

MINERAL RESOURCE TARGET AREA EXPANDED

Highlights

- **Exceptional grade assay results received from drill hole SOR-08A**
- **Confirms high-grades extend for more than 1.25km east-southeast of discovery hole AV-01**
- **Assay highlights from drill hole SOR-08A include:**
 - **2.7m¹ at 10.75% TiO₂², 3.82% ZrO₂, 815ppm HfO₂, 0.784% TREO³ (0.205% MREO⁴) from 209.7m,**
 - **including 2.1m at 12.59% TiO₂, 4.55% ZrO₂, 969ppm HfO₂, 0.925% TREO (0.242% MREO) from 210.0m,**
 - **including 1.2m at 17.16% TiO₂, 6.55% ZrO₂, 1,401ppm HfO₂, 1.324% TREO (0.347% MREO) from 210.0m**
- **Indicative heavy mineral grades⁵ of:**
 - **2.7m at 0.7% monazite, 5.7% zircon, 9.0% rutile and 3.4% ilmenite from 209.7m,**
 - **including 2.1m at 0.8% monazite, 6.8% zircon, 10.5% rutile and 4.0% ilmenite from 210.0m,**
 - **including 1.2m at 1.2% monazite, 9.7% zircon, 14.3% rutile and 5.4% ilmenite from 210.0m**
- **Drill hole SOR-07A, located ~1.34km west-southwest of SOR-08A also intersects prospective Pochico Formation quartzites and confirms the wider potential of the Southern Block**
- **Drill hole assay results from Southern Block anticipated to have material impact on Mineral Resource Estimate and Scoping Study metrics.**

Osmond Resources Limited (ASX: **OSM**) (**Osmond** or **the Company**) is pleased to announce positive drilling assay results from the Orión EU Critical Mineral Project (**Orión** or **the Project**) located in Jaén Province, Andalucía, Southern Spain (Figure 1). Orión is the flagship project for the Company in its aspirations to become the EU's first producer of monazite (**rare earths**), zircon (**zirconium / hafnium**) and **titanium** minerals.

Orión EU Critical Minerals Project

The Project is located in Jaén Province, Andalucía, Southern Spain (refer to location map below) and includes 772 Spanish mining units (cuadrículas mineras) covering an area of 232 km². It is a siliciclastic geological system, hosted by quartzites of the Pochico Formation, with various layers rich in heavy minerals, principally monazite (**rare earth elements**), zircon (**zirconium** and **hafnium**) and rutile-ilmenite (**titanium**). Heavy mineral concentrations up to 30% have been recorded at the Project. The Pochico Formation has been sampled extensively and drilled at multiple locations throughout the Project.

¹ True thickness is estimated to be near 100% of downhole thickness.

² Primary cut-off: 3% TiO₂, max. 0.9m internal dilution; Secondary cut-off: 5% TiO₂, max. 0.6m internal dilution; Ternary cut-off: 8% TiO₂, max. 0.3m internal dilution.

³ TREO (Total Rare Earth Oxides): La₂O₃, CeO₂, Pr₆O₁₁, Nd₂O₃, Sm₂O₃, Eu₂O₃, Gd₂O₃, Tb₄O₇, Dy₂O₃, Ho₂O₃, Er₂O₃, Tm₂O₃, Yb₂O₃, Lu₂O₃, Y₂O₃.

⁴ MREO (Magnetic Rare Earth Oxides): Pr₆O₁₁, Nd₂O₃, Sm₂O₃, Tb₄O₇, Dy₂O₃.

⁵ Indicative rutile, ilmenite, zircon and monazite grades estimated from mass balance calculations. Refer to Appendix B for summary. Detailed quantitative mineralogical studies are ongoing.

The map below shows the four Project permits and highlights the high-grade target zone referred to as Zone 1, covering an area of 11.47km².

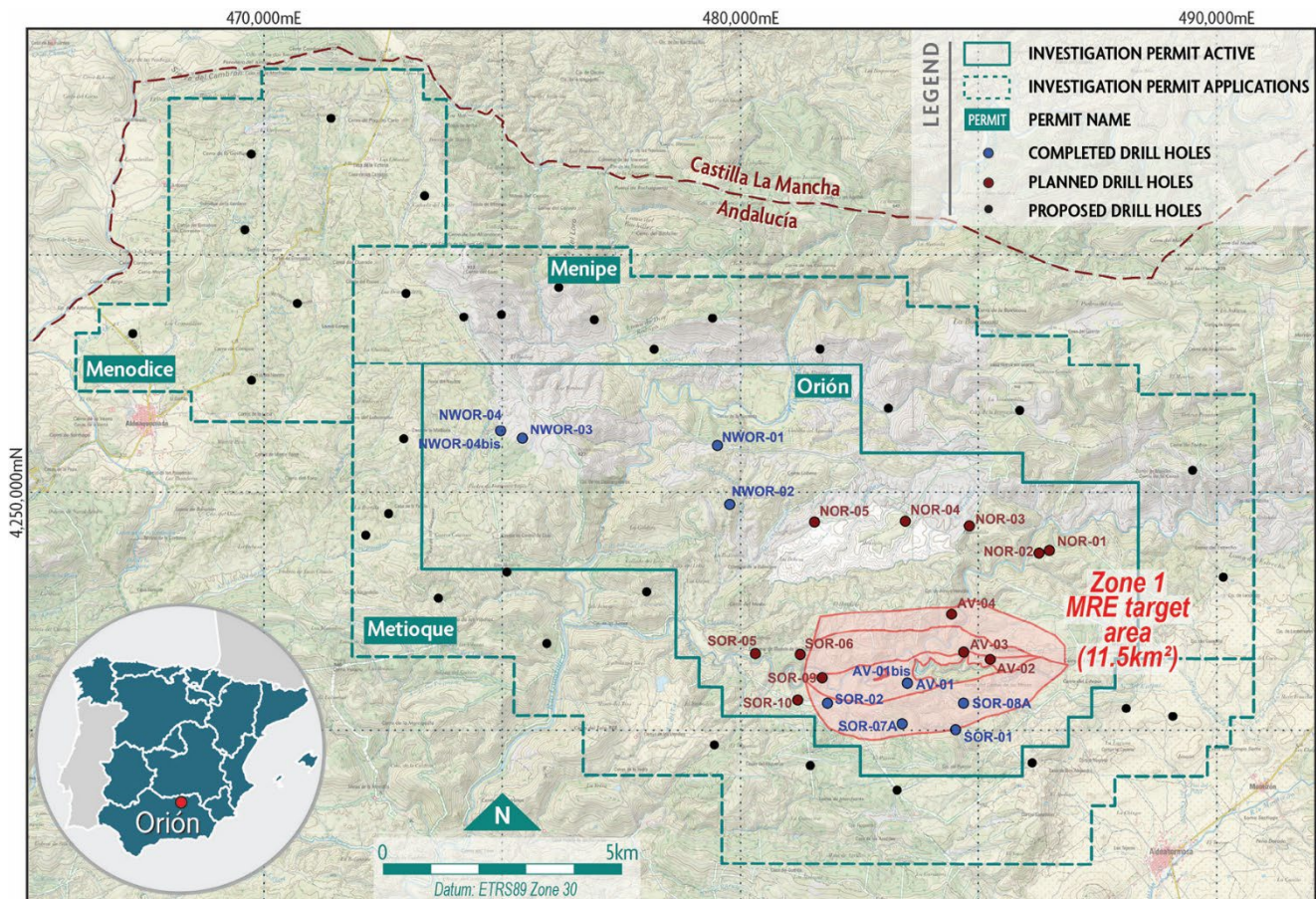


Figure 1 – Map showing location of drill holes at the Orión EU Critical Minerals Project.

Drill hole SOR-08A assays

Drill hole SOR-08A intersected the prospective heavy mineral-rich quartzite seam at 208.5m (Figures 2, 3 and 4; Appendix A, B, C and E). Assays highlights include⁶:

- 2.7m at 10.75% TiO₂, 3.82% ZrO₂, 815ppm HfO₂, 0.784% TREO (0.205% MREO) from 209.7m,
 - including 2.1m at 12.59% TiO₂, 4.55% ZrO₂, 969ppm HfO₂, 0.925% TREO (0.242% MREO) from 210.0m,
 - including 1.2m at 17.16% TiO₂, 6.55% ZrO₂, 1,401ppm HfO₂, 1.324% TREO (0.347% MREO) from 210.0m.

