	98	14.8	1.7	10.6	1.6	10.0	2.0	6.1	0.9	6.4	1.1	68	6.2
SYAH23094	3	4	1	SYAS230246	183	340	33	101	15.8	1.8	11.5	1.8	11.0	2.2	6.6	1.1	7.1	1.0	72	6.9
SYAH23094	4	5	1	SYAS230247	176	326	33	95	14.6	1.6	11.1	1.8	10.6	2.2	6.6	1.1	7.2	1.1	72	7.2
SYAH23094	5	6	1	SYAS230248	185	348	33	101	15.7	1.8	11.7	1.8	11.5	2.4	7.0	1.1	7.7	1.2	76	8.6
SYAH23095	0	1	1	SYAS230229	57	117	12	39	6.1	0.9	6.1	0.9	6.0	1.2	4.0	0.5	4.4	0.5	39	3.9
SYAH23095	1	2	1	SYAS230230	68	127	14	49	8.2	1.4	6.8	1.2	6.6	1.5	4.4	0.7	4.3	0.7	44	4.1
SYAH23095	2	3	1	SYAS230231	89	161	17	53	8.8	1.2	6.6	1.0	6.2	1.2	3.9	0.5	3.8	0.6	43	4.8
SYAH23095	3	4	1	SYAS230232	221	405	42	134	21.1	2.2	15.7	2.4	15.0	3.0	8.9	1.2	8.2	1.3	91	9.6
SYAH23095	4	5	1	SYAS230233	155	348	30	95	14.0	1.6	11.3	1.8	11.1	2.1	6.7	1.0	6.7	1.0	68	9.7
SYAH23095	5	6	1	SYAS230234	134	286	28	85	13.4	1.4	9.1	1.6	8.9	2.0	6.4	0.9	6.5	1.0	62	10.4
SYAH23095	6	7	1	SYAS230235	175	330	34	107	16.5	2.0	13.0	2.0	12.2	2.4	7.3	1.1	6.8	1.1	82	9.6
SYAH23095	7	8	1	SYAS230236	192	373	37	119	20.4	2.1	14.4	2.3	13.1	2.8	8.1	1.1	8.0	1.2	88	10.0
SYAH23095	8	9	1	SYAS230237	168	327	33	101	15.9	1.8	12.0	1.9	11.2	2.3	7.2	1.0	7.3	1.2	75	9.5
SYAH23095	9	10	1	SYAS230238	213	414	42	125	21.1	2.0	15.0	2.2	13.3	2.7	7.5	1.2	7.9	1.2	86	8.4
SYAH23095	10	11	1	SYAS230239	204	391	39	118	18.4	1.8	13.7	2.2	12.7	2.6	7.7	1.2	7.6	1.2	81	8.3
SYAH23095	11	12	1	SYAS230240	205	399	41	124	20.5	2.1	14.3	2.3	13.5	2.8	7.7	1.2	8.4	1.3	87	8.7
SYAH23098	1	2	1	SYAS230306	46	85	10	32	7.0	1.1	7.8	1.4	8.7	1.8	5.1	0.7	3.9	0.6	56	2.5
SYAH23098	2	3	1	SYAS230307	58	107	12	40	8.7	1.1	8.1	1.4	7.2	1.5	3.8	0.5	2.9	0.4	45	2.3
SYAH23098	3	3.9	0.9	SYAS230308	52	101	11	36	7.9	1.2	8.9	1.6	9.4	1.9	5.2	0.7	3.7	0.5	62	2.9
SYAH23099	1	2	1	SYAS230309	44	97	9	30	5.3	1.2	4.0	0.6	3.4	0.6	1.8	0.3	1.6	0.3	20	3.4
SYAH23100	1	2	1	SYAS230310	37	70	8	31	5.8	1.1	5.3	0.9	4.8	1.1	3.1	0.4	2.8	0.4	33	3.1
SYAH23100	2	3	1	SYAS230311	37	63	8	29	5.7	1.1	5.1	0.8	4.6	1.0	2.7	0.4	2.7	0.4	32	4.4
SYAH23100	3	4	1	SYAS230312	24	42	5	21	4.3	0.9	3.9	0.6	3.6	0.8	2.2	0.3	2.1	0.3	24	6.5
SYAH23100	4	4.4	0.4	SYAS230313	19	35	4	17	3.4	0.7	3.3	0.5	3.7	0.7	2.1	0.3	1.9	0.3	24	8.0
SYAH23102	2	3	1	SYAS230315	22	44	5	18	3.3	0.6	2.8	0.5	2.7	0.5	1.6	0.3	1.6	0.3	17	3.8
SYAH23102	3	4	1	SYAS230314	74	150	17	56	8.5	1.1	4.8	0.7	3.0	0.5	1.4	0.2	0.9	0.2	17	7.7
SYAH23104	1	2	1	SYAS230260	80	155	17	56	11.1	1.7	9.9	1.5	9.0	1.8	5.5	0.8	4.9	0.7	61	9.3
SYAH23104	2	3	1	SYAS230261	71	132	14	48	8.5	1.4	7.7	1.2	7.0	1.5	4.0	0.6	3.9	0.6	46	6.3

