Analysis of Initial Drilling Results Confirms REE Mineralisation

KEY HIGHLIGHTS

- As outlined in the initial announcement of the drilling results dated 29 March 2023, a review and detailed analysis of the original intersections has been completed.
- Analysis has confirmed wide zones of low grade REE mineralisation
- The significant intersections indicate an average of 21% NdPr and 17% HREO from the initial 22 holes drilled.
- The drill samples show Uranium (U) and Thorium (Th) grades average 3ppm and 23ppm respectively, these grades are lower than would normally be expected from clay hosted REE mineralisation over a granite bedrock and significantly lower than hard rock REE projects.
- Eight metallurgical composite samples have been compiled for submission to ALS for preliminary leach test work.
- Results for the initial 58 holes into the gravity anomaly identified to the east of the clay zone are expected to be received in May.

Mamba Exploration Limited (ACN 644 571 826) ('**Mamba**', '**M24**' or the '**Company**') wishes to advise that the detailed analysis of the initial drilling intersections over the previously identified and reported clay REE target has confirmed the wide and low grade mineralisation from the Hyden REE project (see Figure 1). The standard detailed review of the multi element results and intersections identified that three of the rare earth elements Thulium (Tm), Yttrium (Y) and Ytterbium (Yb) were not accurately reported in the initial results, with other non rare earth trace elements included into the calculated intersections and tables in error. While the revised intersections vary from the originally announced intersections, the Board considers that the variance is not material as the revised intersections show the area contains wide, low-grade mineralisation as originally highlighted and the conclusions and future work programmes have not changed based on the revised data, however for completeness and transparency, the revised intersections and supporting information is incorporated into this announcement. This error resulted from a breakdown in data management procedures, which have now been rectified and additional measures put in place to ensure that this does not happen again in the future.

The revised drill intersections include:

- 30m @ 701ppm TREO from surface to EOH (23HYD002) – 20% NdPr
- 15m @ 1,091ppm TREO from 14 metres (23HYD020) – 22% NdPr
- 5m @ 1,094ppm TREO from 12 metres to EOH (23HYD010) – 15% NdPr
- 17m @ 851ppm TREO from 8 metres (23HYD022) – 22% NdPr
- 51m @ 455ppm TREO from 3 metres to EOH (23HYD003) – 23% NdPr
- 24m @ 499ppm TREO from 12 metres (23HYD004) – 20% NdPr
- 22m @ 602ppm TREO from 32 metres to EOH (23HYD005) – 20% NdPr
- 43m @ 581ppm TREO from 8 metres to EOH (23HYD012) – 20% NdPr
- 24m @ 427ppm TREO from 15 metres to EOH (23HYD019) – 21% NdPr, and
- 17m @ 583ppm TREO from 23 metres (23HYD011) – 20% NdPr.

The drilling was undertaken around the historically identified high grade clay REE mineralisation, with 22 holes successfully completed over the clay target (see Figure 2). Of the initial drilling completed, 15 holes intersected significant widths of clay hosted REE mineralisation with the mineralisation open in all directions.

Importantly analysis of the intersections has identified that NdPr makes up between 15% and 30% of the TREO and the heavy rare earth oxides makes up between 5 and 40% of the intersections (see Table 1 for breakdown of TREO).

See Table 1 and Figure 2 for details, Table 2 for drill collar details and Table 3 for full REE analysis.

Additionally, analysis of all the drill samples has identified that the area has very low Uranium (U) – average 3ppm, and Thorium (Th) – average 23ppm and low Phosphorus – average of 0.11% P_2O_5, this suggests that the rare earth element mineral causing the clay hosted mineralisation is not monazite or xenotime. This is supported by preliminary scanning electron microscope (SEM) analysis, which identified the presence of Bastnaesite from initial scans. Additional SEM work is ongoing.

As a result of the review and analysis of the initial intersections, eight metallurgical composites have been collected from the original drill samples for initial leach tests. The samples will be submitted to ALS in the next few days with initial leach tests results expected to take between 5 and 6 weeks to complete.

Additionally, results from the 58 drill holes completed over the gravity anomaly target (see Figure 3) to the east of the clay hosted mineralisation are expected to be received in May.

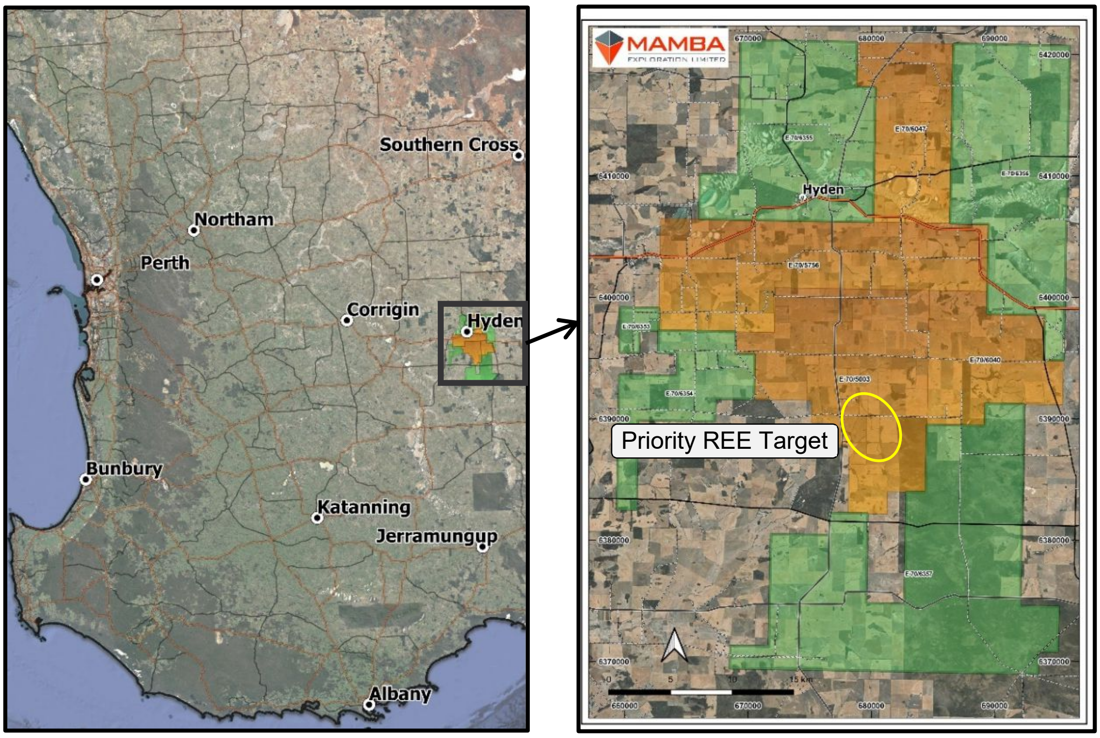

Figure 1: Location of Mamba Exploration's Hyden Project (LHS) and the Hyden Option Tenements (orange) and recently granted Exploration Licences (green) (RHS).

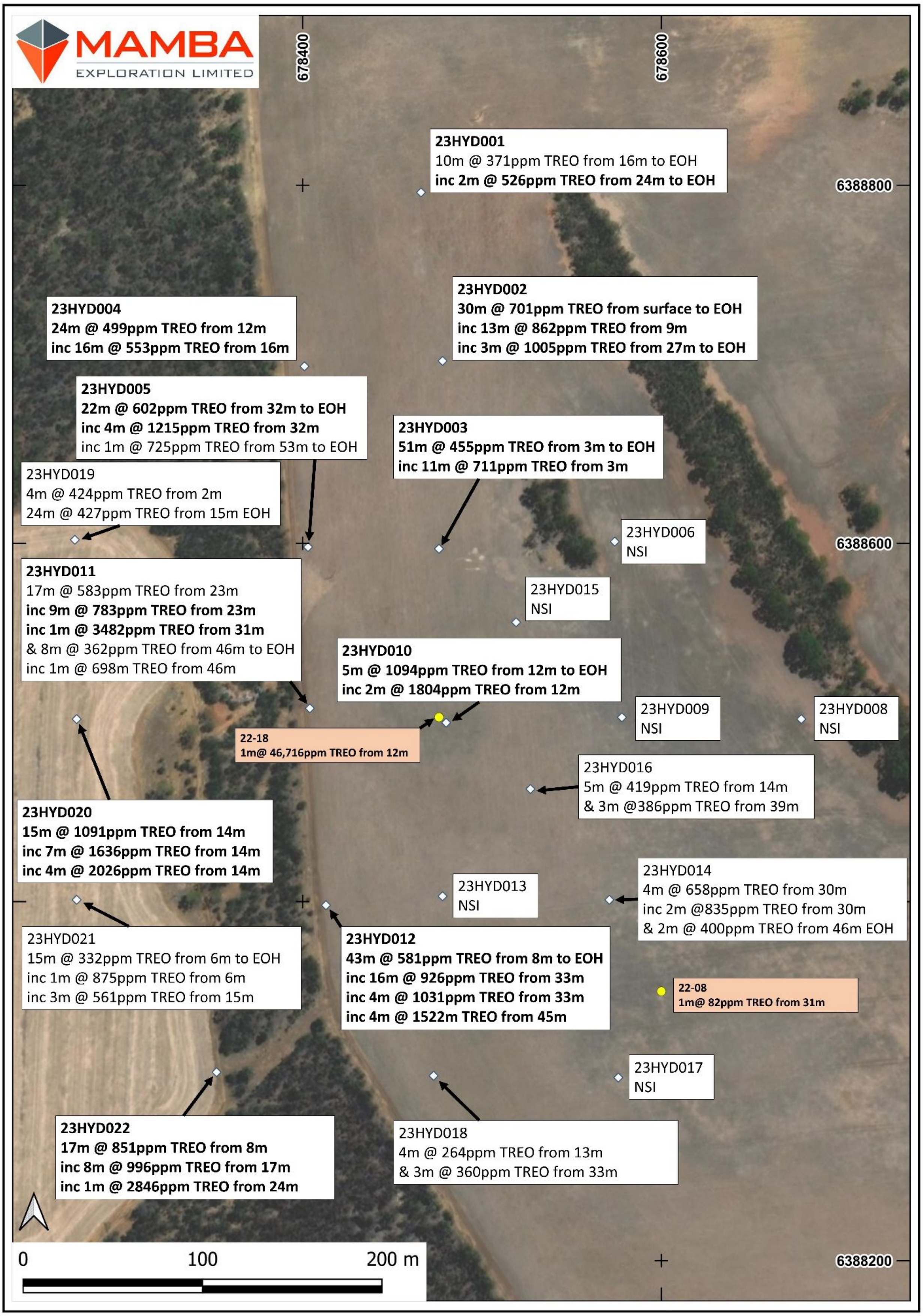

Figure 2: Hyden Project: Clay target aircore drilling with revised intersections highlighted.