On this basis, indicative heavy mineral grades include:

- 2.7m at 0.7% monazite, 5.7% zircon, 9.0% rutile and 3.4% ilmenite from 209.7m,
 - including 2.1m at 0.8% monazite, 6.8% zircon, 10.5% rutile and 4.0% ilmenite from 210.0m,
 - including 1.2m at 1.2% monazite, 9.7% zircon, 14.3% rutile and 5.4% ilmenite from 210.0m.

The drilling results are significant for the Project as they confirm the extension of the heavy mineral rich seam from AV-01 / AV-01bis, located 1.25km west-northwest of SOR-08A in the Avellanar Block, and from SOR-02, located 2.86km west (Figure 2). Drill hole SOR-02 was the first drill hole in the Southern Block that intersected high-grade mineralisation, including **1.2m @ 9.65% TiO₂ (9.5% rutile, 3.6% ilmenite), 3.0% ZrO₂ (5.2% zircon) and 0.591% TREO (0.9% monazite) from 373.35m** (refer to ASX announcement 15 December 2025).

⁶ Refer to footnotes on page 1.

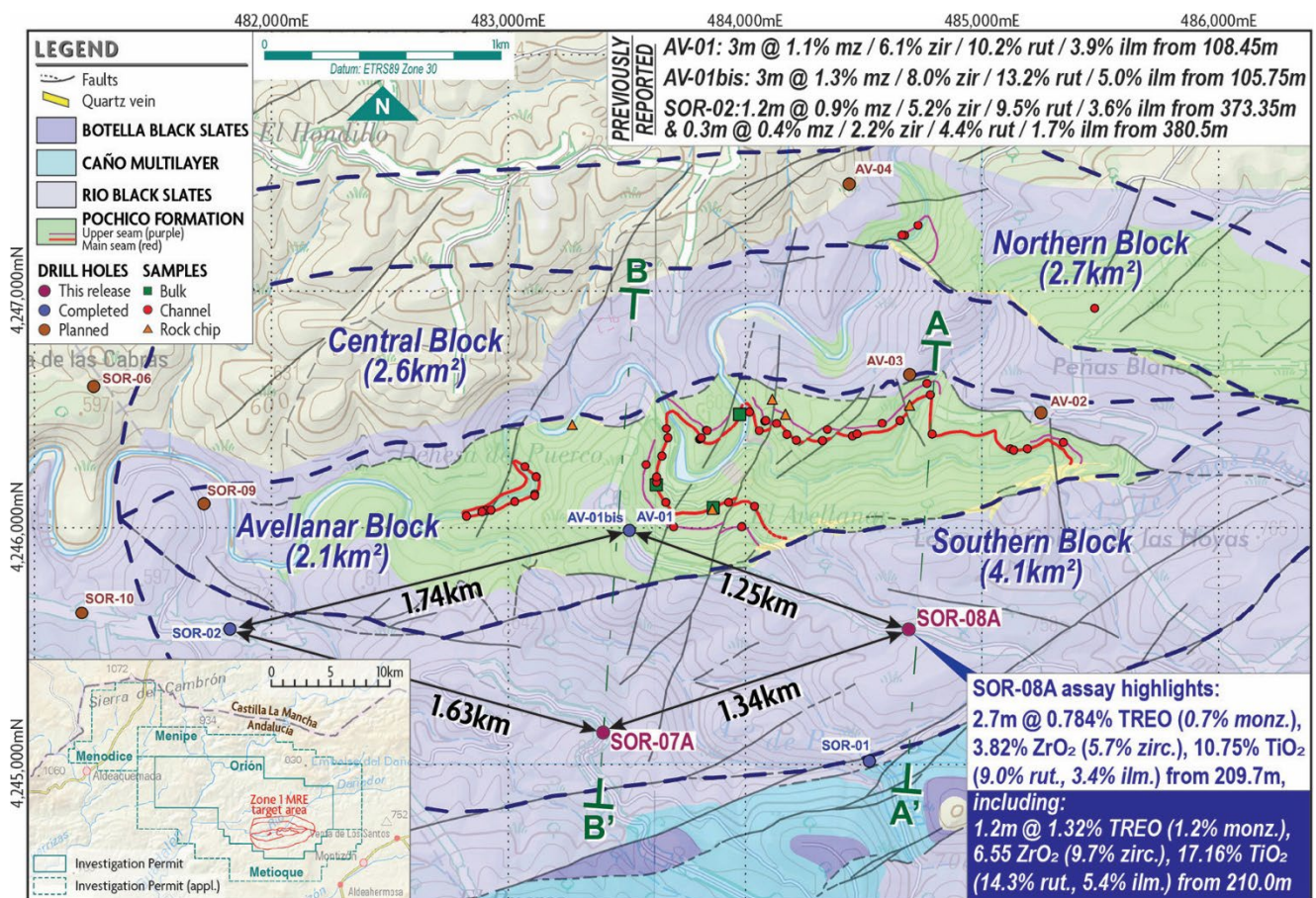


Figure 2 – Map showing location of drill holes and channel samples with assay highlights⁷. Location of cross-sections A – A' (Figure 3) and B – B' (Figure 5) highlighted.

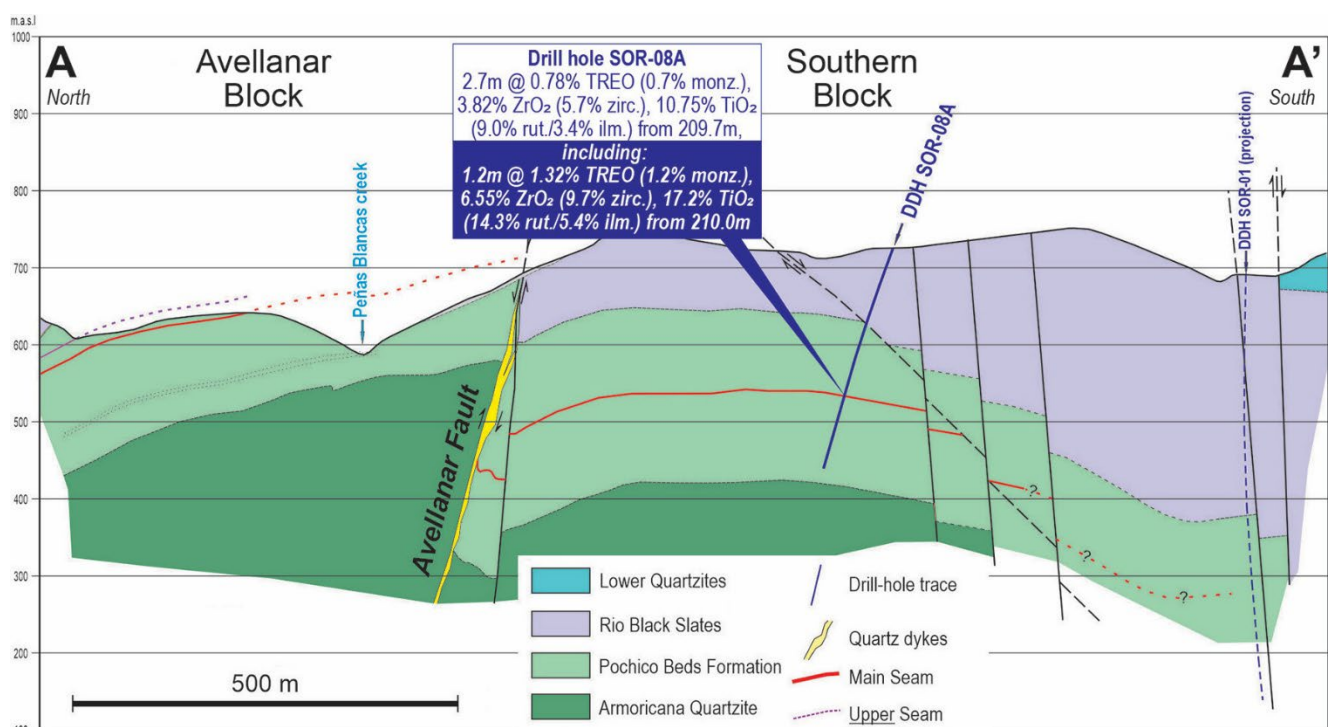


Figure 3 – SOR-08A cross-section.

⁷ Assay results for previous drill holes included in ASX releases dated 18 November 2024, 24 November 2025 and 11 December 2025.

