



MULTIPLE SHALLOW HIGH GRADE REE HITS FROM FLAGSHIP TENEMENT

ASX RELEASE: 28 OCTOBER 2022

Highlights

- Continuing shallow, high-grade mineralisation at clay hosted-critical rare earth element (REE) project, located on the South Australian-Victorian border in the Murray Basin
- Results received from high priority tenement EL007647, which is located adjacent to and along strike from AR3's 81.4Mt Koppamurra REE resource¹
- REE concentrations up to 3,261 ppm TREO recorded
- 80% of the 36 holes intercepted mineralisation
- Numerous 3m intervals at high grade
- Results expand the footprint of REE mineralisation on EL007647
- The Company is working towards establishing an initial inferred JORC Compliance Resource by end of Q1 CY 2023

Resource Base Ltd (ASX: RBX) (**Resource Base** or **the Company**) a strategic metals explorer targeting clay hosted REE and VHMS in Victoria and South Australia, is pleased to announce results from drilling on EL007647 during early-mid September have been received from the Bureau Veritas assay laboratory in Adelaide.

Resource Base Non-Executive Chairman, Maurice Feilich, commented:

"These results include our highest TREO assay to date from the Mitre Hill Project and continue to confirm the potential for sizeable high-grade resources on EL007647 and demonstrate the scale potential of these clay hosted REE deposits throughout the Murray Basin when viewed in conjunction with other known mineralisation in the region."

"The grade, depth and scale of the Murray Basin REE mineralisation being discovered at this time bodes well for the region to be the focus of long-term production of these critical elements as the global energy system evolves in the coming decades."

¹ AR3 ASX Announcement dated 4 July 2022 "104% increase in Mineral Resource at Koppamurra project"



Results from Drilling

EL007647

Ongoing results from drilling on EL007647 continue to identify excellent REE mineralisation.

Recently received results returned significant mineralisation (>350ppm TREO) in 80% of the holes.

Results from 36 holes were received from the Bureau Veritas lab in Adelaide.

Exciting intercepts from the recent batch include **3m @ 1,585 ppm TREO, 3m @ 1,548 ppm TREO** and outstanding 1m intervals of **3,261 ppm TREO, 2,870 ppm TREO** and **2,860 ppm TREO**.

Significant intercepts from EL007647 to date are presented in Table 1 below.

Table 1: EL007647 Significant REE Intercepts (selected intercepts from >750ppm TREO, 350ppm lower cut-off, max 1m internal dilution data set). Resource Base 28 October 2022.

HoleID	From (m)	Thickness (m)	TREO (ppm)	MREO (ppm)
MHAC220165*	12	5	1106	305
MHAC220212	11	3	1585	358
MHAC220215	6	3	1548	437
MHAC220179*	9	5	760	203
MHAC220221	7	3.5	1074	272
MHAC220242	8	3	1224	287
MHAC220182*	3	3	1171	246
MHAC220210	6	3	1171	274
MHAC220161*	5	4	829	236
MHAC220240	8	1	3261	865
MHAC220171*	14	2	1505	384
MHAC220190*	4	3	991	268
MHAC220241	10	1	2860	683
MHAC220202*	8	2	1383	368
MHAC220180*	13	3	894	215
MHAC220195*	9	3	868	206
MHAC220238	6	2	1244	315
MHAC220174*	6	3	827	196
MHAC220163*	11	3	826	183
MHAC220181*	10	3	814	192
MHAC220194*	9	1	1846	377
MHAC220220	7	1	1184	286
MHAC220200*	8	2	1049	242
MHAC220205	14	2	1043	243
MHAC220236	4	2	1042	259
MHAC220170*	9	1	1028	255
MHAC220189*	4	2	1018	260

* indicates drillhole for which results have previously been reported

These results continue to support the REE prospectivity of EL007647 and are expected to form the basis for a significant maiden JORC compliant resource, planned to be released in Q1 2023.

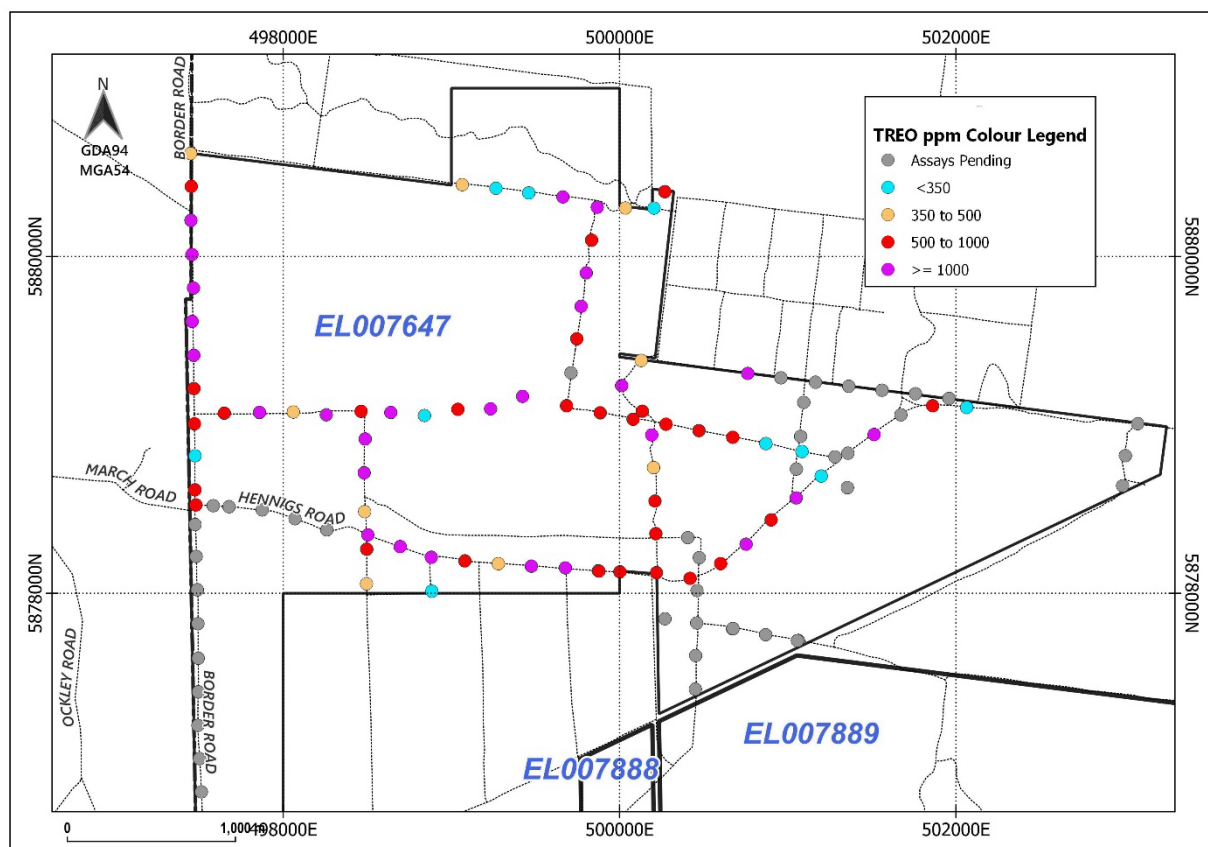


Figure 1: Plan view showing location of mineralised drill holes on EL007647, coloured by maximum TREO grade intercepted. Resource Base, 28 October 2022.

