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ASX ANNOUNCEMENT

10 November 2026

Bayan
Mining and Minerals Limited

MAIDEN DRILLING PROGRAM CONFIRMS NEAR SURFACE RARE EARTH MINERALISATION AT DESERT STAR

Highlights

- **Maiden Drill Completed:** six reverse circulation (RC) holes totalling 856 m (2,808 ft) completed at the Company's 100% owned Desert Star Rare Earth Project in California.
- **Five of Six Holes Returned Intercepts Above 1,000 ppm TREO, including:**
  - DS-001 intercepts 12.2 m @ 2,263 ppm TREO from 16.8 m, including 3.0 m @ 3,497 ppm TREO from 18.3 m.
  - DS-006 intercepts 13.7 m @ 1,717 ppm TREO from 12.2 m and 3.0 m @ 2,184 ppm TREO from 38.1 m.
  - DS-002 returned three intercepts within a 41.1 m interval from 64.0 m: 4.6 m @ 2,027 ppm TREO from 64.0 m, 10.7 m @ 1,607 ppm TREO from 74.7 m and 9.1 m @ 1,032 ppm TREO from 96.0 m. DS-002 ended in mineralisation, with 1.5 m @ 1,146 ppm TREO in the last sample.
- **Two Interpreted Mineralisation Styles:** REE associated with apatite in shonkinite dykes, and with monazite and allanite in gneiss and felsic intrusive rocks, subject to further mineralogical confirmation.
- **Magnet Rare Earth Component:** Neodymium and praseodymium oxides (NdPr) accounts for up to 20% to 24% of TREO in all intercepts.
- **Follow-up Exploration Potential:** Six (6) holes tested four (4) locations within the 6.29 km^2 Desert Star claim block. The shonkinite dykes remain open and the deeper part of the modelled geophysical anomaly remains untested.
- **Strategic Land Expansion:** Bayan has staked and filed an addition five (5) claims proximal to known geochemical and geophysical REE anomalies.
- **Strategic Location of Desert Star:** Bayan's Desert Star Project is strategically located just 4.5 km northeast of MP Materials' Mountain Pass REE Mine, one of the largest and highest-grade rare earth operations globally. Desert Star North Project lies only 3 km north of the Dateline Resources' Colosseum Gold Mine. Both properties are located within the same regional corridor and share structural and geological characteristics with the globally significant Mountain Pass REE Mine.

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Bayan Mining and Minerals Ltd (ASX: BMM; "BMM" or "the Company") is pleased to announce the assay results from its maiden reverse circulation (RC) drill program ("Maiden Drill Program") at the 100% owned Desert Star Rare Earth Project in San Bernardino County, California, USA.

The program was designed to validate the Company's geological interpretation and to test the subsurface continuity of priority REE targets defined through surface sampling, detailed ground geophysics surveys and a district-calibrated 3D geophysical interpretation.

Six holes were completed for 856 m at four locations. Five of the six holes returned intercepts above 1,000 ppm TREO. The best results came from shonkinite dykes intersected from 12.2 m downhole in DS-006 and 16.8 m downhole in DS-001, and three intercepts within a 41.1 m interval from 64.0 m downhole in DS-002. All reported widths are downhole lengths; true widths are not known.

Chief Executive Officer, Nathan Kong commented:

"Our maiden drill program has delivered the first subsurface confirmation of rare earth mineralisation at Desert Star. Five of the six holes returned intercepts above 1,000 ppm TREO, led by 12.2 m @ 2,263 ppm TREO from 16.8 m in DS-001, while DS-002 returned three intercepts within a 41.1 m interval from 64.0 m, including 10.7 m @ 1,607 ppm TREO.. This represents a significant milestone for Bayan, advancing Desert Star from a surface-defined target to a drill-confirmed rare earth system.

The reported mineralised intervals contain approximately 20% to 24% NdPr oxides as a proportion of TREO. This magnet rare earth content is a favourable attribute of the mineralisation, and further mineralogical and metallurgical work is required to assess recoverability. The shonkinite dykes remain open and the deeper part of the modelled geophysical anomaly is untested, providing clear scope for follow-up drilling.

With only four drill locations tested to date, our immediate focus is to integrate the new drilling data, complete the fusion re-assay program and systematically rank the remaining targets for follow-up drilling."

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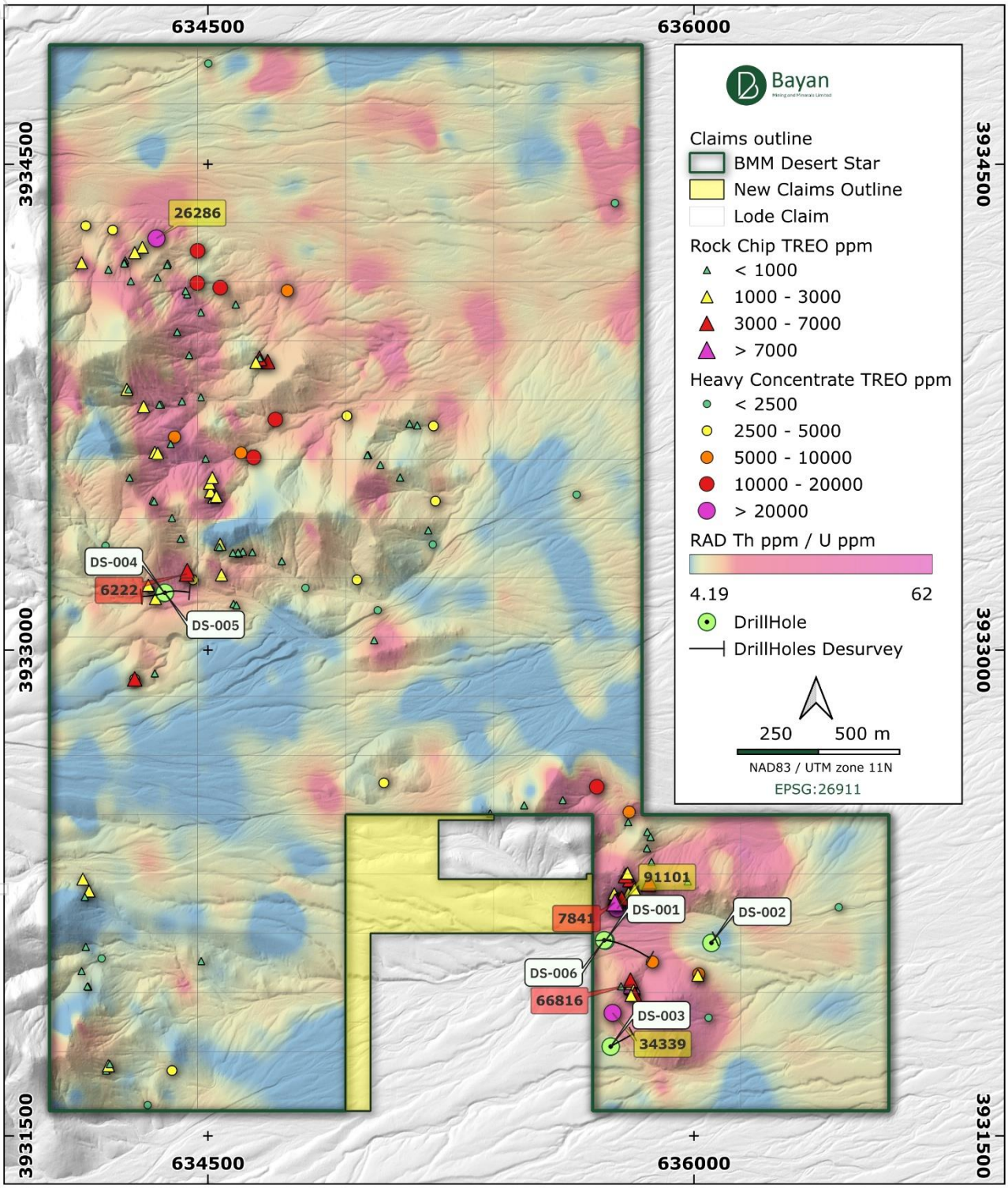


Figure 1: Desert Star - Plan view showing drill hole locations over radiometric survey

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Holes were drilled vertically or inclined at -45° to -60°. Hole depths ranged from 61 m to 198 m downhole. All holes were surveyed with a SlimGyro multishot tool at 20 ft (6.1 m) intervals.

RC chips were sampled on 5 ft (1.52 m) intervals from surface to end of hole. A total of 562 samples and 56 quality control samples were submitted to ALS in Reno, Nevada, for sample preparation and analysed at ALS Vancouver, Canada. REE and multi-elements were analysed by sodium peroxide fusion with ICP-MS finish (ALS method ME-MS89L).

50 samples were reanalysed using lithium borate fusion (ME-MS81), which returned 17% more TREO in aggregate, predominantly within the gneiss and granite. All results reported in this announcement are based on the original ME-MS89L assays and are therefore considered conservative, with the fusion re-analysis indicating potential upside to the reported TREO grades.

The results represent a significant milestone for the Company, providing the first subsurface confirmation of REE mineralisation at Desert Star. The drilling identified two styles of mineralisation, both carrying a consistent NdPr content of 20% to 24% of TREO and established the first subsurface control on host lithologies and structure. Most of the project area remains untested.

Drilling Results

Five of the six holes returned intercepts above 1,000 ppm TREO. Intercepts of 3.0 m or more are listed in Table 1. All significant intercepts, including single 1.5 m samples, are listed in Appendix 2.

Intercepts are length-weighted averages using a 1,000 ppm TREO lower cut-off. Intervals start and end on samples above 1,000 ppm TREO and include no more than 3.0 m of consecutive material below 1,000 ppm. Included intervals use a 2,000 ppm TREO or 3,000 ppm TREO cut-off where the broader interval exceeds 2,000 ppm. All widths are downhole.

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Hole	From (m)	To (m)	Width (m)	TREO* (ppm)
DS-001	16.8	29	12.2	2,263
including	18.3	21.3	3	3,497
DS-002	64	68.6	4.6	2,027
DS-002	74.7	85.3	10.7	1,607
including	80.8	83.8	3	2,343
DS-002	96	105.2	9.1	1,032
DS-003	6.1	12.2	6.1	1,479
including	9.1	12.2	3	2,306
DS-004	36.6	41.1	4.6	1,255
DS-006	12.2	25.9	13.7	1,717
DS-006	38.1	41.1	3	2,184

Table 1: Significant intercepts at the Desert Star Project, length-weighted and presented above a lower cut-off of ≥1,000 ppm TREO

*TREO = La_2O_3 + CeO_2 + Pr_6O_{11} + Nd_2O_3 + Sm_2O_3 + Eu_2O_3 + Gd_2O_3 + Tb_4O_7 + Dy_2O_3 + Ho_2O_3 + Er_2O_3 + Tm_2O_3 + Yb_2O_3 + Lu_2O_3 + Y_2O_3. Widths may not sum exactly because of rounding. DS-005 returned no significant intercept.

DS-001 and DS-006 were collared from the same drill pad at different dips and both intersected shonkinite, an ultrapotassic mafic dyke rock, below about 11 m to 12 m (vertical) of alluvium. REE are hosted mainly in apatite. The highest single sample in the program, 3,863 ppm TREO, came from DS-001 at 19.8 m to 21.3 m. DS-001 also returned three single-sample intercepts between 123 m and 172 m in gneiss and an interpreted fault zone.

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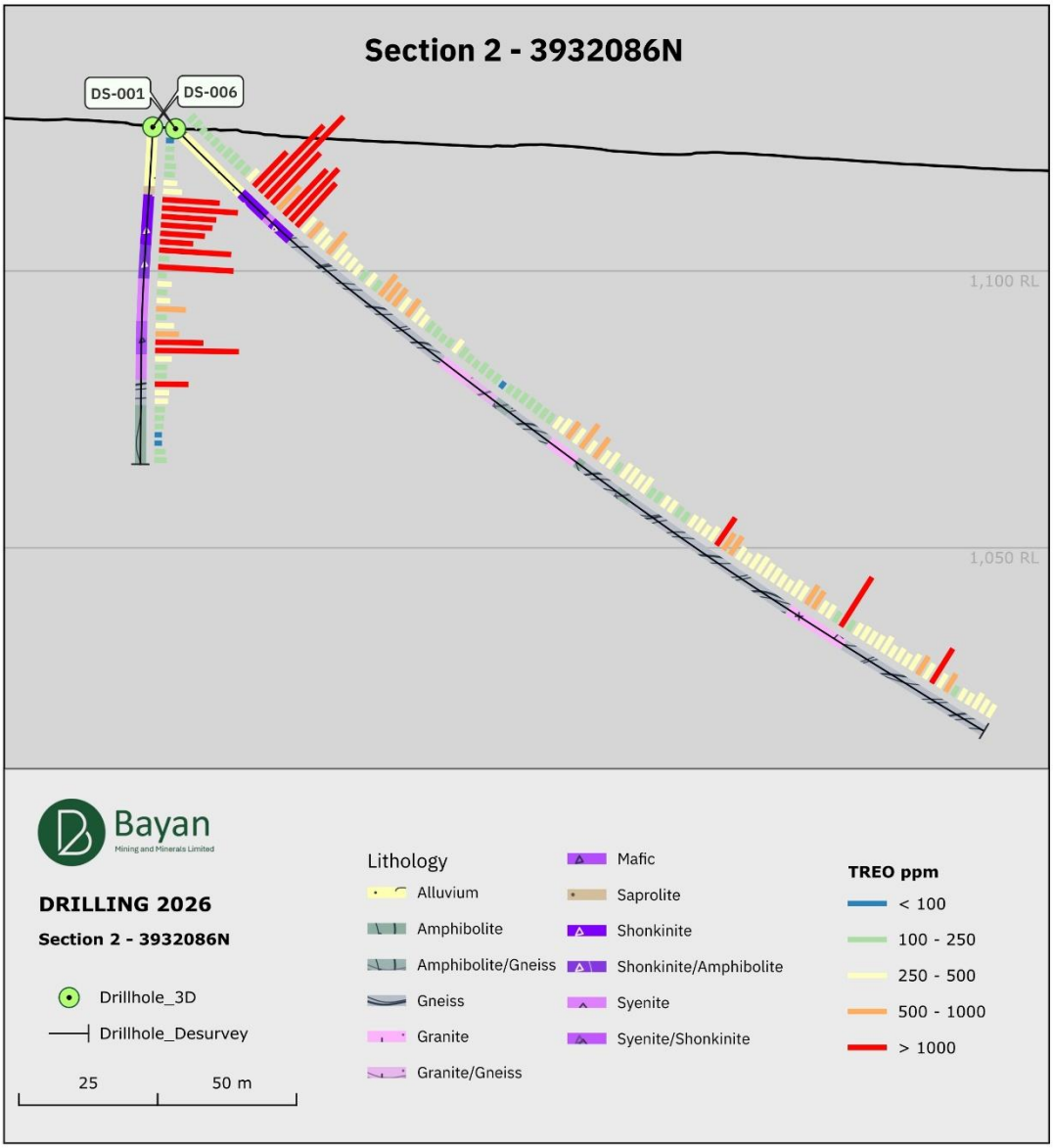


Figure 2: Cross-sections through DS-001 and DS-006 (looking north-northwest) showing interpreted geology and TREO values (ppm)

DS-002, approximately 330 m east of DS-001, returned three intercepts between 64.0 m and 105.2 m in an REE zone hosted by biotite gneiss, K-feldspar rich interval and amphibolite. Without a lower cut-off, the zone averages 1,056 ppm TREO over 41.1 m from 64.0 m, 4.6 m @ 2,027 ppm TREO from 64.0 m, 10.7 m @ 1,607 ppm TREO from 74.7 m and 9.1 m @ 1,032 ppm TREO from 96.0 m. The hole ended in mineralisation, with 1.5 m @ 1,146 ppm TREO in the last sample from 196.6 m.

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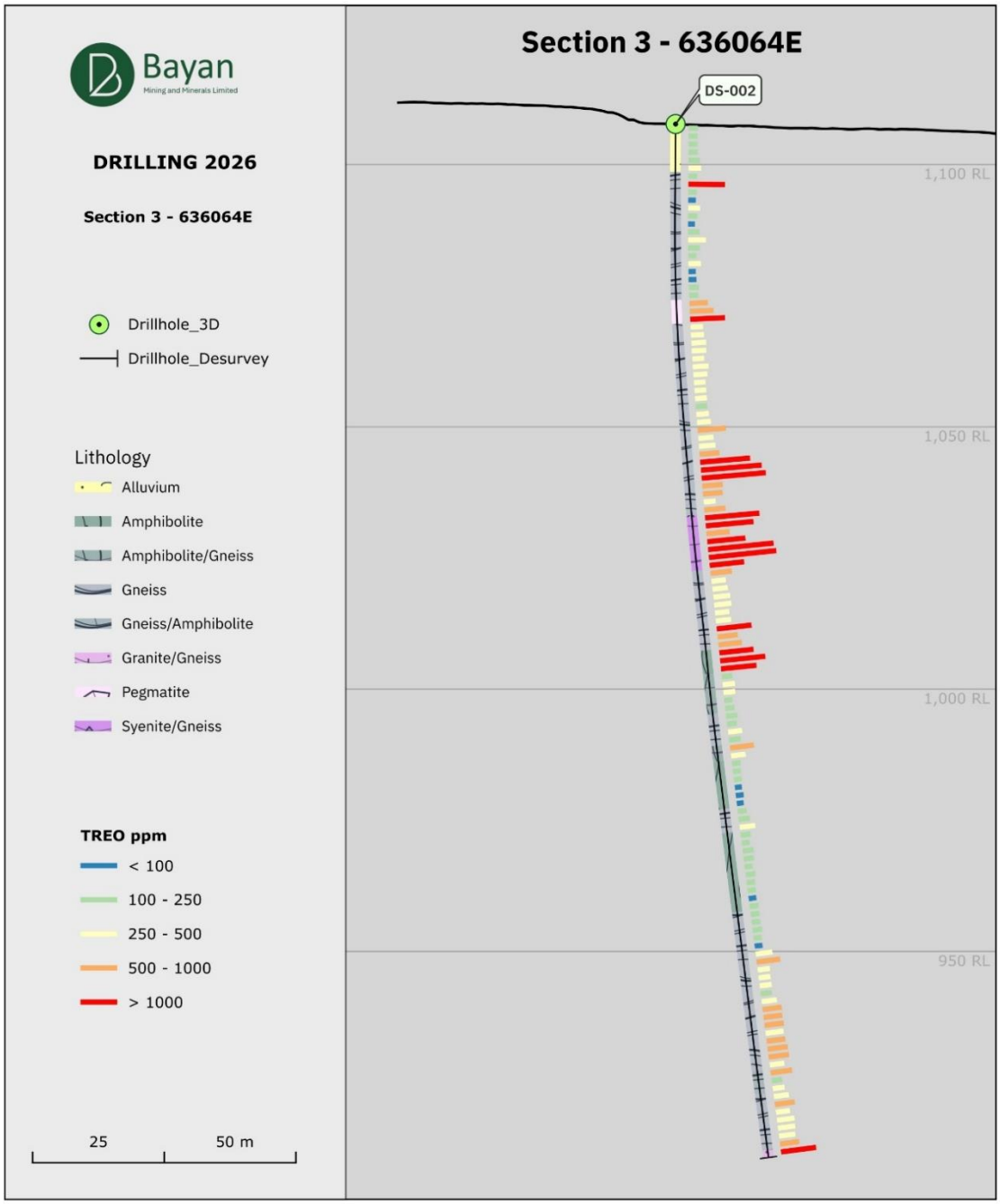


Figure 3: Cross-sections of DS-002 (looking northwest) showing interpreted geology and TREO values (ppm)

DS-003, about 330 m south of DS-001, intersected an REE-bearing horizon directly below the alluvium, returning 6.1 m @ 1,479 ppm TREO from 6.1 m, including 3.0 m @ 2,306 ppm TREO from 9.1 m. A further 1.5 m @ 1,084 ppm TREO was returned from 51.8 m.

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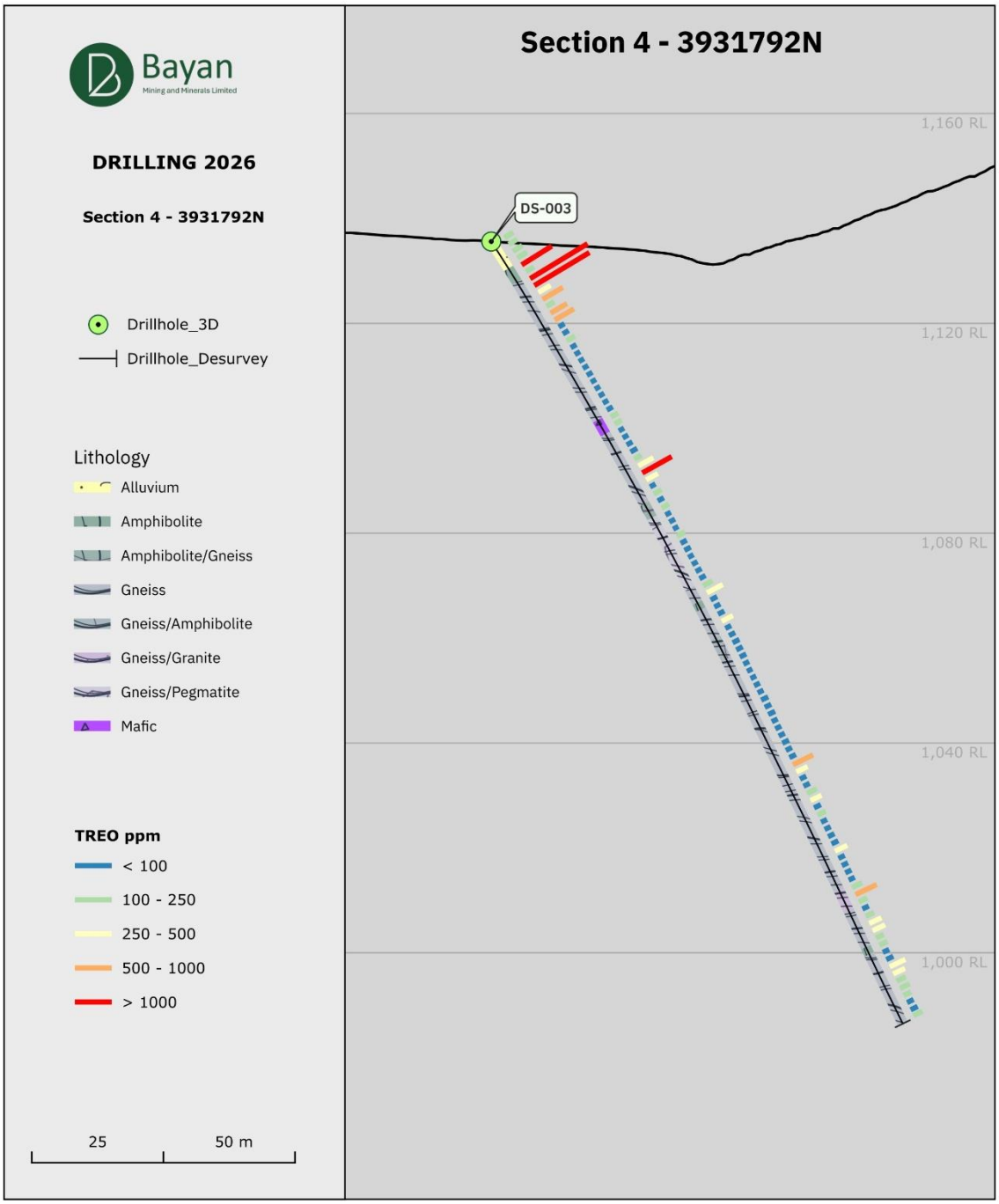


Figure 4: Cross-sections of DS-003 (looking northwest) showing interpreted geology and TREO values (ppm)

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DS-004 and DS-005 were drilled from the same location about 1.7 km north-west of DS-001. Both holes were collared in K-feldspar granite with disseminated REE, averaging about 650 ppm TREO over 86.9 m in DS-004. DS-004 returned 4.6 m @ 1,255 ppm TREO from 36.6 m, where a shonkinite dyke cuts the granite, as well as two further single-sample intercepts. DS-005, drilled to the east-northeast, passed out of the granite at 38 m downhole and returned no significant intercept.