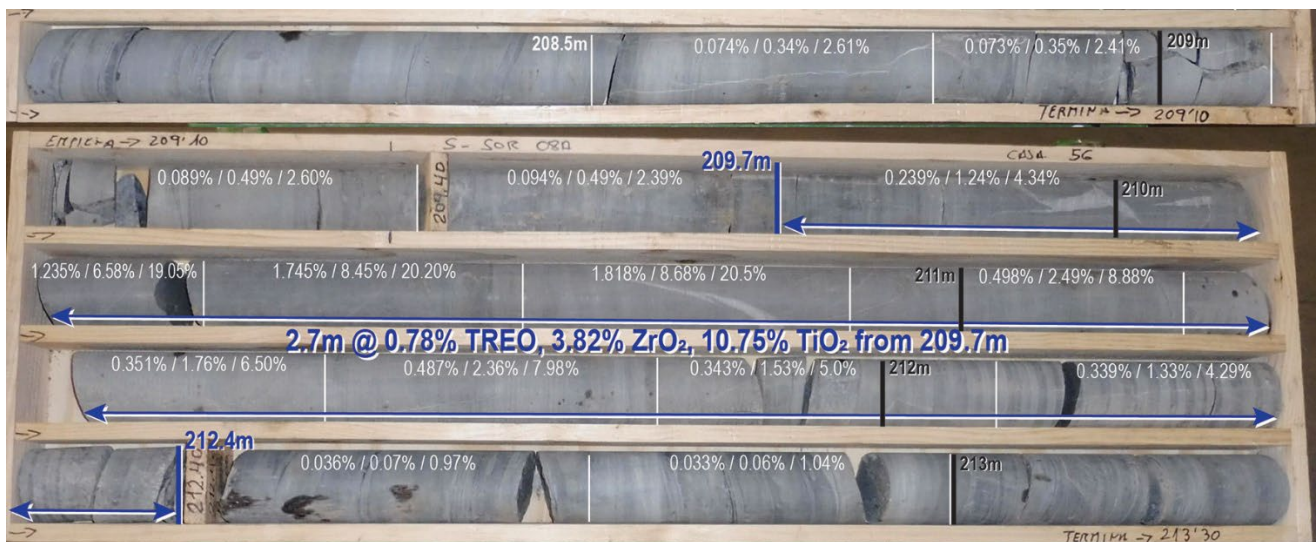


Figure 4 – SOR-08A diamond drill core photos and assay data (Blue: 3% TiO₂% cut-off weighted average grade; White: individual sample assays – TREO% / ZrO₂% / TiO₂%).

With the addition of SOR-08A, the potential of the Southern Block to host high-grade mineralisation is greatly expanded. Furthermore, the greater thickness of the intersection in SOR-08A, relative to SOR-02, indicates the prospective unit thickens to the east and is comparable to the thickness of the main seam intersected in AV-01 / AV-01bis (3.0m) and in channel sampling within the Avellanar Block.

Drilling update

The continuity of the main seam in the Southern Block has been further confirmed by drill hole SOR-07A which intersected the prospective Pochico Formation quartzite layers at a downhole depth of 311.8m (Figure 5). This has been confirmed by geological logging and downhole gamma ray logging (Figure 6). SOR07A is the southernmost drill hole completed at the Project, being located 1.34km west-southwest of SOR-08A and 1.63km east-southeast of drill hole SOR-02 (Figure 2). The differences in depth to the top of the main seam can be attributed to fault offsets and surface elevation differences (Appendix A).

The Company makes no representation regarding the grades of the identified layers in drill hole SOR-07A. All drill intercepts will be sent to an independent laboratory for accurate analysis, with assay results expected in approximately three to four weeks.

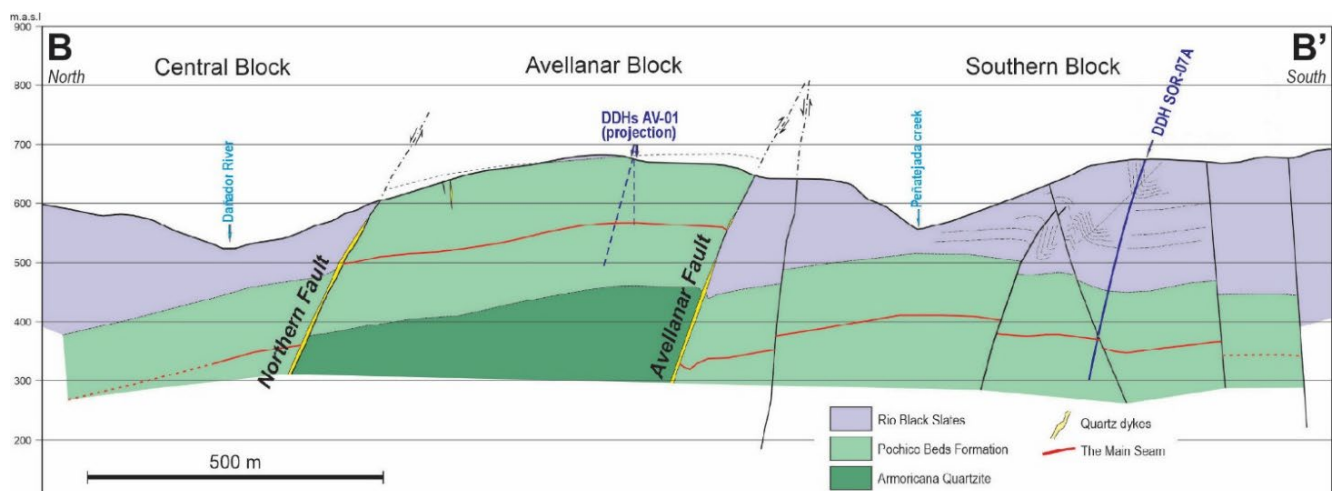


Figure 5 – SOR-07A cross-section

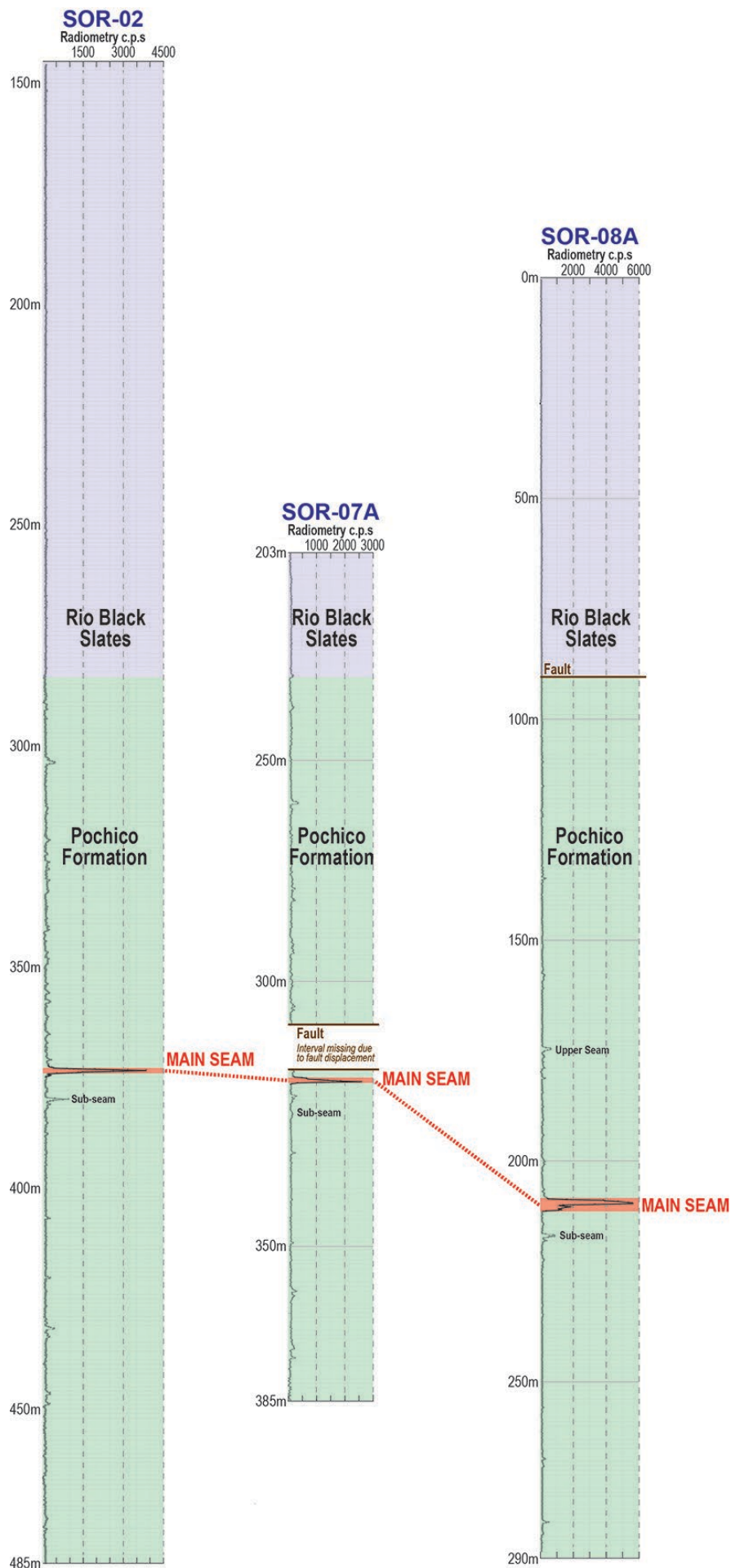


Figure 6 – Gamma logs for drill holes SOR-02, SOR-07A and SOR-08A highlighting stratigraphic correlations.