Table One: Significant (+300ppm) TREO Mineralisation Intersected from the Initial Drilling completed at the Clay Target Area.

Hole Number	From (m)	To (m)	Interval (m)	TREO (ppm)	Comments	LREO %	HREO %	NdPr %
23HYD001	16	26	10	371	EOH	81%	19%	20%
Inc.	24	26	2	526	EOH	83%	17%	20%
23HYD002	**0**	**30**	**30**	**701**	**EOH**	**78%**	**22%**	**21%**
Inc.	**9**	**22**	**13**	**862**		**75%**	**25%**	**20%**
Inc.	**27**	**30**	**3**	**1005**	**EOH**	**86%**	**14%**	**19%**
23HYD003	**3**	**54**	**51**	**455**	**EOH**	**81%**	**19%**	**23%**
Inc.	**3**	**14**	**11**	**711**		**88%**	**12%**	**23%**
23HYD004	12	36	24	499		85%	15%	20%
Inc.	16	32	16	553		84%	16%	21%
23HYD005	**32**	**54**	**22**	**602**	**EOH**	**83%**	**17%**	**20%**
Inc.	**32**	**36**	**4**	**1215**		**89%**	**11%**	**20%**
Inc.	53	54	1	725	EOH	85%	15%	20%
23HYD010	**12**	**17**	**5**	**1094**	**EOH**	**60%**	**40%**	**15%**
Inc.	**12**	**14**	**2**	**1804**		**79%**	**21%**	**16%**
23HYD011	23	40	17	583		83%	17%	20%
Inc.	**23**	**32**	**9**	**783**		**81%**	**19%**	**20%**
Inc.	**31**	**32**	**1**	**3482**		**88%**	**12%**	**22%**
23HYD011	46	54	8	362	EOH	85%	15%	21%
Inc.	46	47	1	698		87%	13%	20%
23HYD012	**8**	**51**	**43**	**581**	**EOH**	**78%**	**22%**	**20%**
Inc.	**33**	**49**	**16**	**926**		**83%**	**17%**	**19%**
Inc.	**33**	**37**	**4**	**1031**		**91%**	**9%**	**20%**
Inc.	**45**	**49**	**4**	**1522**		**87%**	**13%**	**19%**
23HYD014	30	34	4	658		93%	7%	23%
Inc.	30	32	2	835		95%	5%	23%
23HYD014	46	48	2	400	EOH	80%	20%	18%
23HYD016	14	19	5	419		84%	16%	30%
23HYD016	39	42	3	386		55%	45%	17%
23HYD018	13	17	4	264		87%	13%	21%
23HYD018	33	36	3	360		90%	10%	17%
23HYD019	2	6	4	424		89%	11%	21%
23HYD019	**15**	**39**	**24**	**427**	**EOH**	**83%**	**17%**	**21%**
23HYD020	**14**	**29**	**15**	**1091**		**85%**	**15%**	**22%**
Inc.	**14**	**21**	**7**	**1636**		**91%**	**9%**	**24%**
Inc.	**14**	**18**	**4**	**2026**		**93%**	**7%**	**24%**
23HYD021	6	21	15	332	EOH	85%	15%	18%
Inc.	6	7	1	875		96%	4%	17%
Inc.	15	18	3	561		85%	15%	19%
23HYD022	**8**	**25**	**17**	**851**		**89%**	**11%**	**22%**
Inc.	**17**	**25**	**8**	**996**		**88%**	**12%**	**21%**
Inc.	**24**	**25**	**1**	**2846**		**94%**	**6%**	**21%**

Note: Significant intersections based on +300ppm TREO and includes a maximum of 4m of internal waste. EOH stands for end of hole.

Table Two: Collar Details of the initial holes drilled into the Clay REE target

HoleID	Easting	Northing	RL	Azimuth	Dip	Depth	Drill Type
23HYD001	678,466	6,388,796	368	0	-90	26	AC
23HYD002	678,478	6,388,702	370	0	-90	30	AC
23HYD003	678,476	6,388,597	368	0	-90	54	AC
23HYD004	678,401	6,388,699	374	0	-90	54	AC
23HYD005	678,403	6,388,598	374	0	-90	54	AC
23HYD006	678,574	6,388,601	363	0	-90	48	AC
23HYD007	678,779	6,388,501	357	0	-90	11	AC
23HYD008	678,678	6,388,502	360	0	-90	13	AC
23HYD009	678,578	6,388,503	362	0	-90	36	AC
23HYD010	678,480	6,388,500	367	0	-90	17	AC
23HYD011	678,404	6,388,508	371	0	-90	54	AC
23HYD012	678,413	6,388,398	367	0	-90	51	AC
23HYD013	678,478	6,388,403	365	0	-90	51	AC
23HYD014	678,571	6,388,401	362	0	-90	48	AC
23HYD015	678,519	6,388,556	366	0	-90	51	AC
23HYD016	678,527	6,388,463	364	0	-90	48	AC
23HYD017	678,576	6,388,302	358	0	-90	39	AC
23HYD018	678,473	6,388,303	363	0	-90	39	AC
23HYD019	678,273	6,388,602	376	0	-90	39	AC
23HYD020	678,274	6,388,502	374	0	-90	41	AC
23HYD021	678,274	6,388,401	369	0	-90	21	AC
23HYD022	678,352	6,388,305	366	0	-90	48	AC

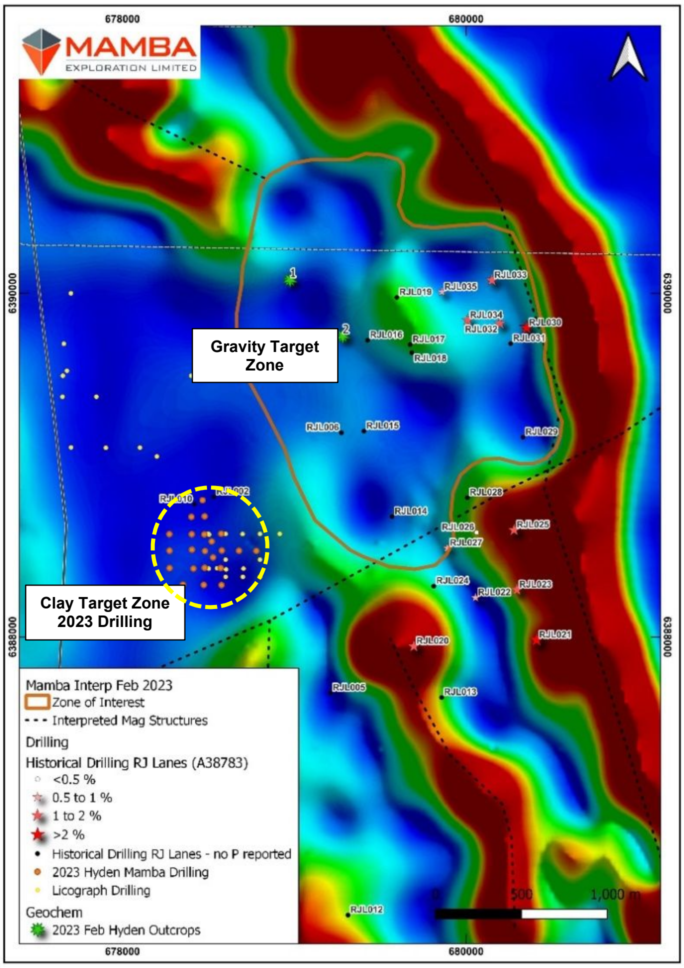

Figure 3: Hyden Gravity Overview – showing the Gravity Target Zone in relation to the Clay Target Zone drilling.

Additional information will be released as the programmes progress and as new data becomes available.

This announcement has been authorised for release by the board.

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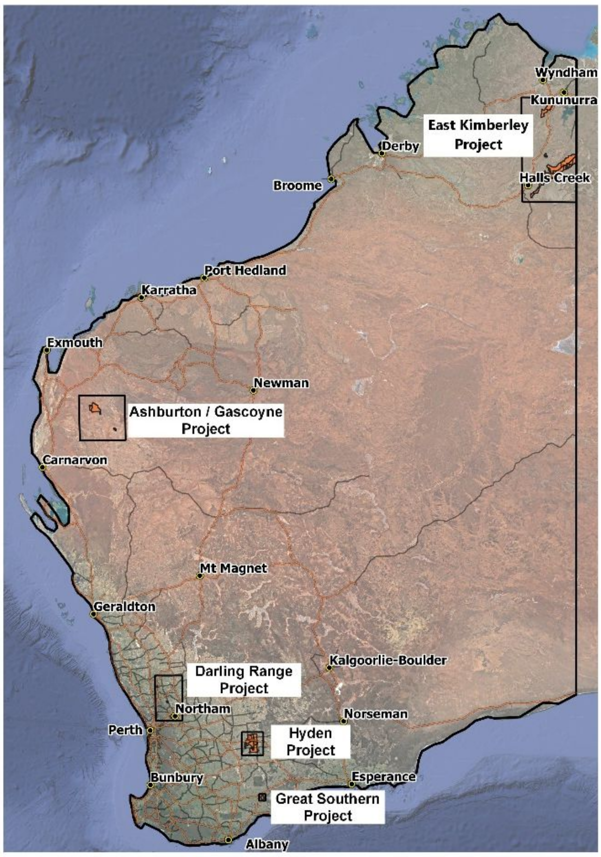
Competent Person Statement

The information in this report that relates to Exploration Targets or Exploration Results is based on information compiled by Mr Mike Dunbar, a "Competent Person" who is a Member of Australasian Institute of Mining and Metallurgy (AusIMM). Mr Dunbar is the Managing Director and CEO of Mamba Exploration Limited. He is a full-time employee of Mamba Exploration Limited and holds shares and options in the company. Mr Dunbar has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity being undertaken to Qualify as a "Competent Person" as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Dunbar consents to the inclusion in this announcement of the matters based on his information and in the form and context in which it appears.
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.