Basin ENERGY

SYAH23104	3	4	1	SYAS230262	88	185	19	62	11.4	2.3	9.4	1.5	9.3	1.8	5.3	0.8	5.5	0.8	60	9.5
SYAH23106	1	2	1	SYAS230258	31	55	6	22	3.8	1.0	3.4	0.5	3.0	0.5	1.6	0.3	1.7	0.2	17	7.6
SYAH23106	2	2.3	0.3	SYAS230259	42	80	9	28	4.8	1.3	4.2	0.6	3.1	0.5	1.6	0.2	1.8	0.2	19	4.3
SYAH23109	0	1	1	SYAS230263	28	60	7	24	4.7	0.9	4.0	0.7	3.9	0.8	2.5	0.4	2.8	0.4	25	2.3
SYAH23109	1	2	1	SYAS230264	35	71	8	27	5.2	1.0	4.4	0.7	4.1	0.8	2.4	0.4	2.6	0.4	27	2.2
SYAH23109	2	3	1	SYAS230265	36	69	8	24	4.3	0.7	3.2	0.4	2.4	0.5	1.5	0.2	1.4	0.2	16	2.0
SYAH23109	3	4	1	SYAS230266	43	84	9	30	4.5	0.7	3.5	0.4	2.3	0.4	1.4	0.2	1.2	0.2	14	2.1
SYAH23109	4	5	1	SYAS230267	48	94	10	32	5.4	0.8	3.9	0.6	3.2	0.6	1.7	0.3	1.7	0.2	19	2.4
SYAH23109	5	6	1	SYAS230268	61	117	12	38	6.0	1.0	3.9	0.5	2.7	0.4	1.2	0.2	1.3	0.2	14	3.1
SYAH23109	6	7	1	SYAS230269	36	75	8	28	5.3	0.8	4.6	0.7	4.2	0.8	2.3	0.3	2.0	0.3	25	3.3
SYAH23111	1	2	1	SYAS230270	44	104	10	33	6.1	1.4	4.8	0.7	3.9	0.8	2.5	0.3	2.4	0.4	26	2.7
SYAH23111	2	3	1	SYAS230288	163	291	30	94	13.7	1.9	10.7	1.5	8.3	1.6	4.5	0.7	4.1	0.5	51	4.5
SYAH23111	3	3.9	0.9	SYAS230289	68	118	12	40	5.8	1.4	4.5	0.6	2.8	0.5	1.5	0.2	1.6	0.2	17	2.2
SYAH23112	1	2	1	SYAS230272	28	52	6	19	3.0	0.8	2.4	0.3	1.9	0.4	0.9	0.1	0.8	0.2	11	3.1
SYAH23112	2	3	1	SYAS230273	38	71	7	24	4.0	0.9	2.8	0.4	1.9	0.3	0.9	0.1	0.7	0.1	10	3.3
SYAH23112	3	3.7	0.7	SYAS230274	43	84	9	28	4.7	1.0	3.2	0.5	2.4	0.4	1.0	0.2	1.0	0.1	13	3.0
SYAH23113	1	2	1	SYAS230255	70	124	14	44	6.6	1.6	5.0	0.8	4.4	0.9	2.7	0.4	2.7	0.4	30	4.4
SYAH23113	2	2.9	0.9	SYAS230257	66	116	13	43	7.1	1.6	5.1	0.8	4.9	0.9	2.9	0.4	2.7	0.4	30	4.3
SYAH23114	0	1	1	SYAS230275	36	71	8	30	5.4	1.1	5.4	0.9	5.8	1.1	3.5	0.6	3.8	0.6	39	3.7
SYAH23114	1	2	1	SYAS230276	29	60	7	24	4.7	0.9	4.3	0.7	4.6	1.0	2.7	0.4	2.6	0.4	31	3.8
SYAH23115	1	2	1	SYAS230277	31	59	7	28	5.6	1.3	5.5	1.0	5.6	1.1	3.2	0.5	3.1	0.5	35	4.8
SYAH23115	2	3	1	SYAS230278	23	42	6	22	4.8	1.1	5.6	0.9	5.6	1.0	3.0	0.4	2.4	0.4	36	5.0
SYAH23115	3	4	1	SYAS230279	22	47	5	22	5.4	1.2	6.4	1.2	6.6	1.2	3.1	0.4	2.7	0.4	38	7.4
SYAH23115	4	5	1	SYAS230280	17	40	4	17	4.0	1.0	4.7	0.8	4.6	1.0	2.6	0.4	2.3	0.3	27	7.2
SYAH23115	5	6	1	SYAS230281	21	43	5	20	4.6	1.1	5.3	0.9	5.4	1.1	3.2	0.4	2.7	0.4	34	8.4
SYAH23116	0	1	1	SYAS230284	73	143	14	47	7.2	1.4	6.1	1.0	5.5	1.1	3.0	0.5	3.2	0.4	36	2.9
SYAH23116	1	2	1	SYAS230285	159	252	28	88	12.6	1.9	9.7	1.3	7.6	1.5	4.0	0.6	3.7	0.5	46	4.0
SYAH23116	2	3	1	SYAS230287	144	234	26	82	11.7	1.9	9.1	1.3	7.1	1.4	4.0	0.6	3.5	0.5	44	3.8
SYAH23119	0	1	1	SYAS230073	49	98	11	40	7.0	1.3	6.6	1.0	5.9	1.2	3.4	0.5	3.5	0.5	39	2.3
SYAH23119	1	2	1	SYAS230200	52	93	11	38	6.5	1.3	5.8	0.9	5.3	1.2	3.3	0.5	3.0	0.5	36	2.8
SYAH23119	2	3	1	SYAS230074	55	94	11	37	6.6	1.0	5.6	0.8	5.4	1.1	3.4	0.5	3.0	0.4	36	3.2
SYAH23119	3	4	1	SYAS230201	96	146	19	60	10.0	1.5	7.8	1.2	7.2	1.4	4.3	0.6	3.7	0.6	46	6.3
SYAH23119	4	5	1	SYAS230075	139	264	28	87	15.0	1.6	11.5	1.6	9.9	2.0	5.5	0.8	5.0	0.8	59	5.5
SYAH23119	5	6	1	SYAS230204	177	328	35	111	17.3	1.6	13.1	2.2	12.0	2.4	6.7	0.9	5.9	1.0	76	7.5
SYAH23119	6	7	1	SYAS230077	145	269	28	87	13.9	1.7	10.8	1.8	9.9	2.1	5.4	0.8	5.7	0.7	59	7.8
SYAH23130	2	3	1	SYAS230317	92	119	18	62	9.8	1.6	7.9	1.2	6.2	1.3	3.5	0.5	3.2	0.5	46	2.6
SYAH23130	3	4	1	SYAS230318	151	239	25	76	11.0	1.3	7.8	1.2	6.8	1.4	4.0	0.5	3.4	0.5	43	4.6
SYAH23130	4	5	1	SYAS230319	167	301	28	84	12.4	1.5	8.9	1.4	7.8	1.5	4.3	0.6	4.0	0.6	51	6.5
SYAH23130	5	6	1	SYAS230320	127	236	23	70	11.0	1.4	8.1	1.3	7.0	1.5	4.0	0.6	3.7	0.6	48	7.0
SYAH23130	6	7	1	SYAS230321	145	274	27	85	12.6	1.7	9.6	1.5	8.6	1.8	5.0	0.7	4.5	0.7	57	9.1
SYAH23130	7	8	1	SYAS230324	119	228	23	73	12.1	1.7	8.6	1.5	8.5	1.7	5.0	0.7	4.5	0.7	52	8.9
SYAH23130	8	8.5	0.5	SYAS230325	87	144	16	50	8.0	1.4	5.9	1.0	5.6	1.2	3.1	0.5	3.3	0.5	36	5.8
SYAH23131	1	2	1	SYAS230326	201	350	46	149	22.9	2.9	15.5	2.1	11.1	2.0	4.9	0.7	4.2	0.6	61	3.9
SYAH23131	2	3	1	SYAS230327	252	560	64	204	31.8	3.4	17.8	2.6	12.9	2.1	5.6	0.7	4.7	0.7	54	5.4
SYAH23131	3	4	1	SYAS230328	315	673	77	252	40.6	4.7	22.2	3.4	16.8	2.8	7.2	1.0	5.9	0.8	66	8.1
SYAH23131	4	5	1	SYAS230329	372	726	82	262	40.9	4.9	26.6	3.8	18.8	3.4	7.8	1.1	6.5	0.9	83	7.5
SYAH23131	5	5.6	0.6	SYAS230330	418	811	90	285	45.1	5.3	28.5	4.1	20.7	3.6	8.5	1.3	7.7	1.0	88	9.2
SYAH23132	2	3	1	SYAS230335	65	128	14	49	9.1	1.6	7.6	1.3	7.6	1.6	4.2	0.7	4.4	0.7	46	4.6
SYAH23132	3	4	1	SYAS230332	68	120	15	52	9.1	1.7	7.9	1.3	7.6	1.6	4.4	0.7	4.3	0.7	48	5.2
SYAH23132	4	5	1	SYAS230333	122	227	23	74	11.7	1.7	9.4	1.4	8.3	1.5	4.5	0.7	4.2	0.6	45	5.3
SYAH23132	5	5.4	0.4	SYAS230334	134	245	25	78	12.5	1.8	8.7	1.4	7.8	1.5	4.2	0.6	3.9	0.6	49	4.9

Appendix 4

Assay information of NeoDys' 2022 surface sampling program. A total of 132 samples were taken for geochemical assay across the project area with all REE and U results reported below.