Channel sampling

Assay results from additional channel sampling of the prospective heavy mineral rich quartzites have been received (Table 1). A total of 7 samples were collected from the Main Seam and Upper Seam at the eastern end of the Avellanar Block where the Pochico Formation outcrops (Figure 7). The latest results increase the strike of the prospective stratigraphy by more than 550m. It is anticipated the results will further assist with geological modelling and geostatistical parameters for the mineral resource estimation currently being undertaken.

Table 1 – Channel sample assay results from Avellanar Block.

Sample No.	Easting	Northing	Sample type	Seam	Thickness (cm)	TiO ₂ (%)	ZrO ₂ (%)	HfO ₂ (ppm)	TREO (ppm)	Rutile (%)	Ilmenite (%)	Zircon (%)	Monazite (%)	THM (%)
Z1-28	484,768	4,246,608	Channel	Upper Seam	153	4.42	1.18	212	1,980	4.4	1.7	2.0	0.3	8.4
Z1-29	484,783	4,246,560	Channel	Main Seam	235	8.67	2.68	482	5,121	8.6	3.3	4.6	0.8	17.2
Z1-31	485,120	4,246,332	Channel	Main Seam	290	8.70	2.84	524	5,356	8.6	3.3	4.9	0.8	17.6
Z1-32	485,134	4,246,326	Channel	Main Seam	290	8.51	2.76	498	5,412	8.4	3.2	4.8	0.8	17.2
Z1-33	485,192	4,246,332	Channel	Main Seam	255	8.11	2.64	481	5,290	8.0	3.1	4.6	0.8	16.4
Z1-35	485,344	4,246,359	Channel	Upper Seam	105	6.15	1.60	277	2,135	6.1	2.3	2.8	0.3	11.5
Z1-37	485,476	4,246,928	Channel	Upper Seam	>80	4.24	0.82	140	1,117	4.2	1.6	1.4	0.2	7.4

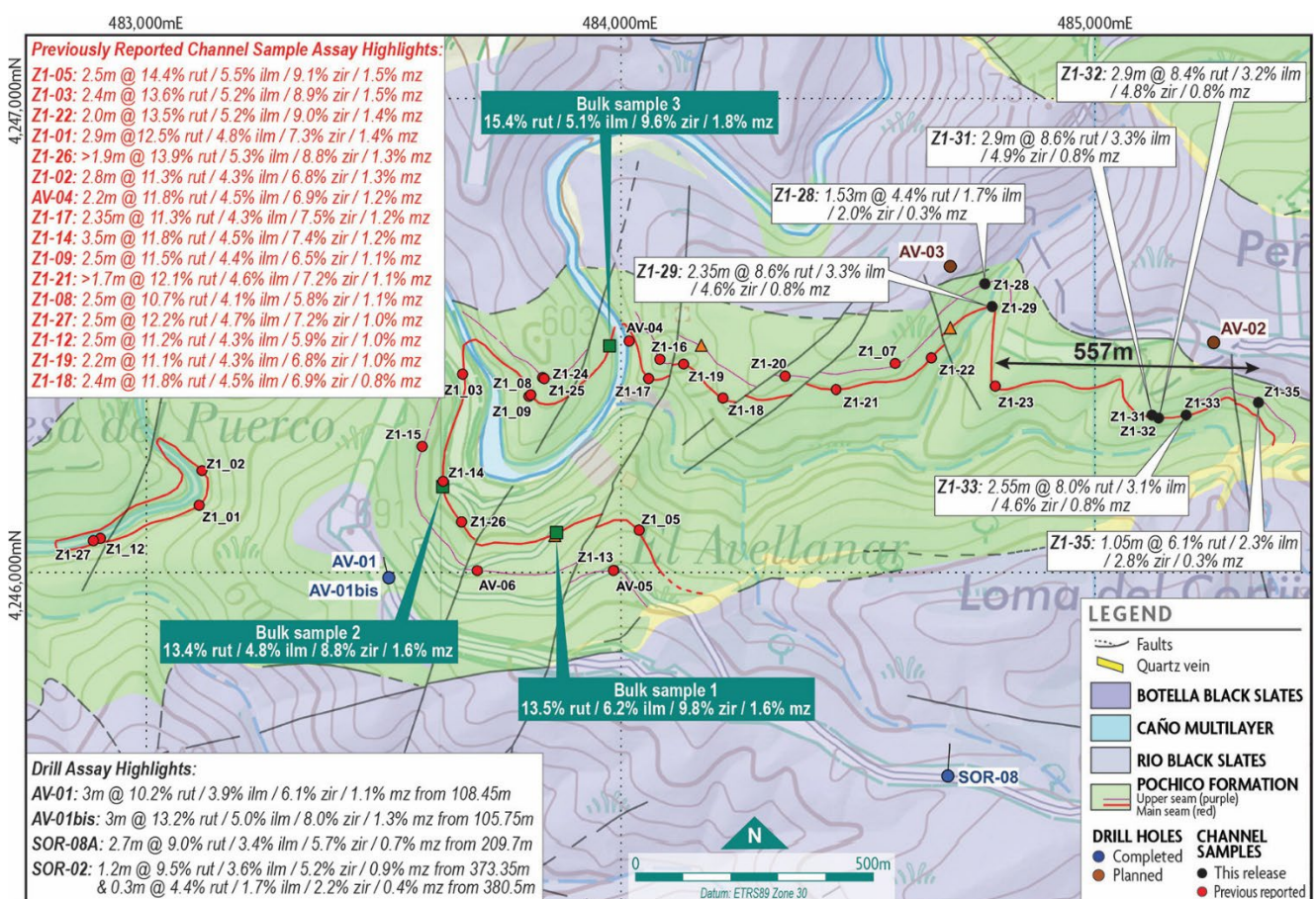


Figure 7 – Channel sample assay results from Avellanar Block.

Maiden Mineral Resource Estimate

The Company anticipates the assays from drill hole SOR-08A will have a material impact on the mineral resource estimation that is currently being undertaken by independent consultants. In conjunction with drill holes SOR-02 and SOR-07A, a significant area has been shown to be prospective within the Southern Block with up to an additional 4.1km² now targeted for mineral resource definition. This is in addition to the 2.1km² already identified in the Avellanar Block. Geological modelling and mining studies associated with the mineralisation in the Southern Block are now being integrated into the Scoping Study, targeted for completion before the end of Q3, CY26.

-Ends-

Approved for release by the Board of Osmond Resources.

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Competent Person Statement

The information in this release that relates to Exploration Results is based on information compiled by Mr Fernando Palero. Mr Palero is the Chief Geologist of Iberian Critical Minerals Pty Ltd. Mr Palero is a licensed professional geologist in Spain and is a registered member of the European Federation of Geologists, an accredited organisation to which the Competent Person (CP) under JORC Code Reporting Standards must belong in order to report Exploration Results, Minerals Resources or Ore Reserves through the ASX. Mr Palero has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a CP as defined in the 2012 edition of the Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC code). Mr Palero consents to the inclusion of this information in the form and context in which they occur.