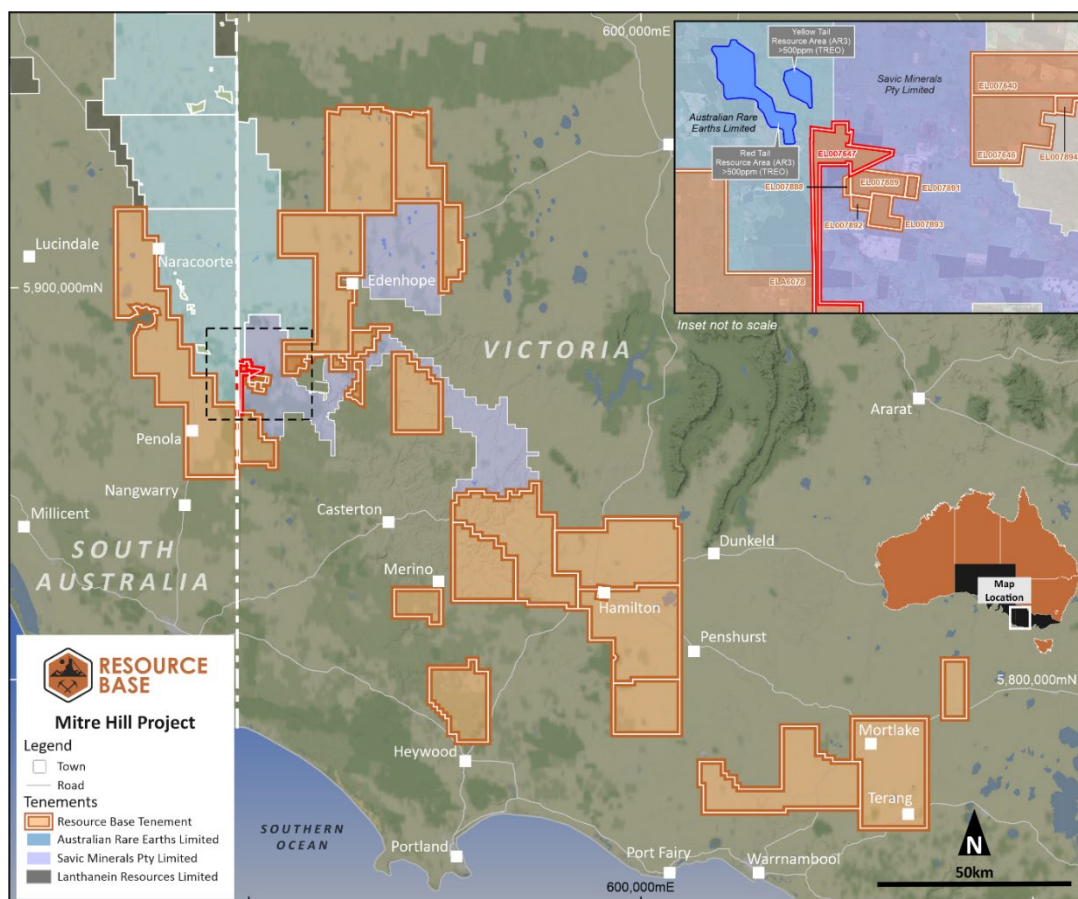


Figure 2: EL007647 Tenement Location. Resource Base, 23 August 2022.

The Murray Basin

The Company believes the Murray Basin has the potential to be a globally significant REE precinct.

Drilling results have confirmed the occurrence of shallow mineralisation, across the two drilled tenements of the Mitre Hill Project, this occurrence is aligned with a horizontal development strategy, i.e. large scale landholding. In line with this horizontal development strategy the Company has expanded its footprint within the region with a view to develop a globally significant, long-life rare earths business at its 100% owned Mitre Hill Project.

The Company continues to test its geological hypothesis and rapidly expand the footprint of mineralisation across its tenement package.

Near Term Drilling Activity

Air core drilling continues on our high priority tenement EL007647, refer figure 2 above, located closely to and along strike from AR3's Red Tail and Yellow Tail JORC compliant clay hosted REE resources.

Land access activities focus on EL007640 to allow for rapid expansion of the EL007646 mineralisation to the North after the Spring rain season.



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- ENDS -

This announcement has been authorised by the Board of Resource Base Limited.

For further information please visit our website – www.resourcebase.com.au



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About Resource Base (ASX: RBX)

Resource Base Limited (ASX: RBX) is a strategic metals explorer targeting clay hosted REE and VHMS in Victoria and South Australia. The Company's flagship project is the **Mitre Hill Project** in South Australia's premier rare earth elements (REE) district. Mitre Hill is a clay hosted REE project with a footprint of 7,022km² (provided all applications are granted). The Mitre Hill Project holds the largest land position in the southern margin of the Murray Basin an emerging globally significant clay hosted Rare Earth precinct.



Regional Location of Mitre Hill Project Tenements, Resource Base 28 October 2022

The **Black Range Project** (619km²) in Victoria's premier porphyry and VHMS target district, the Mount Stavelly Volcanic Complex (MSVC) in Western Victoria, captures three fault-bound segments of the MSVC volcanics with a combined strike length of approximately 55kms. The Project includes the advanced Eclipse prospect, which is prospective for copper, gold and zinc. The project consists of one (1) granted tenement and one (1) application in Victoria.



About Resource Base

Resource Base (ASX: RBX) is a battery metals explorer targeting clay Rare Earths and VHMS in Victoria and South Australia.



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Forward Looking Statements

Information included in this release constitutes forward-looking statements. Often, but not always, forward looking statements can generally be identified by the use of forward-looking words such as “may”, “will”, “expect”, “intend”, “plan”, “estimate”, “anticipate”, “continue”, and “guidance”, or other similar words and may include, without limitation, statements regarding plans, strategies and objectives of management, anticipated production or construction commencement dates and expected costs or production outputs.

Forward looking statements inherently involve known and unknown risks, uncertainties and other factors that may cause the Company’s actual results, performance, and achievements to differ materially from any future results, performance, or achievements. Relevant factors may include, but are not limited to, changes in commodity prices, foreign exchange fluctuations and general economic conditions, increased costs and demand for production inputs, the speculative nature of exploration and project development, including the risks of obtaining necessary licenses and permits and diminishing quantities or grades of reserves, political and social risks, changes to the regulatory framework within which the company operates or may in the future operate, environmental conditions including extreme weather conditions, recruitment and retention of personnel, industrial relations issues and litigation.

Forward looking statements are based on the Company and its management’s good faith assumptions relating to the financial, market, regulatory and other relevant environments that will exist and affect the Company’s business and operations in the future. The Company does not give any assurance that the assumptions on which forward looking statements are based will prove to be correct, or that the Company’s business or operations will not be affected in any material manner by these or other factors not foreseen or foreseeable by the Company or management or beyond the Company’s control.

Although the Company attempts and has attempted to identify factors that would cause actual actions, events, or results to differ materially from those disclosed in forward looking statements, there may be other factors that could cause actual results, performance, achievements, or events not to be as anticipated, estimated or intended, and many events are beyond the reasonable control of the Company. Accordingly, readers are cautioned not to place undue reliance on forward looking statements. Forward looking statements in these materials speak only at the date of issue. Subject to any continuing obligations under applicable law or any relevant stock exchange listing rules, in providing this information the company does not undertake any obligation to publicly update or revise any of the forward-looking statements or to advise of any change in events, conditions or circumstances on which any such statement is based.

Competent Person Statement

The information in this report which relates to Exploration Results is based on, and fairly represents, information compiled by Mr Ian Cameron. Mr Cameron is a Member of the Australian Institute of Geoscientists (AIG) and an employee of the Company. Mr Cameron has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’ (the JORC Code). Mr Cameron consents to the inclusion in this report of the matters based on his information in the form and context in which it appears. Mr Cameron does not hold securities in the Company.