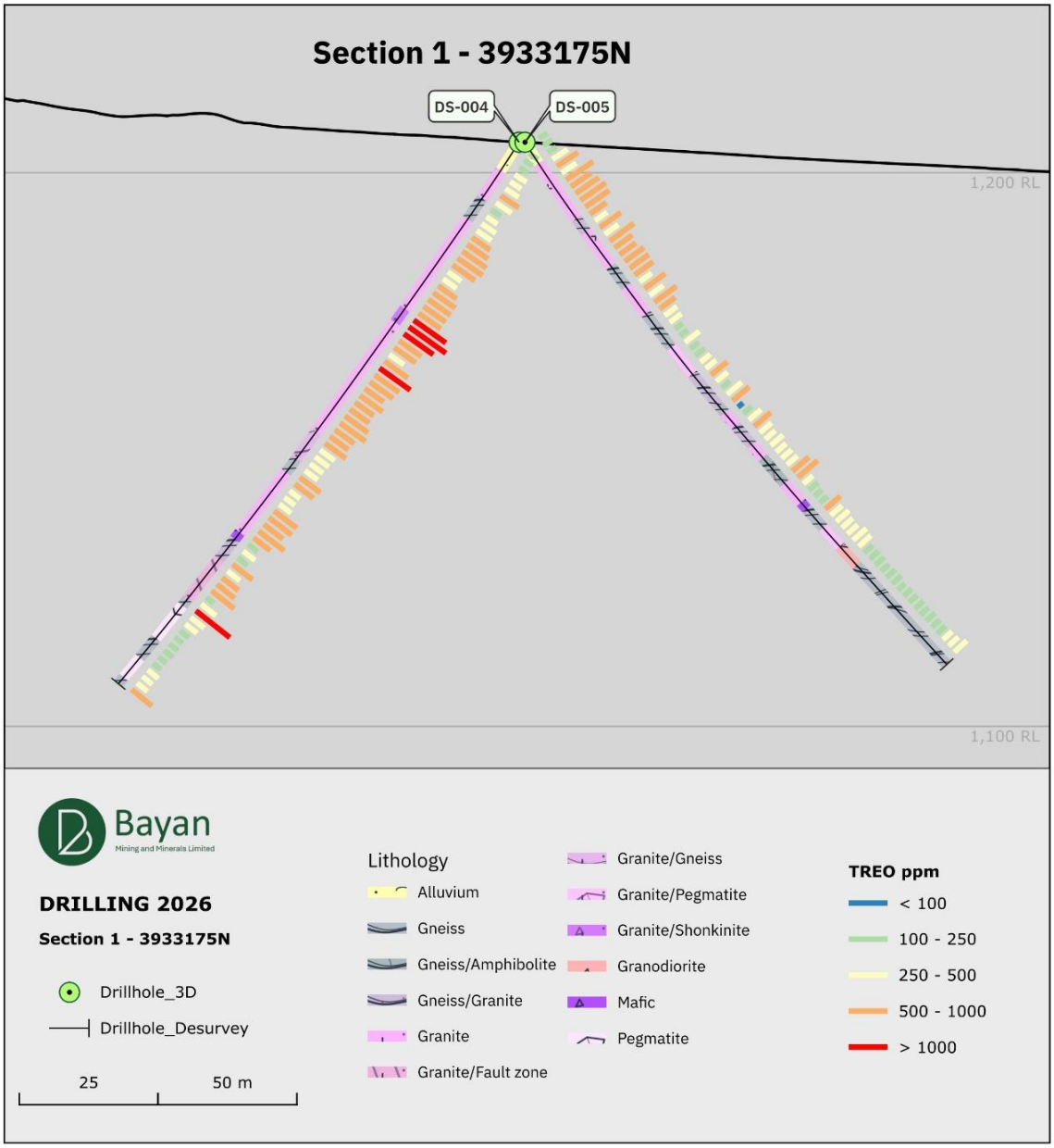


Figure 5: Cross-sections through DS-004 and DS-005 (looking north-northwest) showing interpreted geology and TREO values (ppm)

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Geology and Interpretation

The drilling intersected two styles of REE mineralisation in Paleoproterozoic basement below 4.6 m to 16.8 m (downhole) of alluvium and calcrete. The basement is plagioclase-rich and biotite gneiss with amphibolite, intruded by K-feldspar granite and syenite and by shonkinite dykes.

Both styles carry a consistent NdPr content. The shonkinite dykes returned the highest grades in the program and were intersected in three holes at two locations 1.7 km apart. Their extent, orientation and number are not yet known, and they remain open in all directions.

Strategic Land Expansion

Bayan has staked five (5) additional federal lode claims at Desert Star and filed them with the U.S. Bureau of Land Management. The claims are located close to known geochemical and geophysical anomalies. The additional claims secure prospective ground for follow-up exploration as the Project advances.

Next Steps

The Maiden Drill Program has confirmed near-surface REE mineralisation at Desert Star, with five of six holes returning intercepts above 1,000 ppm TREO. With the high-grade shonkinite dykes open in all directions, the Company plans to integrate the drilling results into the Desert Star geological model to define the most prospective areas for follow-up exploration, including:

- Systematic soil geochemistry program over geophysical anomalies
- Trenching program over areas coincident with soil and geophysical anomalies
- Mapping and sampling to define the extent, orientation and number of the shonkinite dykes
- Re-assay of selected mineralised intervals by lithium borate fusion (ME-MS81)

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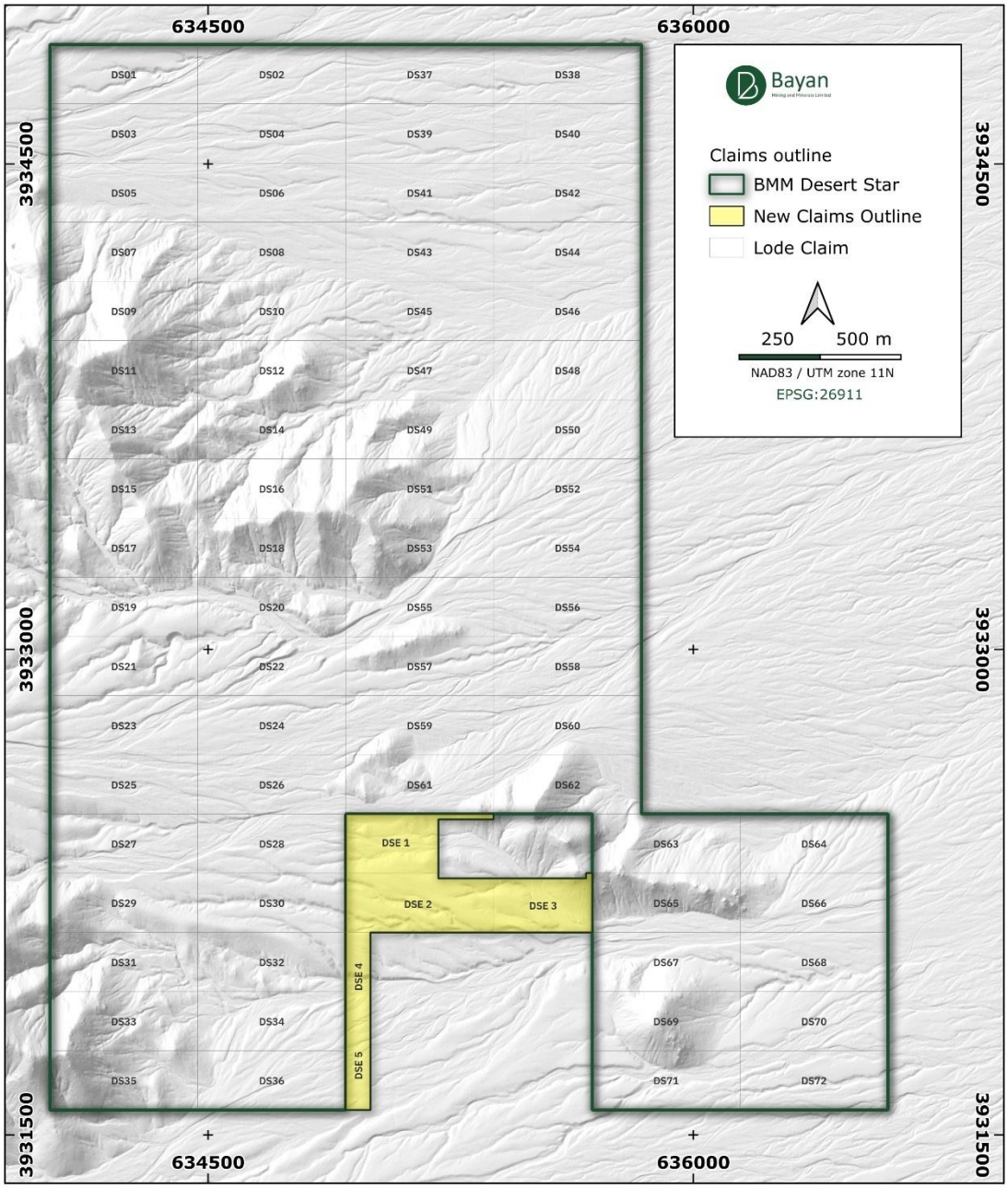


Figure 6: Claim status map highlighting newly staked claims

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About Desert Star Projects

The Desert Star Project comprises two claim blocks, Desert Star and Desert Star North located in San Bernardino County in California's eastern Mojave Desert. Together, the projects cover a combined area of approximately 10.04 km² and consist of 122 federal lode claims, which have been staked, with claim applications submitted to the U.S. Bureau of Land Management for registration.

Strategically located within a globally significant critical minerals corridor, the Desert Star Project lies just 4.5 km from MP Materials' operating Mountain Pass Rare Earth Mine and approximately 4.7 km from southern extents of the Colosseum Gold Mine.

The area is well supported by infrastructure, including nearby access to Interstate 15, high-voltage power transmission lines servicing the Mountain Pass Mine, and a Union Pacific rail line within 25 km that may support bulk logistics in future development. Additional renewable power infrastructure in the Ivanpah Valley provides further optionality for low-emission energy access.

The Desert Star claim block comprises 77 federal lode claims covering approximately 6.29 km². Geologically, the area lies within a structurally uplifted block of Paleoproterozoic metamorphic and igneous basement rocks intruded by Mesoproterozoic alkaline and carbonatite intrusives, including shonkinite, syenite, granite, and carbonatite. These intrusions are genetically linked to REE mineralisation in the district, with key alteration assemblages such as barite, fluorite, hematite, phlogopite, and calcite indicating a magmatic-hydrothermal origin. The tenement is bounded by the Ivanpah Fault to the east and the Clark Mountain Fault to the west, both major regional structures associated with mineralisation at Mountain Pass and Colosseum.

The Desert Star North claim block consists of 45 federal lode claims covering approximately 3.75 km². The project spans a geological transition from Paleoproterozoic basement rocks in the west to Cambrian marine sedimentary units in the east, including limestones, quartzites, and shales. These formations are part of the broader stratigraphy that hosts both rare earth and gold mineralisation in the region. Desert Star North is similarly transected by the northwest-trending Ivanpah and Clark Mountain faults, which exhibit vertical displacement in excess of 10,000 feet. These structures are recognised as key controls on regional mineralisation, including at the Mountain Pass REE Mine and the Colosseum Gold Mine, located immediately to the south.

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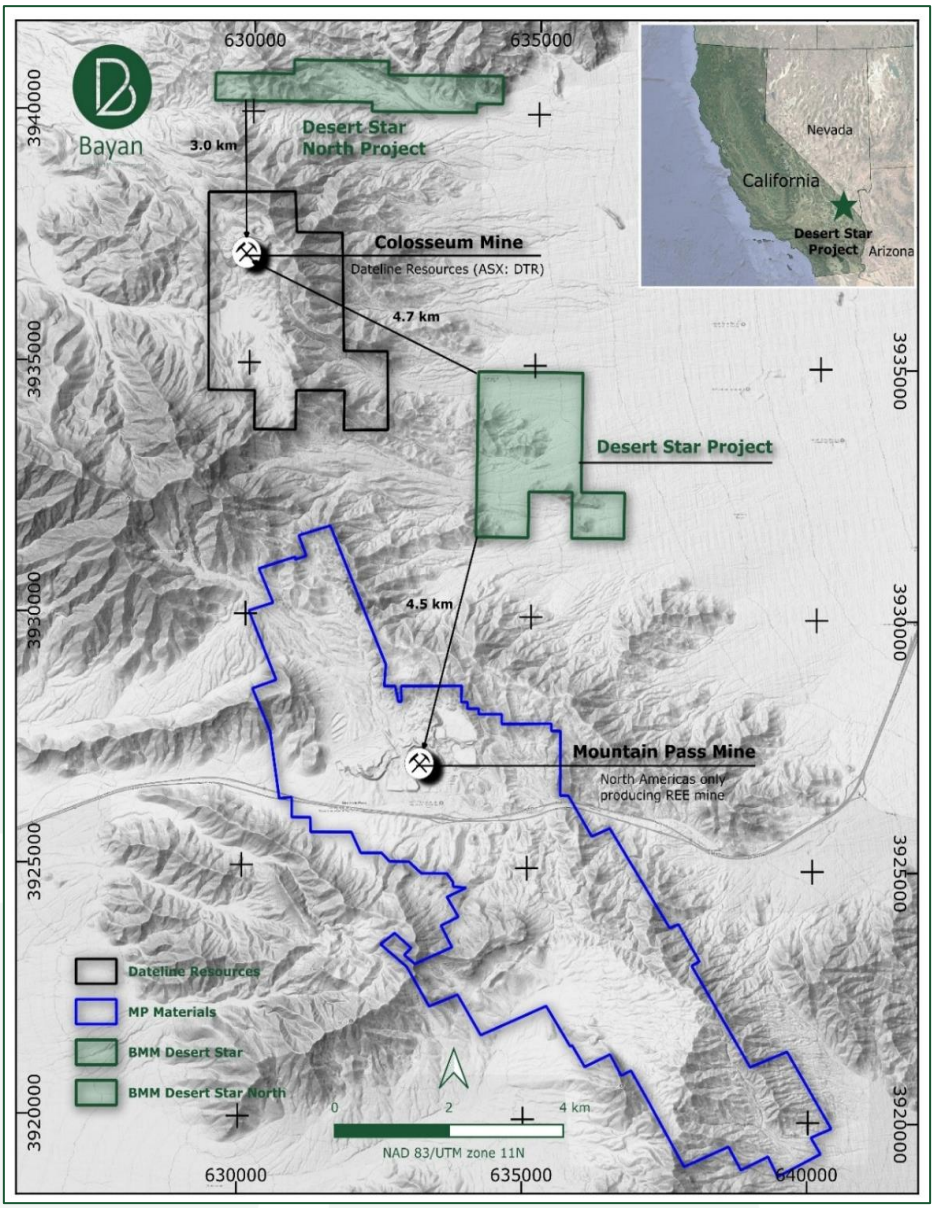


Figure 7: Desert Star Projects Location Map

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Competent Persons Statement

The information in this report that relates to Exploration Targets or Exploration Results is based on information compiled by Mr Dejan Jovanovic, a Competent Person who is a Member of the European Federation of Geologists (EurGeol). The European Federation of Geologists is a Joint Ore Reserves Committee (JORC) Code 'Recognised Professional Organisation' (RPO). An RPO is an accredited organisation to which the Competent Person under JORC Code Reporting Standards must belong to report Exploration Results, Mineral Resources, or Ore Reserves through the ASX. Mr Jovanovic is the General Manager of Exploration and is an independent contractor of the Company. Mr Jovanovic has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the JORC 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Jovanovic consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

Previously reported information

This announcement refers to information previously reported in the following ASX announcements, available at www.bayanminerals.com.au

- 1 September 2025: Outstanding REE Grades at Desert Star Project
- 5 September 2025: Geophysical Desktop Study Identifies Priority Targets Areas
- 3 November 2025: Ground Surveys Refine Priority REE Targets at Desert Star
- 26 November 2025: Geophysical Review Completed at Desert Star
- 21 January 2026: High-Grade REE Results at Desert Star
- 4 June 2026: Maiden Drilling Commences at Desert Star Rare Earth Project

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

Forward-looking Statements

Certain statements included in this release constitute forward-looking information. Statements regarding BMM's plans with respect to its mineral properties and programs are forward-looking statements. There can be no assurance that BMM's plans for development of its mineral properties will proceed as currently expected. There can also be no assurance that BMM will be able to confirm the presence of additional mineral resources, that any mineralisation will prove to be economic or that a mine will successfully be developed on any of BMM's mineral properties. The performance of BMM may be influenced by a number of factors which are outside the control of the Company and its Directors, staff, and contractors.

These statements include, but are not limited to statements regarding future production, resources or reserves and exploration results. All such statements are subject to certain risks and uncertainties, many of which are difficult to predict and generally beyond the control of the Company, that could cause actual results to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements.

Except for statutory liability which cannot be excluded, each of BMM, its officers, employees and advisors expressly disclaim any responsibility for the accuracy or completeness of the material contained in these forward-looking statements and excludes all liability whatsoever (including in negligence) for any loss or damage which may be suffered by any person as a consequence of any information in forward-looking statements or any error or omission. BMM undertakes no obligation to update publicly or release any revisions to these forward-looking statements to reflect events or circumstances after today's date or to reflect the occurrence of unanticipated events other than required by the Corporations Act and ASX Listing Rules. Accordingly, you should not place undue reliance on any forward-looking statement.

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Proximate Statements

This announcement contains references to mineral exploration results derived by other parties either nearby or proximate to the Desert Star Projects and includes references to topographical or geological similarities to that of the Desert Star Projects. It is important to note that such discoveries or geological similarities do not in any way guarantee that the Company will have similar exploration successes on the Desert Star Projects, if at all.

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Appendix 1: Drill Hole Collar details

Hole	Type	Easting (m)	Northing (m)	RL (m)	Dip (°)	Azimuth (°)	Depth (m)	Depth (ft)
DS-001	RC	635727	3932103	1,126	-45	90	184.4	605
DS-002	RC	636054	3932096	1,108	-90	0	198.1	650
DS-003	RC	635743	3931776	*1,136*	-57	255	168.6	553
DS-004	RC	634366	3933176	1,206	-57	255	121.9	400
DS-005	RC	634367	3933177	1,206	-60	70	121.9	400
DS-006	RC	635723	3932104	1,126	-90	0	61	200

Coordinates are surveyed collar positions in NAD 83 UTM Zone 11N. RL is derived from USGS digital elevation model (DEM), dataset "USGS_1M_11_x63y394_CA_MountainPass_2019_D19" with 1 m resolution.

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Appendix 2: Significant intercepts

Hole	From (m)	To (m)	Width (m)	TREO (ppm)	NdPr (ppm)	NdPr:TREO	MREO (ppm)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)
DS-001	16.8	29.0	12.2	2,263	504	22.3%	527	508	996	108	396	66	13.4	43	4.6	18.5	2.9	6.6	0.8	4.5	0.6	96
incl.	18.3	21.3	3.0	3,497	782	22.4%	815	788	1,548	168	614	99	17.9	64	6.6	26.7	4.4	10.1	1.2	7.2	1.1	141
DS-001	123.4	125.0	1.5	1,012	222	22.0%	234	209	461	45	177	31	2.1	20	2.2	9.5	1.7	3.7	0.5	2.8	0.4	46
DS-001	150.9	152.4	1.5	1,910	397	20.8%	407	537	865	90	307	38	1.5	21	2.0	8.1	1.4	2.8	0.3	1.5	0.2	36
DS-001	170.7	172.2	1.5	1,270	276	21.7%	283	293	612	65	211	29	2.5	14	1.5	6.3	1.0	2.4	0.3	1.7	0.3	30
DS-002	10.7	12.2	1.5	1,194	264	22.1%	272	271	579	59	206	27	1.6	17	1.6	6.0	0.8	1.6	0.1	0.6	0.1	23
DS-002	36.6	38.1	1.5	1,127	237	21.0%	251	242	502	52	185	30	1.8	21	2.4	11.6	2.1	6.2	0.8	5.8	0.9	63
DS-002	64.0	68.6	4.6	2,027	420	20.7%	436	499	940	95	325	49	2.5	29	3.0	12.6	2.2	5.0	0.6	3.8	0.6	59
DS-002	74.7	85.3	10.7	1,607	340	21.2%	354	370	758	77	263	43	2.4	26	2.7	10.8	1.7	3.7	0.4	2.0	0.3	46
incl.	80.8	83.8	3.0	2,343	498	21.3%	514	557	1,124	114	385	59	2.2	33	3.3	12.2	1.8	3.3	0.3	1.4	0.2	47
DS-002	96.0	105.2	9.1	1,032	221	21.4%	232	232	474	50	171	25	1.7	16	1.9	9.0	1.4	3.6	0.4	2.9	0.4	43
DS-002	196.6	198.1	1.5	1,146	272	23.8%	289	223	502	58	215	37	2.3	28	3.0	13.7	2.1	5.1	0.4	2.4	0.3	55
DS-003	6.1	12.2	6.1	1,479	339	22.9%	350	326	707	74	265	36	1.5	21	2.0	8.2	1.2	2.3	0.3	1.4	0.2	33
incl.	9.1	12.2	3.0	2,306	528	22.9%	542	517	1,116	116	412	54	1.8	30	2.9	10.8	1.4	2.5	0.3	1.2	0.2	39
DS-003	51.8	53.3	1.5	1,084	256	23.6%	264	240	500	57	199	29	1.4	17	1.7	6.9	1.0	1.7	0.2	0.8	0.1	28
DS-004	36.6	41.1	4.6	1,255	251	20.0%	265	304	575	56	195	30	2.8	22	2.6	11.5	1.7	3.3	0.3	1.6	0.2	48
DS-004	47.2	48.8	1.5	1,167	251	21.5%	265	290	506	56	195	37	2.0	25	2.6	11.2	1.5	2.1	0.2	0.6	0.1	39
DS-004	102.1	103.6	1.5	1,364	296	21.7%	313	332	587	65	232	36	1.7	24	3.0	13.5	2.0	5.0	0.6	3.0	0.4	59
DS-006	12.2	25.9	13.7	1,717	400	23.3%	415	355	787	84	316	50	10.8	30	3.1	12.5	1.9	4.0	0.5	2.8	0.4	58
incl.	13.7	15.2	1.5	2,553	585	22.9%	605	562	1,183	124	461	70	15.8	41	4.0	15.9	2.1	4.0	0.5	2.3	0.3	67
incl.	21.3	22.9	1.5	2,408	560	23.3%	580	502	1,123	119	441	69	15.2	39	4.0	15.6	2.3	4.4	0.5	2.7	0.3	70
incl.	24.4	25.9	1.5	2,527	593	23.5%	614	527	1,168	124	469	74	16.1	44	4.3	16.7	2.5	4.6	0.6	3.2	0.4	73
DS-006	38.1	41.1	3.0	2,184	492	22.5%	512	472	1,000	104	388	59	13.1	35	3.8	16.2	2.5	5.6	0.7	4.1	0.5	79

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Hole	From (m)	To (m)	Width (m)	TREO (ppm)	NdPr (ppm)	NdPr:TREO	MREO (ppm)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)
DS-006	45.7	47.2	1.5	**1,016**	242	23.8%	255	218	435	50	192	31	1.9	24	2.4	10.2	1.5	3.2	0.3	2.0	0.3	44

*DS-005 - no significant intercept (no sample of 1,000 ppm TREO or more). Widths are downhole and true widths are not known. TREO (Total Rare Earth Oxide) La_2O_3+CeO_2+Pr_6O_{11}+Nd_2O_3+Sm_2O_3+Eu_2O_3+Gd_2O_3+Tb_4O_7 +Dy_2O_3+Ho_2O_3+Er_2O_3+Tm_2O_3+Yb_2O_3+Lu_2O_3+Y_2O_3. 1,000 ppm TREO lower cut off, max 3.0 m consecutive internal material below 1,000 ppm. incl. = 2,000 ppm TREO (3,000 ppm where the interval exceeds 2,000 ppm). No top cut off. NdPr = Nd2O3 + Pr6O11. MREO = Nd2O3 + Pr6O11 + Tb4O7 + Dy2O3. NdPr:TREO = length-weighted NdPr/length-weighted TREO. Oxide factors as in JORC Table 1. Below-detection values at half the detection limit.