Forward Looking Statement

The information in this release includes “forward looking statements”. All statements other than statements of historical fact included in this release regarding the business strategy, plans, goals and objectives are forward looking statements. When used in this release, the words “believe”, “project”, “expect”, “anticipate”, “estimate”, “intend”, “budget”, “target”, “aim”, “strategy”, “estimate”, “plan”, “guidance”, “outlook”, “intend”, “may”, “should”, “could”, “will”, “would”, “will be”, “will continue”, “will likely result” and similar expressions are intended to identify forward looking statements, although not all forward looking statements contain such identifying words. These forward looking statements are based on Osmond’s current expectations and assumptions about future events and are based on currently available information as to the outcome and timing of future events. The reader is cautioned that these forward looking statements are subject to all of the risks and uncertainties, most of which are difficult to predict and many of which are beyond the Company’s control, incident to the extraction of the critical materials the Company intends to produce. These risks include, but are not limited to: limited operating history in the critical minerals’ extraction industry and no revenue from the proposed extraction operations; the need for substantial additional financing to execute the business plan and the Company’s ability to access capital and the financial markets; the Company’s status as an exploration stage company dependent on a single project with no known JORC Code compliant mineral resources or reserves; and other risks. Should one or more of these risks or uncertainties occur, or should underlying assumptions prove incorrect, the actual results and plans could differ materially from those expressed in any forward looking statements. No representation or warranty (express or implied) is made as to, and no reliance should be placed on, any information, including projections, estimates, targets and opinions contained herein, and no liability whatsoever is accepted as to any errors, omissions or misstatements contained herein. The reader is cautioned not to place undue reliance on any forward looking statements, which speak only as of the date of this release. Except as otherwise required by applicable law, the Company disclaims any duty to update and do not intend to update any forward looking statements, all of which are expressly qualified by the statements in this section, to reflect events or circumstances after the date of this Presentation.

ABOUT OSMOND RESOURCES

Osmond Resources Limited (ASX:**OSM**) is an ASX listed company focused on fast-tracking the development of EU Critical Minerals Projects.

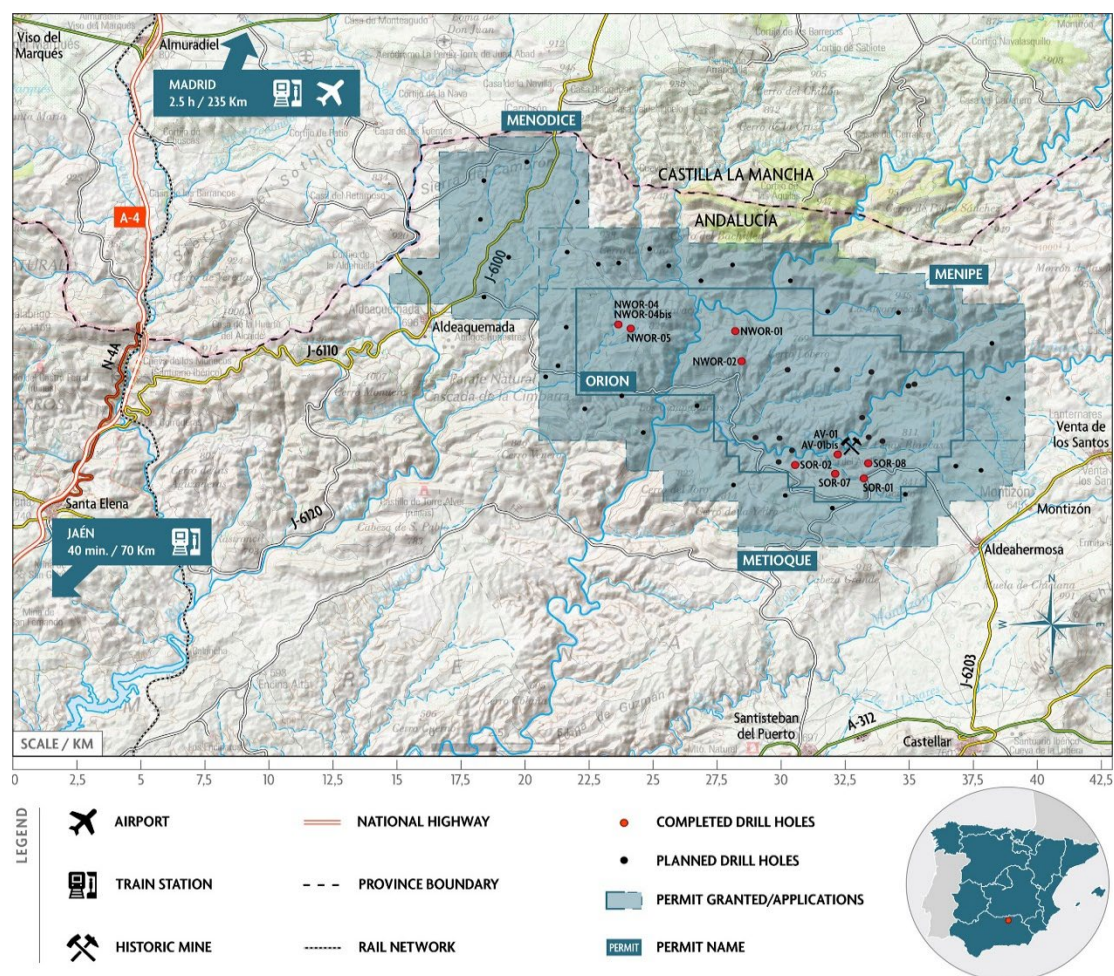
Orión EU Critical Minerals Project, Spain

Upon completion of a Scoping Study the Company will control an 80% interest in 95% of the Orión EU Critical Minerals Project (**the Project**) located in Jaén Province, Andalucía, Southern Spain (refer to location map below). The Project includes 772 Spanish mining units (cuadrículas mineras) covering an area of 232 km².

It is a siliciclastic geological system with various layers rich in critical minerals including rutile (titanium), zirconium, hafnium, and rare earth elements. The Project area was explored for thorium and uranium in the 1950s and 1960s and includes a historic galena mine worked in 1970s.

The Company is targeting primary high-grade rutile, zircon and monazite layers across the entire Project area. The potential grade of the layers is evidenced in bulk rock channel samples that were taken from three different outcrops (150kgs in total) across the Avellanar Zone (Zone 1) with the assay and mineral species' results shown in Table below.

The Company is looking to fast-track development activities and is targeting completion of a Scoping Study in 2H CY26 to take advantage of strong EU regulatory support for in-sourcing production of critical minerals. In operation, the Company will be the only producer of rare earths, titanium, zirconium and hafnium in the EU.



Map showing location of Orión EU Critical Minerals Project

Table – Select modals and oxides from bulk samples and target area drill holes

Element	Mineral/Oxide	Unit	Sample 1	Sample 2	Sample 3	AV-01 [†]	AV-01 bis [§]
Titanium	TiO ₂	%	15.16%	14.04%	14.04%	10.39%	13.20%
	Rutile	%	13.49%	13.36%	13.36%	~10.20%	~13.00%
	Ilmenite	%	6.19%	4.82%	4.82%	~3.90%	~5.00%
Zirconium	ZrO ₂	%	5.57%	5.07%	5.07%	3.51%	4.60%
	Zircon	%	9.79%	8.77%	8.77%	~6.10%	~8.00%
Rare Earths	Monazite	%	1.62%	1.56%	1.56%	~1.10%	~1.30%
	Allanite	%	0.24%	0.02%	0.02%	neg.	neg.
	Xenotime	%	0.04%	0.03%	0.03%	neg.	neg.
	TREO%*	%	1.18%	1.07%	1.07%	0.72%	0.89%
Heavy Minerals**		%	32.8%	29.4%	29.4%	~30%	~40%
Element	Oxide	Unit	Sample 1	Sample 2	Sample 3	AV-01	AV-01bis
Hafnium	HfO ₂	ppm	1,204	1,178	1,178	756	1,020
Lanthanum	La ₂ O ₃	ppm	2,154	1,964	1,964	1,431	1,700
Cerium	CeO ₂	ppm	5,305	4,815	4,815	3,112	3,867
Praseodymium	Pr ₆ O ₁₁	ppm	575	520	520	347	436
Neodymium	Nd ₂ O ₃	ppm	2,049	1,858	1,858	1,209	1,535
Samarium	Sm ₂ O ₃	ppm	366	331	331	218	270
Europium	Eu ₂ O ₃	ppm	28	26	26	18	23
Gadolinium	Gd ₂ O ₃	ppm	259	232	232	151	183
Terbium	Tb ₄ O ₇	ppm	33	30	30	20	23
Dysprosium	Dy ₂ O ₃	ppm	155	142	142	95	113
Holmium	Hm ₂ O ₃	ppm	27	25	25	16	20
Erbium	Er ₂ O ₃	ppm	73	67	67	45	54
Thulium	Tm ₂ O ₃	ppm	11	10	10	7	8
Ytterbium	Yb ₂ O ₃	ppm	79	72	72	48	60
Lutetium	Lu ₂ O ₃	ppm	13	12	12	8	10
Yttrium	Y ₂ O ₃	ppm	689	628	628	487	563

* TREO: Total Rare Earth Oxides - La₂O₃, CeO₂, Pr₆O₁₁, Nd₂O₃, Sm₂O₃, Eu₂O₃, Gd₂O₃, Tb₄O₇, Dy₂O₃, Ho₂O₃, Er₂O₃, Tm₂O₃, Yb₂O₃, Lu₂O₃, Y₂O₃.