The Company first released the exploration results relating to Mitre Hill Project tenement EL007646 on 18 May 2022 and further results were released on 23 August 2022. The Company first released the exploration results relating to Mitre Hill Project tenement EL007647 on 10 October 2022, and further results were release on 24 October 2022. The Company confirms that it is not aware of any new information or data that materially affects the information in the relevant market announcement.



Tenements

Mitre Hill

Victoria Tenements	Tenement Size (km ²)	Application Date	Date Granted
EL007640	490	23 July 2021	17 June 2022
EL007641	103	11 June 2021	17 June 2022
EL007646	28	22 June 2021	8 November 2021
EL007647	30	11 June 2021	17 June 2022
EL007888	6	2 March 2022	
EL007889	15	2 March 2022	
EL007891	6	2 March 2022	
EL007892	4	2 March 2022	
EL007893	9	2 March 2022	
EL007894	6	2 March 2022	
EL007895	13	2 March 2022	
EL007896	24	2 March 2022	
EL007897	44	2 March 2022	
EL007898	204	2 March 2022	
EL007899	353	2 March 2022	
EL007900	456	2 March 2022	
EL007982	500	21 July 2022	
EL007983	499	14 July 2022	
EL007984	233	14 July 2022	
EL007985	500	14 July 2022	
EL007986	498	14 July 2022	
EL007989	492	28 July 2022	
EL007990	257	28 July 2022	
EL007991	90	28 July 2022	
EL007992	242	28 July 2022	
EL007995	90	28 July 2022	
EL007993	439	11 August 2022	
EL007994	498	11 August 2022	
EL008002	84	11 August 2022	
Total	6,213		

Mitre Hill

South Australia Tenements	Tenement Size (km ²)	Application Date	Date Granted
EL6708	809	28 May 2021	1 April 2022

Black Range

Victoria Tenements	Tenement Size (km ²)	Application Date	Date Granted
EL4590	124		14 February 2017
EL007999	495	28 July 2022	
Total	619		



Annexure A: Drillhole Collars

Table 2: Mitre Hill Project Drillhole Information (MGA54)

HoleID	Type	East	North	RL	Az	Dip	TDepth (m)	Tenement
MHAC220001	AC	514748	5880808	145.4	0	-90	21	EL007646
MHAC220002	AC	514243	5880866	134.1	0	-90	24	EL007646
MHAC220003	AC	513741	5880925	134.2	0	-90	15	EL007646
MHAC220004	AC	509019	5881278	133.6	0	-90	21	EL007646
MHAC220005	AC	509174	5880859	133.3	0	-90	12	EL007646
MHAC220006	AC	509351	5880388	130.7	0	-90	12	EL007646
MHAC220007	AC	509531	5879924	127.9	0	-90	12	EL007646
MHAC220008	AC	509702	5879455	126.2	0	-90	12	EL007646
MHAC220009	AC	509882	5878985	125.2	0	-90	12	EL007646
MHAC220010	AC	510036	5878581	126.1	0	-90	12	EL007646
MHAC220011	AC	509030	5878266	132.2	0	-90	12	EL007646
MHAC220012	AC	509564	5878197	129.2	0	-90	12	EL007646
MHAC220013	AC	510608	5878057	128.8	0	-90	9	EL007646
MHAC220014	AC	510979	5878016	130.1	0	-90	12	EL007646
MHAC220015	AC	510860	5878530	129.4	0	-90	9	EL007646
MHAC220016	AC	510959	5879530	126.1	0	-90	9	EL007646
MHAC220017	AC	511032	5880357	129.6	0	-90	9	EL007646
MHAC220018	AC	511455	5881121	129.7	0	-90	9	EL007646
MHAC220019	AC	511639	5881270	130.5	0	-90	12	EL007646
MHAC220020	AC	511918	5881168	130.2	0	-90	12	EL007646
MHAC220021	AC	513240	5880991	132.1	0	-90	15	EL007646
MHAC220022	AC	512758	5881050	134.7	0	-90	12	EL007646
MHAC220023	AC	512264	5881112	130.6	0	-90	15	EL007646
MHAC220024	AC	511297	5882999	136.8	0	-90	15	EL007646
MHAC220025	AC	511350	5882761	135.4	0	-90	15	EL007646
MHAC220026	AC	511397	5882421	132.7	0	-90	15	EL007646
MHAC220027	AC	511458	5882154	131.6	0	-90	15	EL007646
MHAC220028	AC	511506	5881903	130.7	0	-90	15	EL007646
MHAC220029	AC	510485	5881337	129.2	0	-90	15	EL007646
MHAC220030	AC	510235	5881369	129.7	0	-90	15	EL007646
MHAC220031	AC	509991	5881401	130.4	0	-90	15	EL007646
MHAC220032	AC	509747	5881431	131.1	0	-90	15	EL007646
MHAC220033	AC	509496	5881459	131.7	0	-90	15	EL007646
MHAC220034	AC	509246	5881502	132.5	0	-90	15	EL007646
MHAC220035	AC	510199	5881401	129.9	0	-90	9	EL007646
MHAC220036	AC	510298	5881401	129.6	0	-90	9	EL007646
MHAC220037	AC	510402	5881400	129.1	0	-90	8	EL007646
MHAC220038	AC	510500	5881401	129.1	0	-90	12	EL007646
MHAC220039	AC	510400	5881598	129.3	0	-90	9	EL007646
MHAC220040	AC	510300	5881598	129.7	0	-90	9	EL007646



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MHAC220041	AC	510200	5881599	130.1	0	-90	9	EL007646
MHAC220042	AC	510101	5881601	130.3	0	-90	8	EL007646
MHAC220043	AC	510000	5881600	130.6	0	-90	9	EL007646
MHAC220044	AC	509898	5881600	130.8	0	-90	9	EL007646
MHAC220045	AC	509799	5881600	131.1	0	-90	9	EL007646
MHAC220046	AC	509701	5881599	131.2	0	-90	8	EL007646
MHAC220047	AC	509600	5881600	131.3	0	-90	8	EL007646
MHAC220048	AC	509500	5881598	131.5	0	-90	8	EL007646
MHAC220049	AC	509400	5881600	131.8	0	-90	8.5	EL007646
MHAC220050	AC	509301	5881798	132.5	0	-90	8.5	EL007646
MHAC220051	AC	509399	5881798	132.1	0	-90	11.5	EL007646
MHAC220052	AC	509500	5881799	131.7	0	-90	11.5	EL007646
MHAC220053	AC	509600	5881799	131.5	0	-90	8.5	EL007646
MHAC220054	AC	509700	5881799	131.3	0	-90	8	EL007646
MHAC220055	AC	509801	5881801	131	0	-90	8.5	EL007646
MHAC220056	AC	509900	5881999	130.8	0	-90	11	EL007646
MHAC220057	AC	509799	5882000	131.1	0	-90	9	EL007646
MHAC220058	AC	509701	5881998	131.3	0	-90	8.5	EL007646
MHAC220059	AC	509600	5881999	131.7	0	-90	8.5	EL007646
MHAC220060	AC	509500	5881999	131.9	0	-90	11.5	EL007646
MHAC220061	AC	509399	5882003	132.3	0	-90	11.5	EL007646
MHAC220062	AC	509396	5882196	132.3	0	-90	11.5	EL007646
MHAC220063	AC	509500	5882197	132	0	-90	11.5	EL007646
MHAC220064	AC	509600	5882198	131.6	0	-90	11.5	EL007646
MHAC220065	AC	509699	5882198	131.4	0	-90	11.5	EL007646
MHAC220066	AC	509798	5882197	131.1	0	-90	11.5	EL007646
MHAC220067	AC	509900	5882199	130.9	0	-90	11.5	EL007646
MHAC220068	AC	509300	5882196	132.4	0	-90	11.5	EL007646
MHAC220069	AC	509202	5882195	132.4	0	-90	11.5	EL007646
MHAC220070	AC	509101	5882194	132.4	0	-90	11.5	EL007646
MHAC220071	AC	509099	5882398	132	0	-90	9.5	EL007646
MHAC220072	AC	509000	5882398	132.8	0	-90	11.5	EL007646
MHAC220073	AC	508999	5882192	133.2	0	-90	11.5	EL007646
MHAC220074	AC	509000	5881995	133.8	0	-90	11.5	EL007646
MHAC220075	AC	509099	5881995	132.8	0	-90	11.5	EL007646
MHAC220076	AC	509199	5881997	132.6	0	-90	11.5	EL007646
MHAC220077	AC	509300	5881996	132.5	0	-90	11.5	EL007646
MHAC220078	AC	509200	5881796	132.8	0	-90	11.5	EL007646
MHAC220079	AC	509100	5881798	133.1	0	-90	11.5	EL007646
MHAC220080	AC	509000	5881798	133.9	0	-90	11.5	EL007646
MHAC220081	AC	509899	5881799	130.8	0	-90	11.5	EL007646
MHAC220082	AC	510000	5881799	130.6	0	-90	8.5	EL007646
MHAC220083	AC	510100	5881800	130.3	0	-90	8.5	EL007646
MHAC220084	AC	510199	5881799	130.1	0	-90	8.5	EL007646
MHAC220085	AC	510299	5881798	129.8	0	-90	8.5	EL007646