Appendix 3: Downhole assay results

Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_001	2025461201	0.00	1.52	1.52	34.5	67.2	7.6	26.0	4.8	0.9	3.8	0.6	3.5	0.7	1.9	0.3	1.8	0.3	21.3	175.2	33.6	37.7
DS_001	2025461202	1.52	3.05	1.52	31.1	61.5	6.7	23.8	4.5	0.7	3.3	0.6	3.0	0.6	1.7	0.3	1.7	0.2	19.4	159.1	30.5	34.0
DS_001	2025461203	3.05	4.57	1.52	20.1	40.7	4.6	15.5	2.9	0.5	2.5	0.4	2.2	0.4	1.3	0.2	1.2	0.2	15.0	107.6	20.0	22.6
DS_001	2025461204	4.57	6.10	1.52	21.1	41.4	4.6	16.4	3.0	0.6	2.5	0.4	2.1	0.4	1.2	0.2	1.2	0.1	14.0	109.1	21.0	23.4
DS_001	2025461205	6.10	7.62	1.52	28.9	58.1	6.5	23.0	4.7	0.7	3.5	0.6	3.0	0.6	1.7	0.2	1.7	0.2	19.8	153.1	29.5	33.0
DS_001	2025461206	7.62	9.14	1.52	22.3	44.6	5.0	17.0	3.2	0.7	2.9	0.4	2.6	0.5	1.4	0.2	1.2	0.2	16.3	118.4	22.0	25.0
DS_001	2025461207	9.14	10.67	1.52	42.8	84.9	9.5	32.5	6.1	0.9	4.6	0.7	3.7	0.7	2.3	0.3	2.0	0.3	23.4	214.7	42.1	46.5
DS_001	2025461208	10.67	12.19	1.52	47.5	96.4	10.5	38.0	6.6	1.1	5.1	0.7	4.0	0.7	2.3	0.3	2.0	0.3	22.5	238.0	48.5	53.2
DS_001	2025461209	12.19	13.72	1.52	41.0	82.4	9.0	30.8	5.5	0.8	4.6	0.7	3.8	0.8	2.3	0.3	2.3	0.3	24.1	208.9	39.8	44.3
DS_001	2025461210	13.72	15.24	1.52	41.9	84.6	9.4	32.7	5.9	0.9	4.7	0.7	4.1	0.8	2.3	0.4	2.1	0.3	25.1	215.9	42.0	46.8
DS_001	2025461212	15.24	16.76	1.52	73.4	143.1	16.3	54.0	9.2	1.9	6.7	0.8	4.0	0.7	1.8	0.3	1.8	0.3	22.7	337.0	70.3	75.2
DS_001	2025461213	16.76	18.29	1.52	317.8	667.0	72.1	268.3	48.4	11.2	33.7	3.7	13.8	2.2	4.4	0.5	2.6	0.4	71.6	1,517.5	340.4	357.9
DS_001	2025461214	18.29	19.81	1.52	693.1	1,388.1	149.8	543.5	88.6	16.3	57.4	6.1	25.1	4.4	10.0	1.2	7.2	1.1	139.7	3,131.7	693.4	724.6
DS_001	2025461215	19.81	21.34	1.52	883.1	1,707.5	186.7	683.5	109.7	19.6	70.2	7.1	28.2	4.5	10.2	1.3	7.2	1.1	142.9	3,862.6	870.2	905.5
DS_001	2025461216	21.34	22.86	1.52	505.5	997.5	110.8	410.6	71.9	15.1	48.4	5.3	21.9	3.5	8.3	1.0	5.6	0.8	116.7	2,322.8	521.4	548.5
DS_001	2025461217	22.86	24.38	1.52	197.6	407.8	43.7	159.8	28.3	5.8	21.2	2.7	12.2	1.9	4.4	0.6	2.9	0.4	57.8	947.1	203.5	218.4
DS_001	2025461218	24.38	25.91	1.52	469.1	936.0	99.3	359.3	55.7	12.4	32.6	3.5	12.7	1.9	3.9	0.5	2.6	0.4	60.3	2,050.1	458.6	474.7

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_001	2025461219	25.91	27.43	1.52	560.6	1,058.9	112.7	405.9	63.4	14.3	37.8	3.8	14.7	2.1	4.5	0.5	2.9	0.4	73.5	2,356.1	518.6	537.2
DS_001	2025461220	27.43	28.96	1.52	433.9	802.1	89.0	334.8	58.3	12.2	39.9	4.4	19.1	3.0	7.2	0.9	5.2	0.7	102.5	1,913.3	423.8	447.4
DS_001	2025461221	28.96	30.48	1.52	107.9	192.9	21.3	75.1	12.5	1.6	9.5	1.4	7.2	1.5	4.5	0.7	4.5	0.7	44.6	485.9	96.4	105.0
DS_001	2025461223	30.48	32.00	1.52	103.4	181.8	19.9	72.3	12.2	1.7	10.1	1.8	11.8	2.9	9.4	1.5	10.0	1.5	86.0	526.3	92.3	105.9
DS_001	2025461224	32.00	33.53	1.52	100.4	187.9	21.0	78.3	14.0	1.8	10.6	1.4	8.0	1.8	5.6	0.8	5.6	0.9	52.1	490.3	99.3	108.7
DS_001	2025461225	33.53	35.05	1.52	45.9	105.6	14.7	67.3	16.0	2.1	15.4	2.1	11.9	2.2	5.3	0.6	3.2	0.5	60.3	353.3	82.0	96.1
DS_001	2025461226	35.05	36.58	1.52	170.1	352.6	37.2	139.4	24.2	1.6	17.1	2.0	9.3	1.6	3.3	0.4	2.0	0.3	43.8	804.8	176.6	187.9
DS_001	2025461227	36.58	38.10	1.52	69.4	161.5	20.5	86.5	18.4	1.9	16.3	2.3	12.2	2.1	5.0	0.6	3.0	0.5	63.9	464.2	107.1	121.6
DS_001	2025461228	38.10	39.62	1.52	47.7	110.4	15.0	64.9	14.6	1.8	13.5	1.9	10.2	1.8	4.5	0.5	2.9	0.4	52.7	342.8	79.9	92.0
DS_001	2025461229	39.62	41.15	1.52	39.2	101.2	13.7	63.5	15.4	2.0	14.4	2.1	10.9	1.8	3.9	0.5	2.6	0.3	54.2	325.7	77.1	90.2
DS_001	2025461230	41.15	42.67	1.52	36.0	89.3	11.7	53.7	11.7	2.0	10.8	1.4	6.3	1.1	2.6	0.3	1.7	0.2	32.3	261.0	65.3	73.0
DS_001	2025461231	42.67	44.20	1.52	31.4	74.2	10.2	47.5	11.5	2.1	10.7	1.3	7.1	1.1	2.6	0.3	1.5	0.2	32.9	234.6	57.6	66.0
DS_001	2025461232	44.20	45.72	1.52	39.5	99.0	14.4	72.0	16.4	2.2	15.0	2.1	11.4	2.0	4.9	0.5	3.0	0.3	53.6	336.2	86.3	99.8
DS_001	2025461234	45.72	47.24	1.52	40.5	84.3	10.2	42.3	8.0	1.5	7.6	1.2	7.0	1.3	3.5	0.5	2.7	0.4	37.7	248.6	52.5	60.7
DS_001	2025461235	47.24	48.77	1.52	164.2	310.8	33.3	124.8	17.5	2.0	12.4	1.8	9.3	2.1	6.5	1.0	6.0	1.1	57.8	750.6	158.2	169.2
DS_001	2025461236	48.77	50.29	1.52	120.8	229.1	24.6	94.6	13.5	1.5	10.0	1.6	10.9	2.6	8.9	1.3	8.7	1.4	77.1	606.7	119.2	131.7
DS_001	2025461237	50.29	51.82	1.52	116.8	225.4	25.1	92.6	14.7	1.4	11.0	1.6	9.9	2.2	7.0	1.0	6.5	0.9	66.7	582.9	117.7	129.2
DS_001	2025461238	51.82	53.34	1.52	67.0	121.5	13.5	52.8	8.5	1.3	8.2	1.6	11.9	2.9	9.1	1.3	8.4	1.3	85.1	394.2	66.4	79.8
DS_001	2025461239	53.34	54.86	1.52	112.4	223.0	25.0	95.8	15.2	1.4	11.4	1.7	8.6	1.8	5.5	0.8	5.1	0.8	54.2	562.7	120.8	131.1
DS_001	2025461240	54.86	56.39	1.52	76.1	150.5	16.6	64.7	11.8	1.3	9.5	1.7	9.8	2.0	5.9	0.7	4.7	0.7	57.9	413.8	81.3	92.7
DS_001	2025461241	56.39	57.91	1.52	63.1	117.8	12.8	50.4	7.7	1.3	5.8	0.7	4.3	0.8	2.5	0.4	2.2	0.3	25.9	296.1	63.2	68.3
DS_001	2025461242	57.91	59.44	1.52	43.2	78.0	8.7	34.5	6.4	1.1	5.3	0.9	5.9	1.4	4.1	0.6	4.5	0.7	43.9	239.3	43.2	50.0
DS_001	2025461243	59.44	60.96	1.52	42.5	80.7	9.3	36.4	6.8	0.8	5.6	0.9	5.4	1.1	2.8	0.4	2.2	0.3	33.5	228.5	45.7	51.9
DS_001	2025461245	60.96	62.48	1.52	23.4	45.0	5.1	19.4	3.5	1.1	3.0	0.5	2.6	0.4	0.9	0.1	0.7	0.1	13.1	118.8	24.5	27.5

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_001	2025461246	62.48	64.01	1.52	28.9	57.7	6.5	26.4	5.0	1.2	4.4	0.7	4.1	0.8	2.0	0.3	1.6	0.3	22.7	162.4	32.9	37.6
DS_001	2025461247	64.01	65.53	1.52	61.1	131.4	14.5	54.9	8.8	1.3	7.1	1.0	6.2	1.7	5.8	1.0	7.0	1.1	50.9	353.8	69.4	76.6
DS_001	2025461248	65.53	67.06	1.52	46.8	94.7	10.2	36.9	5.5	1.8	4.1	0.6	3.8	0.8	2.8	0.5	3.1	0.5	25.9	238.0	47.0	51.4
DS_001	2025461249	67.06	68.58	1.52	25.4	49.1	5.5	20.0	3.6	1.2	3.4	0.6	3.7	0.9	2.8	0.4	2.7	0.4	26.8	146.4	25.5	29.8
DS_001	2025461250	68.58	70.10	1.52	19.7	37.5	3.8	13.4	2.8	1.2	2.1	0.4	2.7	0.7	2.2	0.3	1.9	0.3	21.3	110.4	17.2	20.4
DS_001	2025461251	70.10	71.63	1.52	44.2	88.4	9.7	37.1	6.4	1.1	5.2	0.7	3.4	0.6	1.3	0.2	0.9	0.1	17.0	216.3	46.8	50.9
DS_001	2025461252	71.63	73.15	1.52	32.4	64.2	7.1	26.9	5.0	1.0	3.9	0.5	2.8	0.6	1.2	0.2	1.2	0.1	15.9	163.0	34.0	37.3
DS_001	2025461253	73.15	74.68	1.52	36.7	77.6	8.8	33.8	6.2	1.2	4.0	0.5	2.5	0.4	1.0	0.1	0.9	0.1	13.0	186.8	42.6	45.7
DS_001	2025461254	74.68	76.20	1.52	13.8	26.4	2.9	11.1	1.9	1.1	1.5	0.2	1.8	0.4	1.2	0.2	1.3	0.2	11.8	76.0	14.0	16.0
DS_001	2025461256	76.20	77.72	1.52	22.2	51.6	6.0	24.4	5.6	1.0	4.7	0.7	4.0	0.9	2.1	0.3	2.2	0.3	23.7	149.8	30.4	35.2
DS_001	2025461257	77.72	79.25	1.52	35.2	70.6	8.1	31.0	5.9	1.3	4.9	0.8	4.0	0.8	2.1	0.3	1.8	0.3	23.7	190.9	39.1	44.0
DS_001	2025461258	79.25	80.77	1.52	41.8	79.6	9.0	34.2	5.8	1.1	5.1	0.9	4.8	0.9	2.4	0.3	1.9	0.3	28.7	216.8	43.1	48.9
DS_001	2025461259	80.77	82.30	1.52	48.1	96.6	11.1	40.7	7.1	1.3	5.3	0.7	3.7	0.6	1.6	0.2	1.5	0.2	20.6	239.3	51.8	56.2
DS_001	2025461260	82.30	83.82	1.52	46.7	90.7	10.4	38.4	7.2	1.0	5.1	0.8	3.8	0.6	1.5	0.2	1.0	0.2	20.1	227.4	48.7	53.3
DS_001	2025461261	83.82	85.34	1.52	45.7	85.6	9.6	37.7	6.4	0.8	4.9	0.7	3.6	0.6	1.6	0.2	1.2	0.2	19.6	218.3	47.2	51.5
DS_001	2025461262	85.34	86.87	1.52	44.2	84.6	9.6	37.2	6.8	1.3	4.8	0.7	4.1	0.8	2.3	0.3	1.7	0.3	24.8	223.5	46.8	51.6
DS_001	2025461263	86.87	88.39	1.52	58.8	114.1	12.2	47.4	7.8	1.3	6.2	0.8	5.1	1.0	2.7	0.4	2.7	0.3	31.0	291.6	59.6	65.5
DS_001	2025461264	88.39	89.92	1.52	91.5	186.1	19.5	73.5	11.8	1.0	7.4	0.9	3.9	0.7	1.4	0.2	1.4	0.2	18.5	418.0	93.0	97.8
DS_001	2025461265	89.92	91.44	1.52	119.6	238.9	24.0	90.9	13.1	1.3	7.9	0.8	3.9	0.6	1.1	0.2	0.7	0.1	17.0	520.1	114.9	119.6
DS_001	2025461267	91.44	92.96	1.52	105.3	199.6	20.4	76.6	10.1	1.5	6.1	0.6	3.0	0.5	1.2	0.1	0.7	0.1	15.1	440.8	97.0	100.6
DS_001	2025461268	92.96	94.49	1.52	197.0	417.7	40.8	151.6	19.8	1.3	11.8	1.1	5.0	0.7	1.5	0.2	0.9	0.1	20.6	870.1	192.5	198.6
DS_001	2025461269	94.49	96.01	1.52	72.2	146.2	15.2	57.7	8.5	0.8	5.4	0.7	3.1	0.6	1.3	0.2	1.2	0.2	16.6	330.0	73.0	76.7
DS_001	2025461270	96.01	97.54	1.52	140.7	309.6	32.5	129.5	24.4	1.4	17.3	1.9	8.1	1.2	2.6	0.3	1.7	0.3	33.8	705.2	162.0	172.0
DS_001	2025461271	97.54	99.06	1.52	67.6	135.1	14.7	54.9	9.6	1.3	7.2	1.0	5.2	0.9	2.7	0.4	2.5	0.4	30.1	333.6	69.6	75.8

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_001	2025461272	99.06	100.58	1.52	87.1	200.2	22.4	93.9	17.6	1.9	12.7	1.3	5.9	0.8	1.7	0.1	1.0	0.1	22.6	469.5	116.3	123.5
DS_001	2025461273	100.58	102.11	1.52	49.7	104.5	11.1	41.2	7.8	1.5	5.9	0.7	3.2	0.6	1.7	0.2	1.5	0.2	17.8	247.7	52.3	56.2
DS_001	2025461274	102.11	103.63	1.52	70.7	145.6	15.6	58.0	11.0	1.5	9.6	1.7	11.5	2.6	8.0	1.3	9.0	1.4	74.5	421.9	73.6	86.8
DS_001	2025461275	103.63	105.16	1.52	79.9	168.9	17.8	67.2	12.3	1.2	9.5	1.4	8.7	1.8	5.2	0.8	5.2	0.9	55.6	436.4	84.9	95.1
DS_001	2025461276	105.16	106.68	1.52	65.8	124.7	13.3	50.3	8.8	1.3	8.1	1.5	9.5	2.2	6.6	1.0	6.4	1.0	65.3	365.6	63.6	74.6
DS_001	2025461278	106.68	108.20	1.52	91.5	180.0	19.3	71.7	12.6	1.2	10.0	1.6	8.8	1.6	4.3	0.6	4.0	0.6	50.4	458.2	91.1	101.4
DS_001	2025461279	108.20	109.73	1.52	39.5	80.7	8.9	32.4	5.6	1.2	4.8	0.7	4.1	0.8	1.9	0.3	1.7	0.3	24.8	207.4	41.3	46.1
DS_001	2025461280	109.73	111.25	1.52	46.8	93.2	10.1	37.1	6.9	1.1	5.4	1.0	5.3	1.0	2.4	0.4	2.4	0.3	30.1	243.4	47.2	53.5
DS_001	2025461281	111.25	112.78	1.52	58.5	111.2	11.9	45.7	7.8	1.1	5.6	0.9	4.6	0.9	2.1	0.3	1.9	0.3	27.9	280.7	57.6	63.1
DS_001	2025461282	112.78	114.30	1.52	55.9	115.0	12.3	47.0	9.1	0.9	6.8	1.0	5.3	0.8	2.1	0.3	1.5	0.2	28.2	286.5	59.3	65.6
DS_001	2025461283	114.30	115.82	1.52	48.3	95.2	10.4	40.7	8.6	1.0	6.6	1.0	5.0	0.8	1.7	0.3	1.4	0.2	25.1	246.3	51.1	57.1
DS_001	2025461284	115.82	117.35	1.52	42.7	76.4	8.1	30.9	5.7	0.9	4.6	0.8	4.4	0.9	2.4	0.3	2.3	0.3	26.9	207.6	39.0	44.2
DS_001	2025461285	117.35	118.87	1.52	55.9	112.8	12.4	45.4	7.7	0.9	6.7	1.0	5.2	1.0	2.2	0.3	1.8	0.3	27.7	281.1	57.8	64.0
DS_001	2025461286	118.87	120.40	1.52	71.1	137.0	14.9	57.4	9.7	0.8	6.7	1.0	4.9	0.9	2.4	0.3	2.1	0.3	26.8	336.2	72.2	78.2
DS_001	2025461287	120.40	121.92	1.52	51.7	100.7	10.4	38.1	6.2	1.3	5.4	0.8	4.9	1.0	2.4	0.4	2.3	0.4	27.6	253.5	48.5	54.2
DS_001	2025461289	121.92	123.44	1.52	70.7	138.2	14.7	58.3	10.4	1.6	9.1	1.5	9.1	1.9	5.5	0.8	5.6	0.8	61.5	389.8	73.1	83.7
DS_001	2025461290	123.44	124.97	1.52	209.3	460.7	45.4	176.7	31.3	2.1	19.6	2.2	9.5	1.7	3.7	0.5	2.8	0.4	46.0	1,011.9	222.1	233.9
DS_001	2025461291	124.97	126.49	1.52	98.6	212.5	24.0	98.2	18.2	1.9	13.7	1.7	8.4	1.5	3.5	0.5	2.4	0.4	42.7	528.1	122.3	132.3
DS_001	2025461292	126.49	128.02	1.52	131.4	253.1	26.8	101.9	16.5	1.8	11.3	1.4	7.0	1.3	3.1	0.5	2.6	0.4	37.8	596.8	128.8	137.1
DS_001	2025461293	128.02	129.54	1.52	60.3	130.2	14.2	56.0	10.7	1.6	8.4	1.2	5.7	1.0	2.7	0.4	2.0	0.3	31.0	325.6	70.2	77.1
DS_001	2025461294	129.54	131.06	1.52	34.0	84.4	10.3	46.4	11.7	2.0	10.1	1.3	7.1	1.3	3.2	0.4	2.3	0.4	37.0	251.8	56.7	65.1
DS_001	2025461295	131.06	132.59	1.52	49.4	129.6	17.0	80.9	18.0	2.5	15.8	2.4	13.3	2.6	6.5	0.9	4.9	0.6	72.3	416.7	98.0	113.6
DS_001	2025461296	132.59	134.11	1.52	68.1	171.4	21.3	87.6	18.3	2.6	15.4	2.2	12.4	2.3	5.7	0.8	4.3	0.6	66.8	479.6	108.9	123.4
DS_001	2025461297	134.11	135.64	1.52	86.2	148.0	14.7	55.8	8.5	1.4	6.4	1.0	6.7	1.6	5.4	0.8	5.9	1.0	48.6	392.0	70.4	78.2