** Heavy Minerals – allanite, monazite, xenotime, garnet, titanite, zircon, ilmenite, rutile.

[†] Refer ASX announcement 18 November 2025. Grades quoted for 3m downhole interval (108.45 - 111.45m).

[§] Refer ASX announcement 24 November 2025. Grades quoted for 3m downhole interval (105.75 - 108.75m).

AV-01 and AV-01bis mineral proportions are estimates based on bulk sampling (refer to Appendix B).

Iberian One Project, Spain

The Company owns a 100% interest in the Iberian One Project, located in Segovia Province, central Spain. The project aims to exploit kaolinite and alunite mineralisation to deliver EU critical minerals.

Osmond's current focus is the Orión EU Critical Minerals Project and it is presently considering options with respect to progressing the Iberian One Project.

Appendix A – SOR-07A and SOR-08A drill hole information.

Drill hole	Easting (mE)	Northing (mN)	Elev. (m)	Dip (°)	Azi (°)	Final Depth (m)
SOR-07A	483,400	4,245,135	676.2	-70	0	387.6
SOR-08A	484,690	4,245,570	725.1	-70	0	290.4

Datum: ETRS89 Zone 30.

Appendix B – Rutile, ilmenite, zircon and monazite grade estimates.

Mineral grade estimates are based on assay mass balance calculations using the following formulas:

- Monazite: $100 * (\text{Ce}\% + \text{La}\%) / 59.6$
- Ilmenite: $(\text{TiO}_2\% * 100) / (2.627 * 100 + 52.66)$
- Rutile: $\text{Ilmenite} * 2.627$
- Zircon: $100 * (\text{ZrO}_2\% / 10000) / 49.77$

Detailed quantitative mineralogical studies to confirm relative abundances are ongoing.

Appendix C – SOR-08A assay data.

Sample ID	From (m)	To (m)	Int (m)	TiO ₂ (%)	ZrO ₂ (%)	HfO ₂ (ppm)	TREO (%)	MREO (%)
M149316	208.50	208.80	0.30	2.61	0.34	71	0.074	0.019
M149317	208.80	209.10	0.30	2.41	0.35	74	0.073	0.019
M149319	209.10	209.40	0.30	2.60	0.49	106	0.089	0.022
M149320	209.40	209.70	0.30	2.39	0.49	105	0.094	0.024
M149323	209.70	210.00	0.30	4.34	1.24	263	0.239	0.062
M149324	210.00	210.30	0.30	19.05	6.58	1,451	1.235	0.324
M149325	210.30	210.60	0.30	20.20	8.45	1,793	1.745	0.458
M149326	210.60	210.90	0.30	20.50	8.68	1,840	1.818	0.477
M149327	210.90	211.20	0.30	8.88	2.49	521	0.498	0.130
M149328	211.20	211.50	0.30	6.50	1.76	367	0.351	0.091
M149330	211.50	211.80	0.30	7.98	2.36	509	0.487	0.127
M149331	211.80	212.10	0.30	5.00	1.53	300	0.343	0.089
M149332	212.10	212.40	0.30	4.29	1.33	292	0.339	0.088
M149333	212.40	212.70	0.30	0.97	0.07	14	0.036	0.009
M149335	212.70	213.00	0.30	1.04	0.06	13	0.033	0.008

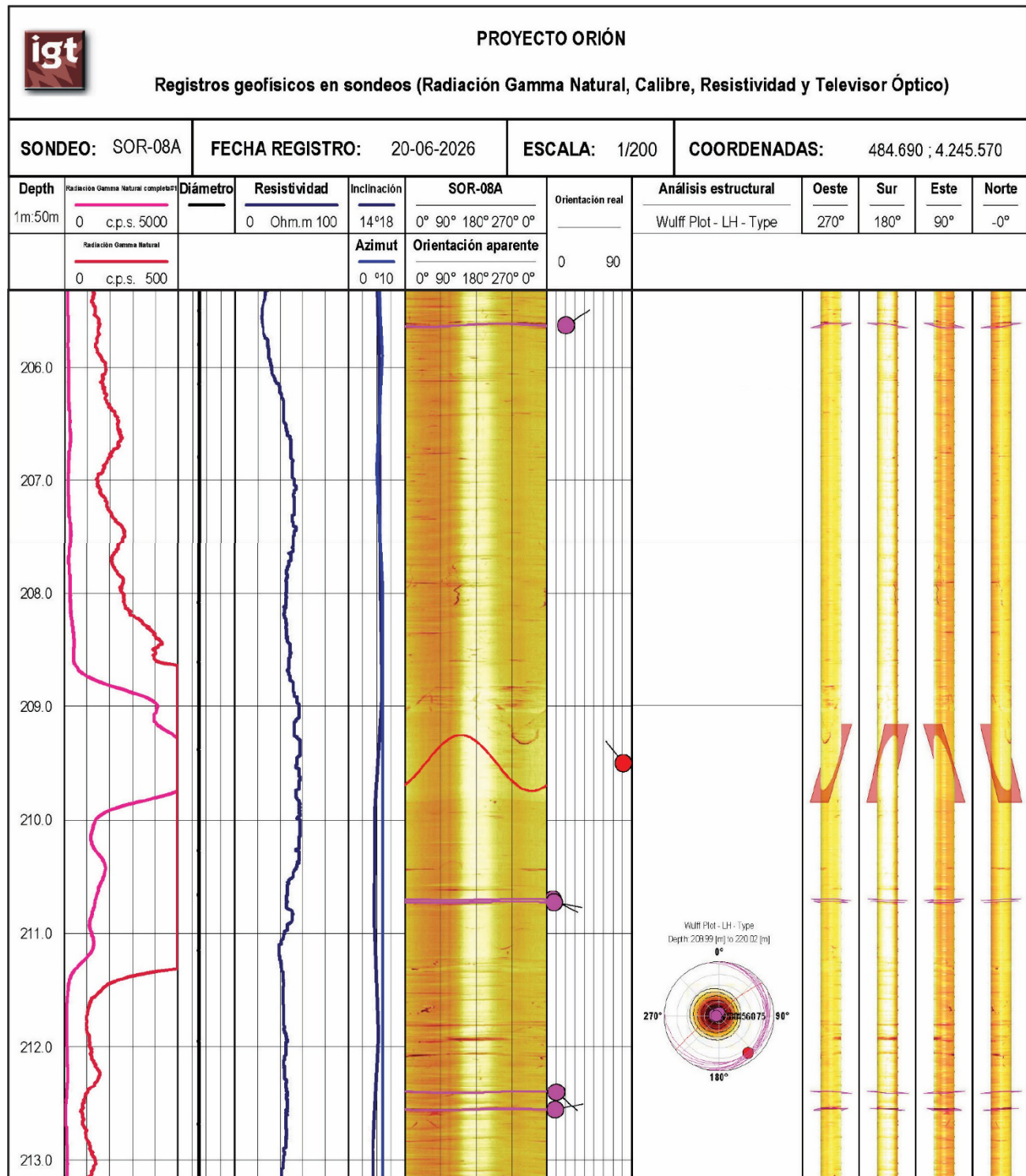
Sample ID	From (m)	To (m)	Int (m)	La ₂ O ₃ (ppm)	CeO ₂ (ppm)	Pr ₆ O ₁₁ (ppm)	Nd ₂ O ₃ (ppm)	Sm ₂ O ₃ (ppm)	Eu ₂ O ₃ (ppm)	Gd ₂ O ₃ (ppm)	Tb ₄ O ₇ (ppm)	Dy ₂ O ₃ (ppm)	Ho ₂ O ₃ (ppm)	Er ₂ O ₃ (ppm)	Tm ₂ O ₃ (ppm)	Yb ₂ O ₃ (ppm)	Lu ₂ O ₃ (ppm)	Y ₂ O ₃ (ppm)	TREO (%)	MREO (%)
M149316	208.50	208.80	0.30	133	303	32	117	22	3	16	2	13	3	7	1	7	1	77	0.074	0.019
M149317	208.80	209.10	0.30	130	296	32	116	22	4	18	2	14	3	7	1	8	1	82	0.07	0.019
M149319	209.10	209.40	0.30	164	373	39	142	26	3	19	3	14	3	8	1	9	1	83	0.09	0.022
M149320	209.40	209.70	0.30	180	398	43	153	27	3	20	3	13	3	7	1	8	1	76	0.09	0.024
M149323	209.70	210.00	0.30	457	1,023	110	397	72	7	52	7	33	6	16	2	18	3	183	0.24	0.062
M149324	210.00	210.30	0.30	2,439	5,368	584	2,088	378	30	269	33	157	28	73	11	82	14	795	1.23	0.324
M149325	210.30	210.60	0.30	3,460	7,616	805	2,974	536	41	387	47	223	39	99	14	106	18	1,084	1.75	0.458
M149326	210.60	210.90	0.30	3,589	7,972	857	3,079	559	43	402	49	228	40	101	15	110	19	1,112	1.82	0.477
M149327	210.90	211.20	0.30	959	2,156	236	834	150	13	110	14	66	12	31	5	34	6	356	0.50	0.130
M149328	211.20	211.50	0.30	676	1,486	161	580	105	10	78	10	50	9	25	4	26	4	282	0.35	0.091
M149330	211.50	211.80	0.30	942	2,107	227	814	144	13	108	14	66	12	31	5	34	6	353	0.49	0.127
M149331	211.80	212.10	0.30	672	1,462	159	570	102	9	75	10	46	9	23	3	24	4	258	0.34	0.089
M149332	212.10	212.40	0.30	666	1,443	158	566	101	9	75	10	47	9	22	3	23	4	252	0.34	0.088
M149333	212.40	212.70	0.30	63	141	15	54	11	2	9	1	8	2	4	1	4	1	49	0.04	0.009
M149335	212.70	213.00	0.30	57	127	13	48	9	2	8	1	7	1	4	1	4	1	43	0.03	0.008