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MHAC220086	AC	510301	5881999	130	0	-90	8.5	EL007646
MHAC220087	AC	510200	5881999	130.2	0	-90	8.5	EL007646
MHAC220088	AC	510100	5881999	130.4	0	-90	8.5	EL007646
MHAC220089	AC	509999	5881998	130.6	0	-90	11.5	EL007646
MHAC220090	AC	509999	5882199	130.5	0	-90	11.5	EL007646
MHAC220091	AC	510101	5882201	130.3	0	-90	11.5	EL007646
MHAC220092	AC	510200	5882201	129.6	0	-90	11.5	EL007646
MHAC220093	AC	510201	5882402	130.5	0	-90	11.5	EL007646
MHAC220094	AC	510099	5882400	130.6	0	-90	11.5	EL007646
MHAC220095	AC	509999	5882400	130.7	0	-90	11.5	EL007646
MHAC220096	AC	510001	5882599	130.6	0	-90	11.5	EL007646
MHAC220097	AC	509897	5882600	130.6	0	-90	11.5	EL007646
MHAC220098	AC	509803	5882595	130.8	0	-90	11.5	EL007646
MHAC220099	AC	509699	5882600	130.9	0	-90	11.5	EL007646
MHAC220100	AC	509602	5882597	130.9	0	-90	11.5	EL007646
MHAC220101	AC	509599	5882799	131.4	0	-90	11.5	EL007646
MHAC220102	AC	509690	5882802	131.5	0	-90	11.5	EL007646
MHAC220103	AC	509796	5882802	131.1	0	-90	11.5	EL007646
MHAC220104	AC	509901	5882800	130.9	0	-90	11.5	EL007646
MHAC220105	AC	509903	5883003	131.3	0	-90	11.5	EL007646
MHAC220106	AC	509800	5883003	132	0	-90	11.5	EL007646
MHAC220107	AC	509701	5882999	132.9	0	-90	11.5	EL007646
MHAC220108	AC	509600	5882999	134.3	0	-90	11.5	EL007646
MHAC220109	AC	509503	5882802	130.2	0	-90	11.5	EL007646
MHAC220110	AC	509501	5883000	133.7	0	-90	14.5	EL007646
MHAC220111	AC	509036	5882800	135.3	0	-90	11.5	EL007646
MHAC220112	AC	509100	5882802	135	0	-90	11.5	EL007646
MHAC220113	AC	509101	5882998	135.4	0	-90	14.5	EL007646
MHAC220114	AC	509199	5883000	134.1	0	-90	11.5	EL007646
MHAC220115	AC	509300	5882999	132.9	0	-90	11.5	EL007646
MHAC220116	AC	509401	5882999	132.7	0	-90	11.5	EL007646
MHAC220117	AC	509702	5882403	130.9	0	-90	8.5	EL007646
MHAC220118	AC	509802	5882402	130.9	0	-90	11	EL007646
MHAC220119	AC	509902	5882403	130.8	0	-90	11.5	EL007646
MHAC220120	AC	510100	5882608	130.6	0	-90	11.5	EL007646
MHAC220121	AC	510200	5882601	130.6	0	-90	11.5	EL007646
MHAC220122	AC	510000	5882803	130.5	0	-90	14.5	EL007646
MHAC220123	AC	509999	5883002	130.9	0	-90	9	EL007646
MHAC220124	AC	511200	5883000	135.9	0	-90	11.5	EL007646
MHAC220125	AC	511096	5883000	135	0	-90	11.5	EL007646
MHAC220126	AC	511001	5883001	134.1	0	-90	11.5	EL007646
MHAC220127	AC	510900	5883000	132.9	0	-90	11.5	EL007646
MHAC220128	AC	510800	5883000	131.9	0	-90	11.5	EL007646
MHAC220129	AC	510700	5882999	131.2	0	-90	11.5	EL007646
MHAC220130	AC	510602	5883000	130.2	0	-90	11.5	EL007646



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MHAC220131	AC	510499	5882796	129.6	0	-90	11.5	EL007646
MHAC220132	AC	510500	5882599	130.5	0	-90	11.5	EL007646
MHAC220133	AC	510401	5882601	129.2	0	-90	11.5	EL007646
MHAC220134	AC	510601	5882599	130.5	0	-90	11.5	EL007646
MHAC220135	AC	510703	5882601	130.7	0	-90	11.5	EL007646
MHAC220136	AC	510803	5882602	131	0	-90	11.5	EL007646
MHAC220137	AC	510902	5882600	131.3	0	-90	14.5	EL007646
MHAC220138	AC	511004	5882601	131.9	0	-90	11.5	EL007646
MHAC220139	AC	511101	5882600	132.6	0	-90	11.5	EL007646
MHAC220140	AC	511202	5882601	133.3	0	-90	11.5	EL007646
MHAC220141	AC	511302	5882601	133.7	0	-90	11.5	EL007646
MHAC220142	AC	511298	5882800	136	0	-90	14	EL007646
MHAC220143	AC	511198	5882800	135.2	0	-90	11.5	EL007646
MHAC220144	AC	511100	5882811	134.3	0	-90	11.5	EL007646
MHAC220145	AC	510999	5882799	133.3	0	-90	11.5	EL007646
MHAC220146	AC	510896	5882798	132.2	0	-90	11.5	EL007646
MHAC220147	AC	510800	5882798	131.5	0	-90	11.5	EL007646
MHAC220148	AC	510696	5882793	131	0	-90	11.5	EL007646
MHAC220149	AC	510599	5882801	130.6	0	-90	11.5	EL007646
MHAC220150	AC	510802	5882401	130.4	0	-90	8.5	EL007646
MHAC220151	AC	510697	5882402	130.2	0	-90	11.5	EL007646
MHAC220152	AC	510597	5882392	130.1	0	-90	11.5	EL007646
MHAC220153	AC	510499	5882401	130.1	0	-90	11.5	EL007646
MHAC220154	AC	510401	5882403	130.2	0	-90	11.5	EL007646
MHAC220155	AC	510299	5882402	129	0	-90	11.5	EL007646
MHAC220156	AC	510302	5882200	128.7	0	-90	8.5	EL007646
MHAC220157	AC	510393	5882202	129.7	0	-90	8.5	EL007646
MHAC220158	AC	510504	5882204	129.7	0	-90	8.5	EL007646
MHAC220159	AC	510603	5882200	129.6	0	-90	8.5	EL007646
MHAC220160	AC	497650	5879070	117.6	0	-90	13.5	EL007647
MHAC220161	AC	497859	5879074	117.4	0	-90	11.5	EL007647
MHAC220162	AC	498061	5879077	121	0	-90	14.5	EL007647
MHAC220163	AC	498256	5879060	121.9	0	-90	16.5	EL007647
MHAC220164	AC	498463	5879080	118.3	0	-90	18.5	EL007647
MHAC220165	AC	498487	5878916	121.3	0	-90	17.5	EL007647
MHAC220166	AC	498884	5878012	119.6	0	-90	11.5	EL007647
MHAC220167	AC	498495	5878056	118	0	-90	8.5	EL007647
MHAC220168	AC	498497	5878262	121.7	0	-90	13.5	EL007647
MHAC220169	AC	498484	5878485	121.4	0	-90	8.5	EL007647
MHAC220170	AC	498481	5878715	124.9	0	-90	18.5	EL007647
MHAC220171	AC	498640	5879074	120.3	0	-90	17	EL007647
MHAC220172	AC	498840	5879056	121.9	0	-90	14.5	EL007647
MHAC220173	AC	499039	5879092	123.8	0	-90	11.5	EL007647
MHAC220174	AC	499233	5879095	122.8	0	-90	14.5	EL007647
MHAC220175	AC	499423	5879170	123.4	0	-90	13.5	EL007647