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_001	2025461298	135.64	137.16	1.52	86.9	143.7	15.8	54.6	8.3	1.4	6.2	1.0	6.7	1.6	4.7	0.8	4.8	0.7	48.9	386.2	70.4	78.1
DS_001	2025461300	137.16	138.68	1.52	72.0	109.8	12.6	45.6	7.6	1.0	5.7	0.9	5.1	1.1	3.0	0.4	2.8	0.4	34.4	302.5	58.2	64.2
DS_001	2025461001	138.68	140.21	1.52	52.1	94.5	11.1	39.0	6.8	1.2	5.6	0.9	5.2	1.1	3.1	0.4	3.0	0.4	35.6	259.9	50.1	56.2
DS_001	2025461002	140.21	141.73	1.52	105.9	182.4	21.0	73.0	10.5	1.2	7.4	1.0	5.1	0.9	2.5	0.4	2.3	0.4	29.2	443.2	94.0	100.1
DS_001	2025461003	141.73	143.26	1.52	83.3	148.0	16.7	56.9	9.3	1.3	7.4	1.0	6.2	1.3	3.4	0.5	2.9	0.4	39.5	378.0	73.6	80.8
DS_001	2025461004	143.26	144.78	1.52	158.3	265.3	29.7	101.9	13.4	1.2	8.2	1.0	5.0	0.9	2.2	0.3	1.8	0.3	26.9	616.5	131.7	137.6
DS_001	2025461005	144.78	146.30	1.52	147.8	242.6	26.8	93.9	12.1	1.2	6.9	0.7	3.1	0.5	1.0	0.1	0.6	0.1	14.2	551.6	120.7	124.5
DS_001	2025461006	146.30	147.83	1.52	73.1	141.3	15.6	51.3	6.8	1.4	4.2	0.4	2.2	0.4	1.0	0.1	0.7	0.1	10.2	308.7	67.0	69.6
DS_001	2025461007	147.83	149.35	1.52	84.1	140.7	15.9	55.4	8.0	1.0	4.7	0.6	3.1	0.6	1.6	0.2	1.4	0.2	17.5	335.0	71.3	75.0
DS_001	2025461008	149.35	150.88	1.52	50.1	90.0	10.5	35.9	6.1	1.0	5.0	0.8	5.0	1.1	3.1	0.4	2.7	0.5	32.5	244.7	46.4	52.2
DS_001	2025461009	150.88	152.40	1.52	537.1	864.8	89.8	306.8	37.9	1.5	20.5	2.0	8.1	1.4	2.8	0.3	1.5	0.2	35.8	1,910.5	396.5	406.5
DS_001	2025461011	152.40	153.92	1.52	58.6	102.1	11.4	39.8	6.2	0.8	3.8	0.4	2.0	0.4	1.1	0.1	1.0	0.2	12.6	240.4	51.1	53.6
DS_001	2025461012	153.92	155.45	1.52	68.4	117.8	13.4	44.8	7.4	0.8	5.4	0.8	4.3	0.9	3.0	0.5	3.0	0.5	28.8	299.6	58.1	63.2
DS_001	2025461013	155.45	156.97	1.52	72.9	115.0	13.0	46.0	7.1	1.4	6.1	1.1	7.8	1.9	6.1	1.1	7.2	1.1	56.3	344.0	58.9	67.8
DS_001	2025461014	156.97	158.50	1.52	47.6	65.0	6.9	23.3	4.0	0.8	5.8	1.7	14.8	4.1	13.8	2.3	15.3	2.4	119.4	327.1	30.1	46.6
DS_001	2025461015	158.50	160.02	1.52	44.9	72.0	7.7	24.3	4.3	1.1	6.4	1.7	14.7	4.2	14.0	2.4	14.6	2.1	129.5	343.9	32.0	48.4
DS_001	2025461016	160.02	161.54	1.52	100.0	146.8	15.8	54.6	7.8	1.3	7.5	1.6	12.7	3.3	10.0	1.5	9.2	1.3	102.6	476.1	70.4	84.7
DS_001	2025461017	161.54	163.07	1.52	64.6	98.0	11.2	40.2	6.6	0.8	5.0	0.8	4.9	1.0	2.7	0.4	2.4	0.4	32.3	271.4	51.5	57.2
DS_001	2025461018	163.07	164.59	1.52	76.2	130.2	14.7	50.4	7.9	0.9	6.2	1.0	6.3	1.4	4.3	0.7	4.3	0.7	44.7	349.8	65.1	72.4
DS_001	2025461019	164.59	166.12	1.52	68.5	106.5	12.1	43.5	6.5	0.8	5.1	0.9	5.4	1.3	3.9	0.6	3.7	0.6	39.6	298.9	55.6	61.9
DS_001	2025461020	166.12	167.64	1.52	74.5	157.8	20.8	85.7	17.0	2.1	14.7	2.1	11.2	2.2	5.9	0.8	4.0	0.6	62.9	462.3	106.5	119.8
DS_001	2025461022	167.64	169.16	1.52	96.4	202.7	26.2	103.8	20.2	2.1	16.9	2.3	12.9	2.5	6.1	0.8	4.6	0.7	70.7	569.0	130.0	145.2
DS_001	2025461023	169.16	170.69	1.52	91.4	175.0	20.5	76.2	12.5	1.6	9.8	1.4	7.2	1.4	3.5	0.4	2.6	0.4	40.5	444.2	96.7	105.3
DS_001	2025461024	170.69	172.21	1.52	293.2	611.7	65.1	210.5	28.5	2.5	14.5	1.5	6.3	1.0	2.4	0.3	1.7	0.3	30.0	1,269.7	275.7	283.5

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_001	2025461025	172.21	173.74	1.52	77.3	152.3	17.2	60.0	10.1	1.1	6.8	0.9	4.8	1.0	2.6	0.4	2.6	0.4	29.3	366.8	77.2	82.9
DS_001	2025461026	173.74	175.26	1.52	116.9	233.4	27.3	100.0	17.5	1.9	12.1	1.5	7.0	1.1	2.8	0.3	2.0	0.3	33.0	557.3	127.3	135.8
DS_001	2025461027	175.26	176.78	1.52	31.0	70.5	9.1	37.3	8.0	1.6	7.5	1.0	5.5	1.0	2.6	0.3	1.8	0.2	30.7	208.2	46.5	53.0
DS_001	2025461028	176.78	178.31	1.52	40.3	91.8	12.4	50.3	11.1	1.9	9.6	1.4	7.2	1.3	3.2	0.4	2.1	0.3	37.5	270.8	62.7	71.3
DS_001	2025461029	178.31	179.83	1.52	57.7	110.9	12.6	43.7	7.4	1.0	5.0	0.7	3.2	0.6	1.5	0.2	1.4	0.2	17.8	263.8	56.4	60.3
DS_001	2025461030	179.83	181.36	1.52	96.1	185.5	21.2	76.6	13.2	1.2	9.3	1.2	5.7	1.0	2.6	0.3	1.8	0.3	28.1	443.9	97.8	104.7
DS_001	2025461031	181.36	182.88	1.52	74.9	146.2	16.6	57.7	10.0	1.3	7.3	0.9	5.2	0.9	2.6	0.4	2.1	0.3	28.3	354.8	74.3	80.5
DS_001	2025461033	182.88	184.40	1.52	58.4	120.3	14.7	53.9	11.4	1.3	8.9	1.4	6.9	1.3	3.5	0.5	2.9	0.4	42.8	328.7	68.6	76.9
DS_002	2025461034	0.00	1.52	1.52	29.9	56.5	6.6	23.6	4.2	0.8	3.3	0.5	2.8	0.5	1.5	0.2	1.3	0.2	15.9	147.7	30.2	33.5
DS_002	2025461035	1.52	3.05	1.52	25.9	51.1	5.7	20.2	3.9	0.7	3.3	0.5	2.8	0.5	1.6	0.2	1.4	0.2	17.4	135.4	25.8	29.2
DS_002	2025461036	3.05	4.57	1.52	25.0	48.4	5.6	19.7	3.5	0.5	3.2	0.5	2.6	0.6	1.6	0.3	1.4	0.2	17.0	130.1	25.3	28.4
DS_002	2025461037	4.57	6.10	1.52	30.0	60.4	6.9	23.9	4.7	0.6	3.6	0.5	2.8	0.6	1.6	0.2	1.5	0.2	18.0	155.7	30.8	34.1
DS_002	2025461038	6.10	7.62	1.52	47.5	91.3	10.5	38.5	6.6	0.9	5.1	0.7	3.9	0.8	2.1	0.3	2.0	0.3	23.5	234.0	49.0	53.6
DS_002	2025461039	7.62	9.14	1.52	58.6	114.9	13.8	51.3	8.7	1.0	7.1	0.9	4.6	0.8	2.3	0.3	1.8	0.3	23.5	289.8	65.1	70.6
DS_002	2025461040	9.14	10.67	1.52	24.9	49.6	6.2	23.9	4.9	1.0	3.7	0.5	2.5	0.5	1.2	0.1	1.0	0.1	15.1	135.4	30.1	33.1
DS_002	2025461041	10.67	12.19	1.52	270.9	578.6	58.6	205.9	27.3	1.6	17.4	1.6	6.0	0.8	1.6	0.1	0.6	0.1	23.1	1,194.1	264.5	272.0
DS_002	2025461042	12.19	13.72	1.52	26.7	50.4	5.7	20.6	3.3	0.7	2.5	0.3	1.5	0.3	0.7	0.1	0.6	0.1	7.6	121.0	26.3	28.1
DS_002	2025461043	13.72	15.24	1.52	19.1	36.4	4.2	15.4	2.5	0.6	1.9	0.3	1.3	0.3	0.8	0.1	0.6	0.1	7.5	91.0	19.6	21.2
DS_002	2025461045	15.24	16.76	1.52	61.3	111.3	12.3	44.3	6.7	1.0	4.7	0.6	2.4	0.4	0.9	0.1	0.7	0.1	11.6	258.4	56.6	59.6
DS_002	2025461046	16.76	18.29	1.52	35.1	66.2	7.2	24.3	3.8	0.7	2.6	0.3	1.5	0.2	0.6	0.1	0.5	0.1	7.5	150.6	31.4	33.2
DS_002	2025461047	18.29	19.81	1.52	12.7	23.6	2.9	11.2	2.0	0.5	1.7	0.2	1.0	0.2	0.6	0.1	0.5	0.1	6.6	63.8	14.0	15.3
DS_002	2025461048	19.81	21.34	1.52	50.9	103.6	11.4	42.1	6.5	0.8	4.5	0.5	2.4	0.4	0.8	0.1	0.6	0.1	11.2	235.9	53.5	56.4
DS_002	2025461049	21.34	22.86	1.52	92.9	190.4	23.0	87.2	16.2	1.7	13.1	1.7	7.9	1.4	3.4	0.4	2.4	0.3	39.2	481.2	110.3	119.8
DS_002	2025461050	22.86	24.38	1.52	50.0	100.7	11.5	42.9	7.5	0.9	5.7	0.7	3.3	0.6	1.5	0.2	1.0	0.1	16.0	242.7	54.4	58.4

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_002	2025461051	24.38	25.91	1.52	19.2	37.0	4.6	17.0	3.3	0.7	3.0	0.4	2.1	0.4	1.0	0.1	0.8	0.1	12.2	102.0	21.6	24.1
DS_002	2025461052	25.91	27.43	1.52	66.4	126.5	14.3	49.5	7.4	0.7	4.7	0.5	2.2	0.4	0.8	0.1	0.5	0.1	10.4	284.5	63.8	66.5
DS_002	2025461053	27.43	28.96	1.52	17.2	31.6	3.4	13.4	2.2	0.5	1.9	0.2	1.0	0.2	0.3	0.1	0.4	0.0	5.0	77.2	16.7	17.9
DS_002	2025461054	28.96	30.48	1.52	19.2	37.6	4.5	16.7	3.0	0.6	2.5	0.3	1.4	0.2	0.7	0.1	0.4	0.1	7.5	94.9	21.3	23.0
DS_002	2025461056	30.48	32.00	1.52	34.9	66.6	7.6	28.6	4.7	0.8	4.2	0.5	2.6	0.4	1.2	0.2	0.8	0.1	13.3	166.6	36.2	39.3
DS_002	2025461057	32.00	33.53	1.52	28.9	57.4	6.8	26.1	5.0	1.0	4.2	0.6	2.6	0.5	1.1	0.1	0.9	0.1	13.5	148.5	33.0	36.1
DS_002	2025461058	33.53	35.05	1.52	109.1	217.4	25.0	90.0	15.1	1.7	11.5	1.2	5.3	0.8	1.7	0.2	0.8	0.1	21.8	501.9	115.1	121.6
DS_002	2025461059	35.05	36.58	1.52	157.7	301.0	33.6	126.6	22.4	1.7	16.6	2.0	7.8	1.2	2.7	0.3	1.7	0.2	33.9	709.3	160.1	169.9
DS_002	2025461060	36.58	38.10	1.52	241.6	502.4	51.6	185.5	30.1	1.8	20.9	2.4	11.6	2.1	6.2	0.8	5.8	0.9	63.1	1,126.8	237.0	251.1
DS_002	2025461061	38.10	39.62	1.52	56.8	104.9	11.6	43.3	7.3	1.1	6.4	0.8	5.5	1.2	3.5	0.5	3.5	0.5	33.0	280.0	54.9	61.3
DS_002	2025461062	39.62	41.15	1.52	58.8	115.5	12.8	46.3	8.5	1.3	7.1	1.0	6.1	1.3	4.0	0.6	4.0	0.6	36.1	303.9	59.1	66.2
DS_002	2025461063	41.15	42.67	1.52	72.5	132.1	15.2	53.2	9.4	1.4	9.4	1.5	8.3	1.8	5.0	0.7	4.7	0.7	52.4	368.3	68.4	78.3
DS_002	2025461064	42.67	44.20	1.52	73.1	133.9	15.0	55.4	9.7	1.3	8.7	1.3	7.1	1.5	4.2	0.6	3.7	0.5	42.8	358.8	70.4	78.8
DS_002	2025461065	44.20	45.72	1.52	58.6	108.2	12.3	44.4	7.3	1.1	5.5	0.6	3.1	0.5	1.2	0.2	1.2	0.2	15.0	259.5	56.7	60.5
DS_002	2025461067	45.72	47.24	1.52	84.7	168.3	18.7	68.4	13.0	1.3	9.1	1.1	6.0	1.1	2.5	0.4	2.1	0.3	31.5	408.4	87.1	94.2
DS_002	2025461068	47.24	48.77	1.52	64.3	129.0	13.8	49.0	9.9	1.5	8.9	1.4	8.0	1.6	4.3	0.6	3.9	0.6	47.4	344.1	62.8	72.2
DS_002	2025461069	48.77	50.29	1.52	41.0	86.7	9.9	35.2	7.8	1.5	6.9	1.1	6.9	1.4	3.8	0.6	3.8	0.6	43.6	250.8	45.1	53.2
DS_002	2025461070	50.29	51.82	1.52	50.4	98.8	10.5	37.4	7.1	1.2	5.8	1.0	5.3	1.1	2.8	0.4	2.5	0.4	32.4	257.1	48.0	54.3
DS_002	2025461071	51.82	53.34	1.52	51.6	90.9	10.0	35.2	6.4	1.2	5.3	1.0	5.4	1.2	3.3	0.5	3.0	0.4	37.3	252.6	45.2	51.5
DS_002	2025461072	53.34	54.86	1.52	46.8	86.8	9.3	33.9	6.2	1.2	5.3	0.9	5.2	1.1	2.9	0.4	2.8	0.4	32.1	235.4	43.3	49.3
DS_002	2025461073	54.86	56.39	1.52	61.1	109.9	11.8	44.1	7.9	1.3	5.9	0.9	4.7	1.0	2.6	0.4	2.1	0.3	28.7	282.8	55.9	61.5
DS_002	2025461074	56.39	57.91	1.52	45.4	111.3	14.4	60.5	15.0	2.5	12.9	1.8	9.4	1.8	4.3	0.5	2.9	0.4	49.8	332.9	75.0	86.2
DS_002	2025461075	57.91	59.44	1.52	181.8	398.0	41.1	147.5	26.0	2.3	17.0	2.0	9.7	1.7	3.6	0.5	2.3	0.3	46.0	879.9	188.6	200.3
DS_002	2025461076	59.44	60.96	1.52	70.7	135.7	15.5	58.1	11.2	2.1	9.6	1.4	8.3	1.9	5.8	0.9	6.0	0.9	55.9	384.2	73.6	83.4

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_002	2025461078	60.96	62.48	1.52	78.9	143.1	14.9	50.4	9.1	1.7	8.2	1.6	10.9	2.9	9.5	1.7	11.3	1.8	86.9	432.9	65.3	77.8
DS_002	2025461079	62.48	64.01	1.52	101.1	183.0	18.8	63.3	10.2	1.8	9.1	1.8	13.4	3.7	13.0	2.2	15.2	2.4	116.6	555.7	82.2	97.4
DS_002	2025461080	64.01	65.53	1.52	408.1	766.5	76.8	267.1	41.3	2.6	25.9	2.9	14.3	2.8	7.6	1.1	7.3	1.1	78.7	1,704.2	343.9	361.2
DS_002	2025461081	65.53	67.06	1.52	534.8	991.3	100.4	347.6	52.2	2.3	28.7	2.9	11.0	1.6	3.3	0.3	1.6	0.3	43.8	2,122.0	448.0	461.9
DS_002	2025461082	67.06	68.58	1.52	554.7	1,062.6	107.5	360.4	54.6	2.5	32.0	3.3	12.5	2.1	4.3	0.5	2.3	0.4	55.6	2,255.3	467.9	483.7
DS_002	2025461083	68.58	70.10	1.52	120.8	230.3	23.8	79.3	13.7	2.0	9.9	1.6	9.6	2.4	8.1	1.4	9.1	1.5	71.4	585.0	103.1	114.4
DS_002	2025461084	70.10	71.63	1.52	95.0	207.0	24.4	91.2	19.4	2.7	15.8	2.2	11.5	2.3	5.6	0.7	4.1	0.6	64.0	546.6	115.6	129.4
DS_002	2025461085	71.63	73.15	1.52	41.5	93.2	10.6	41.1	8.8	2.1	7.8	1.2	6.2	1.2	3.3	0.4	2.4	0.5	36.3	256.6	51.7	59.1
DS_002	2025461086	73.15	74.68	1.52	120.8	255.5	28.0	99.8	17.9	2.7	13.1	1.8	8.7	1.7	4.1	0.5	3.0	0.4	48.8	606.9	127.9	138.4
DS_002	2025461087	74.68	76.20	1.52	466.8	883.2	88.9	298.6	46.8	2.8	27.0	2.7	10.0	1.6	3.2	0.3	1.5	0.3	42.2	1,876.0	387.5	400.2
DS_002	2025461089	76.20	77.72	1.52	364.7	737.0	76.6	269.4	45.5	2.6	29.2	3.3	15.0	2.6	6.2	0.7	3.8	0.6	69.1	1,626.3	346.0	364.4
DS_002	2025461090	77.72	79.25	1.52	139.0	314.5	33.1	111.6	19.2	2.0	13.2	1.5	6.7	1.2	3.0	0.4	2.2	0.3	35.4	683.2	144.7	152.9
DS_002	2025461091	79.25	80.77	1.52	267.4	601.9	61.0	209.4	34.7	2.4	22.1	2.4	9.3	1.5	3.5	0.4	1.8	0.3	40.6	1,258.7	270.4	282.1
DS_002	2025461092	80.77	82.30	1.52	551.2	1,105.6	110.8	377.9	57.2	2.4	33.2	3.3	12.3	1.7	3.2	0.3	1.3	0.2	47.0	2,307.5	488.7	504.3
DS_002	2025461093	82.30	83.82	1.52	562.9	1,142.4	116.2	391.9	60.1	2.0	33.5	3.4	12.1	1.8	3.4	0.3	1.6	0.2	47.5	2,379.4	508.1	523.6
DS_002	2025461094	83.82	85.34	1.52	238.1	522.1	52.8	182.0	34.3	2.3	23.2	2.6	10.4	1.6	3.2	0.3	1.8	0.3	42.3	1,117.2	234.8	247.8
DS_002	2025461095	85.34	86.87	1.52	129.6	262.9	28.3	95.4	16.8	2.2	13.0	1.7	8.1	1.5	3.9	0.5	3.3	0.4	45.7	613.4	123.7	133.5
DS_002	2025461096	86.87	88.39	1.52	65.8	131.4	14.5	50.5	9.6	1.6	8.6	1.3	7.7	1.6	4.3	0.6	3.9	0.6	50.4	352.5	65.0	74.0
DS_002	2025461097	88.39	89.92	1.52	74.6	142.5	15.5	55.4	10.2	1.5	8.5	1.4	8.8	1.9	5.5	0.8	5.1	0.8	57.9	390.5	70.9	81.1
DS_002	2025461098	89.92	91.44	1.52	80.7	157.2	16.8	58.1	10.6	1.4	10.0	1.8	11.9	2.6	7.6	1.2	7.3	1.1	81.0	449.3	74.9	88.6
DS_002	2025461100	91.44	92.96	1.52	89.7	185.5	20.1	70.9	12.8	1.6	9.3	1.4	8.0	1.6	4.5	0.6	3.8	0.6	53.1	463.6	91.0	100.5
DS_002	2025461301	92.96	94.49	1.52	67.8	137.6	14.8	51.1	9.2	1.4	6.9	1.1	6.0	1.4	4.2	0.6	4.2	0.7	41.0	348.0	65.9	72.9
DS_002	2025461302	94.49	96.01	1.52	72.0	146.8	15.8	53.2	10.4	1.5	8.0	1.2	7.4	1.8	5.2	0.8	5.1	0.8	50.3	380.1	69.0	77.6
DS_002	2025461303	96.01	97.54	1.52	252.2	533.1	55.2	187.2	26.0	1.8	16.5	2.0	9.2	1.4	3.2	0.4	2.6	0.4	41.5	1,132.8	242.4	253.5

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_002	2025461304	97.54	99.06	1.52	120.2	235.9	26.7	91.8	13.5	1.6	9.9	1.4	8.0	1.5	4.3	0.6	4.0	0.6	46.9	566.6	118.5	127.8
DS_002	2025461305	99.06	100.58	1.52	154.8	301.0	33.5	112.6	16.9	1.8	11.5	1.4	8.0	1.4	4.1	0.5	4.1	0.6	42.7	694.8	146.0	155.4
DS_002	2025461306	100.58	102.11	1.52	245.1	523.3	52.8	177.9	24.6	1.7	16.7	2.0	9.4	1.5	3.7	0.5	3.1	0.5	48.3	1,111.0	230.7	242.1
DS_002	2025461307	102.11	103.63	1.52	370.6	711.2	73.6	248.4	37.2	1.9	23.4	2.5	10.4	1.5	3.1	0.3	1.8	0.3	42.7	1,529.0	322.0	335.0
DS_002	2025461308	103.63	105.16	1.52	247.5	539.3	58.5	207.6	30.8	1.2	20.1	2.2	9.0	1.4	3.1	0.4	1.8	0.3	37.7	1,160.7	266.1	277.2
DS_002	2025461309	105.16	106.68	1.52	40.3	80.8	9.6	33.8	6.3	1.2	5.4	0.7	3.5	0.6	1.6	0.2	1.3	0.2	18.2	203.6	43.4	47.6
DS_002	2025461311	106.68	108.20	1.52	56.1	113.4	12.6	44.9	7.8	1.2	5.9	0.8	4.3	0.7	1.9	0.3	1.3	0.2	21.8	273.1	57.5	62.6
DS_002	2025461312	108.20	109.73	1.52	45.3	95.4	10.8	37.7	7.3	1.2	5.9	0.9	5.2	1.2	3.6	0.5	3.5	0.6	33.1	252.1	48.5	54.5
DS_002	2025461313	109.73	111.25	1.52	19.1	37.8	4.4	17.0	3.4	1.0	3.3	0.5	3.0	0.6	1.6	0.3	1.7	0.3	18.3	112.2	21.4	24.9
DS_002	2025461314	111.25	112.78	1.52	27.8	56.5	6.6	23.3	4.7	1.0	3.9	0.7	3.6	0.8	2.0	0.3	2.1	0.3	21.3	154.9	29.9	34.2
DS_002	2025461315	112.78	114.30	1.52	42.7	88.4	10.0	36.4	6.5	1.2	4.6	0.7	3.7	0.9	2.5	0.3	2.4	0.4	24.8	225.5	46.4	50.8
DS_002	2025461316	114.30	115.82	1.52	21.7	49.6	6.3	26.1	6.6	1.4	5.8	1.0	6.2	1.3	3.8	0.6	3.5	0.5	37.6	172.1	32.4	39.6
DS_002	2025461317	115.82	117.35	1.52	66.1	129.0	14.1	50.9	8.8	1.5	6.7	1.0	6.5	1.5	4.9	0.8	4.8	0.8	45.8	343.2	65.0	72.5
DS_002	2025461318	117.35	118.87	1.52	52.2	98.0	11.0	38.5	6.0	1.5	4.5	0.6	3.1	0.7	1.9	0.2	1.6	0.2	20.1	240.0	49.5	53.2
DS_002	2025461319	118.87	120.40	1.52	130.8	278.8	32.3	121.3	24.9	2.0	20.7	3.1	15.2	2.5	5.5	0.6	2.9	0.4	76.1	717.1	153.6	171.9
DS_002	2025461320	120.40	121.92	1.52	53.0	122.0	15.4	61.5	13.6	1.5	13.0	2.0	10.4	2.0	4.4	0.6	3.3	0.5	57.0	360.3	76.9	89.3
DS_002	2025461322	121.92	123.44	1.52	15.4	33.3	4.2	18.1	4.7	1.1	5.1	0.9	5.7	1.2	3.3	0.5	3.1	0.5	33.5	130.6	22.3	28.9
DS_002	2025461323	123.44	124.97	1.52	9.0	22.5	3.1	14.0	4.0	1.1	4.9	0.9	5.2	1.2	3.3	0.5	3.0	0.5	33.4	106.7	17.1	23.3
DS_002	2025461324	124.97	126.49	1.52	10.9	25.6	3.4	13.7	3.7	1.0	4.2	0.7	4.2	0.9	2.8	0.4	2.5	0.4	28.6	103.1	17.1	22.1
DS_002	2025461325	126.49	128.02	1.52	5.4	13.6	1.9	8.0	2.4	0.8	3.1	0.6	3.3	0.8	2.1	0.3	1.9	0.3	20.8	65.3	9.9	13.8
DS_002	2025461326	128.02	129.54	1.52	10.5	24.3	3.1	12.7	3.4	1.1	4.0	0.7	4.0	1.0	2.5	0.4	2.4	0.4	25.7	96.0	15.8	20.5
DS_002	2025461327	129.54	131.06	1.52	3.2	8.8	1.4	6.5	2.2	0.9	3.2	0.6	3.8	0.8	2.5	0.4	2.1	0.3	22.9	59.6	7.9	12.2
DS_002	2025461328	131.06	132.59	1.52	22.5	48.3	5.4	20.9	4.6	1.0	3.8	0.6	3.6	0.7	2.0	0.3	1.9	0.3	21.8	137.9	26.4	30.6
DS_002	2025461329	132.59	134.11	1.52	38.8	78.9	9.2	32.9	5.9	1.3	5.1	0.8	5.1	1.0	3.0	0.4	2.5	0.4	30.1	215.5	42.1	48.0