Sample Id	Easting	Northing	RL (m)	Type	La2O3	CeO2	Pr6O11	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb4O7	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	U3O8
sbru001	255277	7689578	244	SL	35	79	9	33	6.5	1.3	6.6	1.1	5.9	1.2	3.9	0.5	4.4	0.6	38	2.4
sbru002	276647	7707077	285	SL	35	80	9	32	6.1	1.4	7	1.1	6.4	1.3	4.3	0.6	4.3	0.6	42	2.4
sbru003	325488	7678866	369	ES	80	179	20	72	13.8	2.3	13.3	2.1	12.6	2.3	6.9	1	7.2	1.1	72	4.7
sbru004	325488	7678866	369	ES	80	163	19	71	14.4	2.2	12.7	2.1	12.1	2.4	7.8	1.1	7.2	1.2	70	5
sbru005	323537	7683407	379	ES	122	253	28	100	17.6	2.5	16.3	2.5	14	2.9	9.1	1.3	9.2	1.4	93	6.4
sbru006	312625	7696443	354	SL	89	181	21	73	13.7	2.2	12.9	2	11.4	2.2	7.3	1.2	7.3	1	75	6.6
sbru007	312585	7696951	352	ES	133	287	31	108	20.9	2.9	18.3	3	20.2	4.3	13	2	13.8	2.1	121	8.5
sbru008	312585	7696951	352	ES	198	400	45	154	27.1	3.9	25	4	23.4	4.5	14.1	2	13.2	2	136	8
sbru009	306290	7698634	339	SL	66	139	16	58	10.8	1.9	9.6	1.5	8.5	1.8	5.5	0.8	5.2	0.8	57	3.7
sbru011	306162	7698894	338	ES	135	280	31	105	19.8	2.9	17.1	3.2	19.9	4.1	13.5	1.9	13.2	2.2	126	7.2
sbru012	306162	7698894	338	ES	111	230	26	91	17.3	2.3	15.6	2.6	17.4	3.7	12.3	1.9	13.4	2.1	127	7.1
sbru013	306152	7698941	339	SL	93	176	21	75	12.9	2.1	13.6	2.5	16.8	3.6	11.9	1.8	11.8	2	107	6
sbru014	316981	7666238	325	ES	54	113	13	48	9.4	1.6	8.6	1.4	8.6	1.7	5.3	0.9	5.7	0.8	51	3.8
sbru015	316981	7666238	325	ES	61	133	15	55	10.8	2	10	1.6	9.3	1.9	5.5	0.8	5.8	0.9	57	4
sbru016	318257	7663421	322	SL	49	109	12	44	7.8	1.6	8.8	1.4	9	1.8	5.8	0.8	5.8	1	56	3.3
sbru017	318831	7661348	319	SL	59	119	14	50	10	1.9	10	1.5	9.3	1.8	5.8	0.8	6	0.9	53	4
sbru018	328034	7649420	338	ES	194	398	40	135	22.5	3.2	20.7	3.3	20	4.2	14.2	1.9	12.3	1.8	154	9.7
sbru019	328034	7649420	338	ES	114	231	23	80	13.1	2.1	14.1	2.1	12.7	2.3	7.5	1	6.4	1.1	74	23.6
sbru021	328034	7649420	338	ES	233	502	50	167	29.8	3.8	26.9	4.1	25.2	4.7	15.1	2.1	13.7	2	151	45.6
sbru022	321473	7640142	314	SL	49	102	13	44	8.9	2.1	9.3	1.5	9.6	1.9	5.6	0.9	5.8	1	55	4.2
sbru023	318914	7644326	309	SL	48	93	12	43	8.5	1.9	8.8	1.4	8.1	1.7	5	0.8	4.8	0.8	50	3.8
sbru025	306203	7629988	269	ES	35	77	8	30	5.6	1	5.6	1	5	1	3.3	0.4	3	0.5	33	2.6
sbru026	306203	7629988	269	ES	25	48	6	20	4.1	0.9	4.4	0.7	4.8	0.9	3	0.4	3.5	0.5	29	2.2
sbru028	306203	7629988	269	ES	42	88	10	36	6.7	1	6.3	1	5.6	1.2	3.9	0.6	3.9	0.6	41	3.3
sbru029	309738	7623638	276	ES	66	134	13	46	8.3	1.4	7.4	1.1	7.6	1.7	5.7	1	6.7	1.2	56	4.2
sbru030	309738	7623638	276	ES	81	161	16	54	8.9	1.5	8.4	1.3	7.2	1.3	4.7	0.6	4.2	0.7	42	4.4
sbru032	309738	7623638	276	ES	103	199	21	73	11.4	1.6	9.2	1.5	8.4	1.6	5.3	0.8	5.1	0.8	48	5.2
sbru033	300387	7616153	257	SL	28	60	7	25	4.9	1.2	5.2	0.8	4.8	1	3.3	0.5	3	0.6	29	2.2
sbru034	295614	7617812	250	SL	36	71	9	33	7	1.4	6.8	1.1	5.9	1.3	4	0.6	3.8	0.6	39	2.1
sbru035	292849	7619148	247	SL	49	97	12	42	8.8	1.6	7.8	1.2	8.3	1.5	4.3	0.7	4.6	0.8	50	3.3
sbru036	306994	7613045	268	SL	35	71	9	33	6.5	1.2	5.3	1	5.9	1.1	3.5	0.6	3.6	0.6	36	2.2
sbru037	285864	7675912	277	SL	56	122	14	49	9.4	2.1	8.4	1.3	8.4	1.6	4.6	0.7	4.7	0.8	50	3.2
sbru038	291369	7671433	282	SL	118	236	27	88	16.8	2.5	13.1	2.1	13.1	2.6	7.4	1	7.1	1.2	79	4.6
sbru039	303595	7662184	297	SL	36	72	9	33	6.8	1.2	5.6	0.9	6.1	1.1	4	0.6	3.4	0.7	37	2.1
sbru040	291534	7625827	249	ES	41	81	10	33	7.1	1.4	6.6	1.1	6.5	1.4	4.2	0.6	4.8	0.8	43	3.8
sbru042	291534	7625827	249	ES	40	80	9	32	6.7	1.3	6	0.9	6.2	1.2	3.9	0.5	3.9	0.7	37	3.2
sbru043	291534	7625827	249	ES	34	75	8	27	5.8	1.2	4.7	0.9	5.3	1.2	4	0.6	4.1	0.8	41	3.3
sbru044	291534	7625827	249	ES	38	106	8	28	5.8	0.9	4.5	0.7	4.7	1.1	3.2	0.5	3.6	0.5	29	3.3
sbru045	291534	7625827	249	ES	34	90	8	25	5	1	4.4	0.8	4.9	1.1	3.2	0.5	3.4	0.7	32	3.9
sbru047	291534	7625827	249	ES	35	80	7	24	4.6	1	4.4	0.8	4.9	1	3.3	0.4	3.5	0.5	29	3.8
sbru048	291534	7625827	249	ES	30	58	6	22	4.8	1	3.7	0.6	4.6	0.9	2.6	0.5	3.1	0.5	27	3.9
sbru049	291271	7630045	251	SL	50	96	12	44	9	1.9	7.4	1.2	8.4	1.6	4.6	0.6	4.4	0.7	46	3.4
sbru050	289789	7653668	270	SL	47	96	11	39	7.7	1.5	6.7	1	6.8	1.4	4.3	0.6	4.1	0.6	44	3.1
sbru051	287800	7640859	260	SL	53	102	12	42	8	1.6	6.6	1	7	1.3	4	0.5	3.8	0.6	42	2.2
sbru053	318360	7691609	369	ES	145	323	31	111	20.6	3.1	19.4	3.6	22	4.6	14.1	2.1	14.2	2.3	138	9
sbs001	250021	7699681	241	SL	46	97	12	39	7.7	1.6	8	1.2	7.5	1.4	4.7	0.6	4.2	0.7	43	2.8
sbs003	250600	7698915	242	SL	49	101	12	42	7.8	1.6	7.8	1.2	7.6	1.7	4.3	0.7	4.8	0.8	50	2.6
sbs004	251684	7697486	244	SL	54	115	13	43	9	1.6	8.2	1.3	8.3	1.7	5	0.7	4.8	0.7	53	2.8
sbs005	252626	7696236	244	SL	35	76	9	29	6.1	1.3	6.5	1	7.1	1.5	4	0.6	4.6	0.7	38	2.5
sbs006	253742	7695174	243	SL	72	140	16	62	11.1	1.9	11.2	1.8	11.7	2.5	7.9	1	7.2	1	76	5.3
sbs007	254075	7694938	244	SL	74	147	17	58	11.4	1.9	10.6	1.8	11.1	2.3	6.9	1.1	6.9	1	66	5.4
sbs008	254228	7694807	241	SS	9	17	2	6	1.5	0.5	1.4	0.3	1.7	0.4	1.3	0.2	1.3	0.2	11	0.9
sbs009	254662	7694167	246	SL	34	77	9	32	6.7	1.4	5.9	0.9	5.5	1.2	3.5	0.5	3.4	0.5	36	2.2
sbs010	274932	7708737	280	SL	81	170	19	67	13	2.1	11.9	2.1	13.3	2.6	8.2	1.2	8.2	1.2	83	6