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MHAC220177	AC	497450	5880612	123.4	0	-90	20.5	EL007647
MHAC220178	AC	497454	5880417	118.1	0	-90	18	EL007647
MHAC220179	AC	497452	5880215	120.6	0	-90	17.5	EL007647
MHAC220180	AC	497458	5880012	119.3	0	-90	20.5	EL007647
MHAC220181	AC	497467	5879813	118.1	0	-90	17.5	EL007647
MHAC220182	AC	497459	5879615	114.7	0	-90	16	EL007647
MHAC220183	AC	497469	5879413	116.9	0	-90	14.5	EL007647
MHAC220184	AC	497469	5879216	119.5	0	-90	11.5	EL007647
MHAC220185	AC	497473	5879006	119.1	0	-90	8.5	EL007647
MHAC220186	AC	497476	5878816	119.1	0	-90	5.5	EL007647
MHAC220187	AC	497476	5878614	120.5	0	-90	17.5	EL007647
MHAC220188	AC	497481	5878525	122.3	0	-90	10.5	EL007647
MHAC220189	AC	498503	5878347	121.5	0	-90	11.5	EL007647
MHAC220190	AC	498695	5878277	122.2	0	-90	11.5	EL007647
MHAC220191	AC	498881	5878214	119.2	0	-90	16	EL007647
MHAC220192	AC	499080	5878192	121.7	0	-90	16.5	EL007647
MHAC220193	AC	499279	5878176	126.5	0	-90	17	EL007647
MHAC220194	AC	499475	5878161	128.5	0	-90	17	EL007647
MHAC220195	AC	499678	5878151	128.6	0	-90	14	EL007647
MHAC220196	AC	499873	5878133	128.8	0	-90	11	EL007647
MHAC220197	AC	500002	5878127	129.6	0	-90	17	EL007647
MHAC220198	AC	500419	5878088	128.3	0	-90	11	EL007647
MHAC220199	AC	500601	5878176	128.7	0	-90	14	EL007647
MHAC220200	AC	500752	5878292	129.3	0	-90	14	EL007647
MHAC220201	AC	500901	5878436	130.1	0	-90	11.5	EL007647
MHAC220202	AC	501050	5878567	129.6	0	-90	10	EL007647
MHAC220203	AC	501199	5878696	129	0	-90	14.5	EL007647
MHAC220204	AC	501354	5878628	130.3	0	-90	14	EL007647
MHAC220205	AC	501513	5878943	127.1	0	-90	21	EL007647
MHAC220206	AC	501861	5879113	125.5	0	-90	23	EL007647
MHAC220207	AC	502063	5879104	128.5	0	-90	25	EL007647
MHAC220208	AC	503080	5879007	147.4	0	-90	21.5	EL007647
MHAC220209	AC	503007	5878817	146	0	-90	20	EL007647
MHAC220210	AC	499867	5880293	125.1	0	-90	14.5	EL007647
MHAC220211	AC	500204	5880288	127.5	0	-90	14.5	EL007647
MHAC220212	AC	500315	5880265	130.1	0	-90	14	EL007647
MHAC220213	AC	500269	5880385	128.1	0	-90	16	EL007647
MHAC220214	AC	500034	5880288	125	0	-90	15.5	EL007647
MHAC220215	AC	499663	5880354	123.7	0	-90	13	EL007647
MHAC220216	AC	499460	5880378	123.8	0	-90	17	EL007647
MHAC220217	AC	499264	5880405	125.1	0	-90	6	EL007647
MHAC220218	AC	499064	5880427	126	0	-90	8.5	EL007647
MHAC220219	AC	499833	5880097	124.5	0	-90	11.5	EL007647
MHAC220220	AC	499802	5879903	123.9	0	-90	10	EL007647
MHAC220221	AC	499772	5879705	125.1	0	-90	10.5	EL007647



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MHAC220222	AC	499746	5879511	126.1	0	-90	17.5	EL007647
MHAC220223	AC	499711	5879309	125.7	0	-90	18	EL007647
MHAC220224	AC	499685	5879114	124.4	0	-90	17.5	EL007647
MHAC220225	AC	499885	5879072	126.2	0	-90	11.5	EL007647
MHAC220226	AC	500080	5879033	126.2	0	-90	7	EL007647
MHAC220227	AC	500276	5879004	126.2	0	-90	7.5	EL007647
MHAC220228	AC	500471	5878966	126.7	0	-90	9	EL007647
MHAC220229	AC	500672	5878926	127.1	0	-90	10.5	EL007647
MHAC220230	AC	500870	5878889	127.3	0	-90	17	EL007647
MHAC220231	AC	501084	5878842	127.6	0	-90	14	EL007647
MHAC220232	AC	500220	5878122	126.3	0	-90	15	EL007647
MHAC220233	AC	500215	5878354	126.4	0	-90	11.5	EL007647
MHAC220234	AC	500210	5878548	126.5	0	-90	7.5	EL007647
MHAC220235	AC	500202	5878746	126.4	0	-90	8.5	EL007647
MHAC220236	AC	500191	5878941	126.3	0	-90	6	EL007647
MHAC220237	AC	500135	5879081	126.1	0	-90	5	EL007647
MHAC220238	AC	500012	5879234	126.5	0	-90	9	EL007647
MHAC220239	AC	500129	5879383	127.2	0	-90	11.5	EL007647
MHAC220240	AC	500363	5879355	129.1	0	-90	10	EL007647
MHAC220241	AC	500561	5879330	128.5	0	-90	15	EL007647
MHAC220242	AC	500761	5879306	128.1	0	-90	14.5	EL007647
MHAC220243	AC	500959	5879280	129.2	0	-90	11.5	EL007647
MHAC220244	AC	501165	5879253	126.9	0	-90	17.5	EL007647
MHAC220245	AC	501362	5879229	126.4	0	-90	21	EL007647
MHAC220246	AC	501560	5879206	127	0	-90	19	EL007647
MHAC220247	AC	501759	5879185	129.3	0	-90	22	EL007647
MHAC220248	AC	501958	5879157	128.6	0	-90	24	EL007647
MHAC220249	AC	500460	5878016	129	0	-90	9	EL007647
MHAC220250	AC	500458	5877823	127.6	0	-90	20.5	EL007647
MHAC220251	AC	500270	5877848	127.3	0	-90	11	EL007647
MHAC220252	AC	500671	5877789	129.5	0	-90	10.5	EL007647
MHAC220253	AC	500868	5877754	131.7	0	-90	11.5	EL007647
MHAC220254	AC	501063	5877720	133.6	0	-90	10.5	EL007647
MHAC220255	AC	500452	5877630	128.4	0	-90	15.5	EL007647
MHAC220256	AC	500450	5877430	129.6	0	-90	14.5	EL007647
MHAC220257	AC	497475	5876413	113.9	0	-90	2	EL007647
MHAC220258	AC	502990	5878638	143.7	0	-90	19	EL007647
MHAC220259	AC	501672	5879060	125.7	0	-90	20.5	EL007647
MHAC220260	AC	501095	5879134	126	0	-90	14.5	EL007647
MHAC220261	AC	501076	5878932	127.3	0	-90	23	EL007647
MHAC220262	AC	501051	5878738	128.2	0	-90	22.5	EL007647
MHAC220263	AC	500405	5878330	127.3	0	-90	12	EL007647
MHAC220264	AC	500474	5878212	128.1	0	-90	7	EL007647
MHAC220265	AC	497584	5878520	121	0	-90	23	EL007647
MHAC220266	AC	497678	5878514	120	0	-90	13.5	EL007647