Appendix D – Channel sample assay data.

Sample No.	Easting	Northing	Sample type	Seam	Thickness (cm)	TiO ₂ (%)	ZrO ₂ (%)	HfO ₂ (ppm)	TREO (ppm)	Rutile (%)	Ilmenite (%)	Zircon (%)	Monazite (%)	THM (%)
Z1-28	484,768	4,246,608	Channel	Upper Seam	153	4.42	1.18	212	1,980	4.4	1.7	2.0	0.3	8.4
Z1-29	484,783	4,246,560	Channel	Main Seam	235	8.67	2.68	482	5,121	8.6	3.3	4.6	0.8	17.2
Z1-31	485,120	4,246,332	Channel	Main Seam	290	8.70	2.84	524	5,356	8.6	3.3	4.9	0.8	17.6
Z1-32	485,134	4,246,326	Channel	Main Seam	290	8.51	2.76	498	5,412	8.4	3.2	4.8	0.8	17.2
Z1-33	485,192	4,246,332	Channel	Main Seam	255	8.11	2.64	481	5,290	8.0	3.1	4.6	0.8	16.4
Z1-35	485,344	4,246,359	Channel	Upper Seam	105	6.15	1.60	277	2,135	6.1	2.3	2.8	0.3	11.5
Z1-37	485,476	4,246,928	Channel	Upper Seam	>80	4.24	0.82	140	1,117	4.2	1.6	1.4	0.2	7.4

Sample No.	La ₂ O ₃ (ppm)	CeO ₂ (ppm)	Pr ₆ O ₇ (ppm)	Nd ₂ O ₃ (ppm)	Sm ₂ O ₃ (ppm)	Eu ₂ O ₃ (ppm)	Gd ₂ O ₃ (ppm)	Tb ₄ O ₇ (ppm)	Dy ₂ O ₃ (ppm)	Ho ₂ O ₃ (ppm)	Er ₂ O ₃ (ppm)	Tm ₂ O ₃ (ppm)	Yb ₂ O ₃ (ppm)	Lu ₂ O ₃ (ppm)	Y ₂ O ₃ (ppm)	TREO (ppm)	MREO (ppm)
Z1-28	399	829	94	322	59	5	40	6	27	5	14	2	16	3	159	1,980	508
Z1-29	1,007	2,162	248	867	155	14	106	15	69	13	35	5	38	7	382	5,121	1,353
Z1-31	1,052	2,297	263	911	159	13	107	15	68	12	33	5	36	6	376	5,356	1,416
Z1-32	1,071	2,309	262	910	164	14	111	15	70	13	35	5	38	7	389	5,412	1,420
Z1-33	1,047	2,260	261	895	157	13	107	15	69	12	34	5	37	6	371	5,290	1,396
Z1-35	428	896	103	360	63	6	42	6	28	5	15	2	18	3	160	2,135	560
Z1-37	220	469	52	178	32	4	22	3	16	3	9	1	10	2	94	1,117	282

Appendix E – SOR-08A gamma log



JORC TABLE 1

Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	- Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling. - 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 (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.	- Rock chip sampling: Samples of approximately 500g were collected from outcrops showing positive scintillometer readings. Samples were collected with a geological hammer across the width and strike of the anomalous layers. SPP2 and Radiacode 103 scintillometers were used as a tool to detect the layers with heavy minerals. High radiometric values than background are observed where high Ti-Zr-REE values are present. - Bulk sampling: Sampling was completed by channel sampling with a geological hammer across the width of the heavy mineral seam. The layer dips gently to the north, so the channels were taken subvertical in orientation. Three representative samples, totalling 150kg, were taken (Sample 1: 78.3kg, Sample 2: 39.9kg, Sample 3: 33.5kg). - Rock chip and bulk samples were collected in different areas separated by around 200m that sought to confirm the continuity and repeatability of grades and composition along the prospective layers. - Core sampling: Sampled intervals from core was identified visually (lithological changes) and with assistance of scintillometer, pXRF and down hole gamma ray logging. The intervals were split in samples of 30 cm long. The diamond core was ½ cut and then ¼ cut with one of the ¼ cores sampled for assaying. - Given the fine-grained texture of the prospective layers, the sample size is considered to be representative. - Samples were bagged, coded and secured with plastic ties for shipping.
Drilling techniques	Drill type (e.g., core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g., core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc.).	- Diamond drilling with conventional wire line. - OSM diamond core standard is HQ size (63.5mm diameter). PQ in the first meters - OSM drilling is with standard double tube. - Diamond core is not oriented however detailed bedding and structural measurements are collected during downhole geophysical logging. - OSM drilling was commissioned and managed by OSM.
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.	- Core loss was measured for each drilling run and recorded. - Recoveries were determined to be very good, approximately 100%. - There was no core loss so there is no sample bias.
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.	- Samples in the outcrops were logged by geologists for lithology, structure, texture, colour and radiometric response. Channel sampling areas (showing sampling intervals and sample bags) were photographed. - Sample logging (rock chips, channels & core) is both qualitative and quantitative. - The core was logged to a level consistent with industry standards and appropriate to support Mineral Resource Estimation. - The drill core has been logged with high detail. 100% of the drill core sampled by OSM drilling has been photographed and logged.
Sub-sampling techniques and	If core, whether cut or sawn and whether quarter, half or all core taken.	Samples were selected by OSM geologists for assaying.