sbs011	274683	7708917	279	SL	76	156	18	63	12.3	1.7	12	2.1	13.3	2.9	9.3	1.4	8.7	1.2	85	6.7
sbs013	273581	7709692	280	SL	39	92	10	37	7	1.5	6.8	1.1	7.1	1.4	4.6	0.6	4.3	0.6	44	2.7
sbs014	272325	7710471	278	SL	38	88	9	34	7.2	1.5	6.7	1.1	7.3	1.4	4	0.6	4.4	0.7	38	2.8
sbs015	274562	7708964	279	SS	21	39	5	17	3	0.5	2.5	0.5	2.5	0.6	1.8	0.3	1.8	0.3	17	1.9
sbs016	320494	7675680	351	SS	107	295	25	86	16.7	2.5	14.1	2.3	15	2.9	9.5	1.4	9.8	1.7	90	6
sbs018	320506	7675686	351	SS	133	260	30	103	19	3.2	19.1	3.2	21.5	4.3	13.8	2.1	15	2.3	135	8.1
sbs019	325474	7678869	368	SS	70	166	17	60	12.6	2.1	11.1	1.8	11.4	2.3	7.3	1.1	7.5	1.2	72	5
sbs020	323546	7683401	379	SS	176	469	40	137	26.8	4.3	23.1	3.8	24.8	5.2	16.1	2.5	16.5	2.6	155	8.3
sbs021	318359	7691603	369	SS	114	434	28	97	19.6	2.8	15.7	2.5	16.1	3.5	10.9	1.7	12	2	98	6.8
sbs022	312713	7696742	352	SL	103	192	24	84	15	2.4	14.1	2.3	13.8	3	9.4	1.4	9.8	1.3	89	5
sbs023	312586	7696961	352	SS	67	149	15	52	9.6	1.4	7.5	1.2	7.1	1.4	4.1	0.6	4.4	0.6	38	5.3
sbs024	312634	7697024	352	SL	150	323	34	114	21.8	3.2	21.2	3.9	27.8	5.8	18.5	3	20.7	2.8	173	10
sbs026	306239	7698850	339	SS	28	60	6	23	4.5	0.9	4.3	0.8	5.9	1.2	4	0.6	3.5	0.6	37	2.9
sbs027	306110	7699051	338	SS	48	98	11	36	6.5	1.3	5.1	0.9	5	1.1	3.4	0.5	3.4	0.5	30	3.4
sbs028	306115	7699086	338	SL	163	312	36	120	21.7	3	18.9	3.1	19.7	4.1	12	1.6	10.9	1.6	109	7.4
sbs029	302153	7686939	321	SS	32	68	7	24	4.8	1.3	4.1	0.8	5	1.1	3.3	0.5	3	0.5	32	1.4
sbs030	302226	7686930	322	EP	52	101	11	38	7.8	1.4	6.5	1.1	7.2	1.4	4.6	0.7	4.7	0.8	41	2.9
sbs031	302226	7686930	322	EP	97	199	21	76	14.6	2.3	12.8	2.1	13.3	2.7	8.1	1.2	7.4	1.1	79	4.1
sbs032	302226	7686930	322	EP	114	219	26	90	17	2.7	15.4	2.7	15.6	3.3	10.7	1.5	10.2	1.6	105	5.2
sbs033	316397	7666125	324	SL	99	214	24	83	16	2.8	16.5	3.1	20.2	4.7	14.1	2	16.2	2.5	135	8
sbs034	316941	7666220	325	SS	40	69	10	37	7.5	1.4	6.7	1.2	8	1.8	5.7	0.9	5.9	0.9	53	4
sbs035	317013	7666278	325	SL	49	103	11	40	7.9	1.7	7.8	1.4	9.3	1.6	5	0.8	5.5	0.9	51	3.9
sbs036	317000	7666334	325	SS	59	134	14	48	10.7	1.9	9	1.6	11.1	2.4	8.3	1.4	8.2	1.4	76	5.7
sbs037	316759	7666026	326	EP	48	91	11	38	7.7	1.6	7.4	1.4	8.4	1.7	5.8	0.8	5.2	0.8	57	3.9
sbs038	316759	7666026	326	EP	41	69	10	34	6.8	1.3	7.8	1.4	9.8	1.9	5.7	0.9	5.6	0.9	57	4
sbs039	316759	7666026	326	EP	49	88	11	38	7.4	1.6	8	1.3	8.5	1.9	5.5	0.8	5.7	0.8	56	3.5
sbs040	317200	7665234	324	SL	53	102	11	44	8.5	1.7	8.5	1.5	8.7	1.7	5	0.8	5.1	0.9	56	4.1
sbs042	317568	7664984	325	SL	65	120	14	51	9.3	1.6	9.2	1.6	10.6	2.1	6.2	0.9	6.7	1	62	4.2
sbs043	317951	7664393	323	SL	46	96	11	41	8	1.6	7.4	1.2	7.1	1.3	4	0.6	3.9	0.6	42	2.8
sbs044	319830	7661306	321	SS	47	178	11	36	6.3	1.3	5.5	0.9	5.4	1.1	3.4	0.5	3.2	0.5	34	2.4
sbs045	319773	7661219	322	SL	61	119	14	48	9	1.6	8.5	1.5	9.4	1.9	5.8	0.8	5.7	0.9	56	3.7
sbs046	327377	7650108	340	SS	111	232	25	86	16.5	2.4	14.3	2.5	15.4	3.2	9.7	1.5	9.7	1.6	95	8.4
sbs048	327364	7649620	337	SS	61	144	13	42	7.9	1.3	7	1.2	7.5	1.5	5.1	0.7	5.2	0.8	47	5.1
sbs049	328045	7649425	338	SS	130	273	27	87	16.4	2.2	13.9	2.3	12.9	2.5	7.5	1.1	7.1	1.1	75	10.7
sbs050	329008	7647704	349	SL	46	95	10	37	6.6	1.7	7	1.1	7	1.4	4.2	0.7	4.3	0.8	43	3.8
sbs051	325918	7643662	327	SL	100	219	22	75	14.4	1.9	10.9	1.9	12.1	2.5	7.7	1.1	7.2	1.1	71	5.9
sbs052	325219	7642791	321	SS	138	296	32	113	22.5	2.7	18.7	3.1	19.1	4	14	2.1	15.1	2.5	132	10.5
sbs053	320787	7638341	304	SS	50	155	11	38	7.9	1.4	8.8	1.6	12.3	2.8	8.6	1.2	8.1	1.1	88	5.1
sbs055	320558	7638338	306	SL	61	120	15	56	10.7	2.1	8.5	1.4	8.7	1.7	4.8	0.7	5.1	0.8	52	6.1
sbs056	319520	7643372	310	SL	43	85	11	38	7.4	1.4	6.1	1.2	6.5	1.3	4	0.6	4.1	0.7	42	3.1
sbs057	319177	7644101	307	SS	53	109	12	38	7.2	1	5.9	0.8	5	1	2.9	0.4	2.5	0.4	28	2.2
sbs058	319161	7644111	307	SS	22	48	5	18	3.6	0.7	3.1	0.5	3.1	0.6	1.9	0.3	1.9	0.3	18	1.7
sbs059	318266	7645417	314	SL	49	90	11	38	7.4	1.4	6.8	1	6.8	1.3	3.9	0.6	3.9	0.6	42	2.5
sbs060	305617	7631119	273	SL	43	86	9	36	6.6	1.5	5.9	0.9	5.9	1.1	3.1	0.4	3.1	0.5	36	2.4
sbs061	306233	7630020	269	SS	38	74	8	29	6	0.9	7	1.8	12.9	2.4	6.2	0.8	4.6	0.6	72	2.5
sbs062	306200	7629931	270	SS	29	61	6	20	3.9	0.6	3.5	0.6	4.4	0.9	3.5	0.5	4.1	0.7	29	2.6
sbs063	306534	7629421	274	SL	48	91	11	38	6.8	1.7	6.5	1.2	6.5	1.2	3.9	0.6	3.9	0.6	42	3.1
sbs064	308531	7625885	274	SL	41	88	10	37	7.9	1.5	6.8	1.1	6.8	1.4	4	0.6	3.9	0.7	42	2.7
sbs066	309730	7623645	276	SS	49	96	10	32	5.7	0.8	4.7	0.8	4.5	1	3.2	0.5	3.5	0.6	29	2.8
sbs067	307602	7615504	273	SL	29	64	7	26	5	1	5.1	0.8	5.2	1.1	3.3	0.5	3.2	0.5	33	1.8
sbs068	303681	7615145	264	SL	35	79	8	32	6.8	1.4	5.8	0.9	6.4	1.1	3.5	0.5	3.3	0.6	37	1.9
sbs069	299396	7616444	254	SL	30	70	8	30	6.3	1.2	5.5	0.9	5.5	1	3.3	0.4	3.1	0.6	34	2.1
sbs070	297255	7617160	252	SL	39	82	9	36	7	1.6	6.3	1	5.9	1.1	3.5	0.5	3.3	0.6	37	2.5
sbs071	296752	7617217	250	SS	28	61	6	22	4.6	0.5	3.9	0.7	3.4	0.7	1.9	0.3	2	0.3	23	1.7
sbs072	305046	7613598	264	SS	73	141	15	52	9.6	1.5	7.4	1.2	7.3	1.5	4.8	0.7	4.4	0.7	44	5.4
sbs074	308548	7611949	268	SS	9	20	2	9	1.9	0.5	1.6	0.3	1.7	0.3	1	0.1	0.9	0.1	10	0.8
sbs075	310683	7608058	276	SS	9	21	3	12	2.9	0.7	2.5	0.4	2.8	0.6	1.7	0.2	1.4	0.2	15	1.2
sbs076	305334	7633700	275	SL	28	66	8	28	5.9	1.3	5.5	0.9	5.3	1.1	3.5	0.5	3.3	0.7	39	5
sbs077	326760	7664901	341	SS	186	355	37	115	19.4	1.9	13.8	1.8	8.6	1.5	3.3	0.5	2.5	0.4	43	11.3
sbs078	327003	7663643	342	SL	57	118	13	49	8.8	1.3	8.1	1.2	7.1	1.5	4.8	0.7	4.8	0.8	47	3.8
sbs079	326526	7658865	341	SS	49	91	9	29	5.1	1	5.5	0.9	5.5	1.3	3.7	0.6	3.5	0.5	36	2.9
sbs080	325702	7657204	339	SL	68	139	15	55	10	1.7	8.4	1.4	7.8	1.5	4.8	0.7	4.2	0.8	50	4.2
sbs081	329798	7587437	328	SS	22	57	5	16	3	0.7	2.7	0.4	2.5	0.5	1.5	0.2	1.4	0.2	14	1.7
sbs082	328971	7667985	348	SL	27	60	7	24	4.6	1	4.8	0.8	4.7	1	3.2	0.5	3.3	0.5	33	2.5