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MHAC220267	AC	497875	5878495	118.3	0	-90	15	EL007647
MHAC220268	AC	498070	5878443	122.5	0	-90	21.5	EL007647
MHAC220269	AC	498260	5878376	123.4	0	-90	23.5	EL007647
MHAC220270	AC	501280	5878810	128.4	0	-90	22.5	EL007647
MHAC220271	AC	497476	5878408	122.7	0	-90	19	EL007647
MHAC220272	AC	497483	5878219	117.7	0	-90	16	EL007647
MHAC220273	AC	497490	5878021	115.6	0	-90	16	EL007647
MHAC220274	AC	497493	5877819	116.7	0	-90	9	EL007647
MHAC220275	AC	497495	5877614	117	0	-90	11	EL007647
MHAC220276	AC	497496	5877414	116.4	0	-90	17.5	EL007647
MHAC220277	AC	497493	5877215	116.4	0	-90	9	EL007647
MHAC220278	AC	497503	5877018	118.4	0	-90	8.5	EL007647
MHAC220279	AC	497514	5876820	115.1	0	-90	13.5	EL007647
MHAC220280	AC	497520	5876620	114.6	0	-90	7.5	EL007647
MHAC220281	AC	497520	5876437	114	0	-90	11.5	EL007647
MHAC220282	AC	497509	5876222	113.8	0	-90	9	EL007647
MHAC220283	AC	497523	5876016	113.4	0	-90	6	EL007647
MHAC220284	AC	497527	5875817	111.1	0	-90	17	EL007647
MHAC220285	AC	497525	5875618	111.5	0	-90	13.5	EL007647
MHAC220286	AC	497533	5875420	114.7	0	-90	8	EL007647
MHAC220287	AC	497545	5875219	112.8	0	-90	9	EL007647
MHAC220288	AC	497747	5875114	119.4	0	-90	8.5	EL007647
MHAC220289	AC	497948	5875113	120.2	0	-90	16	EL007647
MHAC220290	AC	499877	5878132	129.3	0	-90	17.5	EL007647
MHAC220291	AC	501357	5878832	128.1	0	-90	20.5	EL007647
MHAC220292	AC	500674	5877790	129.3	0	-90	13	EL007647
MHAC220293	AC	501057	5877718	133.6	0	-90	16.5	EL007647

Table 3: Mitre Hill Project Air-Core Drilling Intercepts >350ppm TREO using 350ppm lower cut-off and max 1m internal dilution

HoleID	From(m)	Thickness(m)	TREO (ppm)	MREO (ppm)	MREO %
MHAC220002	11	1	638	150	24%
MHAC220004	5	1	849	200	24%
MHAC220005	6	1	948	247	26%
MHAC220006	5	2	773	193	25%
MHAC220007	3	1	511	117	23%
MHAC220009	5	1	752	187	25%
MHAC220010	1	1	389	80	20%
MHAC220011	6	1	471	103	22%
MHAC220012	5	1	551	108	20%
MHAC220013	2	1	622	146	23%
MHAC220014	4	2	618	140	23%
MHAC220016	2	1	437	89	20%
MHAC220018	5	1	583	129	22%



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MHAC220019	5	2	510	118	23%
MHAC220020	5	1	613	121	20%
MHAC220022	6	2	576	126	22%
MHAC220023	3	4	444	95	21%
MHAC220024	9	1	580	137	24%
MHAC220025	9	1	496	120	24%
MHAC220026	8	2	438	96	22%
MHAC220027	7	1	450	99	22%
MHAC220028	4	3	473	105	22%
MHAC220029	4	2	729	151	21%
MHAC220030	2	2	678	148	22%
MHAC220031	3	1	357	91	25%
MHAC220032	3	2	889	204	23%
MHAC220033	3	1	535	120	22%
MHAC220034	4	2	787	180	23%
MHAC220035	4	2	440	94	21%
MHAC220037	3	2	668	153	23%
MHAC220038	4	2	680	165	24%
MHAC220039	3	2	618	137	22%
MHAC220040	4	1	464	121	26%
MHAC220041	4	1	515	120	23%
MHAC220042	4	1	500	100	20%
MHAC220043	4	1	387	81	21%
MHAC220044	3	1	377	84	22%
MHAC220045	4	1	612	139	23%
MHAC220046	5	1	548	114	21%
MHAC220047	4	2	421	90	21%
MHAC220048	3	2	645	168	26%
MHAC220049	3	2	520	113	22%
MHAC220050	5	2	499	116	23%
MHAC220051	5	2	537	124	23%
MHAC220052	6	1	390	86	22%
MHAC220053	5	1	552	121	22%
MHAC220054	4	2	543	125	23%
MHAC220055	3	2	548	129	23%
MHAC220056	6	1	376	84	22%
MHAC220057	5	1	417	104	25%
MHAC220060	6	1	1028	250	24%
MHAC220061	7	1	1134	281	25%
MHAC220063	6	1	442	69	16%
MHAC220064	6	1	391	85	22%
MHAC220065	6	1	515	111	21%
MHAC220066	5	2	449	100	22%
MHAC220067	6	1	454	95	21%
MHAC220068	8	1	600	150	25%