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_002	2025461330	134.11	135.64	1.52	80.3	156.6	17.0	60.9	10.0	1.5	8.0	1.2	7.3	1.5	4.6	0.7	4.7	0.7	46.5	401.6	77.9	86.4
DS_002	2025461331	135.64	137.16	1.52	17.9	40.7	5.3	23.8	6.1	1.8	7.3	1.4	8.4	1.9	5.2	0.8	5.1	0.8	52.6	179.0	29.1	38.8
DS_002	2025461333	137.16	138.68	1.52	11.1	25.7	3.4	13.7	3.5	1.1	4.5	0.7	4.5	1.1	3.0	0.4	2.6	0.4	29.1	104.9	17.1	22.3
DS_002	2025461334	138.68	140.21	1.52	35.9	79.1	9.7	36.3	7.2	1.2	6.3	1.0	5.5	1.1	3.2	0.4	2.4	0.4	33.5	223.1	45.9	52.4
DS_002	2025461335	140.21	141.73	1.52	31.7	66.0	7.6	29.0	4.9	1.3	4.9	0.8	4.9	1.2	3.4	0.5	3.4	0.5	33.1	193.2	36.6	42.3
DS_002	2025461336	141.73	143.26	1.52	12.4	28.7	3.7	15.5	4.1	1.0	4.1	0.7	4.4	1.0	2.9	0.4	2.6	0.4	27.6	109.6	19.3	24.4
DS_002	2025461337	143.26	144.78	1.52	34.0	67.6	7.6	26.7	4.4	1.1	3.6	0.5	3.2	0.6	1.9	0.3	1.5	0.2	18.4	171.6	34.3	38.0
DS_002	2025461338	144.78	146.30	1.52	18.8	39.7	4.5	17.1	3.6	0.8	3.2	0.7	3.7	0.8	2.3	0.3	2.0	0.3	22.6	120.4	21.7	26.0
DS_002	2025461339	146.30	147.83	1.52	12.0	26.5	3.3	13.6	3.2	0.8	4.1	0.8	5.1	1.1	3.4	0.5	3.1	0.5	32.4	110.3	16.9	22.8
DS_002	2025461340	147.83	149.35	1.52	11.4	25.3	3.0	11.7	2.8	0.7	3.1	0.6	3.7	0.9	2.6	0.4	2.3	0.3	24.6	93.4	14.7	19.1
DS_002	2025461341	149.35	150.88	1.52	15.5	39.2	5.1	20.6	5.5	1.0	6.0	1.1	6.8	1.4	3.9	0.6	3.7	0.5	40.0	151.0	25.7	33.7
DS_002	2025461342	150.88	152.40	1.52	22.7	48.2	5.4	20.6	4.3	1.0	3.7	0.7	3.9	0.8	1.9	0.3	1.8	0.3	22.6	138.1	26.0	30.6
DS_002	2025461344	152.40	153.92	1.52	23.0	47.7	5.2	18.7	3.3	0.9	2.9	0.5	2.7	0.5	1.6	0.2	1.4	0.2	15.5	124.1	23.9	27.1
DS_002	2025461345	153.92	155.45	1.52	31.0	65.7	7.3	25.5	5.1	0.8	4.4	0.6	3.5	0.6	1.7	0.2	1.1	0.1	17.9	165.5	32.9	36.9
DS_002	2025461346	155.45	156.97	1.52	17.3	36.6	4.2	14.5	2.6	0.8	2.3	0.4	2.5	0.5	1.8	0.2	1.5	0.2	15.6	101.1	18.7	21.6
DS_002	2025461347	156.97	158.50	1.52	17.4	37.5	4.3	15.4	3.1	0.8	2.4	0.4	2.2	0.4	1.2	0.1	0.8	0.1	12.3	98.4	19.7	22.4
DS_002	2025461348	158.50	160.02	1.52	93.2	195.9	21.9	74.9	12.3	1.4	8.5	1.1	4.9	0.9	2.7	0.3	1.8	0.3	25.7	445.9	96.8	102.8
DS_002	2025461349	160.02	161.54	1.52	148.4	309.6	33.7	117.2	17.1	2.3	12.6	1.5	8.0	1.5	4.3	0.5	2.8	0.4	42.9	702.7	150.9	160.4
DS_002	2025461350	161.54	163.07	1.52	44.9	97.7	11.7	46.8	9.0	1.9	7.9	1.1	6.3	1.2	3.8	0.4	2.5	0.4	35.8	271.3	58.5	65.9
DS_002	2025461351	163.07	164.59	1.52	48.4	98.8	11.2	39.3	7.1	1.4	6.3	0.8	4.8	1.0	2.9	0.3	2.3	0.4	27.9	253.0	50.5	56.2
DS_002	2025461352	164.59	166.12	1.52	53.1	109.3	12.4	43.5	7.3	1.2	5.5	0.7	3.9	0.7	2.0	0.2	1.5	0.2	19.9	261.6	56.0	60.6
DS_002	2025461353	166.12	167.64	1.52	53.1	101.2	10.6	36.5	4.9	1.3	3.6	0.4	2.2	0.4	0.9	0.1	0.8	0.1	10.5	226.6	47.2	49.7
DS_002	2025461355	167.64	169.16	1.52	63.9	145.0	18.2	71.9	12.9	2.2	11.3	1.4	7.9	1.5	3.9	0.5	2.7	0.4	39.9	383.5	90.1	99.4
DS_002	2025461356	169.16	170.69	1.52	75.1	189.2	25.3	101.7	20.2	2.8	18.6	2.6	13.6	2.6	7.3	0.9	4.6	0.6	70.4	535.3	127.0	143.1

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_002	2025461357	170.69	172.21	1.52	74.5	179.3	23.7	96.0	18.1	2.6	17.3	2.3	13.6	2.7	7.0	0.8	4.6	0.6	71.0	514.3	119.7	135.6
DS_002	2025461358	172.21	173.74	1.52	72.5	176.9	23.7	97.5	21.2	3.0	19.1	2.8	16.9	3.1	9.0	1.1	6.0	0.8	85.2	538.6	121.2	140.8
DS_002	2025461359	173.74	175.26	1.52	71.7	165.8	22.0	90.3	17.4	2.6	16.6	2.4	14.0	2.6	7.8	0.8	5.1	0.7	72.6	492.4	112.3	128.7
DS_002	2025461360	175.26	176.78	1.52	74.0	173.2	22.6	94.2	18.6	2.8	17.8	2.5	14.6	2.8	8.0	0.9	5.2	0.7	75.9	513.8	116.8	133.9
DS_002	2025461361	176.78	178.31	1.52	82.6	195.9	25.7	102.8	21.6	3.0	19.2	2.9	15.4	3.1	8.1	1.0	5.4	0.8	79.5	567.0	128.5	146.8
DS_002	2025461362	178.31	179.83	1.52	79.3	187.9	24.4	104.5	22.9	2.9	22.0	3.2	19.0	3.5	9.9	1.1	5.8	0.8	93.5	580.6	128.9	151.1
DS_002	2025461363	179.83	181.36	1.52	56.6	129.6	16.4	66.4	13.7	2.4	12.2	1.7	9.7	1.8	4.4	0.5	2.4	0.3	44.4	362.3	82.7	94.1
DS_002	2025461364	181.36	182.88	1.52	116.7	249.4	29.4	112.6	19.5	1.9	16.0	2.0	10.9	2.0	5.4	0.6	2.8	0.4	51.7	621.0	141.9	154.8
DS_002	2025461366	182.88	184.40	1.52	34.1	70.8	8.3	33.1	5.7	1.3	5.7	0.8	4.9	1.0	3.0	0.4	2.4	0.4	26.9	198.7	41.4	47.1
DS_002	2025461367	184.40	185.93	1.52	47.3	97.3	11.5	43.5	7.6	1.6	6.3	0.9	4.9	1.0	2.9	0.4	2.2	0.3	28.8	256.5	55.0	60.8
DS_002	2025461368	185.93	187.45	1.52	72.8	151.7	17.2	61.0	10.9	1.7	8.9	1.3	7.0	1.4	4.0	0.5	2.9	0.5	39.1	380.9	78.2	86.4
DS_002	2025461369	187.45	188.98	1.52	126.7	251.8	27.5	96.7	14.0	1.9	9.8	1.1	5.4	0.8	1.9	0.2	1.1	0.2	22.5	561.6	124.2	130.8
DS_002	2025461370	188.98	190.50	1.52	71.5	145.6	16.4	57.3	9.6	2.0	8.4	1.0	4.8	0.9	2.2	0.3	1.3	0.2	24.4	345.9	73.6	79.4
DS_002	2025461371	190.50	192.02	1.52	104.4	215.6	23.3	81.1	11.9	1.9	8.7	1.0	4.4	0.8	1.8	0.2	1.2	0.2	20.6	476.9	104.3	109.7
DS_002	2025461372	192.02	193.55	1.52	88.2	187.9	21.6	82.0	13.5	1.9	11.6	1.5	7.9	1.4	3.9	0.4	2.4	0.4	39.6	464.2	103.6	113.0
DS_002	2025461373	193.55	195.07	1.52	68.3	161.5	20.5	82.1	15.9	2.5	14.0	1.8	9.4	1.7	4.2	0.5	2.6	0.3	43.9	429.1	102.6	113.7
DS_002	2025461374	195.07	196.60	1.52	91.0	207.6	25.4	97.6	17.2	2.5	15.5	2.0	11.1	1.9	5.6	0.6	3.3	0.5	53.6	535.3	123.0	136.1
DS_002	2025461375	196.60	198.12	1.52	222.8	502.4	57.8	214.6	36.9	2.3	28.0	3.0	13.7	2.1	5.1	0.4	2.4	0.3	54.6	1,146.3	272.4	289.1
DS_003	2025461377	0.00	1.52	1.52	39.1	79.7	8.8	30.0	5.4	0.9	3.9	0.5	3.0	0.5	1.7	0.2	1.5	0.2	18.0	193.6	38.8	42.3
DS_003	2025461378	1.52	3.05	1.52	33.8	70.9	8.0	29.4	4.6	0.9	3.7	0.5	2.7	0.5	1.3	0.2	1.3	0.2	15.7	173.7	37.4	40.6
DS_003	2025461379	3.05	4.57	1.52	42.8	88.6	9.8	35.2	5.9	1.2	4.0	0.6	3.5	0.6	2.0	0.3	1.6	0.2	21.0	217.3	45.0	49.1
DS_003	2025461380	4.57	6.10	1.52	44.8	90.8	10.3	36.2	5.6	1.1	4.1	0.6	3.5	0.6	2.1	0.3	1.7	0.3	21.7	223.7	46.5	50.6
DS_003	2025461381	6.10	7.62	1.52	243.9	538.0	58.1	211.1	31.4	1.6	17.5	1.8	7.6	1.2	2.5	0.3	1.6	0.3	32.9	1,149.9	269.2	278.7
DS_003	2025461382	7.62	9.14	1.52	26.3	57.7	6.7	25.2	5.2	0.8	4.2	0.6	3.4	0.6	1.8	0.2	1.7	0.3	19.4	154.2	31.9	35.9

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_003	2025461383	9.14	10.67	1.52	518.4	1,152.2	117.8	423.4	56.5	1.7	31.5	3.0	11.3	1.5	2.7	0.3	1.4	0.2	41.1	2,363.0	541.2	555.5
DS_003	2025461384	10.67	12.19	1.52	516.0	1,079.8	114.8	400.1	51.6	1.9	28.9	2.7	10.3	1.3	2.2	0.2	1.0	0.1	37.5	2,248.6	514.9	527.9
DS_003	2025461385	12.19	13.72	1.52	79.3	157.2	16.4	61.2	8.0	1.4	4.8	0.5	1.9	0.3	0.6	0.1	0.3	0.0	7.5	339.5	77.7	80.0
DS_003	2025461386	13.72	15.24	1.52	157.2	325.5	35.5	126.6	16.9	1.7	10.9	1.1	4.8	0.7	1.3	0.1	0.5	0.1	18.3	701.0	162.1	167.9
DS_003	2025461388	15.24	16.76	1.52	31.5	66.2	7.3	25.7	4.0	0.8	2.3	0.3	0.9	0.2	0.3	0.0	0.3	0.0	5.0	144.8	32.9	34.1
DS_003	2025461389	16.76	18.29	1.52	107.4	240.2	27.2	98.1	15.9	0.9	10.3	1.1	3.8	0.5	0.9	0.1	0.4	0.0	14.6	521.4	125.3	130.1
DS_003	2025461390	18.29	19.81	1.52	132.5	288.7	32.6	120.7	18.9	1.2	13.1	1.6	7.5	1.2	2.1	0.2	0.9	0.1	31.1	652.5	153.3	162.4
DS_003	2025461391	19.81	21.34	1.52	8.2	18.7	2.1	8.4	2.0	0.4	1.7	0.3	1.5	0.2	0.8	0.1	0.6	0.1	8.4	53.5	10.5	12.3
DS_003	2025461392	21.34	22.86	1.52	10.9	23.0	2.6	10.3	2.1	0.4	1.6	0.2	1.0	0.2	0.4	0.0	0.3	0.1	5.5	58.5	12.9	14.1
DS_003	2025461393	22.86	24.38	1.52	32.5	67.3	7.7	27.6	5.3	0.6	3.3	0.5	1.9	0.3	0.7	0.1	0.6	0.1	9.3	157.8	35.4	37.8
DS_003	2025461394	24.38	25.91	1.52	8.8	17.3	1.8	7.8	1.1	0.5	1.0	0.1	0.7	0.1	0.3	0.0	0.2	0.0	3.7	43.7	9.7	10.5
DS_003	2025461395	25.91	27.43	1.52	6.0	12.0	1.4	4.9	0.9	0.5	0.7	0.1	0.7	0.1	0.2	0.0	0.3	0.0	3.8	31.7	6.3	7.1
DS_003	2025461396	27.43	28.96	1.52	4.2	9.7	1.1	4.5	1.0	0.3	0.7	0.1	0.4	0.1	0.2	0.0	0.1	0.0	2.4	25.0	5.6	6.1
DS_003	2025461397	28.96	30.48	1.52	6.2	12.4	1.5	5.7	1.3	0.4	1.0	0.1	0.5	0.1	0.3	0.0	0.1	0.0	3.2	32.9	7.2	7.9
DS_003	2025461399	30.48	32.00	1.52	7.7	15.8	1.7	6.7	1.4	0.4	1.3	0.2	0.7	0.2	0.4	0.0	0.4	0.0	5.1	42.0	8.4	9.3
DS_003	2025461400	32.00	33.53	1.52	4.0	8.2	1.0	4.2	0.9	0.3	0.7	0.1	0.4	0.1	0.2	0.0	0.2	0.0	2.8	23.3	5.2	5.7
DS_003	2025536001	33.53	35.05	1.52	4.1	9.1	1.1	5.1	1.1	0.4	0.9	0.1	0.5	0.1	0.3	0.0	0.2	0.0	2.8	25.8	6.3	6.9
DS_003	2025536002	35.05	36.58	1.52	5.4	10.6	1.4	5.9	1.1	0.3	1.3	0.1	0.8	0.1	0.2	0.0	0.2	0.0	3.7	31.2	7.3	8.2
DS_003	2025536003	36.58	38.10	1.52	5.0	11.1	1.3	4.9	1.1	0.4	1.0	0.2	1.0	0.2	0.4	0.1	0.2	0.0	5.1	31.8	6.2	7.3
DS_003	2025536004	38.10	39.62	1.52	7.3	16.8	2.1	8.4	2.3	0.4	2.2	0.4	2.4	0.4	0.9	0.1	0.5	0.1	11.6	56.0	10.6	13.4
DS_003	2025536005	39.62	41.15	1.52	18.6	41.2	4.7	17.5	4.0	0.8	3.2	0.5	3.0	0.7	1.9	0.3	1.6	0.2	17.8	115.9	22.2	25.8
DS_003	2025536006	41.15	42.67	1.52	16.0	32.1	4.0	15.6	3.5	0.8	2.9	0.5	3.0	0.6	1.8	0.2	1.5	0.3	18.2	100.8	19.5	23.0
DS_003	2025536007	42.67	44.20	1.52	5.9	11.7	1.5	5.6	1.1	0.4	0.9	0.1	0.5	0.1	0.2	0.0	0.2	0.0	3.2	31.3	7.0	7.7
DS_003	2025536008	44.20	45.72	1.52	7.3	14.9	1.7	6.8	1.4	0.2	1.2	0.2	0.8	0.1	0.4	0.0	0.2	0.0	4.1	39.4	8.5	9.5

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_003	2025536010	45.72	47.24	1.52	10.1	20.0	2.4	9.2	1.8	0.5	1.1	0.1	0.6	0.1	0.3	0.0	0.2	0.0	3.3	49.8	11.6	12.4
DS_003	2025536011	47.24	48.77	1.52	11.1	25.4	3.3	14.2	3.5	0.4	3.6	0.6	3.0	0.5	1.2	0.2	0.8	0.1	18.3	86.3	17.6	21.2
DS_003	2025536012	48.77	50.29	1.52	18.9	37.6	4.8	16.6	3.1	0.6	2.5	0.3	1.9	0.4	1.0	0.1	0.9	0.1	12.1	100.9	21.3	23.5
DS_003	2025536013	50.29	51.82	1.52	101.6	199.6	24.1	84.6	12.7	1.0	8.5	1.0	3.5	0.6	1.3	0.1	0.8	0.1	16.5	455.9	108.7	113.2
DS_003	2025536014	51.82	53.34	1.52	240.4	500.0	56.7	198.9	29.0	1.4	16.8	1.7	6.9	1.0	1.7	0.2	0.8	0.1	28.4	1,083.8	255.5	264.1
DS_003	2025536015	53.34	54.86	1.52	73.4	138.8	16.4	59.6	8.0	0.8	4.4	0.5	1.7	0.3	0.5	0.1	0.3	0.0	8.5	313.4	76.0	78.2
DS_003	2025536016	54.86	56.39	1.52	6.2	12.8	1.7	6.7	1.7	0.4	1.2	0.2	0.9	0.2	0.4	0.1	0.3	0.0	5.0	37.6	8.4	9.5
DS_003	2025536017	56.39	57.91	1.52	30.1	56.3	6.6	24.3	3.9	0.7	2.4	0.3	1.0	0.2	0.3	0.0	0.3	0.0	5.1	131.5	30.9	32.1
DS_003	2025536018	57.91	59.44	1.52	9.4	18.8	2.5	9.8	1.8	0.8	2.1	0.3	1.8	0.4	0.9	0.1	0.8	0.1	11.3	60.9	12.3	14.4
DS_003	2025536019	59.44	60.96	1.52	15.5	31.9	4.4	17.4	4.1	1.3	4.2	0.7	3.8	0.8	2.1	0.3	1.8	0.2	22.6	111.0	21.7	26.2
DS_003	2025536021	60.96	62.48	1.52	5.8	11.1	1.5	5.8	0.9	0.4	0.9	0.1	0.6	0.1	0.2	0.0	0.2	0.0	3.6	31.2	7.2	7.9
DS_003	2025536022	62.48	64.01	1.52	8.2	17.2	1.9	7.8	1.3	0.5	1.1	0.2	0.9	0.2	0.5	0.1	0.4	0.1	5.6	45.8	9.7	10.8
DS_003	2025536023	64.01	65.53	1.52	4.8	8.8	1.1	3.4	0.7	0.6	0.7	0.1	0.6	0.1	0.3	0.0	0.2	0.0	3.8	25.2	4.5	5.2
DS_003	2025536024	65.53	67.06	1.52	15.3	38.0	5.5	23.0	5.6	0.8	6.2	1.2	7.1	1.1	2.3	0.2	1.1	0.1	38.0	145.5	28.5	36.8
DS_003	2025536025	67.06	68.58	1.52	8.9	19.4	2.4	9.8	2.3	0.5	2.0	0.3	2.0	0.4	0.9	0.1	0.5	0.1	11.4	61.1	12.2	14.6
DS_003	2025536026	68.58	70.10	1.52	9.2	20.5	2.7	11.2	2.6	0.6	2.5	0.4	2.6	0.4	1.0	0.1	0.6	0.1	15.1	69.6	13.9	16.9
DS_003	2025536027	70.10	71.63	1.52	5.7	11.4	1.4	5.4	0.9	0.5	0.7	0.1	0.5	0.1	0.3	0.0	0.3	0.0	3.2	30.6	6.8	7.4
DS_003	2025536028	71.63	73.15	1.52	6.6	12.7	1.5	5.6	1.3	0.4	1.3	0.3	1.2	0.2	0.6	0.1	0.5	0.1	7.9	40.3	7.2	8.6
DS_003	2025536029	73.15	74.68	1.52	8.8	17.3	2.1	8.2	1.6	0.5	1.3	0.2	1.1	0.2	0.5	0.1	0.4	0.1	6.5	48.8	10.3	11.5
DS_003	2025536030	74.68	76.20	1.52	12.1	24.3	2.9	11.1	2.1	0.7	1.6	0.2	1.2	0.2	0.5	0.1	0.4	0.1	6.1	63.6	14.0	15.4
DS_003	2025536032	76.20	77.72	1.52	39.5	81.0	9.4	34.3	7.0	1.1	4.7	0.6	3.3	0.5	1.2	0.1	0.6	0.1	15.4	198.9	43.7	47.7
DS_003	2025536033	77.72	79.25	1.52	107.4	215.0	25.4	88.4	13.7	1.2	8.2	0.9	3.9	0.6	1.3	0.1	0.6	0.1	18.3	485.1	113.8	118.5
DS_003	2025536034	79.25	80.77	1.52	11.6	24.4	3.1	12.4	3.0	0.8	2.6	0.4	2.7	0.6	1.6	0.2	1.2	0.2	16.4	81.1	15.5	18.6
DS_003	2025536035	80.77	82.30	1.52	11.0	21.6	2.6	8.8	1.9	0.5	1.2	0.2	1.1	0.3	0.5	0.1	0.3	0.1	5.2	55.3	11.4	12.7