sample preparation	• <i>If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.</i> • <i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i> • <i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i> • <i>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.</i> • <i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i> • Sample preparation was carried via industry standard procedures at certified labs, ALS (Seville, Spain) and SGS (Huelva, Spain). At ALS, samples were crushed to p70 <2mm, pulverised to p85 <75 µm and split using a Boyd crusher/rotary splitter. Pulps were then sent to Galway, Ireland, for geochemical analysis. At SGS, samples were crushed to <2mm and split for assaying in Lakefield, Canada. • Bulk samples: samples were bagged, coded and secured with plastic ties for shipping to SGS. Samples were crushed to ¾" mesh. Approximately 4 kg from each sample was stage-crushed to P80 of ca. -10 mesh. Approximately 200 g from each sample was screened and recombined into six (6) size fractions based on the wt% distribution including +2 mm, -2 mm/+1.18 mm, -1.18 mm/+710 µm, -710 µm /+425 µm, -425 µm /+75 µm and -75 µm for the TIMA analysis. Replicate graphite impregnated polished mounts were prepared for the TIMA analysis. A 30g aliquot was riffled from each fraction, pulverized, and submitted for geochemical analysis. • Channel sampling have been duplicate in situ, taking a parallel channel close to the original in the same outcrop. • The diamond core was ½ cut and then ¼ cut with one of the ¼ cores sampled for assaying. The other ¼ has been used to duplicate sampling and mineralogical and metallurgical using. Sample preparation at ALS is same as detailed above.
Quality of assay data and laboratory tests	• <i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i> • <i>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.</i> • <i>Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.</i> • ALS: assaying was conducted using ICP-OES and XRF. Multielement analysis is done by Lithium borate fusion with ICP-MS finish (ME-MS81) and major elements with XRF finish (ME-XRF15b). Methods are considered total. The samples with overlimit are assayed by lithium meta-borate fusion and ICP-MS (ME-MS85h); and multicomponent fusion (12:22 lithium metaborate - lithium tetraborate flux containing 20% NaNO3) and XRF assay (ME-XRF15b). • SGS: assayed by XRF with borate fusion for major elements, Ti and Zr (XRF76V), ICP-MS sodium peroxide fusion for the REE, Th, U, and Y (IMS91AC1). Mineralogy determined by TIMA-X. TIMA-X analysis will include mineral identification (i.e., REE mineral speciation, gangue minerals, sulphides etc.), modal abundance, liberation and association of minerals of interest by size class, grade-recovery, exposure to predict metallurgical response. • ALS and SGS reports results for internal standards, duplicates, prep duplicates and blanks. QC data indicate acceptable levels of accuracy and precision for the elements analysed. • Channel sampling quality assays has been controlled with blanks, and duplicate assay at a rate of 1/20 for blanks and 1/10 for duplicates. OSM is using an internal CRM standard. • For the diamond drilling, OSM inserted its own control samples (blanks, duplicates and standards) at a rate of 1/20 for blanks and 1/10 for others. • Down hole geophysics was performed by International Geophysical Technologies, S.L. (IGT) using a Robertson Geologging Micrologger II model. Probes include: three-arm gauge; natural gamma radiation and resistivity; optical telescope; and acoustic telescope.
Verification of sampling and assaying	• <i>The verification of significant intersections by either independent or alternative company personnel.</i> • <i>The use of twinned holes.</i> • <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i> • <i>Discuss any adjustment to assay data.</i> • No external verification done. • No specific twin holes were drilled. • Results have been checked by company Chief Geologist and Senior Geologist. • OSM received all assay data directly from the laboratories in electronic format (xls or csv). This data is transferred to a master database and monitored for QA/QC purposes. • Original lab results are reported as oxides for major elements and as ppm for minor and trace elements.

	REE were reported by the lab as ppm and converted by OSM to oxides.
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.	- Rock chip and channel sample locations were determined with a handheld GPS. It has an accuracy of $\pm 2\text{m}$ which is sufficient given the nature of sampling program. - Drill hole collar locations were determined using a handheld GPS and are consequently considered provisional. Detailed collar positions to be made using a digital GPS (DGPS) at the conclusion of the drilling program. - Grid system is the official one in the survey area (ETRS89 Zone 30). - Elevations determined from DEM.
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.	- Rock chip samples were taken approximately every 100m along strike (~2,000m) of the prospective layers. - Channel samples have been composited over the entire thickness of the identified layer for reporting purposes. - Drill hole spacing is irregular and dependent on the zone. Zone 1: 550m – 1,740m. Zone 2: 250m – 1,550m. Zone 3: 550m – 4,000m. - It is considered that the spacing of samples used is sufficient for the evaluation of a Mineral Resource Estimate (JORC, 2012) given the continuity of the layers and relatively low grade variability. - No drill core sample compositing has occurred.
Orientation of data in relation to geological structure - Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. - 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.	- Rock chips: the prospective layers are relatively continuous where intersected by the topographic surface. Sampling is nominally at ~100m interval along strike and channel samples are taken across the full width of the prospective layer. - Drill hole dips are mostly vertical or near (maximum 75°) so they intersect the sub-horizontal stratigraphy perpendicularly. - No sample bias has been introduced by the drilling orientation.
Sample security The measures taken to ensure sample security.	Chain of custody is managed by OSM. Samples were taken and transported to a secure facility for logging and taking pictures by OSM personnel. Following this, samples for assay were bagged and secured with zip locks to be shipped to ALS and SGS Labs.
Audits or reviews The results of any audits or reviews of sampling techniques and data.	N/A for this release.

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 license to operate in the area.	- Tenement information:<table><tr><th>Permit Name</th><th>Permit No.</th><th>Permit Type</th><th>Status</th></tr><tr><td>Orión</td><td>16271</td><td>Investigation Permit</td><td>Granted</td></tr><tr><td>Metioque</td><td>16280</td><td>Investigation Permit</td><td>Application</td></tr><tr><td>Menodice</td><td>16281</td><td>Investigation Permit</td><td>Application</td></tr><tr><td>Menipe</td><td>16282</td><td>Investigation Permit</td><td>Application</td></tr></table> - Type: Investigation Permit for resources of Section C) following the Mining Act 22/1973, Royal Decree 2857/1978 (development) and Royal Decree 975/2009 (environmental restoration). - Special Conservation Area: ZEC ES6160008 “Cuencas del Rúmbiar, Guadalén y Guadalmena”. - The permit is owned 100% by Spanish private company Green Mineral Resources SL (GMR). Omnis Minería in turn owns 75.5% of GMR and has the right to move to 95% upon completion of a Scoping Study. At this juncture the minority non-related shareholder has the option to fund pro rata or convert the	Permit Name	Permit No.	Permit Type	Status	Orión	16271	Investigation Permit	Granted	Metioque	16280	Investigation Permit	Application	Menodice	16281	Investigation Permit	Application	Menipe	16282	Investigation Permit	Application
Permit Name	Permit No.	Permit Type	Status																			
Orión	16271	Investigation Permit	Granted																			
Metioque	16280	Investigation Permit	Application																			
Menodice	16281	Investigation Permit	Application																			
Menipe	16282	Investigation Permit	Application																			

Criteria	JORC Code explanation	Commentary
		remaining 5% into a royalty that can be bought out for US\$750,000. - Australian private company Iberian Critical Minerals Pty Ltd owns 100% of the issued capital of Omnis Mineria SL. Osmond Resources has received shareholder approval to acquire all the issued capital of Iberian Critical Minerals Pty Ltd. Osmond Resources currently owns 80% of Iberian Critical Minerals Pty Ltd. - Once the application has been officially submitted, the tenement is secured and no other entity can apply for the area - The investigation and the potential mining exploitation activity should be adapted to be compatible preserving the natural values within the ZEC zones
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	- The area was investigated for U and Th in the 1950s and 1960s by Junta de Energía Nuclear (JEN). JEN did not continue with its exploration given low levels of U and Th. Anomalous enrichment in heavy minerals was noted. - In the 1980's, Dupont studied the area for heavy minerals but did not continue its exploration.
Geology	Deposit type, geological setting and style of mineralisation.	- The deposit can be considered as a lithified tidal sand bed-type deposit (placer), with various layers enriched in heavy minerals. Layer thickness ranges from 0.3 – 4.0m. - The most significant minerals of economic importance are rutile, ilmenite, zircon and monazite. - The primary rock type that hosts the mineralisation is weakly laminated quartzite. - Stratigraphically the host rock is correlated with the Pochico Formation. - Genesis: destruction and transport of granite-type materials rich in heavy minerals. Due to these minerals high density, they have been concentrated similar to a tidal sand-type deposits (placer).
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.	- Drill hole information is tabulated in the body of this release. - All drill holes were diamond cored. - No information has been excluded.
Data aggregation methods	- In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut off grades are usually Material and should be stated. - 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.	- For diamond drilling, weighted average grade calculations were made as follows: - Primary cut-off: 2% TiO₂, max. 0.9m internal dilution - Secondary cut-off: 5% TiO₂, max. 0.6m internal dilution - Ternary cut-off: 8% TiO₂, max. 0.3m internal dilution - No maximum or minimum grade truncations were applied to the raw assay data. - No metal equivalent values have been reported.

Criteria	JORC Code explanation	Commentary
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	
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 (e.g. 'down hole length, true width not known').	- Drill holes are predominantly vertical (-90°) or near-vertical (-75°) so as to intersect the sub-horizontal stratigraphy at a perpendicular angle. - Usual intersections between hole and bedding have been near to orthogonal. The true thickness of stratigraphy intersected is outlined in the body of this release.
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.	Relevant maps and sections are contained in the body of this release.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	All available relevant information is reported.
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.	- The main geological observation is the likely continuity of the primary heavy mineral layers undercover. This is important in the context of continuity of the high-grade layers and the possible scale associated with them. - Importantly, rock chip and channel sample assay results indicate very low levels of deleterious elements.
Further work	- The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling). - Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	- Further planned work included geological mapping, rock chip sampling, channel sampling, geophysical studies, diamond drilling, metallurgical studies, product marketing and scoping studies. - The Investigation Permits under application (Metioque, Menodice, Menipe) are areas where OSM will target lateral extensions to the prospective stratigraphy when these permits are granted.