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MHAC220069	7	1	353	88	25%
MHAC220070	7	1	561	120	21%
MHAC220071	6	1	470	108	23%
MHAC220072	6	2	659	136	21%
MHAC220073	7	2	655	143	22%
MHAC220074	8	2	505	111	22%
MHAC220075	6	2	660	152	23%
MHAC220076	8	1	1071	269	25%
MHAC220077	7	2	728	163	22%
MHAC220078	6	1	378	87	23%
MHAC220079	7	1	429	107	25%
MHAC220080	8	1	466	99	21%
MHAC220081	7	2	510	113	22%
MHAC220082	4	2	821	211	26%
MHAC220083	4	1	392	87	22%
MHAC220084	3	1	514	67	13%
MHAC220085	4	2	418	98	23%
MHAC220086	4	1	557	120	22%
MHAC220087	3	3	508	107	21%
MHAC220088	3	3	470	107	23%
MHAC220089	5	2	918	231	25%
MHAC220090	6	1	377	80	21%
MHAC220091	4	2	601	151	25%
MHAC220092	5	1	744	152	20%
MHAC220093	3	5	609	140	23%
MHAC220094	7	1	1553	323	21%
MHAC220095	6	2	594	145	24%
MHAC220096	7	1	508	119	23%
MHAC220097	7	1	816	204	25%
MHAC220098	6	2	646	141	22%
MHAC220099	7	1	947	236	25%
MHAC220100	7	1	851	206	24%
MHAC220101	7	2	523	123	24%
MHAC220102	8	1	499	101	20%
MHAC220103	7	1	643	155	24%
MHAC220104	8	1	376	83	22%
MHAC220105	7	1	363	81	22%
MHAC220106	8	1	374	81	22%
MHAC220107	7	2	365	81	22%
MHAC220108	7	2	462	102	22%
MHAC220109	7	1	1059	255	24%
MHAC220110	8	1	382	81	21%
MHAC220111	7	1	1141	242	21%
MHAC220112	6	1	365	90	25%
MHAC220113	9	1	619	138	22%



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MHAC220115	8	1	666	155	23%
MHAC220116	8	1	531	112	21%
MHAC220117	6	1	638	163	26%
MHAC220118	6	1	632	159	25%
MHAC220119	6	1	410	101	25%
MHAC220120	5	3	461	103	22%
MHAC220121	5	3	471	115	24%
MHAC220123	7	1	854	206	24%
MHAC220124	7	3	384	84	22%
MHAC220125	8	1	603	135	22%
MHAC220128	7	1	490	100	20%
MHAC220129	6	1	362	80	22%
MHAC220130	7	2	477	103	22%
MHAC220131	6	1	394	99	25%
MHAC220133	6	1	554	132	24%
MHAC220134	6	2	598	130	22%
MHAC220135	6	3	523	130	25%
MHAC220136	9	1	839	204	24%
MHAC220137	7	2	415	99	24%
MHAC220138	7	1	377	96	25%
MHAC220141	8	3	436	95	22%
MHAC220142	9	1	778	179	23%
MHAC220144	9	1	813	188	23%
MHAC220145	8	1	652	152	23%
MHAC220146	8	1	352	84	24%
MHAC220148	7	1	465	106	23%
MHAC220149	6	2	385	90	23%
MHAC220150	5	2	638	152	24%
MHAC220151	7	1	431	120	28%
MHAC220152	5	2	504	110	22%
MHAC220153	5	2	476	119	25%
MHAC220154	5	3	546	106	19%
MHAC220155	4	2	668	131	20%
MHAC220156	3	2	645	147	23%
MHAC220157	3	2	520	112	22%
MHAC220158	4	1	510	129	25%
MHAC220159	4	2	565	138	24%
MHAC220160	1	3	483	105	22%
MHAC220160	7	1	378	88	23%
MHAC220161	4	7	640	182	28%
MHAC220162	11	1	374	88	24%
MHAC220163	9	6	619	141	23%
MHAC220164	13	3	640	169	26%
MHAC220165	12	5	1106	305	28%
MHAC220167	0	2	471	123	26%



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MHAC220167	4	1	392	81	21%
MHAC220168	4	2	582	146	25%
MHAC220169	3	2	438	97	22%
MHAC220170	9	4	649	153	24%
MHAC220171	14	2	1505	384	26%
MHAC220173	5	2	660	152	23%
MHAC220174	6	3	827	196	24%
MHAC220175	8	3	689	156	23%
MHAC220177	16	1	362	74	20%
MHAC220178	9	5	452	103	23%
MHAC220179	9	5	760	203	27%
MHAC220180	13	3	894	215	24%
MHAC220181	9	4	706	165	23%
MHAC220182	3	3	1171	246	21%
MHAC220183	9	3	742	172	23%
MHAC220184	2	1	610	125	20%
MHAC220184	6	1	405	83	20%
MHAC220184	9	1	353	80	23%
MHAC220185	2	1	646	144	22%
MHAC220187	9	3	524	109	21%
MHAC220187	14	3	525	115	22%
MHAC220188	1	2	836	194	23%
MHAC220189	4	2	1018	260	26%
MHAC220190	4	3	991	268	27%
MHAC220191	7	5	607	146	24%
MHAC220192	11	2	494	120	24%
MHAC220193	10	2	404	95	23%
MHAC220194	9	1	1846	377	20%
MHAC220195	8	4	748	176	23%
MHAC220197	9	2	552	136	25%
MHAC220198	7	2	635	155	24%
MHAC220199	12	1	823	205	25%
MHAC220200	8	4	689	158	23%
MHAC220201	7	2	719	159	22%
MHAC220202	8	2	1383	368	27%
MHAC220205	14	2	1043	243	23%
MHAC220206	20	2	817	199	24%
MHAC220210	6	3	1171	274	23%
MHAC220212	11	3	1585	358	23%
MHAC220213	12	3	501	118	23%
MHAC220214	11	1	443	98	22%
MHAC220215	6	3	1548	437	28%
MHAC220218	6	2	481	105	22%
MHAC220219	7	2	798	182	23%
MHAC220220	7	1	1184	286	24%



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MHAC220221	7	3.5	1074	272	25%
MHAC220222	11	4	540	124	23%
MHAC220224	14	3	503	117	23%
MHAC220225	7	2	711	186	26%
MHAC220226	5	2	544	129	24%
MHAC220227	5	2	801	202	25%
MHAC220228	6	2	959	224	23%
MHAC220229	7	3.5	582	135	23%
MHAC220232	8	2	484	102	21%
MHAC220233	8	2	648	161	25%
MHAC220234	5	2	488	108	22%
MHAC220236	4	2	1042	259	25%
MHAC220237	3	2	514	122	24%
MHAC220238	6	2	1244	315	25%
MHAC220239	10	1	461	110	24%
MHAC220240	8	1	3261	865	27%
MHAC220241	10	1	2860	683	24%
MHAC220242	8	3	1224	287	23%
MHAC220290	12	2	614	145	24%



Annexure B: JORC Code, 2012 Edition – Table 1 report template

Section 1 Sampling Techniques and Data

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

Criteria	Commentary
<i>Sampling techniques</i>	• Air-core drilling • Sampling at 1m intervals off rig • c. 2kg was taken from each meter sample to produce a 2g charge for analysis using a Lithium Borate Fusion & ICP Multiple elements including REE
<i>Drilling techniques</i>	• Reverse circulation air-core drilling • NQ size
<i>Drill sample recovery</i>	• Recoveries logged based on visual estimate of percentage of expected sample volume in 25% gradations from 0% to 100%. • Wetness of sample is recorded as dry, damp or wet • Contamination is recorded on visual basis as hi, low or no contamination based on likelihood of contamination with adjoining sampling intervals due to high level of water or inaccurate sampling boundary. • No attempt has been made to assess potential bias due to sample size fraction loss/gain
<i>Logging</i>	• Geological log entire drillhole on meter by meter or interval basis as appropriate • Geological boundaries based on 1m sample boundaries • Data recorded to digital platform onsite • Core-yard logging as required
<i>Sub-sampling techniques and sample preparation</i>	• Scoop spear sampling from 1m rig samples for assay and storage • Field duplicate taken for every meter sample • pXRF sample taken as scoop sample from the 1m sample in warehouse • Lab assay samples determined on basis of XRF results • Sampling techniques are appropriate for the reconnaissance nature of the drilling programs
<i>Quality of assay data and laboratory tests</i>	• An aliquot of sample is accurately weighed and fused with lithium metaborate at high temperature in a Pt crucible. The fused glass is then digested in nitric acid. This process provides complete dissolution of most minerals including silicates. Volatile elements are lost at the high fusion temperatures. In some cases, elements are reported as oxides. (Nature of the sample may compromise detection limits) • Certified OREAS REE QA/QC standards of various concentrations were inserted at ratio of 1:20. • Blank samples were inserted at ratio of 1:40. • Field duplicates submitted for lab analysis at 1:20 ratio • Geochemical database is managed by dedicated external third party - Geobase Australia Pty Ltd
<i>Verification of sampling and assaying</i>	• Geological and sampling data is logged into Excel based templates using a auto-validated library structure • Excel data is verified and uploaded to the appropriate project database by the Company's dedicated database management external consultants – Geobase Australia Pty Ltd