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_003	2025536036	82.30	83.82	1.52	13.8	27.3	3.3	12.5	2.2	0.7	1.4	0.2	1.0	0.2	0.5	0.1	0.4	0.0	6.6	70.1	15.7	16.9
DS_003	2025536037	83.82	85.34	1.52	58.6	122.7	14.7	52.4	8.8	0.8	5.1	0.6	2.7	0.4	1.0	0.1	0.6	0.1	12.2	281.1	67.1	70.4
DS_003	2025536038	85.34	86.87	1.52	8.3	17.3	2.0	8.2	1.5	0.5	1.2	0.2	1.0	0.2	0.4	0.1	0.4	0.1	5.8	47.1	10.2	11.3
DS_003	2025536039	86.87	88.39	1.52	10.2	22.0	2.4	9.8	2.1	0.3	1.6	0.3	1.4	0.3	0.8	0.1	0.9	0.1	9.0	61.4	12.2	13.9
DS_003	2025536040	88.39	89.92	1.52	14.9	32.4	3.7	13.6	3.2	0.4	2.2	0.3	2.0	0.4	1.3	0.2	1.0	0.2	11.6	87.5	17.4	19.7
DS_003	2025536041	89.92	91.44	1.52	10.6	22.4	2.9	10.9	2.3	0.8	2.7	0.4	2.5	0.5	1.6	0.2	1.3	0.1	14.9	74.0	13.7	16.6
DS_003	2025536043	91.44	92.96	1.52	11.3	25.4	2.9	11.9	2.9	0.5	2.7	0.3	1.8	0.3	0.8	0.1	0.6	0.1	9.8	71.3	14.8	16.8
DS_003	2025536044	92.96	94.49	1.52	6.6	14.6	1.6	6.8	1.5	0.3	1.6	0.2	1.2	0.2	0.6	0.1	0.3	0.0	5.8	41.4	8.4	9.8
DS_003	2025536045	94.49	96.01	1.52	4.2	9.1	1.0	4.5	1.0	0.3	0.7	0.0	0.6	0.1	0.3	0.0	0.2	0.0	2.9	25.0	5.5	6.1
DS_003	2025536046	96.01	97.54	1.52	6.9	15.4	1.6	6.3	1.0	0.4	0.9	0.1	0.5	0.1	0.1	0.0	0.1	0.0	2.5	35.9	7.9	8.4
DS_003	2025536047	97.54	99.06	1.52	8.4	17.7	1.8	7.1	1.2	0.5	1.0	0.1	0.7	0.1	0.2	0.0	0.3	0.0	3.4	42.6	8.9	9.7
DS_003	2025536048	99.06	100.58	1.52	9.1	19.4	2.0	7.6	1.8	0.5	1.3	0.1	0.8	0.1	0.3	0.0	0.2	0.0	3.3	46.6	9.6	10.6
DS_003	2025536049	100.58	102.11	1.52	17.9	38.1	4.4	16.4	3.3	0.6	3.0	0.3	1.5	0.3	0.4	0.0	0.2	0.0	7.5	94.1	20.8	22.7
DS_003	2025536050	102.11	103.63	1.52	14.1	30.1	3.3	12.4	2.0	0.8	1.9	0.3	1.0	0.2	0.3	0.1	0.3	0.1	6.1	72.9	15.7	17.0
DS_003	2025536051	103.63	105.16	1.52	14.5	31.3	3.7	13.6	3.2	0.6	2.8	0.4	2.5	0.4	0.8	0.1	0.6	0.1	11.7	86.2	17.2	20.1
DS_003	2025536052	105.16	106.68	1.52	9.1	19.2	2.0	8.7	1.7	0.5	1.4	0.1	0.9	0.2	0.3	0.1	0.4	0.1	4.2	48.8	10.7	11.7
DS_003	2025536054	106.68	108.20	1.52	9.7	19.0	2.3	8.8	1.9	0.5	1.0	0.2	0.7	0.1	0.5	0.0	0.3	0.0	4.4	49.5	11.1	12.0
DS_003	2025536055	108.20	109.73	1.52	10.3	21.0	2.4	9.1	1.7	0.5	1.2	0.2	0.8	0.2	0.4	0.0	0.3	0.1	4.7	53.0	11.5	12.5
DS_003	2025536056	109.73	111.25	1.52	16.0	34.3	3.9	12.4	2.2	0.4	1.7	0.2	1.0	0.2	0.5	0.1	0.3	0.1	5.1	78.3	16.3	17.5
DS_003	2025536057	111.25	112.78	1.52	10.1	21.5	2.5	9.8	2.0	0.5	1.9	0.2	1.1	0.2	0.7	0.1	0.6	0.1	7.1	58.3	12.3	13.6
DS_003	2025536058	112.78	114.30	1.52	14.6	31.1	3.7	12.4	2.1	0.5	1.8	0.2	1.2	0.2	0.6	0.1	0.3	0.1	6.3	75.1	16.1	17.4
DS_003	2025536059	114.30	115.82	1.52	138.4	291.1	32.9	118.4	19.4	1.6	13.0	1.3	6.0	1.0	2.2	0.2	1.0	0.1	27.9	654.6	151.3	158.5
DS_003	2025536060	115.82	117.35	1.52	57.7	123.5	13.8	49.1	7.8	0.8	5.3	0.5	2.3	0.4	0.8	0.1	0.5	0.0	10.7	273.3	62.9	65.8
DS_003	2025536061	117.35	118.87	1.52	12.8	27.0	2.9	11.5	1.5	0.6	1.5	0.2	1.3	0.2	0.5	0.1	0.4	0.1	5.2	65.8	14.5	15.9

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_003	2025536062	118.87	120.40	1.52	11.8	24.1	2.9	9.8	1.9	0.6	1.6	0.2	1.4	0.2	0.6	0.1	0.7	0.1	7.0	62.9	12.6	14.2
DS_003	2025536063	120.40	121.92	1.52	42.2	88.6	9.9	35.0	6.2	1.1	4.3	0.6	2.9	0.5	1.6	0.2	1.4	0.3	15.2	209.9	44.9	48.3
DS_003	2025536065	121.92	123.44	1.52	46.2	102.0	12.1	45.3	9.7	0.8	7.0	1.0	5.1	1.0	3.4	0.4	3.1	0.4	31.4	268.9	57.3	63.5
DS_003	2025536066	123.44	124.97	1.52	14.7	31.3	3.7	12.8	2.7	0.6	1.9	0.3	2.1	0.4	1.4	0.2	1.2	0.2	12.2	85.6	16.5	18.9
DS_003	2025536067	124.97	126.49	1.52	29.1	61.5	6.6	23.6	3.8	0.8	2.9	0.3	1.6	0.3	0.7	0.1	0.5	0.1	7.9	139.6	30.1	32.0
DS_003	2025536068	126.49	128.02	1.52	9.6	19.8	2.2	8.0	1.3	0.5	1.3	0.2	0.8	0.2	0.5	0.1	0.5	0.0	6.0	50.9	10.2	11.2
DS_003	2025536069	128.02	129.54	1.52	9.8	19.9	2.4	9.1	1.9	0.5	1.3	0.2	1.2	0.2	0.7	0.1	0.7	0.1	8.1	56.3	11.5	12.9
DS_003	2025536070	129.54	131.06	1.52	12.8	26.4	3.0	12.2	2.2	0.4	2.0	0.2	1.5	0.3	0.7	0.1	0.7	0.1	8.0	70.6	15.2	17.0
DS_003	2025536071	131.06	132.59	1.52	14.4	31.1	3.8	14.6	3.0	0.5	1.9	0.3	1.9	0.4	1.2	0.2	1.1	0.2	10.8	85.3	18.4	20.5
DS_003	2025536072	132.59	134.11	1.52	55.1	124.1	14.7	56.6	13.2	1.1	10.2	1.2	7.1	1.0	2.4	0.2	1.3	0.1	31.2	319.5	71.3	79.6
DS_003	2025536073	134.11	135.64	1.52	11.0	24.1	2.9	11.7	2.7	0.5	2.2	0.3	1.4	0.3	0.8	0.1	0.6	0.1	9.0	67.5	14.5	16.2
DS_003	2025536074	135.64	137.16	1.52	11.1	22.5	2.5	9.8	1.7	0.5	1.4	0.2	1.1	0.2	0.5	0.1	0.5	0.1	6.3	58.5	12.3	13.5
DS_003	2025536076	137.16	138.68	1.52	11.3	22.1	2.5	9.6	1.9	0.6	1.5	0.2	1.1	0.2	0.6	0.1	0.5	0.1	6.0	58.3	12.2	13.4
DS_003	2025536077	138.68	140.21	1.52	10.1	21.4	2.4	8.7	1.8	0.6	1.5	0.2	0.9	0.1	0.4	0.1	0.5	0.1	5.2	53.7	11.1	12.2
DS_003	2025536078	140.21	141.73	1.52	49.3	97.7	10.3	37.1	5.6	1.3	3.1	0.4	1.6	0.3	0.6	0.1	0.4	0.1	7.6	215.4	47.4	49.4
DS_003	2025536079	141.73	143.26	1.52	150.1	308.3	34.7	119.0	19.1	1.4	13.9	1.3	6.0	1.0	2.5	0.4	2.1	0.3	30.5	690.7	153.6	161.0
DS_003	2025536080	143.26	144.78	1.52	30.1	60.8	6.7	25.5	4.7	0.8	3.2	0.3	1.8	0.3	0.8	0.1	0.6	0.1	8.9	144.8	32.2	34.3
DS_003	2025536081	144.78	146.30	1.52	13.4	27.8	3.2	11.7	2.3	0.5	1.7	0.2	1.2	0.2	0.7	0.1	0.7	0.1	7.1	70.6	14.8	16.2
DS_003	2025536082	146.30	147.83	1.52	20.1	46.4	5.7	24.3	6.1	1.0	5.8	0.7	4.4	0.7	1.8	0.2	1.5	0.2	22.5	141.4	30.0	35.1
DS_003	2025536083	147.83	149.35	1.52	65.9	140.0	16.4	55.2	8.7	1.0	6.0	0.7	3.0	0.6	1.7	0.2	1.3	0.2	15.4	316.3	71.5	75.2
DS_003	2025536084	149.35	150.88	1.52	70.7	149.3	16.3	57.2	9.7	1.0	6.1	0.6	2.9	0.4	1.0	0.2	0.8	0.1	12.2	328.4	73.4	76.9
DS_003	2025536085	150.88	152.40	1.52	26.0	53.3	5.9	21.1	3.5	0.8	2.6	0.3	1.4	0.2	0.7	0.1	0.5	0.1	6.6	123.2	27.0	28.8
DS_003	2025536087	152.40	153.92	1.52	21.2	46.4	5.1	21.3	4.1	0.8	4.7	0.6	3.9	0.8	2.0	0.3	2.0	0.3	22.2	135.8	26.5	30.9
DS_003	2025536088	153.92	155.45	1.52	11.1	22.8	2.7	9.7	2.1	0.6	1.7	0.3	1.6	0.3	0.7	0.1	0.7	0.1	10.0	64.6	12.4	14.3

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_003	2025536089	155.45	156.97	1.52	19.7	40.3	4.5	14.6	2.8	1.0	2.1	0.2	1.5	0.2	0.6	0.1	0.5	0.1	7.2	95.5	19.1	20.8
DS_003	2025536090	156.97	158.50	1.52	96.3	195.9	21.9	75.8	12.2	1.6	9.3	1.2	6.5	1.1	2.5	0.4	2.3	0.3	34.3	461.7	97.7	105.5
DS_003	2025536091	158.50	160.02	1.52	55.2	114.4	13.0	46.5	9.0	1.3	7.0	1.0	6.1	1.1	3.4	0.5	3.3	0.4	37.0	299.2	59.5	66.7
DS_003	2025536092	160.02	161.54	1.52	36.5	74.9	8.4	30.9	5.1	1.0	4.4	0.6	2.9	0.4	1.3	0.2	1.2	0.1	14.7	182.8	39.3	42.8
DS_003	2025536093	161.54	163.07	1.52	42.7	83.9	9.3	35.8	6.5	1.3	4.5	0.5	2.7	0.4	0.9	0.1	0.8	0.1	11.8	201.3	45.1	48.4
DS_003	2025536094	163.07	164.59	1.52	23.7	47.5	5.4	18.8	3.6	0.7	2.5	0.3	1.6	0.3	1.0	0.2	1.0	0.1	9.7	116.4	24.1	26.1
DS_003	2025536095	164.59	166.12	1.52	15.8	31.4	3.5	12.4	2.0	0.7	1.8	0.2	1.0	0.2	0.3	0.1	0.3	0.1	4.7	74.4	15.9	17.1
DS_003	2025536096	166.12	167.64	1.52	20.3	41.0	4.4	17.0	3.7	0.6	2.4	0.3	1.3	0.2	0.5	0.1	0.5	0.1	7.1	99.4	21.3	22.9
DS_003	2025536098	167.64	168.55	0.91	32.6	66.5	7.3	27.4	5.2	0.8	3.7	0.6	3.6	0.7	1.9	0.2	1.4	0.2	21.2	173.2	34.7	38.9
DS_004	2025536099	0.00	1.52	1.52	43.9	86.7	10.0	38.0	6.7	1.0	5.2	0.7	3.8	0.7	2.0	0.3	1.6	0.2	19.8	220.6	48.0	52.5
DS_004	2025536100	1.52	3.05	1.52	36.4	72.8	8.2	31.8	5.9	0.9	4.3	0.6	3.4	0.6	1.6	0.2	1.5	0.2	18.3	186.7	40.1	44.0
DS_004	2025536101	3.05	4.57	1.52	35.8	71.5	7.8	29.7	4.8	1.0	4.3	0.6	3.3	0.7	1.7	0.3	1.7	0.2	19.2	182.6	37.5	41.4
DS_004	2025536102	4.57	6.10	1.52	75.1	133.3	13.0	46.3	7.4	1.2	6.4	1.0	4.6	0.8	2.1	0.3	1.4	0.2	24.0	317.1	59.4	64.9
DS_004	2025536103	6.10	7.62	1.52	64.0	119.5	12.1	43.6	8.0	1.4	6.6	1.0	3.9	0.7	1.5	0.2	0.9	0.1	20.7	284.2	55.7	60.6
DS_004	2025536104	7.62	9.14	1.52	95.8	165.8	15.9	55.3	8.9	1.2	6.6	0.9	4.2	0.7	1.6	0.2	1.0	0.1	20.4	378.8	71.2	76.3
DS_004	2025536105	9.14	10.67	1.52	136.6	249.4	25.7	93.0	17.1	1.7	14.0	1.8	8.3	1.2	2.3	0.2	1.0	0.1	32.8	585.2	118.7	128.8
DS_004	2025536106	10.67	12.19	1.52	130.8	219.3	21.1	67.3	9.4	1.3	7.1	1.0	4.5	0.7	1.3	0.1	0.7	0.1	19.4	484.0	88.4	93.8
DS_004	2025536107	12.19	13.72	1.52	41.5	77.4	8.6	34.5	7.6	1.1	7.3	1.2	6.2	1.1	2.3	0.3	1.6	0.2	30.9	221.8	43.2	50.5
DS_004	2025536108	13.72	15.24	1.52	41.3	89.2	10.9	46.5	10.4	1.9	11.1	1.8	10.4	1.9	4.2	0.5	2.6	0.4	54.0	286.9	57.4	69.6
DS_004	2025536110	15.24	16.76	1.52	43.9	120.3	17.0	82.5	20.7	2.2	20.0	3.1	16.6	3.1	7.4	0.8	4.3	0.5	80.1	422.5	99.5	119.2
DS_004	2025536111	16.76	18.29	1.52	94.8	183.0	19.6	72.6	14.0	2.0	11.6	1.5	7.4	1.3	3.0	0.3	1.8	0.2	33.7	446.8	92.2	101.1
DS_004	2025536112	18.29	19.81	1.52	155.4	272.7	26.8	91.0	13.9	1.7	10.9	1.4	5.7	0.8	1.3	0.1	0.5	0.1	21.3	603.5	117.8	124.8
DS_004	2025536113	19.81	21.34	1.52	179.4	321.8	31.9	111.3	17.5	1.6	13.8	1.7	6.7	1.1	2.0	0.2	1.2	0.1	29.1	719.5	143.2	151.6
DS_004	2025536114	21.34	22.86	1.52	235.7	404.1	37.0	119.6	18.0	1.6	12.2	1.5	5.6	0.8	1.3	0.1	0.6	0.1	21.5	859.5	156.5	163.6

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_004	2025536115	22.86	24.38	1.52	234.0	410.3	41.0	142.3	22.6	1.8	15.7	1.5	6.5	0.8	1.4	0.1	0.6	0.1	20.1	898.6	183.3	191.2
DS_004	2025536116	24.38	25.91	1.52	184.1	347.6	34.8	124.2	21.4	1.6	16.8	1.8	8.3	1.2	2.3	0.2	1.1	0.1	32.4	778.0	159.0	169.2
DS_004	2025536117	25.91	27.43	1.52	86.4	153.6	15.2	52.5	9.7	1.5	9.6	1.6	8.2	1.5	3.5	0.4	2.0	0.2	43.9	390.0	67.7	77.5
DS_004	2025536118	27.43	28.96	1.52	93.4	160.9	15.9	55.4	10.2	1.8	8.7	1.5	7.6	1.3	3.1	0.3	1.9	0.2	40.9	403.2	71.4	80.4
DS_004	2025536119	28.96	30.48	1.52	145.4	261.6	25.6	87.4	15.1	1.5	12.3	2.0	10.0	1.6	3.4	0.4	2.1	0.2	47.5	616.2	113.0	125.0
DS_004	2025536121	30.48	32.00	1.52	227.5	372.2	33.6	102.6	11.6	1.4	6.6	0.8	3.4	0.6	1.1	0.1	0.7	0.1	17.0	779.4	136.2	140.5
DS_004	2025536122	32.00	33.53	1.52	235.7	367.3	32.1	101.8	11.6	1.3	7.0	0.9	3.9	0.6	1.1	0.1	0.6	0.1	18.0	782.2	134.0	138.8
DS_004	2025536123	33.53	35.05	1.52	212.9	368.5	34.6	108.5	15.2	1.5	10.5	1.3	5.9	0.8	1.6	0.1	0.5	0.1	22.2	784.1	143.0	150.2
DS_004	2025536124	35.05	36.58	1.52	217.0	361.1	32.6	101.9	13.5	1.6	10.3	1.3	6.7	1.1	2.3	0.3	1.2	0.1	29.8	780.8	134.6	142.5
DS_004	2025536125	36.58	38.10	1.52	292.0	543.0	54.5	189.0	30.8	2.4	24.2	3.2	14.2	2.2	4.4	0.4	2.1	0.2	59.8	1,222.5	243.4	260.8
DS_004	2025536126	38.10	39.62	1.52	321.3	656.0	65.2	237.9	39.3	4.4	28.8	3.3	14.5	2.1	4.0	0.5	2.2	0.3	61.8	1,441.7	303.2	320.9
DS_004	2025536127	39.62	41.15	1.52	299.1	527.0	48.8	157.5	20.1	1.7	13.0	1.4	5.8	0.8	1.6	0.1	0.5	0.1	22.4	1,099.9	206.3	213.5
DS_004	2025536128	41.15	42.67	1.52	218.7	351.3	35.8	114.4	18.0	1.5	12.9	1.4	5.6	0.7	1.3	0.1	0.5	0.1	21.2	783.5	150.2	157.2
DS_004	2025536129	42.67	44.20	1.52	189.4	320.6	35.2	120.7	22.2	1.7	17.1	1.9	8.1	1.2	2.2	0.2	1.3	0.2	31.7	753.6	155.9	165.8
DS_004	2025536130	44.20	45.72	1.52	110.8	178.1	19.7	70.6	14.1	1.3	10.9	1.4	6.9	1.1	2.4	0.3	1.5	0.2	31.9	451.2	90.3	98.5
DS_004	2025536132	45.72	47.24	1.52	221.7	356.2	38.5	132.4	24.7	1.6	17.6	2.1	9.3	1.3	2.3	0.2	0.7	0.1	34.5	843.3	170.9	182.3
DS_004	2025536133	47.24	48.77	1.52	289.7	506.1	55.9	194.8	36.8	2.0	25.2	2.6	11.2	1.5	2.1	0.2	0.6	0.1	38.6	1,167.3	250.7	264.5
DS_004	2025536134	48.77	50.29	1.52	236.9	395.5	41.1	135.3	23.8	1.9	15.9	1.6	6.7	0.9	1.7	0.2	0.8	0.1	25.0	887.2	176.4	184.7
DS_004	2025536135	50.29	51.82	1.52	228.1	369.7	37.7	126.0	22.6	1.7	14.5	1.5	6.3	0.8	1.5	0.1	0.6	0.1	23.5	834.7	163.7	171.4
DS_004	2025536136	51.82	53.34	1.52	205.8	289.9	26.7	79.8	10.2	1.6	5.8	0.6	2.6	0.4	0.8	0.1	0.5	0.1	11.4	636.3	106.5	109.7
DS_004	2025536137	53.34	54.86	1.52	246.3	359.9	34.4	105.2	15.9	1.3	11.1	1.4	6.8	1.1	2.0	0.2	0.8	0.1	31.5	818.1	139.6	147.9
DS_004	2025536138	54.86	56.39	1.52	215.8	293.6	25.9	73.0	7.8	1.3	4.0	0.4	1.7	0.3	0.5	0.1	0.3	0.0	8.5	633.2	98.9	101.0
DS_004	2025536139	56.39	57.91	1.52	213.4	293.6	27.3	79.3	10.8	1.4	6.3	0.8	3.8	0.5	1.1	0.1	0.4	0.0	16.0	655.0	106.6	111.2
DS_004	2025536140	57.91	59.44	1.52	220.5	351.3	36.0	117.8	21.3	1.6	16.5	2.2	10.6	1.6	2.9	0.3	1.0	0.1	44.2	827.9	153.8	166.6