sbs084	284396	7672038	270	SL	53	109	13	47	9	1.7	8.1	1.3	7.8	1.5	4.8	0.7	4.2	0.7	48	3.2
sbs085	288234	7671706	277	SL	68	123	16	59	11.4	2	10	1.6	9.5	1.8	5.5	0.8	5	0.9	53	3.1
sbs086	290624	7671496	281	SL	87	168	20	71	11.8	2.2	10.7	1.8	9.2	1.9	5.9	0.8	5	0.8	61	2.9
sbs087	294276	7670315	282	SL	75	161	18	62	10.2	2	10.3	1.5	9	1.8	5.3	0.8	5	0.9	57	3.2
sbs088	297122	7668916	286	SL	47	96	11	39	6.7	1.5	6.6	1	6.2	1.3	3.9	0.6	4	0.6	39	2.6
sbs089	301575	7666004	294	SL	35	77	9	33	6.5	1.5	6	0.9	5.5	1.1	3.4	0.5	3.2	0.5	37	1.8
sbs090	304332	7665136	303	SS	40	77	9	29	5.9	1.2	5.1	0.8	4.8	1.1	3.3	0.5	3.6	0.5	33	3.1
sbs091	307275	7655427	298	SL	60	128	14	53	10.4	2	8.5	1.2	7.8	1.7	4.9	0.8	4.6	0.8	53	3.1
sbs093	290165	7623055	247	SL	36	74	9	33	7.2	1.6	6.3	1	6.4	1.2	4	0.6	3.9	0.6	39	2.9
sbs094	290957	7625276	248	SL	45	97	11	39	7.4	1.7	7.6	1.2	7.3	1.5	4.6	0.6	4.3	0.6	47	3.4
sbs095	291537	7625848	249	SS	16	38	4	15	3.2	0.7	3.3	0.6	3.6	0.8	2.7	0.4	2.7	0.4	25	2.4
sbs096	290758	7633110	254	SL	47	100	11	42	7.3	1.6	7.3	1.2	7.2	1.5	4.2	0.6	4.2	0.8	46	2.8
sbs097	288065	7645337	262	SL	35	70	9	32	6.1	1.3	5.9	0.9	5.6	1.1	3.3	0.5	3.4	0.5	36	2.2
sbs098	288755	7636497	257	SL	38	81	9	35	7.1	1.4	6	1	5.7	1.1	3.5	0.5	3.3	0.5	34	1.8