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Criteria	Commentary
	• Assay results are reported directly to the Exploration Manager and database manager • Assay data is imported in digital format into the project database • Sampling and assay data is checked to ensure that all intervals are matched to correct drilling interval with no unexpected gaps, overlaps or duplication. • QA/QC results are checked to ensure that values are within accepted industry standard tolerances and reported by the database manager. • Oxide values for REE are calculated within the exploration database from the laboratory reported elemental concentrations using standard stoichiometric conversion factors. • TREO (Total Rare Earth Oxides) value is calculated within the exploration database using the elemental oxide values as follows; $\text{TREO} = \text{La}_2\text{O}_3 + \text{CeO}_2 + \text{Pr}_6\text{O}_{11} + \text{Sm}_2\text{O}_3 + \text{Nd}_2\text{O}_3 + \text{Eu}_2\text{O}_3 + \text{Gd}_2\text{O}_3 + \text{Tb}_4\text{O}_7 + \text{Dy}_2\text{O}_3 + \text{Ho}_2\text{O}_3 + \text{Er}_2\text{O}_3 + \text{Tm}_2\text{O}_3 + \text{Yb}_2\text{O}_3 + \text{Lu}_2\text{O}_3 + \text{Y}_2\text{O}_3$ • MREO (Magnet Rare Earth Oxides) value is calculated within the exploration database using the elemental oxide values as follows; $\text{MREO} = \text{Pr}_6\text{O}_{11} + \text{Nd}_2\text{O}_3 + \text{Tb}_4\text{O}_7 + \text{Dy}_2\text{O}_3$ • Significantly mineralised intervals are manually checked to ensure validated correlation to geological data
<i>Location of data points</i>	• Location Method: Garmin handheld 12 channel GPS • Location Accuracy Horizontal: $\pm 3\text{m}$ • Location Accuracy Vertical: $\pm 6\text{m}$ • Grid System: GDA94 UTM Zone 54 • Drillhole locations are extrapolated onto SRTM digital elevation model to obtain final elevation value • Topographic control is adequate at this stage of exploration
<i>Data spacing and distribution</i>	• Systematic grid style drilling at nominal 100m spacing along E-W lines spaced 200m apart in the N-S direction. • Exclusion of cultural overlay zones in first pass program • Broad roadside reconnaissance drilling with drillhole spacings ranging from approximately 0.25km to 1km
<i>Orientation of data in relation to geological structure</i>	• Vertical drill holes • Air-core drilling is of reconnaissance nature and not intended to produce small scale structural information • Geological domains within drilled intersections are approximately horizontal and therefore approximately perpendicular to drill direction
<i>Sample security</i>	• Samples collected during drilling and removed to secure warehouse each day • Compilation of samples for dispatch to laboratory takes place in the secure warehouse by company employees • Samples are palletised and protected with multiple layers of packaging film for transport by logistics contractor to the analytical laboratory, Bureau Veritas in Adelaide.
<i>Audits or reviews</i>	• QA/QC reporting by external consultant Geobase Australia Pty Ltd has not identified any significant data issues



Section 2 Reporting of Exploration Results

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

Criteria	Commentary
<i>Mineral tenement and land tenure status</i>	• Drilling related to the reported results was undertaken on EL007646 and EL007647 which are 100% owned by Mitre Hill Pty Ltd, a wholly owned subsidiary of Resource Base Ltd (ASX:RBX). • Information relevant to EL007646 includes; • Currently in good standing and valid until 7th November 2026 • There are no non-government royalties applicable. • Land use is mixed grazing/cropping and privately owned plantation forest. • There are no registered Native Title claims. • There is no known impediments to obtaining a license to operate in the area and exploration is active and on-going. • Information relevant to EL007647 includes; • Currently in good standing and valid until 17th June 2027 • There are no non-government royalties applicable. • Land use is mixed grazing/cropping, privately owned plantation forest, State Forest crown land. • There are no registered Native Title claims. • There is no known impediments to obtaining a license to operate in the area and exploration is active and on-going.
<i>Exploration done by other parties</i>	EL007646 • Previous exploration work has been very limited. • There has been no previous exploration targeting REE • 1979-1982 Western Mining explored the region for brown coal. No holes were drilled on the current EL007646 area. • 1986-1989 CRA Exploration explored the region for Heavy Mineral Sands, drilling one hole only on the current EL007646 area. Results did not warrant follow up. • 2007 Mineral Sands Ltd explored the region for Heavy Mineral Sands with no drilling on the current EL007646 area. • 2008 Corvette Resources Ltd explored the region for Heavy Mineral Sands with no drilling on the current EL007646 area. EL007647 • Previous exploration in the area includes campaigns for; • Oil and gas in the mid-1960's • Heavy mineral sands in the mid-1970's • Coal in the late-1970's to early-1980's • Heavy mineral sands again in the mid- to late-1980's • Heavy mineral sands again in the mid- to late-2000's • During these periods of exploration only 1 drillhole has been excavated on the current EL007647 tenement area, a coal exploration bore in the 1980.
<i>Geology</i>	• The project area is considered highly prospective for the discovery of economic deposits of Rare Earth Elements (REE) deposited as secondary accumulations within Murray Basin stratigraphy and potentially occurring as ionic attachments within clayey horizons. • Project geology consists of poorly consolidated clayey and sandy horizons of



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Criteria	Commentary
	the Bookpurnong formation in the lower Loxton-Parilla Sands unit overlying a substantial base of the Duddo Limestone (Gambier Limestone in SA). Regionally, REE accumulations are known to occur in clayey horizons immediately above the limestone unit.
<i>Drill hole Information</i>	Refer to Annexure A Tables 1 and 2
<i>Data aggregation methods</i>	Significant TREO intercepts generated by composite of results ≥ 350ppm TREO with no upper cut and up to 1m internal dilution allowed
<i>Relationship between mineralisation widths and intercept lengths</i>	- Vertical drilling - Stratigraphy and structure appears to be mostly flat lying - Drilled intercepts are expected to be very near to true widths within limitations of 1m sampling intervals.
<i>Diagrams</i>	Please see maps and diagrams included in the announcement text
<i>Balanced reporting</i>	Reporting results significant to the drill program and targets tested in this early stage of testing
<i>Other substantive exploration data</i>	Reported mineralised intercepts occur for the most part in the expected prospective horizon in the upper portion of the Duddo Limestone and the Bookpurnong Formation clays and sandy clay horizons immediately above the limestone contact.
<i>Further work</i>	- Grid-based drilling on private farmland. - Land access and stakeholder engagement. - Roadside reconnaissance air-core drilling.