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_004	2025536141	59.44	60.96	1.52	245.1	374.7	39.5	132.4	24.7	1.3	21.3	3.0	15.5	2.4	5.6	0.5	2.3	0.3	72.5	941.1	171.9	190.4
DS_004	2025536143	60.96	62.48	1.52	196.4	289.9	28.3	85.7	12.6	1.6	9.4	1.3	6.4	1.0	2.2	0.2	0.9	0.1	27.9	664.0	114.0	121.7
DS_004	2025536144	62.48	64.01	1.52	195.9	273.9	26.1	79.4	10.9	1.2	7.4	0.9	4.3	0.7	1.4	0.1	0.6	0.1	19.9	622.7	105.5	110.7
DS_004	2025536145	64.01	65.53	1.52	219.3	312.0	31.1	101.1	14.4	1.8	10.9	1.2	6.4	1.1	2.5	0.3	1.3	0.2	30.1	733.7	132.2	139.9
DS_004	2025536146	65.53	67.06	1.52	124.9	195.9	19.8	64.3	9.9	1.2	6.9	0.9	4.7	0.8	2.0	0.2	1.0	0.1	22.1	454.7	84.1	89.7
DS_004	2025536147	67.06	68.58	1.52	101.9	167.1	18.2	61.1	11.7	1.2	8.9	1.2	6.6	1.2	3.4	0.4	2.0	0.3	37.0	422.3	79.4	87.2
DS_004	2025536148	68.58	70.10	1.52	95.6	148.6	16.2	58.4	11.7	1.7	9.5	1.2	6.5	1.1	2.8	0.3	1.4	0.2	33.1	388.4	74.6	82.3
DS_004	2025536149	70.10	71.63	1.52	62.2	125.9	16.6	67.7	15.7	1.8	14.8	1.9	10.6	1.9	4.6	0.5	2.7	0.4	54.0	381.1	84.3	96.7
DS_004	2025536150	71.63	73.15	1.52	135.5	261.6	32.9	133.0	24.8	2.5	22.0	3.0	16.1	2.8	7.3	0.8	4.2	0.5	77.2	724.1	165.8	184.9
DS_004	2025536151	73.15	74.68	1.52	174.7	294.8	30.1	98.3	12.8	2.0	8.3	0.9	4.4	0.7	1.5	0.2	0.6	0.1	19.6	649.0	128.4	133.7
DS_004	2025536152	74.68	76.20	1.52	49.0	91.4	10.8	40.5	9.9	1.8	10.6	1.7	9.2	1.7	3.9	0.4	1.8	0.2	47.0	280.0	51.3	62.3
DS_004	2025536154	76.20	77.72	1.52	34.5	69.4	8.3	35.2	11.0	1.4	14.5	2.7	16.0	2.6	6.2	0.7	3.6	0.4	72.9	279.3	43.5	62.2
DS_004	2025536155	77.72	79.25	1.52	90.8	140.7	14.5	50.4	8.4	1.3	7.5	1.0	4.4	0.6	1.3	0.1	0.5	0.1	19.2	340.9	64.9	70.3
DS_004	2025536156	79.25	80.77	1.52	183.5	359.9	39.6	137.6	25.2	1.8	22.5	2.7	11.9	1.6	3.0	0.2	0.9	0.1	43.2	833.7	177.3	191.8
DS_004	2025536157	80.77	82.30	1.52	209.3	355.0	38.5	133.6	26.1	1.9	19.0	2.1	9.3	1.3	2.6	0.2	0.9	0.1	35.3	835.2	172.1	183.5
DS_004	2025536158	82.30	83.82	1.52	187.6	282.5	27.8	90.9	15.2	1.4	11.8	1.5	7.6	1.1	2.2	0.2	0.8	0.1	34.5	665.3	118.7	127.7
DS_004	2025536159	83.82	85.34	1.52	195.3	364.8	43.7	158.0	34.4	1.6	29.5	3.9	19.8	3.5	8.3	0.9	4.5	0.6	99.7	968.5	201.8	225.5
DS_004	2025536160	85.34	86.87	1.52	131.9	240.2	26.8	90.4	16.7	1.6	12.3	1.4	6.8	1.1	2.4	0.3	1.3	0.2	30.6	564.0	117.2	125.5
DS_004	2025536161	86.87	88.39	1.52	30.1	62.6	7.8	33.2	8.3	2.0	8.6	1.3	8.7	1.7	5.3	0.7	5.0	0.7	51.7	227.8	41.0	51.0
DS_004	2025536162	88.39	89.92	1.52	61.6	117.6	14.1	56.7	13.0	1.3	13.3	1.9	10.4	1.9	4.6	0.5	2.5	0.3	54.2	353.9	70.8	83.1
DS_004	2025536163	89.92	91.44	1.52	37.1	74.1	9.3	36.3	9.0	1.4	9.9	1.6	8.8	1.7	4.5	0.6	2.7	0.4	51.4	248.7	45.6	55.9
DS_004	2025536165	91.44	92.96	1.52	208.8	313.2	30.8	100.3	14.6	1.6	10.3	1.3	6.3	0.8	1.7	0.1	0.8	0.1	24.5	715.2	131.1	138.7
DS_004	2025536166	92.96	94.49	1.52	83.3	151.7	16.3	61.7	11.9	1.7	10.0	1.2	6.2	1.0	2.2	0.2	1.2	0.2	27.7	376.5	78.0	85.5
DS_004	2025536167	94.49	96.01	1.52	125.5	233.4	26.1	89.9	14.6	1.8	9.5	1.2	5.7	1.3	3.4	0.4	2.9	0.4	34.9	551.0	116.0	122.9

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_004	2025536168	96.01	97.54	1.52	140.7	269.0	30.1	105.6	16.9	1.8	10.5	1.2	5.8	1.1	2.9	0.5	3.0	0.5	31.2	620.8	135.6	142.6
DS_004	2025536169	97.54	99.06	1.52	220.5	362.4	38.4	134.1	21.4	1.9	14.3	1.6	7.3	1.1	2.6	0.3	1.4	0.2	31.5	839.0	172.6	181.5
DS_004	2025536170	99.06	100.58	1.52	31.2	56.0	6.1	22.4	4.4	0.7	3.4	0.4	2.6	0.5	1.3	0.2	1.5	0.2	14.6	145.5	28.5	31.5
DS_004	2025536171	100.58	102.11	1.52	112.1	203.3	23.3	82.7	14.6	1.7	9.6	1.0	4.7	0.8	2.3	0.3	2.1	0.3	26.2	484.9	106.0	111.7
DS_004	2025536172	102.11	103.63	1.52	331.9	587.2	64.8	231.5	35.8	1.7	24.3	3.0	13.5	2.0	5.0	0.6	3.0	0.4	58.9	1,363.7	296.3	312.8
DS_004	2025536173	103.63	105.16	1.52	101.1	184.3	21.2	74.4	11.9	1.6	8.0	0.9	4.5	0.7	1.9	0.2	1.5	0.2	19.7	432.0	95.6	101.0
DS_004	2025536174	105.16	106.68	1.52	73.3	139.4	15.9	57.5	10.9	1.6	7.3	0.8	4.7	0.8	2.9	0.4	2.8	0.3	26.4	345.1	73.4	78.9
DS_004	2025536176	106.68	108.20	1.52	43.3	84.5	9.6	35.8	6.7	0.9	4.1	0.5	2.6	0.4	1.2	0.2	1.2	0.2	14.0	205.3	45.4	48.5
DS_004	2025536177	108.20	109.73	1.52	34.8	61.8	6.9	26.8	5.8	0.9	4.2	0.5	2.8	0.5	1.5	0.2	1.1	0.2	16.8	164.9	33.7	37.1
DS_004	2025536178	109.73	111.25	1.52	33.7	62.5	7.7	30.1	6.8	0.9	6.6	0.9	6.1	1.1	2.6	0.3	1.9	0.2	32.0	193.3	37.8	44.8
DS_004	2025536179	111.25	112.78	1.52	29.6	63.8	8.6	38.6	9.2	1.3	9.5	1.1	6.8	1.2	3.1	0.3	1.9	0.4	34.0	209.5	47.2	55.1
DS_004	2025536180	112.78	114.30	1.52	32.8	55.5	6.4	24.3	4.7	0.8	4.1	0.6	3.4	0.7	2.2	0.3	2.1	0.3	20.6	158.9	30.7	34.7
DS_004	2025536181	114.30	115.82	1.52	33.1	59.2	6.8	24.7	5.2	0.8	4.0	0.6	3.1	0.6	1.5	0.2	1.4	0.2	17.3	158.7	31.5	35.2
DS_004	2025536182	115.82	117.35	1.52	61.1	122.6	14.0	51.0	8.9	1.1	6.5	0.8	4.0	0.6	1.8	0.2	1.3	0.2	17.8	291.8	64.9	69.7
DS_004	2025536183	117.35	118.87	1.52	54.3	102.2	11.7	41.1	7.7	1.3	6.4	0.8	4.9	0.9	2.6	0.4	1.9	0.3	25.8	262.2	52.8	58.4
DS_004	2025536184	118.87	120.40	1.52	66.8	121.9	13.8	50.6	8.6	1.2	6.1	0.7	3.1	0.5	1.4	0.2	1.0	0.2	14.5	290.6	64.4	68.3
DS_004	2025536185	120.40	121.92	1.52	180.0	316.9	34.7	124.2	17.9	1.5	11.4	1.4	7.3	1.3	3.4	0.4	3.3	0.4	38.1	742.4	158.9	167.6
DS_005	2025536187	0.00	1.52	1.52	30.0	62.0	6.8	25.5	4.0	0.9	3.7	0.5	2.9	0.5	1.2	0.2	1.0	0.2	14.6	154.1	32.4	35.8
DS_005	2025536188	1.52	3.05	1.52	36.1	69.0	7.9	29.0	5.6	0.9	3.8	0.5	3.2	0.6	1.9	0.2	1.4	0.1	18.4	178.8	36.9	40.7
DS_005	2025536189	3.05	4.57	1.52	33.2	63.0	7.3	26.1	4.5	0.8	3.5	0.5	3.0	0.6	1.7	0.2	1.4	0.2	16.1	162.2	33.4	36.9
DS_005	2025536190	4.57	6.10	1.52	148.9	208.8	19.0	54.8	6.3	1.0	4.3	0.5	3.1	0.5	0.9	0.1	0.5	0.1	14.5	463.3	73.8	77.4
DS_005	2025536191	6.10	7.62	1.52	194.7	302.2	30.2	99.7	15.6	1.5	11.8	1.4	7.5	1.2	3.3	0.5	2.7	0.4	36.4	709.0	129.9	138.8
DS_005	2025536192	7.62	9.14	1.52	109.2	189.2	20.5	73.7	13.6	1.4	9.0	0.9	4.6	0.7	1.8	0.2	1.3	0.2	20.7	447.0	94.3	99.8
DS_005	2025536193	9.14	10.67	1.52	258.0	433.6	45.2	147.5	21.7	1.7	15.6	1.9	8.7	1.1	2.5	0.2	1.0	0.1	34.2	973.1	192.7	203.4

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_005	2025536194	10.67	12.19	1.52	164.2	291.1	30.8	105.3	18.5	1.4	13.3	1.8	8.6	1.3	2.9	0.3	1.5	0.2	40.3	681.5	136.1	146.5
DS_005	2025536195	12.19	13.72	1.52	232.2	369.7	32.9	102.1	15.5	1.9	11.8	1.6	7.4	1.1	2.1	0.3	0.8	0.1	34.3	813.8	134.9	144.0
DS_005	2025536196	13.72	15.24	1.52	216.4	409.1	42.5	145.8	29.0	1.8	20.1	2.4	9.1	1.2	2.3	0.2	1.0	0.1	34.9	916.0	188.3	199.9
DS_005	2025536198	15.24	16.76	1.52	205.2	366.1	41.2	151.0	24.7	1.7	18.0	1.8	8.3	1.2	2.2	0.3	1.3	0.1	33.5	856.6	192.2	202.4
DS_005	2025536199	16.76	18.29	1.52	130.2	208.8	22.1	80.8	11.3	1.6	9.6	1.3	7.7	1.2	3.0	0.3	1.4	0.2	37.5	517.0	102.9	112.0
DS_005	2025536200	18.29	19.81	1.52	42.1	90.2	12.3	56.2	15.2	2.1	16.6	2.7	15.4	2.7	6.0	0.6	3.2	0.3	75.8	341.5	68.5	86.7
DS_005	2025536201	19.81	21.34	1.52	171.2	301.0	33.6	124.8	23.7	1.5	19.2	2.3	10.2	1.3	2.5	0.2	1.0	0.1	38.4	730.8	158.4	170.9
DS_005	2025536202	21.34	22.86	1.52	121.4	175.7	16.5	53.1	6.9	1.5	6.0	0.9	5.0	0.8	1.6	0.1	0.6	0.1	22.2	412.3	69.6	75.4
DS_005	2025536203	22.86	24.38	1.52	238.1	382.0	40.6	141.1	22.0	1.8	16.8	2.0	8.1	1.0	1.6	0.1	0.6	0.1	26.5	882.3	181.7	191.8
DS_005	2025536204	24.38	25.91	1.52	191.8	259.2	24.1	75.7	9.7	1.3	5.2	0.8	3.4	0.5	0.9	0.1	0.4	0.0	13.8	586.8	99.8	104.0
DS_005	2025536205	25.91	27.43	1.52	166.5	229.7	22.0	70.3	9.3	1.5	5.7	0.6	3.5	0.4	0.8	0.1	0.3	0.1	12.7	523.6	92.3	96.5
DS_005	2025536206	27.43	28.96	1.52	118.5	246.9	30.4	124.2	24.6	3.1	19.1	2.5	13.8	2.2	5.0	0.6	2.9	0.4	66.3	660.5	154.7	171.0
DS_005	2025536207	28.96	30.48	1.52	107.2	232.2	30.3	127.7	24.9	3.1	21.6	2.9	15.9	2.6	5.6	0.7	3.8	0.5	74.7	653.7	158.0	176.9
DS_005	2025536209	30.48	32.00	1.52	111.8	230.3	29.6	119.0	22.9	2.4	18.9	2.5	13.7	2.2	5.4	0.6	2.9	0.4	64.4	626.8	148.6	164.7
DS_005	2025536210	32.00	33.53	1.52	76.9	134.5	15.0	59.0	9.9	1.2	7.6	0.9	5.0	0.9	2.9	0.4	2.4	0.3	27.6	344.4	74.0	79.9
DS_005	2025536211	33.53	35.05	1.52	179.4	298.5	33.5	126.0	22.6	1.7	18.7	2.1	8.7	1.0	2.0	0.1	0.6	0.1	30.5	725.6	159.4	170.3
DS_005	2025536212	35.05	36.58	1.52	90.3	160.3	18.2	64.5	10.8	1.3	7.2	1.0	7.5	1.5	5.5	0.8	6.3	1.0	46.0	422.3	82.7	91.2
DS_005	2025536213	36.58	38.10	1.52	188.2	332.9	37.0	142.3	24.7	1.9	17.8	1.8	7.6	1.0	1.7	0.2	1.0	0.1	26.0	784.1	179.3	188.7
DS_005	2025536214	38.10	39.62	1.52	74.5	159.1	20.8	89.1	22.1	2.0	24.7	3.7	18.8	2.7	4.9	0.4	2.1	0.2	77.2	502.2	110.0	132.4
DS_005	2025536215	39.62	41.15	1.52	74.4	137.0	15.5	58.8	10.1	1.3	8.3	1.0	6.2	1.4	4.2	0.6	3.8	0.5	38.7	361.8	74.3	81.5
DS_005	2025536216	41.15	42.67	1.52	64.5	115.6	13.2	49.3	7.9	1.2	6.9	1.0	7.9	1.8	5.6	0.8	5.8	0.8	53.2	335.4	62.5	71.4
DS_005	2025536217	42.67	44.20	1.52	31.7	58.3	6.9	27.6	5.4	0.8	4.2	0.5	2.9	0.4	1.2	0.1	0.9	0.1	15.0	156.0	34.5	37.9
DS_005	2025536218	44.20	45.72	1.52	17.7	37.6	5.0	23.3	7.3	1.3	8.5	1.4	8.0	1.3	3.0	0.3	1.3	0.2	39.4	155.4	28.3	37.7
DS_005	2025536220	45.72	47.24	1.52	89.4	179.3	22.0	87.0	18.0	1.3	14.8	1.7	8.1	1.2	2.5	0.3	1.4	0.1	35.2	462.2	109.0	118.8

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_005	2025536221	47.24	48.77	1.52	38.4	70.9	8.1	29.3	5.4	1.1	4.1	0.7	4.0	0.9	2.6	0.4	2.5	0.4	25.7	194.4	37.4	42.1
DS_005	2025536222	48.77	50.29	1.52	48.9	89.8	10.5	39.2	7.1	1.2	5.0	0.6	3.1	0.5	1.5	0.2	1.3	0.2	15.9	225.0	49.7	53.4
DS_005	2025536223	50.29	51.82	1.52	53.6	98.8	11.4	42.7	7.5	1.3	5.7	0.8	4.5	0.8	2.2	0.3	1.5	0.2	24.6	255.9	54.1	59.4
DS_005	2025536224	51.82	53.34	1.52	41.4	88.6	11.4	50.9	12.2	1.7	11.4	1.6	9.3	1.6	3.9	0.4	2.5	0.3	45.3	282.6	62.2	73.2
DS_005	2025536225	53.34	54.86	1.52	130.2	227.3	24.9	90.6	15.0	1.6	12.0	1.7	9.0	1.4	3.3	0.3	2.0	0.3	43.2	562.9	115.5	126.2
DS_005	2025536226	54.86	56.39	1.52	49.0	108.3	14.6	67.1	14.1	2.1	12.7	1.6	9.4	1.6	4.2	0.4	2.8	0.3	45.7	334.1	81.7	92.7
DS_005	2025536227	56.39	57.91	1.52	40.6	68.3	7.3	26.9	4.4	1.3	4.2	0.6	4.3	0.9	2.9	0.4	2.3	0.4	26.7	191.5	34.3	39.1
DS_005	2025536228	57.91	59.44	1.52	115.2	205.1	23.1	86.8	12.4	1.7	8.6	0.9	5.5	1.0	2.8	0.4	2.6	0.5	27.7	494.3	109.9	116.3
DS_005	2025536229	59.44	60.96	1.52	104.5	192.9	21.1	74.1	12.0	1.6	9.8	1.7	14.9	3.7	14.5	2.5	19.6	2.9	111.1	586.8	95.2	111.8
DS_005	2025536231	60.96	62.48	1.52	8.6	14.6	1.6	5.8	1.4	1.2	1.1	0.2	1.2	0.3	0.6	0.1	0.7	0.1	6.9	44.2	7.4	8.7
DS_005	2025536232	62.48	64.01	1.52	42.8	79.8	9.4	33.7	5.9	1.6	4.8	0.6	2.7	0.5	1.0	0.1	0.5	0.1	13.5	197.0	43.1	46.4
DS_005	2025536233	64.01	65.53	1.52	55.8	114.7	14.7	60.3	14.6	1.6	16.7	2.7	15.8	2.6	5.9	0.6	3.2	0.4	74.7	384.3	75.0	93.6
DS_005	2025536234	65.53	67.06	1.52	110.6	230.9	26.8	104.7	20.1	1.8	17.1	2.2	11.1	1.7	3.9	0.4	2.0	0.2	51.3	585.0	131.6	144.9
DS_005	2025536235	67.06	68.58	1.52	43.3	96.7	12.4	54.1	14.9	1.7	17.8	3.1	18.5	3.0	6.6	0.7	3.8	0.4	88.4	365.3	66.5	88.1
DS_005	2025536236	68.58	70.10	1.52	52.1	102.3	11.7	43.2	7.6	1.6	6.6	1.0	6.5	1.3	4.2	0.6	4.3	0.7	40.5	284.2	54.9	62.3
DS_005	2025536237	70.10	71.63	1.52	75.9	159.7	17.9	67.5	12.9	2.0	10.2	1.4	7.2	1.1	3.0	0.3	2.2	0.3	35.7	397.3	85.4	94.0
DS_005	2025536238	71.63	73.15	1.52	51.0	103.4	12.1	46.1	8.8	1.3	7.1	1.1	6.1	1.1	3.3	0.4	2.9	0.4	34.8	279.9	58.1	65.3
DS_005	2025536239	73.15	74.68	1.52	57.2	107.0	12.2	45.1	7.5	1.4	6.1	1.0	6.7	1.3	3.6	0.5	3.6	0.5	35.8	289.4	57.3	65.0
DS_005	2025536240	74.68	76.20	1.52	58.3	119.3	13.6	53.2	9.4	1.5	8.3	1.1	6.1	1.0	2.6	0.3	2.0	0.3	27.7	304.5	66.8	74.0
DS_005	2025536242	76.20	77.72	1.52	110.1	239.5	28.9	111.2	20.9	1.7	16.1	1.9	8.9	1.3	3.1	0.3	2.5	0.3	39.4	586.1	140.0	150.9
DS_005	2025536243	77.72	79.25	1.52	159.5	320.6	37.0	139.4	24.6	1.7	19.6	2.1	8.6	0.9	1.7	0.2	1.1	0.1	27.9	745.0	176.4	187.1
DS_005	2025536244	79.25	80.77	1.52	48.8	90.9	10.2	35.8	6.0	1.5	4.8	0.8	5.8	1.3	5.2	0.8	6.2	0.9	39.9	258.8	46.0	52.5
DS_005	2025536245	80.77	82.30	1.52	48.1	91.4	10.2	37.3	6.3	1.6	4.9	0.6	4.1	0.7	2.2	0.3	2.2	0.3	25.0	235.4	47.5	52.3
DS_005	2025536246	82.30	83.82	1.52	29.0	60.4	7.3	27.6	5.3	0.9	4.4	0.7	4.5	0.8	2.5	0.3	2.6	0.3	25.7	172.3	35.0	40.1

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_005	2025536247	83.82	85.34	1.52	36.8	64.2	6.9	25.9	4.0	1.3	3.4	0.5	3.1	0.6	2.1	0.3	2.3	0.3	20.6	172.3	32.8	36.4
DS_005	2025536248	85.34	86.87	1.52	86.6	178.7	20.2	73.8	13.9	1.3	10.9	1.7	13.1	3.1	11.0	1.8	13.3	1.8	91.4	522.6	94.1	108.9
DS_005	2025536249	86.87	88.39	1.52	62.9	119.9	13.4	49.1	9.4	1.1	7.4	1.3	8.7	2.0	6.7	1.0	7.6	1.0	58.5	350.0	62.5	72.5
DS_005	2025536250	88.39	89.92	1.52	92.7	176.9	19.9	74.8	12.2	1.3	9.0	1.0	4.2	0.7	1.6	0.2	1.0	0.1	18.8	414.3	94.7	99.9
DS_005	2025536251	89.92	91.44	1.52	67.1	134.5	15.4	59.1	10.3	1.3	7.7	1.0	5.3	0.9	1.9	0.3	1.6	0.2	22.6	329.1	74.5	80.9
DS_005	2025536253	91.44	92.96	1.52	60.0	124.7	14.1	52.6	10.5	1.2	7.7	1.0	5.7	0.8	2.2	0.2	1.3	0.1	26.2	308.4	66.7	73.4
DS_005	2025536254	92.96	94.49	1.52	98.9	192.2	21.9	80.6	14.1	1.4	10.0	1.2	5.5	0.8	2.4	0.3	2.4	0.3	24.4	456.3	102.5	109.1
DS_005	2025536255	94.49	96.01	1.52	81.4	164.0	18.5	68.7	11.9	1.1	9.0	1.2	6.3	1.3	3.4	0.4	3.5	0.5	37.7	409.1	87.2	94.8
DS_005	2025536256	96.01	97.54	1.52	43.5	84.6	9.4	34.3	5.0	1.1	4.0	0.6	3.7	0.6	1.9	0.3	1.7	0.2	20.7	211.7	43.7	48.1
DS_005	2025536257	97.54	99.06	1.52	48.2	94.6	10.9	40.8	6.7	1.1	4.7	0.7	4.0	0.7	2.0	0.3	1.9	0.3	21.7	238.6	51.8	56.4
DS_005	2025536258	99.06	100.58	1.52	48.3	95.3	10.5	38.0	6.9	1.2	4.7	0.7	3.6	0.5	1.5	0.2	0.9	0.1	17.3	229.5	48.5	52.8
DS_005	2025536259	100.58	102.11	1.52	38.0	71.5	8.2	28.5	5.4	1.3	4.6	0.8	4.2	0.7	1.4	0.1	0.8	0.1	19.6	185.0	36.6	41.6
DS_005	2025536260	102.11	103.63	1.52	45.0	91.0	10.5	40.2	6.8	1.1	5.6	0.7	4.3	0.6	1.4	0.2	0.8	0.1	19.0	227.5	50.8	55.8
DS_005	2025536261	103.63	105.16	1.52	56.3	100.2	11.2	41.6	6.8	1.3	5.6	0.6	3.6	0.6	1.3	0.1	0.9	0.1	17.7	248.0	52.9	57.2
DS_005	2025536262	105.16	106.68	1.52	24.3	48.6	5.8	23.2	5.3	1.2	5.9	0.9	5.1	0.7	1.4	0.1	0.8	0.1	21.7	145.1	29.0	35.0
DS_005	2025536264	106.68	108.20	1.52	38.1	76.5	8.7	32.2	6.4	1.3	6.6	1.0	5.4	0.8	1.5	0.1	0.8	0.1	22.5	202.1	40.9	47.3
DS_005	2025536265	108.20	109.73	1.52	40.0	81.6	9.2	31.5	5.4	1.3	4.2	0.6	3.5	0.6	1.3	0.1	0.8	0.1	14.7	194.8	40.7	44.9
DS_005	2025536266	109.73	111.25	1.52	45.2	90.9	10.5	39.8	6.5	1.3	5.2	0.8	4.3	0.6	1.1	0.1	0.6	0.1	18.3	225.3	50.2	55.3
DS_005	2025536267	111.25	112.78	1.52	40.3	80.3	8.6	33.5	6.4	1.3	4.1	0.7	3.9	0.5	1.6	0.2	1.1	0.1	18.9	201.5	42.1	46.7
DS_005	2025536268	112.78	114.30	1.52	50.9	99.3	11.0	42.2	6.6	1.1	4.9	0.7	4.2	0.7	1.9	0.3	1.6	0.2	20.4	245.9	53.2	58.1
DS_005	2025536269	114.30	115.82	1.52	44.1	88.0	9.7	34.3	5.3	1.3	4.3	0.6	3.2	0.5	1.2	0.1	0.7	0.1	15.7	209.2	43.9	47.7
DS_005	2025536270	115.82	117.35	1.52	41.4	83.5	9.5	36.0	6.4	1.3	5.4	0.8	4.2	0.7	1.3	0.1	0.8	0.1	18.4	210.0	45.5	50.5
DS_005	2025536271	117.35	118.87	1.52	51.3	102.0	11.5	42.7	7.7	1.2	6.7	0.9	4.9	0.8	2.0	0.3	1.4	0.2	23.1	256.7	54.2	60.0
DS_005	2025536272	118.87	120.40	1.52	56.2	112.2	12.4	45.7	7.7	1.4	6.1	0.9	4.8	1.0	3.1	0.5	2.6	0.4	30.7	285.6	58.1	63.8