Sample Types: SL = Soil, SS = Stream Sediment, ES = Erosional Scarp, EP = Excavation Pit

Appendix 4 JORC Code, 2012 Edition - Table 1 (Auger Drilling, Surface Sampling and Airborne Electromagnetic Surveying)

Section 1 – Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	Nature and quality of sampling (e.g., 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.	In 2023, Neodys Ltd conducted a shallow, wide spaced auger drilling program designed to (a) determine the depth of saprolite and saprock and (b) test for the presence at depth and lateral extent of anomalous rare earth mineralisation overlying the granite plutons of the Sybella Batholith. A total of 82 auger holes were drilled across the central part of the Sybella Batholith. One-metre drill cuttings were collected from the drill collar using a modified shovel. Auger cuttings were deposited in metre piles on a clean tarp by the driller's offsider. 2-3 kg samples of dry cuttings were transferred to calico bags by a field technician using a stainless-steel scoop. In 2022, Neodys Ltd conducted a surface sampling program across the project area. Samples were collected from a depth between 5 to 30 cm below surface and sieved in the field to -0.5 mm, achieving sample weights between 100 and 200 g. Airborne electromagnetic data was collected using a Tempest™ 25 Hz system by Fugro Airborne Surveys Pty Ltd. Data was collected in N-S oriented lines at a nominal terrain clearance of 120m. Line spacing was 1000m. The survey was industry standard settings for the Tempest system. • The soil sampling techniques are considered standard industry practice.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	Auger sampling was continuous downhole starting from the top of saprolite or saprock until blade refusal. Overlying transported cover (composed of aeolian sand and basal quartz pebble lags) was not routinely analysed.
	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 (e.g., '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 (e.g., submarine nodules) may warrant disclosure of detailed information.	Auger samples: A total of 294 1-metre samples (unknowns) were submitted for analysis. All results are provided in Appendix 3. Soil samples: A total of 132 samples were collected and submitted for analysis. All results are provided in Appendix 4. REE mineralisation in the granite saprolite is assumed to be associated with fine-grained (2mm to <50 micron) accessory minerals including allanite, monazite, zircon, xenotime, bastnaesite, parisite, and synchysite. These minerals are assumed to be evenly distributed throughout the rock mass.
Drilling techniques	Drill type (e.g., core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g., core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc.).	The auger program was completed using a small, trailer mounted auger rig towed behind a light vehicle.
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed.	Auger sampling: metre samples were laid out on a tarp next to the auger rig. Metre pile sizes were monitored by the logging geologist. The holes were typically completed due to blade refusal in the underlying fresh granite. The final sample of a hole was typically less than a full metre. This information was noted on the drill logs to a resolution of 0.1m.

		Surface sampling: sample recovery is considered representative and complete. Practices to avoid surface contamination were strictly adhered to.
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	Auger sampling: The logging geologist visually monitored the metre piles for consistent recovery. The field technician would fill a numbered calico bag with 3-4kg of cuttings using a small scoop. The tarp, piles and calico bags were photographed for future reference. The samples were then transported to Neodys' Mount Isa base. Between 100g and 250g of material was taken from each calico bag and transferred to paper Geochem bag by the Senior Geologist using multiple scoops with a stainless steel tea spoon. Care was taken to collect each spoonful from a different part of the cuttings volume. The weights of each bag were recorded. No relationship between sample weight and grade was observed in the assay data. Surface sampling: sample recovery is considered representative and complete. Practices to avoid surface contamination were strictly adhered to.
	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.	Any relationship between sample recovery and grade have not been investigated at this early stage.
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.	Auger dry chip samples were logged by the logging/rig geologist. No geotechnical logging was attempted. The level of logging was deemed appropriate for regional reconnaissance. The logging is not currently deemed to be detailed enough to significantly contribute to mineral resource estimation, mining studies and metallurgical studies. Surface sample sites were described noting landform and nature of soil media.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.	Auger chip logging was qualitative in nature. Chip pile and chip tray photographs were taken and are kept as a digital archive. Surface sampling desriptions are considered qualitative in nature.
	The total length and percentage of the relevant intersections logged.	Auger holes were logged from surface to end of hole.
Sub-sampling techniques and sample preparation	If core, whether cut or sawn and whether quarter, half or all core taken.	No core was collected.
	If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.	Auger sampling: dry, 1-metre chip piles (laid on a tarp) were sampled with repeated scoops using a stainless-steel scoop. Care was taken to scoop material from different parts of the chip pile. Approximately 10-15 scoops were needed to fill a calico sample bag. Surface sampling: samples were collected using a steel shovel and sieved passing -2 mm in the field to produce a nominal 100 to 200 g field sample.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	Samples were prepared with standard splitting and pulverisation techniques at ALS Mt Isa (method PUL-31).
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	Assayed CRMs were compared to certified CRM values to ensure consistency. Duplicate (sample replicate) assays were cross plotted and compared to ensure the repeatability and accuracy of the assays. Blanks were assessed to ensure that contamination as not detected.
	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.	Field duplicate sampling was not conducted at this early stage. The sample representivity was deemed to be acceptable for regional-scale anomaly detection.

	Whether sample sizes are appropriate to the grain size of the material being sampled.	100g to 200g material was deemed to sufficient material to be dispatched for pulverisation and analysis. The sample representivity was deemed to be acceptable for regional-scale anomaly detection.
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.	Pulverised powders were analysed using ALS method ME-MS81 which utilises lithium borate fusion prior to complete acid digestion and ICP-MS analysis. This method is the most quantitative analytical approach the majority of trace elements including REE.
	For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.	No geophysical tools were used to report element concentrations.
	Nature of quality control procedures adopted (e.g., standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e., lack of bias) and precision have been established.	Anonymised standards and sample duplicates (replicates) were routinely added to the sample batches that were sent off for laboratory preparation and analysis. An Oreas quartz blank and certified reference material (alternating Oreas 20a and 460) were added at a frequency of 1 blank and 1 CRM per 40-45 unknowns. Duplicate samples were added at a frequency of 1 per 14-18 unknowns. Samples were analysed using ALS method ME-MS81 ('trace elements by lithium borate fusion'). Duplicate cross plotting and compassion of CRM values with certified values yielded acceptable levels of accuracy and precision. External laboratory checks have not been conducted at this early stage.
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	Results were reviewed by the Senior Geologist and the Principal Geologist.
	The use of twinned holes.	None of the holes were twinned.
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Paper log sheets were used to log the auger holes. Standard logging codes were used that were appropriate to the logging of drill cuttings. Assay data is retained in both the original certificate (.pdf) form, where available, and the text files received from the laboratory. Logging data is stored in paper form, as digital photographs of the hand filled logs, and as excel sheets (one per hole).
	Discuss any adjustment to assay data.	Element oxides are calculated from the reported element assay values using the conversion factors in the table below. NdPr values are the sum of the oxide concentrations for neodymium and praseodymium.

Element	Element Oxide	Factor
La	La_2O_3	1.1728
Ce	CeO_2	1.2284
Pr	Pr_6O_{11}	1.2082
Nd	Nd_2O_3	1.1664
Sm	Sm_2O_3	1.1596
Eu	Eu_2O_3	1.1579
Gd	Gd_2O_3	1.1526
Tb	Tb_4O_7	1.1762
Dy	Dy_2O_3	1.1477
Ho	Ho_2O_3	1.1455
Er	Er_2O_3	1.1435
Tm	Tm_2O_3	1.1421
Yb	Yb_2O_3	1.1387
Lu	Lu_2O_3	1.1371
Y	Y_2O_3	1.2699
U	U_3O_8	1.1792

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.	The collar positions were surveyed by handheld GPS using GDA94, Zone54 datum. GPS locations are accurate to about 3-6m.
	Specification of the grid system used.	GDA94, zone 54
	Quality and adequacy of topographic control.	GPS derived elevations were checked against values from the SRTM 1 arc second digital elevation model. Values typically deviated by less than 3 metres. This method was deemed appropriate due to the low-relief character of the drilling sites within the project area.
Data spacing and distribution	Data spacing for reporting of Exploration Results.	Auger drilling locations were widely space, reflecting the regional objectives of the auger program. Surface samples were either collected at 50 m spacing along pre-defined sample lines or collected at variable spacing. Airborne electromagnetic data was collected in N-S oriented lines at a nominal terrain clearance of 120m. Line spacing was 1000m.
	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.	The data spacing and distribution is not considered to be sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation.
	Whether sample compositing has been applied.	No sample compositing occurred.
Orientation of data in relation to geological structure	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	The auger drilling was designed to sample a vertical section though the weathering profile of saprolite and saprock overlying the fresh granite bedrock. Mineralised portions of the saprolite were expected to be sub-horizontally oriented (i.e. broadly parallel to the land's surface). Follow-up drilling would be required to determine if the mineralised intervals are inclined rather than flat lying. Limited drilling has been completed to confirm the optimal sampling orientation. Exploration results are reported and no estimate is completed as further works are required. TheTempest™ airborne electromagnetic survey lines were oriented N-S. This provides the optimal orientation for sampling E-W oriented festures. The broadly E-W oriented drainages emanating form the Sybella Batholith provided a 'first guess' for the orientation of any paleochannels underneath the Barkly Tableland. Broad, flat-lying clay bodies are relatively insensitive to survey orientation.
	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.	The presence of orientation bias cannot be assessed at this early stage.
Sample security	The measures taken to ensure sample security.	Auger cuttings were logged and sampled in the field with chip tray records and one metre samples collected and delivered to Neodys' Mount Isa base by the logging geologist and field technician at the end of each day. Paper geochem bags were prepared from each calico sample by the senior geologist and personally delivered to ALS Mt Isa for preparation and analysis. Surface samples were collected and delivered to Neodys' Mount Isa base by the logging geologist and field technician at the end of each day. Sample bags were prepared by the senior geologist and personally delivered to ALS Mt Isa for preparation and analysis.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	No external audits have been undertaken at this early stage.