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_005	2025536273	120.40	121.92	1.52	85.1	169.5	18.4	69.1	10.7	1.7	8.8	1.2	6.6	1.4	3.9	0.5	3.6	0.5	38.7	419.6	87.4	95.3
DS_006	2025536275	0.00	1.52	1.52	16.5	34.6	3.9	15.0	2.7	0.5	2.4	0.4	2.3	0.5	1.6	0.3	1.4	0.3	16.5	99.0	18.9	21.7
DS_006	2025536276	1.52	3.05	1.52	15.3	32.3	3.9	13.9	2.9	0.5	2.2	0.3	2.0	0.4	1.1	0.2	1.2	0.2	13.0	89.4	17.8	20.2
DS_006	2025536277	3.05	4.57	1.52	21.5	46.1	5.3	19.7	3.8	0.7	2.7	0.5	2.8	0.6	1.4	0.2	1.4	0.2	16.8	123.7	25.0	28.2
DS_006	2025536278	4.57	6.10	1.52	23.0	49.0	5.3	19.7	3.5	0.8	3.1	0.4	2.8	0.6	1.5	0.2	1.4	0.2	16.9	128.3	25.0	28.2
DS_006	2025536279	6.10	7.62	1.52	39.5	86.8	9.3	34.9	6.2	1.0	4.7	0.7	3.6	0.8	2.2	0.3	2.2	0.3	23.4	215.8	44.2	48.5
DS_006	2025536280	7.62	9.14	1.52	35.2	75.2	8.2	30.0	5.6	1.0	4.2	0.6	3.6	0.7	2.1	0.3	1.9	0.3	23.1	192.0	38.2	42.4
DS_006	2025536281	9.14	10.67	1.52	53.7	118.0	13.5	48.9	8.7	1.1	6.4	1.0	5.3	1.0	3.1	0.5	3.2	0.4	34.3	299.1	62.3	68.6
DS_006	2025536282	10.67	12.19	1.52	104.0	228.5	24.3	89.1	13.8	1.5	7.9	0.8	3.9	0.6	1.3	0.2	1.0	0.1	17.8	494.8	113.4	118.1
DS_006	2025536283	12.19	13.72	1.52	377.6	868.5	91.3	340.6	54.7	11.1	33.7	3.7	14.8	2.2	4.5	0.5	3.5	0.5	68.7	1,875.8	431.9	450.4
DS_006	2025536284	13.72	15.24	1.52	561.8	1,182.9	124.4	460.7	70.2	15.8	41.3	4.0	15.9	2.1	4.0	0.5	2.3	0.3	66.9	2,553.2	585.2	605.1
DS_006	2025536286	15.24	16.76	1.52	361.2	824.3	87.5	334.8	52.2	12.3	31.1	3.3	12.7	1.9	4.0	0.5	2.4	0.3	63.4	1,791.7	422.2	438.2
DS_006	2025536287	16.76	18.29	1.52	334.2	764.1	83.1	317.3	49.5	11.0	30.2	3.0	11.5	1.7	3.9	0.4	2.2	0.3	56.4	1,668.8	400.4	414.8
DS_006	2025536288	18.29	19.81	1.52	287.3	641.2	68.1	263.6	44.5	7.7	29.0	2.8	11.5	1.8	4.0	0.5	3.1	0.4	52.3	1,418.2	331.7	346.1
DS_006	2025536289	19.81	21.34	1.52	214.0	448.4	50.4	187.8	31.5	6.5	19.8	2.0	8.4	1.4	3.2	0.4	2.6	0.4	40.0	1,016.8	238.2	248.5
DS_006	2025536290	21.34	22.86	1.52	502.0	1,122.8	119.4	440.9	69.1	15.2	39.3	4.0	15.6	2.3	4.4	0.5	2.7	0.3	69.6	2,408.0	560.3	579.8
DS_006	2025536291	22.86	24.38	1.52	33.1	65.5	7.7	27.8	5.7	1.3	5.2	0.8	5.1	1.1	3.2	0.5	3.2	0.4	33.1	193.6	35.5	41.4
DS_006	2025536292	24.38	25.91	1.52	526.6	1,168.2	124.4	468.9	73.6	16.1	44.1	4.3	16.7	2.5	4.6	0.6	3.2	0.4	73.3	2,527.5	593.3	614.3
DS_006	2025536293	25.91	27.43	1.52	15.0	30.0	3.6	15.5	3.8	1.3	4.5	0.8	4.5	1.0	2.8	0.4	2.6	0.4	30.1	116.3	19.0	24.3
DS_006	2025536294	27.43	28.96	1.52	48.9	116.8	14.2	59.1	12.9	2.4	11.3	1.7	8.7	1.5	3.4	0.4	2.5	0.3	43.0	327.2	73.3	83.7
DS_006	2025536295	28.96	30.48	1.52	34.2	68.2	7.1	27.6	6.1	1.6	4.7	0.6	3.2	0.5	1.4	0.1	0.8	0.1	15.7	172.2	34.8	38.6
DS_006	2025536297	30.48	32.00	1.52	69.8	137.0	13.9	48.5	8.3	1.8	4.8	0.5	2.2	0.3	0.6	0.1	0.4	0.1	9.7	297.9	62.4	65.1
DS_006	2025536298	32.00	33.53	1.52	190.0	396.8	42.6	155.1	26.2	2.8	17.3	1.8	8.0	1.2	2.2	0.3	1.6	0.2	31.1	877.4	197.8	207.6
DS_006	2025536299	33.53	35.05	1.52	41.9	87.3	9.1	31.0	5.3	1.8	3.7	0.5	2.2	0.3	0.8	0.1	0.5	0.1	10.7	195.1	40.1	42.8

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Hole ID	Sample ID	From (m)	To (m)	Length (m)	La_2O_3 (ppm)	CeO_2 (ppm)	Pr_6O_{11} (ppm)	Nd_2O_3 (ppm)	Sm_2O_3 (ppm)	Eu_2O_3 (ppm)	Gd_2O_3 (ppm)	Tb_4O_7 (ppm)	Dy_2O_3 (ppm)	Ho_2O_3 (ppm)	Er_2O_3 (ppm)	Tm_2O_3 (ppm)	Yb_2O_3 (ppm)	Lu_2O_3 (ppm)	Y_2O_3 (ppm)	TREO (ppm)	NdPr (ppm)	MREO (ppm)
DS_006	2025536300	35.05	36.58	1.52	93.9	203.9	21.9	83.6	14.2	3.2	10.1	1.2	5.7	0.9	1.9	0.3	1.5	0.2	26.7	469.2	105.6	112.4
DS_006	2025536301	36.58	38.10	1.52	110.0	256.7	29.7	111.0	24.6	5.2	20.7	2.8	13.6	2.3	5.3	0.6	3.4	0.4	68.4	654.9	140.8	157.2
DS_006	2025536302	38.10	39.62	1.52	317.8	703.9	72.7	275.3	43.6	9.5	26.3	3.0	12.7	2.0	4.5	0.5	3.1	0.4	64.5	1,539.8	348.0	363.7
DS_006	2025536303	39.62	41.15	1.52	626.3	1,296.0	135.9	500.4	74.4	16.7	44.1	4.7	19.7	3.1	6.7	0.9	5.2	0.7	93.5	2,828.1	636.3	660.7
DS_006	2025536304	41.15	42.67	1.52	86.0	168.3	18.5	70.5	12.1	2.7	8.7	1.1	5.4	0.9	2.1	0.2	1.3	0.2	26.9	404.9	89.0	95.5
DS_006	2025536305	42.67	44.20	1.52	57.2	101.6	11.1	40.4	6.6	1.6	4.8	0.5	2.2	0.3	0.6	0.1	0.4	0.1	10.0	237.5	51.4	54.1
DS_006	2025536306	44.20	45.72	1.52	42.9	83.8	9.8	37.2	7.6	1.5	7.9	1.0	5.1	0.8	1.4	0.2	0.8	0.1	22.4	222.4	47.0	53.1
DS_006	2025536308	45.72	47.24	1.52	217.6	434.9	49.7	192.5	31.4	1.9	23.6	2.4	10.2	1.5	3.2	0.3	2.0	0.3	44.2	1,015.7	242.1	254.8
DS_006	2025536309	47.24	48.77	1.52	54.3	118.2	15.0	61.4	10.7	1.4	10.4	1.3	7.2	1.3	3.2	0.4	2.6	0.4	40.4	328.2	76.4	84.9
DS_006	2025536310	48.77	50.29	1.52	43.3	99.3	12.1	53.0	9.6	1.5	9.2	1.2	6.6	1.3	3.5	0.4	2.7	0.4	39.4	283.2	65.1	72.8
DS_006	2025536311	50.29	51.82	1.52	21.4	52.6	6.7	28.3	6.2	1.1	6.7	1.0	5.8	1.2	3.2	0.5	3.0	0.4	34.3	172.3	35.0	41.8
DS_006	2025536312	51.82	53.34	1.52	17.4	45.1	5.8	24.7	6.3	0.8	5.8	1.0	5.2	1.0	3.1	0.4	2.7	0.3	33.0	152.7	30.5	36.7
DS_006	2025536313	53.34	54.86	1.52	15.7	36.5	4.6	18.8	4.1	0.8	4.3	0.7	3.7	0.8	2.2	0.3	2.1	0.3	24.8	119.6	23.3	27.7
DS_006	2025536314	54.86	56.39	1.52	7.1	16.0	2.2	9.2	2.6	0.8	3.5	0.5	3.2	0.8	2.0	0.3	2.0	0.3	22.1	72.3	11.3	15.0
DS_006	2025536315	56.39	57.91	1.52	8.5	19.5	2.5	10.3	2.6	0.7	3.5	0.5	3.0	0.6	2.0	0.3	2.0	0.2	20.1	76.3	12.8	16.3
DS_006	2025536316	57.91	59.44	1.52	31.7	68.7	8.3	35.0	7.9	1.1	8.0	1.1	5.7	1.0	2.9	0.4	2.0	0.3	31.2	205.1	43.3	50.1
DS_006	2025536317	59.44	60.96	1.52	38.4	81.7	10.1	43.4	10.0	1.3	9.3	1.2	6.7	1.2	3.1	0.4	2.2	0.3	34.7	244.0	53.5	61.5

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Appendix 4: JORC Table 1

JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data
(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.*	• Reverse Circulation (RC) drilling was undertaken. • RC drill chip samples were collected at 5-foot (1.52 m) intervals from surface to the end of each drill hole. • Drill cuttings were transported to the surface through the RC drill string using compressed air and recovered through a cyclone sampling system. • Samples collected from the cyclone were subsequently split using a riffle splitter to obtain subsamples for laboratory analysis. Approximately 2 kg of sample material was collected in pre-labelled calico bags for laboratory submission. • Representative portions of RC drill chips from each sampling interval were collected and placed in labelled RC chip trays, containing both unwashed and washed samples, for geological logging and future reference.
Drilling techniques	• *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	• The contractor, Midnight Sun Drilling used a Grasshopper track-mounted RC drill rig, supported by a skid-steer unit. Drilling was conducted using a nominal 5-inch (127 mm) diameter drill bit.
Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.*	• Reverse Circulation (RC) drilling was undertaken using a Grasshopper track-mounted drill rig equipped with a nominal 5-inch (127 mm) diameter drill bit. Drill cuttings were transported to the surface using compressed air and recovered through a cyclone sampling system. • RC drill chip samples were collected at regular 5-foot (1.52 m) intervals from surface to the end of each drill hole. Drilling was stopped at the completion of each sampling interval to allow all remaining drill cuttings to be blown through the drill string and collected in the cyclone, minimising sample loss and potential cross-contamination between successive interval. • The drilling contractor actively monitored drilling conditions and implemented measures to optimise sample recovery and quality. Where groundwater was

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		encountered, drill holes were blown dry using high-pressure compressed air to minimise moisture-related sample losses. Hammer-shroud clearance, air pressure and potential loss of fine material were monitored throughout drilling to maintain consistent sample recovery and minimise sampling bias. • Recovered RC samples were collected through the cyclone and subsequently split using a riffle splitter. Approximately 2 kg of sample material was collected in pre-labelled calico bags for laboratory analysis, while the remaining material was retained as bulk reject. Representative portions of drill chips from each sampling interval were retained in labelled RC chip trays as both washed and unwashed samples for geological logging and future reference. • No relationship between sample recovery and assay grade has been identified. Field duplicate sample precision is monitored on an ongoing basis to assess sampling variability and representivity. The Competent Person considers that no material sampling bias has arisen from the preferential loss or gain of fine or coarse material during drilling and sample collection.
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	• All Reverse Circulation (RC) drill holes were geologically logged at regular 5-foot (1.52 m) intervals from surface to the end of each hole. • Geological logging was undertaken systematically using standardised logging sheets and consistent geological descriptions. Recorded parameters included lithology, colour, texture, weathering and other observable geological characteristics. Logging was conducted at 5-foot intervals, with geological domains identified and delineated based on observed changes in lithology and geological characteristics. • Representative RC drill chips from each sampling interval were retained in labelled chip trays containing both washed and unwashed material. All chip trays were photographed to provide a permanent visual record of the recovered material and to support geological interpretation and verification.
Sub-sampling techniques and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken.* • *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* • *For all sample types, the nature, quality and appropriateness of the sample preparation technique.*	• RC samples were collected from the cyclone and split using a riffle splitter to obtain subsamples for laboratory analysis. Approximately 2 kg of sample material was collected in pre-labelled calico bags for laboratory submission. Samples received at ALS averaged 2 kg. • Field duplicates were collected at the rig

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	• *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* • *Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.* • *Whether sample sizes are appropriate to the grain size of the material being sampled.*	and inserted into the sample stream (23 duplicates, about 1 in 24 samples). The Competent Person assessed field duplicate precision and considers it acceptable for the stage of exploration. • Crush duplicates and pulp duplicates were inserted into the sample stream and taken by ALS after the crushing and pulverising stages. All returned results within acceptance limits. • RC chips were prepared at ALS Reno using method PREP-31Y: crush to 70% passing 2 mm, rotary split of 250 g, and pulverise to 85% passing 75 µm. • Sample sizes are considered appropriate for the fine- to medium-grained REE minerals (apatite, monazite and allanite) and for first-pass exploration.
Quality of assay data and laboratory tests	• *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* • *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.* • *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.*	• REEs were analysed using MS89L-REE (ICP-MS multi-element package). Certified REE standard reference material, blanks, and duplicates were inserted into sample stream. ALS laboratories are accredited to ISO/IEC 17025:2017. • Samples were analysed at ALS Vancouver. REE and multi-elements were analysed by ME-MS89L (sodium peroxide fusion ICP-MS finish). Phosphorus was analysed by four-acid digestion with ICP-AES finish (ME-ICP61). Certified reference materials (OREAS 466 and OREAS 461), blanks and duplicates were inserted at 9.1% of all samples (56 of 618). • The 14 blanks returned 2.5-8.8 ppm TREE. OREAS 461 returned 95-101% of certified TREE. OREAS 466 returned 66-83% of certified TREE in all 10 insertions, below the accepted range. • ALS repeated 50 pulps from DS_001, DS_002 and DS_006 by ME-MS89L. The repeats averaged about 3% higher than the original results for TREO, with 45 of 50 pairs within ±10%. ALS reference material SY-5, analysed with the repeats, returned 97-104% of certified TREE. • ALS also analysed the same 50 pulps by lithium borate fusion with ICP-MS finish (ME-MS81). ME-MS81 returned 17% more TREO in total than the original ME-MS89L results (0-35% by sample) and 25% more NdPr. The difference is largest in gneiss and granite (16-19%) and small in amphibolite (6%). No shonkinite samples were included in the check. Nb, Ta and Ti agree between the two methods. • The Competent Person considers the ME-MS89L results precise but biased low for REE, mainly in gneiss and granite, and therefore conservative. The results are

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		considered suitable for reporting exploration results. NdPr:TREO ratios may also be slightly understated.
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• Grades are reported from the original ALS certificates RE26248477, RE26248478, RE26248483, RE26248491, RE26248496 and RE26248499. No adjustments have been made to the assay data. • Intercepts were calculated by the Competent Person from the ALS certificates and checked independently using spreadsheet formulas. • No holes were twinned. • Values below the detection limit were set at half the detection limit values. • Data are stored in an Excel drill hole database and verified by Competent Person. • No adjustment was made to the assay data. REE analyses were originally reported in elemental form and were subsequently converted to relevant oxide concentrations, as per industry standard conversions: La:1.1728, Ce:1.2284, Pr:1.2082, Nd:1.1664, Sm:1.1596, Eu:1.1579, Gd:1.1526, Tb:1.1762, Dy:1.1477, Ho:1.1455, Er:1.1435, Tm:1.1421, Yb:1.1387, Lu:1.1371, and Y:1.2699. • Abbreviations used throughout this report in accordance with IUPAC guidelines or common are as follows: • **TREO** (Total Rare Earth Oxide) $La_2O_3+CeO_2+Pr_6O_{11}+Nd_2O_3+Sm_2O_3+Eu_2O_3+Gd_2O_3+Tb_4O_7+Dy_2O_3+Ho_2O_3+Er_2O_3+Tm_2O_3+Yb_2O_3+Lu_2O_3+Y_2O_3$ • **NdPr** (Neodymium-Praseodymium mixed oxide) $Nd_2O_3+Pr_6O_{11}$ • **MREO** (Magnet Rare Earth Oxide) $Nd_2O_3+Pr_6O_{11}+Tb_4O_7+Dy_2O_3$ • **NdPr Ratio** (%) NdPr/TREO × 100
Location of data points	• *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• Sample sites were located by handheld GPS (±5 m accuracy) and plotted in NAD83/UTM Zone 11N. • RL is derived from USGS digital elevation model (DEM), dataset "USGS_1M_11_x63y394_CA_MountainPass_2019_D19" with 1 m resolution. • Downhole surveys used a SlimGyro multishot tool at 20 ft (6.1 m) stations.
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.* • *Whether sample compositing has been applied.*	• Six holes were drilled at four locations. • The data spacing and distribution are considered to be insufficient to establish the degree of geological and grade continuity. • Sample compositing has not been applied. • Intercepts are aggregated as described in Section 2 withing criteria "Data aggregation methods".

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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.* • *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 orientation of the the REE bearing zones is not yet known. True widths are not known and the effect of hole orientation on intercept widths cannot be assessed.
Sample security	• *The measures taken to ensure sample security.*	• Samples were collected by company geologists, sealed in bags, and delivered directly to ALS Reno. Chain of custody was maintained.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• The Competent Person reviewed the QAQC data in October and November 2026, including the ALS repeat analyses and the lithium borate fusion check. No external audit has been completed.

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Section 2 Reporting of Exploration Results
(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	• The Desert Star Project comprises 77 unpatented federal lode mining claims (approximately 6.29 km²) recorded with the Bureau of Land Management (BLM) in San Bernardino County, California. The claims are 100% owned by Bayan Mining and Minerals Ltd through its US subsidiary BMM Nevada LLC. • Five additional claims were staked in April 2026 and filed with the BLM. • Annual BLM maintenance fees have been paid and all claims are in good standing. • Drilling was carried out under a BLM Plan of Operations approved in November 2025.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• Previous work includes USGS airborne radiometric surveys (2018), district and regional scale magnetic and gravity survey, and regional geological mapping. No prior REE-focused sampling is recorded within the current claim block.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The Desert Star Project is hosted within a Paleoproterozoic metamorphic and igneous basement uplift bounded by major normal faults. The target mineralisation is rare earth element (REE) hosted in Mesoproterozoic carbonatite and associated ultrapotassic intrusives (shonkinite, syenite, granite), analogous to Mountain Pass. Alteration assemblages and geochemical associations suggest a magmatic to hydrothermal REE system with associated barite, fluorite, and calcite.

Drill hole Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:*
	  ○ *easting and northing of the drill hole collar*
	  ○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*
	  ○ *dip and azimuth of the hole*
	  ○ *down hole length and interception depth*
	  ○ *hole length.*
	• *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*
		• Collar details for all six holes are in Appendix 1. All significant intercepts are in Appendix 2. All downhole assay results are in Appendix 3.
		• No holes have been excluded.

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Criteria	JORC Code explanation	Commentary
Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	• Intercepts are length-weighted averages of 1.52 m samples, using a 1,000 ppm TREO lower cut-off. Intervals start and end on samples above 1,000 ppm TREO and contain no more than 3.0 m of consecutive material below 1,000 ppm. Included intervals use 2,000 ppm TREO, or 3,000 ppm where the broader interval exceeds 2,000 ppm. • No top cut is applied. • NdPr:TREO is the length-weighted NdPr divided by the length-weighted TREO. • No metal equivalents are reported.
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	• All widths are downhole. The geometry of the mineralisation is not known and true widths are not known.
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	• A location map, a drill hole plan and cross-sections are included in the body of this announcement (Figures 1 to 5). • All significant intercepts are in Appendix 2 and full list of all downhole assay results are in Appendix 3.
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.*	• The announcement is believed to include all representative and relevant information and is believed to be comprehensive. • All significant results reported, including low- and high-grade values. • All intercepts above the reporting cut-off are listed, including single samples, and the hole with no significant intercept is identified. Grades are reported as received from ALS. The laboratory check described in Section 1 indicates that reported REE grades in gneiss and granite may be understated.
Other substantive exploration data	• *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	• Surface sampling, airborne and ground geophysical surveys and the 3D geophysical interpretation used to define the drill targets have been reported previously (ASX announcements 1 September 2025, 5 September 2025, 3 November 2025, 26 November 2025, 21 January 2026, 4 June 2026 and 27 July 2026).

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Criteria	JORC Code explanation	Commentary
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Re-assay of selected mineralised intervals by lithium borate fusion (ME-MS81) • Reassess the geological model for Desert Star using the drill hole geology and geochemistry. This includes the controls on the two REE styles identified, the shonkinite dykes and the REE-bearing zones in gneiss and potassic granite. • Update the 3D geophysical model with the drill hole lithology to refine targets at depth.

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