Section 2 – Reporting of Exploration Results

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 Sybella-Barkly project is located within EPMs 28250, 28252, 28254, 28255, 28331, 28332, 28333, 28334, 28335, 28336, 28337, 28338, 28339, 28340, 28341, 28356, 28357, and 28361 which are located in northwest Queensland, Australia. The Sybella-Barkly Project was granted 'Exploration Project Status' (ref: PROJ 0254) by the Queensland Government on 30 November 2023. The Sybella-Barkly Project is 100% owned and operated by Basin Energy Ltd. The Sybella-Barkly project area overlies the native title areas of the three registered native title groups: the (1) Indjalandji-Dhidhanu people, (2) Kalkadoon people, and the (3) Bularnu Waluwarra Wangkayujuru people . An ancillary exploration access agreement has been established with the Indjalandji-Dhidhanu native title party (Indjalandji-Dhidhanu Aboriginal Corporation RNTBC). Exploration access to the native title lands of the Kalkadoon people, and the Bularnu Waluwarra Wangkayujuru people are currently covered by the 'expedited procedure' of the Queensland 'native title protection conditions' (NTPCs). There are currently no active 'conduct and compensation agreements' (CCAs) between Basin Energy Ltd and pastoral title holders within the Sybella-Barkly Project area. The Sybella-Barkly Project is covered by two Environmental Authority Permits: P-EA-100193566 (28250, 28252, 28254, 28255) and P-EA-100224474 (EPMs 28331, 28332, 28333, 28334, 28335, 28336, 28337, 28338, 28339, 28340, 28341, 28356, 28357, and 28361). The following protected areas partially overly the Sybella-Barkly Project area: (1) Endangered regional ecosystems along selected perennial water ways, (2) Strategic environmental area (SEA) designated precincts along selected perennial waterways, (3) 'Moonah Creek 'Hanging Tree'' state heritage place (see map here: https://georesglobe.information.qld.gov.au/qldglobe/public/nd_enviro-0).
	The security of the tenure held at the time of reporting along with any known impediments to obtaining a license to operate in the area.	The tenements are in good standing.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Apart from the recent sampling and auger drilling carried out by Neodys Ltd in 2022 and 2023, there has been no exploration conducted by parties targeting REE mineralisation within the Sybella Barkly Project. Four shallow auger holes and a single diamond drillhole were drilled in 1977 following up on radiometric uranium anomalies along the western margin of the outcropping Mount Isa Inlier in the northern part of the Sybella-Barkly Project area. Exploration for paleochannel-hosted uranium mineralisation was conducted in 2007. An airborne electromagnetic survey was completed. No follow-up drilling was done.
Geology	Deposit type, geological setting and style of mineralisation.	Basin Energy's exploration team considers that the Sybella Barkly Project potentially hosts four mineral deposit styles: 1. Granite-hosted, bulk tonnage, weak-acid soluble rare earth fluoro carbonate deposits similar in style to Red Metal Ltd's adjacent Sybella REE project. This deposit style occurs in rare earth element-enriched granitic rocks such as the various plutons of the Sybella Batholith. 2. Large, shallow, bulk tonnage, REE mineralisation hosted in clay-rich alluvial deposits underlying the Barkly Tableland. These alluvial deposits are composed of sedimentary material derived from the long-term erosion of REE-enriched Sybella Batholith granite source rocks. 3. 'Honeymoon-style' paleochannel uranium deposits within the sedimentary units underlying the Barkly Tableland. The ultimate source rocks for the sediment-hosted uranium are the U-rich granites of the Sybella Batholith. 4. 'Valhalla-style' shear hosted uranium mineralisation along the northern margin of the Sybella Batholith and within the granite itself.
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	Auger hole information is included in Appendix 2. Surface sample locations are included in Appendix 4.

	holes: o easting and northing of the drill hole collar o elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar o dip and azimuth of the hole o down hole length and interception depth o 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.	Exclusion is not justified.
Data aggregation methods	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g., cutting of high grades) and cut-off grades are usually Material and should be stated.	No data aggregation methods have been applied
	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.	Not applicable - see above
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalent values have been reported.
Relationship between mineralisation widths and intercepts lengths	These relationships are particularly important in the reporting of Exploration Results.	At this early stage of exploration is it not possible to confidently estimate the orientations of mineralisation or determine true widths.
	If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.	Mineralised intersections are suspected to be sub-horizontal, however, this remains to be conclusively tested.
	If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g., 'down hole length, true width not known').	Down hole length, true width is not known at this early stage.
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.	No significant discovery, refer to figures 5 and 7 within the body of this report for auger drilling results and appendix 2 & 3 for tabulated results. Refer to appendix 4 for tabulated results of surface sampling.
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.	All exploration data is reported in Appendix 2-5 and the text of this announcement.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results;	1. Neodys Ltd re-assayed selection whole rock powders from the 'OZCHEM' national lithogeochemical archive held by Geoscience Australia in 2022. Samples included in the OZCHEM lithogeochemical archive were contributed by staff geologists of Geoscience Australia (GA; formerly

	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.	AGSO, formerly BMR) as well as geologists from the Geological Survey of Queensland. These samples were typically collected from the freshest rock outcrops to provide baseline compositional data on the represented lithological units. The exact sampling protocols are varied however they would have broadly conformed to scientific best practice methods for the era in which the samples were collected (generally from the late 1970s through to the mid 1990s). The re-samples were selected by Neodys geologists to provide a representative geochemical dataset for the entire Sybella Batholith. Re-analysis was deemed necessary as the original OZCHEM data did not routinely include analysis of the full suite of 14 naturally occurring lanthanide-series rare earth elements. The powders were analysed using ALS method ME-MS81 ('trace elements by lithium borate fusion'). A collection of appropriate reference standards and duplicate samples were added at a frequency of one standard and one duplicate per ten unknowns. Results are provided in the supporting appendices and report figures. 2. Neodys Ltd completed a regional-scale geochemical survey 2022. This combined program collected widely spaced soil, erosion bank profile, and stream sediment samples from across the Sybella-Barkly Project area. A total of 87 samples (unknowns) were submitted for analysis using ALS method ME-MS81('trace elements by lithium borate fusion'). Certified reference material (Oreas 45f) was added at a frequency of 1 CRM per 23-27 samples (unknowns). Duplicate samples were added at a frequency of 1 duplicate per 9-11 samples (unknowns). Results are provided in the supporting appendices and report figures. 3. The Northern Australia Geochemical Survey (NAGS) analysed catchment soil geochemistry from across northwest Queensland and the Northern Territory. The survey was completed by Geoscience Australia. These data highlighted a cluster of catchments on the Barkly Tableland that exhibit regionally elevated rare earth element concentrations. Results are provided in the supporting appendices and report figures. These catchments, which underlie Basin Energy's Sybella-Barkly Project, contain alluvial sediments derived from erosion of the REE-enriched plutons of the Sybella Batholith. 4. Tempest™ airborne aeromagnetic data acquired in 2007 over the Sybella-Barkly Project Area was collected to test for the presence of U-prospective paleochannels underlying the eastern Barkly Tableland. The AEM inversion models indicated the presence of broad, flat-lying conductive anomalies as well as narrow anastomosing, branching features underlying large parts of the Sybella-Barkly Project (see report figures). 5. A custom filter of the statewide regional radiometric (raster) dataset was developed to search for 'Valhalla-style' radiometric anomalies. The filter was created using the following equation: **(uranium-channel^2)/potassium-channel** The expected signature of this filter is to highlight anomalous uranium responses in areas with comparatively low potassium response. This filter was first tested over the Valhalla camp of U-deposits and then applied to the (typically potassium rich) Sybella Batholith granites that the surrounding country rocks.
Further work	The nature and scale of planned further work (e.g., tests for lateral extensions or depth extensions or large-scale step-out drilling).	1. Shallow aircore drill program to test for sediment-hosted REE mineralisation and sediment-hosted U-mineralisation within the alluvial sediments underlying the eastern Barkly Tableland. 2. Mapping and rock chip sampling of the Northern Sybella Batholith granites (Keithys Granite and the Kitty Plain Microgranite) and the adjacent country rocks to test for the presence of Valhalla-style U-mineralisation and/or associated alteration halos.

		3. RC drill program to test the depth continuity of anomalous REE mineralisation identified in shallow auger 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.	Refer to diagrams in this announcement.