ABOUT MAMBA EXPLORATION



Mamba Exploration is a Western Australian focused exploration Company, with four 100% owned geographically diverse projects which provide year-round access. The projects are highly prospective mineral exploration assets in the Ashburton / Gascoyne, Kimberley, Darling Range and Great Southern regions of Western Australia. The projects in the Ashburton / Gascoyne and Great Southern are prospective for gold and REE whilst those in the Kimberley and Darling Range are prospective for base metals such as copper, nickel, PGE's and manganese and REE's. The recent option over the Hyden Project represents a significant development, with high grade REO's identified from clay from the project.

Mamba's Board comprises of Directors who have significant experience across sectors including mineral exploration, resource discovery, mine development and corporate finance, commodities trading and mine operations.

The Company's objective is to add significant shareholder wealth through the exploration of its projects and the discovery of economic Mineral Resources.

Table 3: Assay results from the Initial Drilling at the Clay Target at Hyden (Holes 23HYD001 – 23HYD022)

				Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Tm	Y	Yb	TREO+Y	LREO	HREO	NdPr
OXIDE CONVERSION FACTOR				1.2284	1.1477	1.1435	1.1579	1.1526	1.1455	1.1728	1.1371	1.1664	1.2082	1.1596	1.1762	1.1421	1.2699	1.1387				
Hole ID	**From**	**To**	**Interval**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**%**	**%**
23HYD001	0	4	4	28.2	0.78	0.56	1.07	1	0.17	17.9	0.14	7.8	2.38	1.3	0.16	0.08	4	0.66	80	87%	13%	15%
23HYD001	4	8	4	55.5	1.93	1.05	1.54	2.48	0.32	32.3	0.21	21.1	5.62	3.48	0.27	0.19	8.8	1.24	163	87%	13%	19%
23HYD001	8	12	4	72.2	3.11	1.89	1.36	4.51	0.6	38	0.28	31.1	7.7	5.65	0.53	0.27	16.4	1.78	223	83%	17%	20%
23HYD001	12	16	4	66.3	2.9	1.66	1.29	3.41	0.57	36.7	0.25	26.3	6.95	5.23	0.51	0.21	15.9	1.64	204	83%	17%	19%
23HYD001	16	20	4	97.1	5.39	2.96	1.31	6.92	0.97	48.3	0.3	44.5	11.25	8.83	0.97	0.41	29.4	2.22	314	80%	20%	21%
23HYD001	20	24	4	109.5	6.85	3.63	1.3	8.08	1.24	54.1	0.37	47.7	12.2	9.6	1.07	0.47	33.8	2.83	352	79%	21%	20%
23HYD001	24	26	2	175.5	8.35	4.67	1.47	9.69	1.46	86.7	0.52	71.6	18.8	12.85	1.44	0.55	40.2	3.47	526	83%	17%	20%
23HYD002	0	4	4	106.5	7.86	2.95	1.79	8.67	1.22	50.6	0.27	55.1	13.05	10.35	1.3	0.35	23.5	2.16	343	82%	18%	23%
23HYD002	4	6	2	134	7.88	4.38	1.73	9.56	1.48	63.6	0.54	63	16	12.4	1.31	0.56	30.8	3.92	422	82%	18%	22%
23HYD002	6	9	3	202	10.85	5.52	2.42	14.5	1.82	90.1	0.65	98.6	24.4	17.85	2.05	0.69	46.1	4.74	627	83%	17%	23%
23HYD002	9	12	3	266	15.1	7.74	3.48	21	2.72	109.5	1.06	144	34	28.6	2.74	1.01	67.5	6.2	853	82%	18%	24%
23HYD002	12	16	4	190.5	23.8	15.65	3.39	22.8	5.21	85.4	1.85	101.5	24	22.5	3.56	2.17	181	12.65	842	60%	40%	18%
23HYD002	16	19	3	311	16.05	9.16	2.54	19.5	3.08	147.5	1.08	132.5	35.6	24.2	2.7	1.17	100.5	7.64	981	80%	20%	20%
23HYD002	19	22	3	254	11.7	6.25	2.19	14.6	2.2	122.5	0.77	106.5	29	18.7	1.96	0.81	69.1	5.27	777	82%	18%	20%
23HYD002	22	24	2	189	14.45	7.81	2.18	15.6	2.93	89.4	0.77	85.3	22	16.7	2.23	1.01	95.4	5.82	664	73%	27%	19%
23HYD002	24	27	3	139	8.5	4.44	1.74	10.7	1.61	69.6	0.48	63.5	16.25	12.65	1.5	0.57	51.6	3.53	464	78%	22%	20%
23HYD002	27	30	3	346	12.45	6.53	2.44	15.2	2.43	186	0.64	127.5	37.3	19.85	2.21	0.83	71.7	4.58	1005	86%	14%	19%
23HYD003	0	3	3	31.2	1.88	1.15	0.41	1.85	0.35	13.6	0.13	11.5	2.95	2.95	0.28	0.13	9.7	1.22	95	78%	22%	18%
23HYD003	3	4	1	226	7.75	3.26	2.58	10.35	1.35	115	0.29	90	25.4	15.2	1.56	0.39	35.2	2.32	645	88%	12%	21%
23HYD003	4	5	1	301	8.27	3.02	2.67	11.25	1.33	153.5	0.27	118.5	33.3	18.5	1.6	0.34	27.9	2.06	821	91%	9%	22%
23HYD003	5	6	1	326	10.4	3.71	3.25	15.95	1.7	155.5	0.26	151	38.8	24.6	2.07	0.36	33.4	2.25	923	90%	10%	24%
23HYD003	6	7	1	267	8.5	3.29	3.05	11.65	1.3	131.5	0.29	113.5	30.7	18	1.54	0.38	29.7	2.03	747	90%	10%	23%
23HYD003	7	8	1	281	8.46	3.34	2.73	12.45	1.42	135.5	0.36	123.5	34.2	19.7	1.58	0.39	29.6	2.37	788	90%	10%	24%
23HYD003	8	9	1	293	9.82	4.24	2.75	14.55	1.81	137.5	0.34	137.5	35	21.5	1.9	0.5	38.6	2.76	842	89%	11%	24%
23HYD003	9	10	1	172.5	6.78	3.25	1.97	8.29	1.18	84	0.34	74	20.5	12.15	1.19	0.37	28.7	2.71	502	87%	13%	22%
23HYD003	10	14	4	211	9.77	4.69	3.25	12.65	1.81	100.5	0.52	98.5	25.5	16.55	1.69	0.63	41.4	3.76	639	85%	15%	23%
23HYD003	14	18	4	155	5.54	2.39	2.94	8.7	0.86	71.8	0.31	78.3	19.65	12.75	1.01	0.34	21.9	1.9	460	88%	12%	25%
23HYD003	18	22	4	129.5	11.15	5.58	3.31	13.4	2.11	60.4	0.61	70.2	16.25	14.75	1.92	0.69	58	4.03	471	74%	26%	22%
23HYD003	22	26	4	123	7.6	3.8	2.38	9.27	1.49	59	0.42	58	14.75	10.3	1.26	0.52	42.3	2.88	405	78%	22%	21%
23HYD003	26	30	4	108.5	6.55	3.27	2.09	8.34	1.21	51.2	0.34	52.8	13.5	10.5	1.19	0.44	33.3	2.61	356	80%	20%	22%
23HYD003	30	34	4	117.5	5.71	2.87	2.36	7.18	1.09	58.2	0.34	54.1	13.6	10.2	1.02	0.38	29.5	2.48	368	83%	17%	22%

				Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Tm	Y	Yb	TREO+Y	LREO	HREO	NdPr
OXIDE CONVERSION FACTOR				1.2284	1.1477	1.1435	1.1579	1.1526	1.1455	1.1728	1.1371	1.1664	1.2082	1.1596	1.1762	1.1421	1.2699	1.1387				
Hole ID	**From**	**To**	**Interval**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**%**	**%**
23HYD003	34	38	4	114.5	5.98	3.42	2.12	8.32	1.22	53	0.28	54.9	14.2	10.3	1.08	0.4	34.2	2.3	368	80%	20%	22%
23HYD003	38	42	4	128	8.05	3.97	2.3	10.35	1.41	55.3	0.47	68	16.2	13.05	1.36	0.45	37.9	2.86	420	80%	20%	24%
23HYD003	42	46	4	115	6.54	3.39	2.44	9.12	1.26	50.5	0.3	59.7	14.7	11.3	1.22	0.38	33.5	2.3	375	80%	20%	23%
23HYD003	46	50	4	91	5.84	2.86	2.07	7.27	1.13	40.8	0.33	49.6	11.85	9.15	0.99	0.35	29.1	2.36	306	79%	21%	24%
23HYD003	50	54	4	89.9	6.81	3.72	1.97	7.82	1.33	43.8	0.43	44.4	11.15	9.29	1.08	0.53	37.7	3.25	317	75%	25%	21%
23HYD004	0	4	4	91.2	2.51	1.65	1.06	2.91	0.5	50.6	0.33	27.7	9.06	4.06	0.44	0.28	12	1.8	248	89%	11%	17%
23HYD004	4	8	4	52.3	2.07	1.31	0.77	1.91	0.43	31.8	0.26	17.4	5.04	2.84	0.31	0.22	10.2	1.91	155	85%	15%	17%
23HYD004	8	12	4	41.3	1.86	1.2	0.83	2.14	0.36	26	0.21	13.6	3.84	2.66	0.31	0.2	8.9	1.34	126	83%	17%	16%
23HYD004	12	16	4	144	4.83	2.45	2.07	5.74	0.91	71.9	0.42	47.4	13.85	8.15	0.8	0.36	20.1	2.67	391	88%	12%	18%
23HYD004	16	20	4	196	8.32	4.61	2.82	10.85	1.58	93.6	0.61	83.9	21.4	15	1.35	0.66	39	4.6	582	84%	16%	21%
23HYD004	20	24	4	185	7.39	4.29	2.82	9.81	1.33	95.8	0.65	85.3	21.9	13.6	1.26	0.59	37.1	3.97	565	85%	15%	22%
23HYD004	24	28	4	135	8.75	4.85	2.34	9.35	1.76	71.5	0.67	60	15.55	10.85	1.42	0.69	57.3	4.24	463	76%	24%	19%
23HYD004	28	32	4	214	5.94	2.8	2.06	8.99	1.04	111.5	0.37	84.1	23	12.45	1.1	0.34	30.2	2.19	601	89%	11%	21%
23HYD004	32	36	4	142.5	3.27	1.68	1.95	4.61	0.62	82.6	0.23	46.2	14	7.03	0.6	0.28	19.8	1.93	393	89%	11%	18%
23HYD004	36	40	4	55	2.71	1.56	1.02	3.34	0.49	28.4	0.21	23.6	6.02	4.8	0.49	0.23	13.8	1.17	172	82%	18%	20%
23HYD004	40	44	4	71.8	3.06	1.46	1.05	3.87	0.57	41.2	0.26	28.6	7.59	4.92	0.48	0.19	13.4	1.46	216	86%	14%	20%
23HYD004	44	48	4	48.5	1.97	1.35	0.7	2.2	0.44	29.5	0.28	16.2	5.2	2.48	0.32	0.28	13.7	1.9	150	81%	19%	17%
23HYD004	48	52	4	31.6	2.03	1.99	0.54	1.68	0.52	18.8	0.47	11	3.31	1.67	0.33	0.32	15.7	2.41	111	72%	28%	15%
23HYD004	52	54	2	33.1	1.38	1.19	0.29	1.44	0.32	16.8	0.24	10.6	3.26	1.52	0.21	0.22	9.3	1.69	98	80%	20%	17%
23HYD005	0	4	4	36.5	1.49	0.98	0.25	1.02	0.27	19	0.14	11	3.19	1.71	0.18	0.14	6.2	1.1	100	86%	14%	17%
23HYD005	4	8	4	28.8	1.18	1.16	0.26	1.02	0.29	15.2	0.17	9.5	2.71	1.47	0.15	0.21	5.6	1.7	83	83%	17%	17%
23HYD005	8	12	4	14.9	2.25	1.99	0.4	1.28	0.53	7.5	0.5	6.2	1.67	1.52	0.3	0.36	13.1	3.3	67	57%	43%	14%
23HYD005	12	16	4	41.5	1.52	1.36	0.32	1.27	0.33	34	0.22	8.1	3.1	1.48	0.27	0.22	7.2	1.5	123	86%	14%	11%
23HYD005	16	20	4	78.8	2.61	1.61	0.59	1.9	0.44	61.5	0.24	16.8	5.38	2.7	0.33	0.24	9.8	1.8	222	89%	11%	12%
23HYD005	20	24	4	41.2	2.53	1.96	0.62	1.96	0.42	30.9	0.34	16.5	4.84	2.6	0.34	0.27	13.3	2.45	144	80%	20%	17%
23HYD005	24	28	4	33.9	2.05	1.52	0.6	1.81	0.46	21	0.3	12.5	3.68	2.34	0.33	0.21	12.9	1.6	115	77%	23%	17%
23HYD005	28	32	4	103.5	3.27	1.76	0.74	4	0.58	61.9	0.31	36.4	10.7	5.73	0.49	0.26	17.1	2.03	299	88%	12%	19%
23HYD005	32	34	2	252	8.68	4.53	1.65	11.6	1.68	138.5	0.66	97.7	26.5	15.6	1.44	0.71	44	5.2	733	87%	13%	20%
23HYD005	34	36	2	620	15.3	6.5	1.5	23.8	2.52	337	0.77	231	65.6	35	2.8	0.8	65.6	5.14	1697	91%	9%	21%
23HYD005	36	39	3	144.5	4.17	2.4	0.94	6.18	0.89	86.8	0.33	48.2	14.5	8.41	0.77	0.39	21.3	2.49	411	88%	12%	18%
23HYD005	39	42	3	147.5	6.2	3.37	1.99	7.35	1.09	68.5	0.59	65.5	17.4	11.55	0.96	0.54	28.9	3.74	439	85%	15%	22%
23HYD005	42	46	4	117.5	15.4	10.05	3.5	14.95	3.25	52	1.18	64.9	15.7	16.05	2.42	1.32	94.6	8.56	508	63%	37%	19%

				Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Tm	Y	Yb	TREO+Y	LREO	HREO	NdPr
OXIDE CONVERSION FACTOR				1.2284	1.1477	1.1435	1.1579	1.1526	1.1455	1.1728	1.1371	1.1664	1.2082	1.1596	1.1762	1.1421	1.2699	1.1387				
Hole ID	**From**	**To**	**Interval**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**%**	**%**
23HYD005	46	50	4	127.5	5.98	3.45	2.26	8.25	1.22	61.2	0.52	63.2	15.5	11	1.01	0.47	30.9	3.26	403	83%	17%	23%
23HYD005	50	53	3	190	3.3	1.7	1.39	4.67	0.6	98	0.23	61	19.45	8.41	0.5	0.24	13.1	1.73	486	93%	7%	19%
23HYD005	53	54	1	245	11.2	5.42	1.79	12.7	2.04	127.5	0.65	97.2	27.1	16.75	1.86	0.72	49.3	4.38	725	85%	15%	20%
23HYD006	0	4	4	15.2	0.9	0.49	0.22	0.8	0.16	13	0.08	5.6	1.6	1.26	0.15	0.09	4.2	0.53	53	83%	17%	16%
23HYD006	4	8	4	10.2	0.67	0.34	0.43	0.96	0.12	24.1	0.09	9.4	2.97	1.42	0.16	0.08	2.9	0.42	64	88%	12%	23%
23HYD006	8	12	4	26	0.66	0.37	0.24	0.81	0.13	15.3	0.06	7.1	1.99	1.66	0.12	0.04	2.8	0.34	69	90%	10%	15%
23HYD006	12	16	4	38.7	7.81	4.64	2.36	7.6	1.61	15	0.55	25.2	5.18	6.75	1.15	0.59	44.6	3.61	200	54%	46%	18%
23HYD006	16	20	4	59.8	1.82	0.95	0.77	2.74	0.36	28.3	0.13	21.5	6.56	3.13	0.34	0.13	13.6	0.85	170	84%	16%	19%
23HYD006	20	24	4	31	1.79	0.97	0.6	2.1	0.37	19.1	0.11	9.8	2.97	1.82	0.26	0.13	10.1	1.04	99	78%	22%	15%
23HYD006	24	28	4	41.1	1.31	1.05	0.5	1.58	0.26	21.9	0.12	13.9	4.47	2.39	0.19	0.13	7.7	0.86	117	86%	14%	18%
23HYD006	28	32	4	69.2	2.06	1.17	0.86	2.13	0.33	35.2	0.18	25.9	7.54	3.46	0.34	0.2	10	1.22	192	88%	12%	20%
23HYD006	32	36	4	67	1.94	1.2	1.86	3.11	0.35	33.4	0.19	32.3	8.43	6.08	0.34	0.14	9	0.84	199	89%	11%	24%
23HYD006	36	40	4	70.2	1.88	0.91	1.2	2.64	0.29	35.6	0.19	33	8.15	5.77	0.36	0.14	7.6	1.07	203	90%	10%	24%
23HYD006	40	44	4	70.3	2.12	1.42	1	2.38	0.43	35	0.22	27.3	7.78	4.79	0.33	0.16	11.4	1.21	199	87%	13%	21%
23HYD006	44	48	4	52	1.4	0.71	0.9	2.51	0.28	29.2	0.17	17.6	5.62	2.55	0.3	0.13	7.7	0.8	146	88%	12%	19%
23HYD007	0	4	4	14.4	1.9	1.12	0.56	1.87	0.42	6.5	0.22	6.4	1.59	1.84	0.24	0.19	11.2	1.36	60	61%	39%	16%
23HYD007	4	8	4	7.7	1.61	1.16	0.52	1.4	0.37	3.7	0.19	4.4	0.84	1.24	0.26	0.2	9.4	0.99	41	52%	48%	15%
23HYD007	8	11	3	9.4	2.1	1.46	0.35	1.59	0.42	4.9	0.19	5.1	1.19	1.22	0.3	0.22	10	1.17	48	55%	45%	15%
23HYD008	1	5	4	14	0.18	0.11	0.11	0.27	0.03	7.7	0	3.1	1.22	0.6	0.04	0.02	0.8	0.07	34	94%	6%	15%
23HYD008	5	9	4	26.7	0.32	0.09	0.24	0.52	0.05	14.7	0.02	7.2	2.37	0.84	0.06	0.01	0.9	0.07	65	96%	4%	17%
23HYD008	9	13	4	17.4	0.72	0.42	0.23	0.66	0.2	12.2	0.08	5.6	1.55	0.92	0.12	0.08	4.2	0.52	54	84%	16%	16%
23HYD009	0	4	4	23.8	1.82	1.15	0.3	1.5	0.35	11.4	0.2	9	2.24	1.66	0.22	0.18	9.9	1.46	79	74%	26%	17%
23HYD009	4	8	4	15.7	0.46	0.4	0.11	0.47	0.13	12.2	0.08	3.2	1.1	0.52	0.09	0.08	2.8	0.5	45	86%	14%	11%
23HYD009	8	12	4	20.3	0.22	0.1	0.19	0.4	0.04	19	0.01	3.9	1.49	0.69	0.04	0.02	1	0.15	57	95%	5%	11%
23HYD009	12	16	4	63.6	3.32	1.9	1.34	3.53	0.62	38.8	0.35	24.3	6.73	4.51	0.51	0.31	15.9	2.26	202	82%	18%	18%
23HYD009	16	20	4	44.1	5.11	3.42	1.38	4.61	1.08	24.6	0.48	20.2	5.66	4.3	0.78	0.51	25	3.5	174	68%	32%	17%
23HYD009	20	24	4	39.3	3.76	2.46	1.39	3.68	0.8	20.6	0.39	22.8	5.78	4.09	0.57	0.35	19.3	2.83	154	72%	28%	22%
23HYD009	24	28	4	53	3.22	2.16	0.89	3.36	0.67	29.3	0.25	21	5.7	3.9	0.56	0.29	17.4	2.13	173	78%	22%	18%
23HYD009	28	32	4	19	2.01	1.64	0.55	1.75	0.45	9.3	0.28	8.3	2.1	1.6	0.31	0.25	12.2	1.92	74	65%	35%	16%
23HYD009	32	36	4	11.6	2.56	1.82	0.66	2.46	0.53	5.2	0.29	5.9	1.48	1.71	0.38	0.27	15	1.96	63	50%	50%	14%
23HYD010	0	4	4	36.6	1.96	1.1	0.61	2.31	0.41	18	0.16	16.6	4.34	3.11	0.37	0.19	8.9	1.11	115	82%	18%	21%
23HYD010	4	8	4	18.1	0.69	0.47	0.12	0.39	0.17	4.9	0.12	3.6	1.01	0.83	0.11	0.09	3.2	0.67	42	82%	18%	13%

				Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Tm	Y	Yb	TREO+Y	LREO	HREO	NdPr
OXIDE CONVERSION FACTOR				1.2284	1.1477	1.1435	1.1579	1.1526	1.1455	1.1728	1.1371	1.1664	1.2082	1.1596	1.1762	1.1421	1.2699	1.1387				
Hole ID	**From**	**To**	**Interval**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**%**	**%**
23HYD010	8	12	4	53.4	3.16	2.2	0.88	2.3	0.69	17.5	0.46	10.5	2.82	2.6	0.45	0.41	15.9	3.19	141	74%	26%	11%
23HYD010	12	14	2	636	35.9	21.6	8.74	35.9	7.28	271	2.97	195	53.7	35	5.9	2.99	164.5	20.5	1804	79%	21%	16%
23HYD010	14	17	3	66.3	22.6	16.95	3.24	17.7	5.17	97	2.74	58.7	16.3	11.55	3.17	2.46	173	16.65	620	48%	52%	14%
23HYD011	0	3	3	47.5	1.34	0.93	0.61	2	0.3	29	0.15	14.7	4.15	2.35	0.29	0.14	6.6	0.87	133	88%	12%	17%
23HYD011	3	7	4	65.2	1.27	0.82	0.46	1.67	0.27	47.7	0.15	18.8	6.26	2.41	0.23	0.1	5.7	0.89	182	92%	8%	16%
23HYD011	7	11	4	43.6	1.48	0.93	0.27	2.17	0.33	23.8	0.13	16.6	4.79	3	0.27	0.14	7.7	0.95	128	86%	14%	20%
23HYD011	11	15	4	81.2	3.47	1.91	0.67	4.13	0.67	43	0.3	31.5	8.45	5.62	0.62	0.28	16.3	2.02	241	85%	15%	20%
23HYD011	15	19	4	77.4	3.48	1.27	1.27	4.66	0.63	37.9	0.26	40.1	10.4	7.11	0.59	0.21	13.9	1.49	241	86%	14%	25%
23HYD011	19	23	4	76.6	4.12	2.48	0.87	4.84	0.91	38	0.31	30.4	8.19	5.58	0.66	0.36	25.2	2.07	242	79%	21%	19%
23HYD011	23	27	4	175.5	11.3	6.7	3.07	13.9	2.31	96.8	0.85	79.1	20.2	14.2	1.88	0.88	72.7	5.84	608	76%	24%	19%
23HYD011	27	31	4	92.5	4.48	2.31	1.79	5.14	0.86	50.1	0.33	36.9	10.1	6.53	0.67	0.33	21.3	1.95	283	83%	17%	20%
23HYD011	31	32	1	1230	44.4	19.1	22.2	65.1	7.45	601	1.63	501	136	85.1	8.48	2.12	164	12.1	3482	88%	12%	22%
23HYD011	32	36	4	130.5	4.88	2.16	1.59	7.22	0.85	65.3	0.22	50.2	13.75	9.03	0.94	0.3	20.3	1.78	371	87%	13%	20%
23HYD011	36	40	4	114.5	5.77	2.94	1.56	7.39	1.03	58	0.37	46.3	12.8	7.89	0.99	0.42	23.9	2.51	344	84%	16%	20%
23HYD011	40	44	4	52.2	5.28	3.11	1.66	5.28	1.08	25.7	0.47	24.8	5.84	4.8	0.85	0.44	27.1	2.96	194	70%	30%	19%
23HYD011	44	46	2	39.1	2.88	1.7	0.96	3.36	0.6	19.1	0.22	16.6	4.44	3.41	0.49	0.22	14	1.52	131	76%	24%	19%
23HYD011	46	47	1	240	9.51	4.06	2.5	13	1.59	127	0.51	94.6	26.2	17.05	1.65	0.53	40.1	2.93	698	87%	13%	20%
23HYD011	47	51	4	93.2	5.62	3.08	2.45	7.26	1.05	47.9	0.31	45.5	10.85	8.46	1	0.36	23.5	2.43	304	81%	19%	22%
23HYD011	51	53	2	83.8	2.7	1.05	1.79	4.52	0.47	49.2	0.14	32.6	8.92	6.17	0.53	0.16	9.8	0.87	243	89%	11%	20%
23HYD011	53	54	1	180	4.36	1.57	1.88	8.22	0.73	94.4	0.18	72.6	19.8	11.9	0.88	0.19	17.5	1.09	498	91%	9%	22%
23HYD012	0	4	4	32.1	1.09	0.73	0.16	0.85	0.2	6.3	0.13	4.4	1.22	0.55	0.12	0.09	5.2	0.67	65	83%	17%	10%
23HYD012	4	8	4	38.4	2.02	0.96	0.3	2.04	0.37	20.9	0.14	15.4	4.5	2.89	0.3	0.15	8.6	1.09	118	84%	16%	20%
23HYD012	8	12	4	166.5	10.85	6.63	2.97	11.5	2.12	109	0.84	83.7	22.8	13.8	1.75	0.85	46.4	5.66	582	81%	19%	22%
23HYD012	12	13	1	133	5.35	3.24	1.64	5.86	0.93	80.8	0.55	57.1	16	10.75	0.76	0.51	18.7	4.18	407	88%	12%	21%
23HYD012	13	17	4	103	6	3.38	2.06	7.2	1.13	51.2	0.49	50.5	12.8	9.52	1.07	0.49	23.7	3.28	331	82%	18%	22%
23HYD012	17	21	4	101.5	10.2	5.87	3.69	12.45	2.08	56.1	0.65	61.2	14.7	12.6	1.76	0.76	47.1	5.17	403	73%	27%	22%
23HYD012	21	25	4	67.8	7.9	4.24	2.98	9.11	1.52	52.9	0.51	48	12.1	9.08	1.22	0.49	40.9	3.48	315	72%	28%	22%
23HYD012	25	29	4	34.7	4.74	3.3	1.47	4.38	1.02	24.3	0.44	21.1	5.45	3.62	0.72	0.39	34	2.61	172	62%	38%	18%
23HYD012	29	33	4	126	7.61	5.17	2.16	8.69	1.59	70.9	0.66	53.1	14.6	9.96	1.21	0.7	50.1	4.66	430	77%	23%	19%
23HYD012	33	35	2	305	6.56	2.8	1.82	10.8	1.07	160.5	0.31	107	30.9	15.9	1.19	0.37	27.3	2.34	809	92%	8%	20%
23HYD012	35	37	2	453	10.7	5.74	1.89	15.75	1.98	245	0.69	172	48.5	25.2	1.92	0.75	54.8	4.39	1252	90%	10%	21%
23HYD012	37	41	4	211	12.2	6.9	3.15	13.8	2.3	105	0.9	88.5	23	16.7	2.12	0.87	60.2	5.66	664	80%	20%	20%

				Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Tm	Y	Yb	TREO+Y	LREO	HREO	NdPr
OXIDE CONVERSION FACTOR				1.2284	1.1477	1.1435	1.1579	1.1526	1.1455	1.1728	1.1371	1.1664	1.2082	1.1596	1.1762	1.1421	1.2699	1.1387				
Hole ID	**From**	**To**	**Interval**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**%**	**%**
23HYD012	41	45	4	143.5	10.45	6.13	2.77	11.2	2.15	74.5	0.77	60.3	15.3	10.65	1.67	0.74	58.3	5.12	486	75%	25%	18%
23HYD012	45	47	2	351	11.3	6.77	2.92	15.75	2.28	182	0.69	123	35.6	19.65	2.05	0.77	65.3	4.55	991	86%	14%	19%
23HYD012	47	48	1	800	18.2	9.26	3.46	27.2	3.3	408	0.83	271	79.8	39.7	3.31	0.98	105	5.73	2136	90%	10%	19%
23HYD012	48	49	1	687	27.5	15.35	5.24	35.8	5.14	345	1.72	245	70.7	42.4	4.79	1.71	139.5	11.15	1971	85%	15%	19%
23HYD012	49	51	2	132.5	7.99	4.54	2.11	10	1.49	64.4	0.53	53	14.2	10.4	1.53	0.56	35.5	3.7	412	80%	20%	19%
23HYD013	0	4	4	53.3	2.39	1.45	0.71	2.5	0.43	21.3	0.24	16.2	4.46	2.74	0.38	0.21	11.7	1.4	144	82%	18%	17%
23HYD013	4	8	4	39.2	3.93	3.03	0.65	3.26	0.91	19.8	0.48	16.3	4.33	3.34	0.49	0.37	24.2	2.82	149	67%	33%	16%
23HYD013	8	12	4	36.4	2.32	1.52	0.84	1.86	0.43	20.6	0.28	15.8	4.24	3.24	0.26	0.23	11.2	1.64	121	79%	21%	19%
23HYD013	12	16	4	76.6	2.78	1.92	1.54	2.76	0.53	38	0.27	29.7	8.24	5.45	0.43	0.29	13.7	1.89	221	86%	14%	20%
23HYD013	16	20	4	26.8	2.15	1.48	0.79	2.03	0.44	13	0.23	10	2.36	2.09	0.33	0.24	12.1	1.87	91	71%	29%	16%
23HYD013	20	24	4	56	3.47	2.14	0.89	4.07	0.69	26	0.32	22.6	5.59	4.06	0.53	0.33	16.4	2.38	175	78%	22%	19%
23HYD013	24	28	4	25.5	3.29	2.08	0.8	3.44	0.69	15	0.3	10.1	2.63	2.83	0.56	0.31	18.3	1.87	106	64%	36%	14%
23HYD013	28	32	4	33.4	2.35	1.57	0.51	2.44	0.46	17.8	0.23	13	3.34	2.7	0.34	0.18	13.1	1.46	112	75%	25%	17%
23HYD013	32	36	4	38.4	2.44	1.62	0.62	2.39	0.59	18.8	0.31	16.4	4.25	2.83	0.36	0.28	14.3	1.74	127	76%	24%	19%
23HYD013	36	40	4	34.4	3.07	2.18	0.62	2.84	0.71	18.4	0.35	14	3.87	2.68	0.44	0.28	17.3	2.08	124	71%	29%	17%
23HYD013	40	44	4	43	2.16	1.05	1.03	2.39	0.38	22	0.18	16.4	4.44	3.38	0.36	0.17	9.6	1.13	129	83%	17%	19%
23HYD013	44	48	4	29.6	2.48	1.62	0.82	2.42	0.53	14.9	0.28	13.3	3.57	2.85	0.4	0.2	13.4	1.55	106	73%	27%	19%
23HYD013	48	51	3	33.6	2.74	1.82	1.03	2.53	0.56	16.1	0.29	14.4	3.89	3.32	0.39	0.3	15.7	1.82	119	72%	28%	18%
23HYD014	0	4	4	13.4	1.17	0.94	0.22	0.97	0.29	6.5	0.13	5	1.26	1.09	0.16	0.13	7.2	1.11	48	69%	31%	15%
23HYD014	4	8	4	8.5	1.28	1.06	0.28	0.88	0.28	6.9	0.2	3.3	1.01	0.58	0.13	0.14	7.2	1.23	40	61%	39%	13%
23HYD014	8	12	4	32.5	0.32	0.2	0.15	0.28	0.07	35.6	0.05	6.4	2.89	0.66	0.03	0.03	1.6	0.23	97	96%	4%	11%
23HYD014	12	16	4	22.1	1.16	0.52	0.4	1.25	0.17	9.7	0.05	9.1	2.24	1.83	0.2	0.09	4.8	0.41	65	83%	17%	21%
23HYD014	16	20	4	9.2	3.14	2.14	0.83	2.86	0.63	3	0.27	7.7	1.28	2.36	0.5	0.26	15.2	1.7	62	46%	54%	17%
23HYD014	20	24	4	14	2.57	1.46	0.57	2.22	0.48	3.7	0.18	7.1	1.46	1.64	0.37	0.22	11.8	1.3	59	57%	43%	17%
23HYD014	24	28	4	55.5	2.8	0.99	2.32	5.03	0.39	21.6	0.08	33	7.45	7.34	0.67	0.12	6.9	0.67	173	86%	14%	27%
23HYD014	28	30	2	54.8	4.65	1.02	3.61	7.29	0.61	16	0.12	42.3	8.88	9.96	0.93	0.13	8.9	0.85	191	83%	17%	31%
23HYD014	30	32	2	329	3.98	1.86	3.3	6.03	0.69	156	0.28	125.5	37.6	13.55	0.79	0.25	14.9	1.82	835	95%	5%	23%
23HYD014	32	34	2	179	4.67	1.56	3.62	7.32	0.64	82.8	0.16	71	20.8	12.3	0.96	0.18	14	1.18	480	91%	9%	22%
23HYD014	34	38	4	30.4	3.11	1.61	1.19	3.37	0.61	12.9	0.27	16.2	3.74	3.46	0.45	0.25	16.2	1.71	115	70%	30%	20%
23HYD014	38	42	4	33	1.33	0.75	0.77	1.54	0.28	18.1	0.15	12.2	3.54	2.52	0.27	0.11	5.4	0.78	97	86%	14%	19%
23HYD014	42	46	4	62.9	2.43	1.57	0.86	2.41	0.49	34.2	0.21	21.7	6.85	3.3	0.35	0.22	12.6	1.56	182	85%	15%	18%
23HYD014	46	48	2	127.5	7.49	4.34	1.78	7.54	1.5	70.2	0.58	47.2	13.6	8.51	1.18	0.63	37.1	3.51	400	80%	20%	18%

				Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Tm	Y	Yb	TREO+Y	LREO	HREO	NdPr
OXIDE CONVERSION FACTOR				1.2284	1.1477	1.1435	1.1579	1.1526	1.1455	1.1728	1.1371	1.1664	1.2082	1.1596	1.1762	1.1421	1.2699	1.1387				
Hole ID	**From**	**To**	**Interval**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**%**	**%**
23HYD015	0	4	4	16.6	0.75	0.49	0.23	0.84	0.15	8.5	0.07	5.8	1.7	1.04	0.12	0.07	3.3	0.54	48	84%	16%	18%
23HYD015	4	8	4	10.9	0.86	0.44	0.12	0.44	0.14	6.7	0.12	3.3	1.05	0.56	0.06	0.1	3.2	0.85	35	78%	22%	15%
23HYD015	8	12	4	20.6	0.55	0.4	0.16	0.41	0.12	12.8	0.09	4.2	1.55	0.54	0.05	0.05	2.6	0.52	54	89%	11%	13%
23HYD015	12	16	4	10.9	0.41	0.34	0.12	0.33	0.1	8.1	0.08	2.8	0.84	0.48	0.06	0.06	2.1	0.49	33	85%	15%	13%
23HYD015	16	20	4	75.1	4.64	2.69	1.45	4.27	0.9	20.5	0.48	22.5	5.84	4.93	0.69	0.47	20.7	3.2	203	76%	24%	16%
23HYD015	20	24	4	44.6	4.01	2.6	1.1	3.27	0.79	17	0.44	18.1	4.42	3.58	0.64	0.4	18.8	2.99	148	71%	29%	18%
23HYD015	24	28	4	21.1	1.46	0.96	0.26	1.2	0.34	6.3	0.21	5.7	1.67	1.28	0.19	0.14	6.7	1.15	59	74%	26%	15%
23HYD015	28	32	4	47	2.05	1.2	0.63	2.66	0.48	24.2	0.26	16.5	4.47	2.85	0.35	0.18	10.7	1.45	138	82%	18%	18%
23HYD015	32	36	4	46.5	2.95	1.42	1.26	3.6	0.54	24.6	0.21	20.3	5.04	3.98	0.53	0.22	12.2	1.57	150	80%	20%	20%
23HYD015	36	40	4	34.3	1.95	1.18	0.74	2.09	0.36	18.9	0.18	12.3	3.49	2.11	0.3	0.17	10.5	1.24	108	79%	21%	17%
23HYD015	40	43	3	9.7	1.09	0.75	0.32	0.91	0.26	5.4	0.13	3.8	1.01	0.69	0.15	0.12	6.7	0.74	38	64%	36%	15%
23HYD015	43	46	3	44.3	2.62	1.42	1.11	3.37	0.55	20.9	0.2	20.9	5.24	4.42	0.44	0.23	12.8	1.47	144	80%	20%	21%
23HYD015	46	49	3	52.6	3.23	1.5	1.43	3.93	0.62	26.7	0.22	24.8	6.4	5.17	0.63	0.25	14.5	1.57	172	80%	20%	21%
23HYD015	49	51	2	47.5	3.57	2.03	1.45	3.61	0.75	30.3	0.26	20.5	5.23	3.98	0.54	0.3	18.4	1.75	168	76%	24%	18%
23HYD016	0	4	4	26.4	1.42	0.69	0.29	1.3	0.28	11.1	0.16	7.6	2.23	1.86	0.22	0.14	6	0.88	73	81%	19%	16%
23HYD016	4	8	4	20.8	1.57	1.08	0.19	1.61	0.34	11.4	0.17	9.5	2.42	1.56	0.24	0.15	8.1	1.12	72	76%	24%	19%
23HYD016	8	12	4	45.2	2.15	1.04	0.28	2.82	0.35	30	0.2	20.8	5.29	3.47	0.36	0.16	10.1	0.98	148	85%	15%	21%
23HYD016	12	14	2	8.2	0.56	0.42	0.08	0.53	0.14	7.1	0.07	3.3	0.9	0.64	0.09	0.06	3.4	0.37	31	78%	22%	16%
23HYD016	14	15	1	93.7	5.04	1.52	6.6	14.5	0.72	182.5	0.15	218	56.7	30.6	1.15	0.19	16.6	1.03	744	92%	8%	43%
23HYD016	15	19	4	83.9	6.47	2.71	2.65	8.84	0.98	61	0.34	60.1	15.4	12.05	1.2	0.35	24.5	2.18	338	82%	18%	26%
23HYD016	19	23	4	40.9	4.3	2.53	1.72	6.04	0.91	33.9	0.38	29.2	7.35	5.97	0.82	0.32	24.3	2.3	193	72%	28%	22%
23HYD016	23	26	3	56.7	2.45	1.52	0.63	2.63	0.56	14.6	0.25	13.6	3.41	2.81	0.38	0.19	13.7	1.17	139	79%	21%	14%
23HYD016	26	27	1	92.2	6.16	2.97	0.74	7.04	1.02	42.4	0.33	40.7	10.4	7.85	0.99	0.35	30.1	2.26	295	79%	21%	20%
23HYD016	27	31	4	24.7	1.76	0.94	0.37	2.3	0.43	11.8	0.17	12.6	2.94	2.39	0.3	0.16	10.4	1.24	87	75%	25%	21%
23HYD016	31	35	4	14.6	1.6	1.24	0.18	1.71	0.42	7.7	0.16	7.3	1.91	1.56	0.23	0.18	10.7	1.04	61	65%	35%	18%
23HYD016	35	39	4	91.4	2.18	0.98	1.38	2.96	0.38	47.8	0.18	31.6	9.42	4.53	0.42	0.13	8.7	0.98	244	91%	9%	20%
23HYD016	39	42	3	76.3	14.25	9.13	5.14	14.85	3.06	33.1	1.18	46.4	10.1	11.35	2.37	1.26	84.2	7.53	386	55%	45%	17%
23HYD016	42	45	3	41.8	3.86	2.15	2.01	4.4	0.75	21.7	0.32	19.6	5.06	4.25	0.61	0.27	20.1	1.79	155	72%	28%	19%
23HYD016	45	48	3	49.3	4.95	2.49	2.01	5.07	0.98	24.5	0.43	25	5.97	5.26	0.8	0.36	26.6	2.26	188	70%	30%	19%
23HYD017	0	4	4	36.3	4.22	2.42	1.33	3.88	0.82	14.4	0.35	16.3	4.02	3.88	0.62	0.39	20.8	2.44	135	66%	34%	18%
23HYD017	4	8	4	17.8	3.1	1.74	0.82	2.87	0.6	7.8	0.28	10.9	2.5	2.74	0.43	0.25	15.9	1.57	84	60%	40%	19%
23HYD017	8	12	4	19.4	4.59	2.66	1.43	4.93	0.98	11.4	0.39	17.9	4.15	4.27	0.73	0.41	24	2.37	120	57%	43%	22%

				Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Tm	Y	Yb	TREO+Y	LREO	HREO	NdPr
OXIDE CONVERSION FACTOR				1.2284	1.1477	1.1435	1.1579	1.1526	1.1455	1.1728	1.1371	1.1664	1.2082	1.1596	1.1762	1.1421	1.2699	1.1387				
Hole ID	**From**	**To**	**Interval**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**%**	**%**
23HYD017	12	16	4	10	1.39	0.78	0.42	1.23	0.26	3	0.13	4.8	1.12	1.31	0.22	0.13	4.5	1.01	36	67%	33%	19%
23HYD017	16	20	4	18.1	1.74	1.1	0.55	1.52	0.39	3	0.2	5.7	1.28	1.58	0.29	0.14	6.6	1.34	53	68%	32%	16%
23HYD017	20	24	4	26.8	2.73	1.54	0.62	1.98	0.6	2.3	0.3	5.2	1.12	1.62	0.42	0.23	10.1	1.8	69	65%	35%	11%
23HYD017	24	28	4	31.2	3.15	1.84	0.67	2.01	0.59	3.3	0.35	5.6	1.36	1.66	0.44	0.31	10.6	2.14	79	66%	34%	10%
23HYD017	28	32	4	24.7	6.39	3.69	1.24	4.6	1.3	11.9	0.62	12.8	2.93	4.04	0.86	0.57	29.1	4.03	131	51%	49%	14%
23HYD017	32	36	4	18.8	8.92	5.87	1.82	7.2	1.99	9.6	0.8	17	3.38	4.9	1.32	0.85	54.9	5.28	173	37%	63%	14%
23HYD017	36	39	3	22.9	2.92	1.88	0.55	2.46	0.62	5.4	0.32	7	1.49	1.95	0.41	0.31	16.9	1.91	81	57%	43%	12%
23HYD018	1	5	4	11.8	1.1	0.87	0.25	0.86	0.3	4.4	0.16	3.4	0.98	0.74	0.13	0.15	7.9	1.38	42	62%	38%	12%
23HYD018	5	9	4	13.7	2.78	2	0.45	1.75	0.68	5.7	0.31	3.8	0.95	1.2	0.35	0.34	19.6	2.22	68	45%	55%	8%
23HYD018	9	13	4	49.3	1.44	1.1	0.43	1.13	0.32	34	0.18	9	2.94	1.74	0.21	0.14	8.3	0.99	134	87%	13%	10%
23HYD018	13	17	4	94.9	3.4	1.94	1.49	3.86	0.58	43.6	0.33	37.6	10.15	6.41	0.57	0.26	13.2	1.81	264	87%	13%	21%
23HYD018	17	21	4	40.6	3.14	1.92	1.21	3.93	0.65	20.7	0.27	22.9	5.57	4.51	0.53	0.25	15.1	1.55	147	77%	23%	23%
23HYD018	21	25	4	20	0.81	0.61	0.37	1.14	0.19	17.2	0.07	5.3	1.89	1.14	0.14	0.07	4.4	0.63	65	84%	16%	13%
23HYD018	25	29	4	19.6	1.57	1.2	0.31	1.56	0.35	15.2	0.18	6.5	1.92	1.68	0.21	0.17	9.8	1.17	74	73%	27%	13%
23HYD018	29	33	4	36	1.88	0.99	0.23	1.98	0.3	22.3	0.14	12.5	3.87	2.51	0.31	0.14	8.4	0.94	111	83%	17%	17%
23HYD018	33	36	3	134.5	3.46	1.6	0.3	5.18	0.58	78.1	0.28	39.1	12.1	6.33	0.63	0.21	16	1.45	360	90%	10%	17%
23HYD018	36	39	3	81.7	3.67	1.48	0.51	4.21	0.61	45.5	0.25	25.9	7.96	4.78	0.57	0.25	15.9	1.51	234	85%	15%	17%
23HYD019	0	2	2	54.3	1.3	0.68	0.43	1.36	0.24	11.8	0.09	10.3	2.69	2.13	0.21	0.09	5	0.55	110	89%	11%	14%
23HYD019	2	5	3	121.5	4.36	1.86	1.4	5.38	0.68	55.2	0.17	47.5	12.85	8.17	0.75	0.22	16.1	1.3	333	88%	12%	21%
23HYD019	5	6	1	260	7.51	2.75	2.46	10.9	1.26	126.5	0.2	97.2	27.1	15.65	1.43	0.27	24.9	1.59	696	91%	9%	21%
23HYD019	6	10	4	77.3	3.11	1.55	0.87	3.73	0.48	39.6	0.19	28.2	8.19	4.49	0.49	0.19	10.4	1.13	216	88%	12%	20%
23HYD019	10	12	2	40.1	2.85	1.7	0.6	2.68	0.57	15.7	0.3	14.5	3.75	3	0.37	0.28	12	1.94	121	77%	23%	18%
23HYD019	12	15	3	65.6	2.55	1.82	1.07	2.95	0.56	36.5	0.3	19.9	5.88	3.91	0.44	0.24	12.4	1.81	187	84%	16%	16%
23HYD019	15	17	2	263	7.82	3.14	3.31	11.4	1.2	132	0.34	89.3	25.8	15.2	1.37	0.44	24.8	2.63	699	90%	10%	19%
23HYD019	17	20	3	90.8	3.29	2.27	1.72	4.07	0.71	52.8	0.31	33.2	9.28	5.33	0.62	0.27	17	2	269	85%	15%	19%
23HYD019	20	22	2	166	6.21	2.67	2.38	8.9	1.01	84.7	0.38	72.8	18.85	12.15	1.04	0.35	24.9	2.27	486	88%	12%	22%
23HYD019	22	24	2	196.5	9.74	3.72	2.64	13.65	1.63	96.4	0.38	93	24	18.4	1.71	0.47	40.1	2.86	606	85%	15%	23%
23HYD019	24	28	4	107	6.54	3.38	1.78	8.46	1.19	52.1	0.39	51.7	12.8	9.51	1.1	0.43	32.1	2.71	350	80%	20%	22%
23HYD019	28	32	4	119.5	6.25	3.2	1.78	8.09	1.09	58.8	0.33	54.6	13.9	11.05	1.15	0.4	29.2	2.26	374	83%	17%	21%
23HYD019	32	36	4	162	7.39	3.26	2.3	10.35	1.28	77.5	0.36	69.7	18.85	13.1	1.34	0.45	36.9	2.73	490	84%	16%	21%
23HYD019	36	39	3	99.2	7	3.67	1.89	8.33	1.47	47.9	0.34	46.3	11.6	8.58	1.3	0.45	37.9	2.75	335	76%	24%	20%
23HYD020	0	4	4	34.3	0.91	0.6	0.26	1.49	0.21	13.7	0.13	9.9	2.69	1.89	0.23	0.06	5	0.5	87	87%	13%	17%

				Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Tm	Y	Yb	TREO+Y	LREO	HREO	NdPr
OXIDE CONVERSION FACTOR				1.2284	1.1477	1.1435	1.1579	1.1526	1.1455	1.1728	1.1371	1.1664	1.2082	1.1596	1.1762	1.1421	1.2699	1.1387				
Hole ID	**From**	**To**	**Interval**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**%**	**%**
23HYD020	4	8	4	24.7	1.45	0.8	0.5	2.05	0.27	21.6	0.09	17.2	4.54	2.54	0.26	0.08	5.9	0.53	99	85%	15%	26%
23HYD020	8	12	4	86	3.99	1.68	0.61	5.45	0.65	60.7	0.21	46	12.5	6.74	0.72	0.2	15.3	1.26	290	87%	13%	24%
23HYD020	12	14	2	72.2	2.28	1.55	0.57	3.06	0.49	43.2	0.23	28.1	8.11	4.87	0.45	0.19	10.7	1.61	213	88%	12%	20%
23HYD020	14	15	1	626	16.35	4.76	7.67	29.7	2.08	554	0.27	358	109	51.2	3.35	0.45	38.7	2.13	2153	94%	6%	26%
23HYD020	15	16	1	516	21.2	5.56	8.83	37.6	2.82	213	0.3	243	55.4	49.9	4.56	0.56	47	2.96	1449	89%	11%	24%
23HYD020	16	17	1	853	19.65	5.41	8.73	36.5	2.73	299	0.38	310	77.7	55	4.01	0.55	42.4	2.96	2065	93%	7%	22%
23HYD020	17	18	1	1015	16.85	4.38	10.95	35.9	2.12	332	0.34	408	92.9	73.1	3.92	0.45	29.7	2.68	2436	95%	5%	24%
23HYD020	18	19	1	410	20.4	5.79	8.21	35.9	2.74	151.5	0.28	227	47.7	49.2	4.4	0.49	42	2.93	1208	88%	12%	27%
23HYD020	19	20	1	384	11.65	4.13	3.81	19.45	1.66	156	0.3	152	39.8	26	2.21	0.42	30.3	2.65	1002	91%	9%	22%
23HYD020	20	21	1	415	13.7	5.5	4.14	19.9	2.22	185.5	0.49	173	45.9	27.7	2.74	0.61	45.6	4.22	1136	89%	11%	23%
23HYD020	21	22	1	241	11.45	5.78	3.2	15.1	1.93	112	0.61	115	28.7	20.5	2.03	0.75	51.9	4.75	738	84%	16%	23%
23HYD020	22	23	1	224	25.1	16	5.67	25.7	5.35	94.5	1.92	122.5	27.4	27	3.85	2.22	151.5	14.9	901	66%	34%	20%
23HYD020	23	27	4	147.5	7.37	3.69	2.39	10.2	1.44	70.2	0.5	67.8	16.9	13.1	1.38	0.49	35.7	3.17	459	82%	18%	22%
23HYD020	27	28	1	229	8.45	4.18	2.52	11.4	1.43	121.5	0.4	93.9	24.9	15.35	1.4	0.57	41.4	2.92	672	86%	14%	21%
23HYD020	28	29	1	232	13.25	7.9	2.59	14.95	2.72	122.5	0.78	96	25.8	16	2.16	1.01	91.8	5.38	765	77%	23%	19%
23HYD020	29	33	4	106	5.3	2.58	2.03	6.8	0.87	56.6	0.23	47.3	11.55	8.26	0.94	0.27	26.5	2	333	83%	17%	21%
23HYD020	33	37	4	73.7	1.82	0.88	1.72	2.42	0.27	46.6	0.09	24	7.1	3.07	0.35	0.1	9.3	0.82	207	90%	10%	18%
23HYD020	37	41	4	42.2	1.36	0.82	1.76	1.56	0.2	30.4	0.06	12.3	3.8	2.56	0.23	0.12	7	0.79	126	87%	13%	15%
23HYD021	0	3	3	122	1.8	0.68	0.63	1.93	0.25	20.4	0.11	16.3	4.43	2.7	0.32	0.08	6.3	0.54	217	93%	7%	11%
23HYD021	3	6	3	60.6	1.43	0.67	0.48	2.1	0.27	23.3	0.09	17.1	4.79	2.99	0.31	0.08	5.3	0.6	145	91%	9%	18%
23HYD021	6	7	1	349	4.1	1.64	1.93	6.22	0.67	209	0.23	94.7	34.5	11.8	0.8	0.25	11.7	1.95	875	96%	4%	17%
23HYD021	7	11	4	95.3	2.89	1.4	0.76	2.88	0.49	48.6	0.22	33.3	9.95	4.68	0.42	0.2	10.2	1.82	256	90%	10%	20%
23HYD021	11	15	4	51.6	1.67	1.16	0.79	1.78	0.32	32.3	0.17	15.1	4.49	2.09	0.2	0.16	8.6	1.2	146	87%	13%	16%
23HYD021	15	18	3	227	9.1	4.23	2.47	10.55	1.66	63.1	0.52	71.6	18.95	14.95	1.6	0.61	35	4	561	85%	15%	19%
23HYD021	18	21	3	72.6	6.3	3.99	1.29	6.89	1.39	43.8	0.46	35.6	9.62	6.71	1	0.51	33.3	3.86	273	74%	26%	19%
23HYD022	0	4	4	81.2	2.43	1.28	0.58	2.56	0.45	21.2	0.16	17.4	4.77	3.84	0.37	0.17	9.4	1.25	178	87%	13%	15%
23HYD022	4	6	2	142.5	4.84	2.02	0.96	7.11	0.87	79	0.24	55	15.15	9.12	0.92	0.22	17.9	1.66	405	89%	11%	20%
23HYD022	6	7	1	255	4.65	1.72	1.33	6.45	0.73	140.5	0.22	82.8	25.6	10.95	0.82	0.26	15.3	1.67	658	94%	6%	19%
23HYD022	7	8	1	223	4.35	1.84	1.35	6.44	0.68	120	0.27	78.6	23.3	12.1	0.81	0.22	13.4	1.8	586	94%	6%	20%
23HYD022	8	9	1	514	9.57	3.1	3.28	16.8	1.29	276	0.24	194.5	55.3	28.8	1.97	0.33	22.9	1.99	1356	95%	5%	22%
23HYD022	9	11	2	210	6.45	2.67	1.47	8.74	1.06	112	0.27	82.8	22.4	12.85	1.18	0.34	24.9	2.28	588	90%	10%	21%
23HYD022	11	13	2	293	8.4	3.22	2.84	12.65	1.34	143.5	0.36	125	33.5	20.3	1.59	0.39	28.5	2.63	813	91%	9%	23%

				Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nd	Pr	Sm	Tb	Tm	Y	Yb	TREO+Y	LREO	HREO	NdPr
OXIDE CONVERSION FACTOR				1.2284	1.1477	1.1435	1.1579	1.1526	1.1455	1.1728	1.1371	1.1664	1.2082	1.1596	1.1762	1.1421	1.2699	1.1387				
Hole ID	**From**	**To**	**Interval**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**%**	**%**	**%**
23HYD022	13	15	2	162.5	6.73	3.05	2.06	9.1	1.13	75.9	0.33	80.2	19.95	14.45	1.2	0.4	22.7	2.57	482	88%	12%	24%
23HYD022	15	17	2	237	9.53	3.62	2.75	13.4	1.55	118	0.42	105	26.5	19.35	1.86	0.43	30.8	2.89	687	88%	12%	22%
23HYD022	17	19	2	294	11.3	4.95	2.97	14.05	2	144	0.49	124.5	32.7	20.8	2.09	0.66	48.1	4.06	849	87%	13%	22%
23HYD022	19	21	2	310	11.65	5.44	3.12	15.6	2.02	154	0.55	125	35	20.6	2.03	0.7	51.5	4.3	891	87%	13%	21%
23HYD022	21	24	3	189	6.94	3.08	2.18	9.29	1.2	98.2	0.34	77	21.1	13.3	1.24	0.41	30.9	1.99	548	87%	13%	21%
23HYD022	24	25	1	1085	16.8	6.81	3.97	30.2	2.9	576	0.74	395	117.5	52.1	3.52	0.88	73.2	5.44	2846	94%	6%	21%
23HYD022	25	29	4	91.7	4.12	2.35	1	5.21	0.91	51.5	0.32	36.6	10.15	5.02	0.73	0.36	24.5	1.81	284	82%	18%	19%
23HYD022	29	33	4	45.5	5.39	3.33	0.96	4.06	1.11	28.4	0.45	18.3	4.77	3.76	0.73	0.53	34.9	3.09	188	64%	36%	14%
23HYD022	33	37	4	65	7.12	6.17	0.92	3.85	1.69	37.6	1.14	20.8	6.19	4.13	0.84	1.06	43	8.25	251	64%	36%	13%
23HYD022	37	41	4	49.7	4.62	3.81	0.92	3.24	1.08	27.4	0.69	15.9	4.83	3.22	0.62	0.63	29.9	4.48	182	67%	33%	13%
23HYD022	41	45	4	34.4	1.58	1.09	0.48	1.38	0.36	21.7	0.22	10.5	3.49	1.68	0.24	0.19	10.7	1.32	108	80%	20%	15%
23HYD022	45	48	3	42.5	1.44	0.89	0.55	1.5	0.3	27.5	0.19	14.3	4.36	2.04	0.23	0.17	9	1.18	128	85%	15%	17%

Note: TREO = elemental analysis* oxide conversion factor of rare earth elements plus Y.
TREO highlighted cells in red are +1000ppm TREO, in yellow are 500 to 1000ppm TREO and in green are 300 to 500ppm TREO

JORC Code (2012) Table 1 – Hyden REE Project

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.*	• The sampling undertaken by aircore drilling. The samples were placed on the ground in rows of 10. Intervals were analysed using a portable XRF, to assist in detailed logging and selection of sampling intervals for laboratory analysis. pXRF used only test for two rare earth elements and are best used as a field tool, rather than for reporting of results, particularly for relatively low levels of elements. The pXRF reports an assay result as well as an error for each element. Where the error is large relative to the result for the element, the result is not considered by the CP to be suitable for public reporting. As a result only the full laboratory assay results are reported.
	• *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.*	• No duplicate samples were taken, however analysis was validated through the use of internal laboratory standards and duplicates.
	• *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*	• Samples were collected in the field and transported to the ALS for analysis. The selected REE samples taken were analysed by Lithium Borate Fusion ICP-MS (ALS code ME-MS81). Only the REE (and REO) results are reported in this announcement.
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.*	• The sample recovery was logged on a metre by metre basis and the samples appeared of consistent size and no wet sampling was observed. • No relationship between sample size or recovery and grade is evident from the data collected to date.
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.*	• The holes were fully geologically logged.
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.* • *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.*	• The sampling was undertaken on a single metre interval basis from aircore drilling. After the pXRF analysis was undertaken, composite samples were submitted to ALS for full "wet chemical" analysis • The samples were collected using spear sampling from the dry sample piles. • No field duplicates or standards have been reported, Laboratory standards, duplicates and QA/QC protocols have been used by ALS. • Sample sizes are considered appropriate for the stage of exploration being reported.

<table>
<tr>
<td>Quality of assay data and laboratory tests</td>
<td>

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 (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.

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Laboratory standards, duplicates and QA/QC protocols have been used by ALS. No bias has been identified.
Some XRF analysis has been undertaken on the sample pulps, however as the XRF is not a definitive tool for REE analysis, only laboratory assayed results are reported.
Rare earth element analyses were originally reported in elemental form but has been converted to relevant oxide concentrations as in the industry standard to - 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
Element to Oxide Conversion Factor are:

<table>
<tr><th>Element</th><th>Conversion Factor (multiplier)</th><th>Oxide</th></tr>
<tr><td>La</td><td>1.1728</td><td>La_2O_3</td></tr>
<tr><td>Ce</td><td>1.2284</td><td>CeO_2</td></tr>
<tr><td>Pr</td><td>1.2082</td><td>Pr_6O_{11}</td></tr>
<tr><td>Nd</td><td>1.1664</td><td>Nd_2O_3</td></tr>
<tr><td>Sm</td><td>1.1596</td><td>Sm_2O_3</td></tr>
<tr><td>Eu</td><td>1.1579</td><td>Eu_2O_3</td></tr>
<tr><td>Gd</td><td>1.1526</td><td>Gd_2O_3</td></tr>
<tr><td>Tb</td><td>1.1762</td><td>Tb_4O_7</td></tr>
<tr><td>Dy</td><td>1.1477</td><td>Dy_2O_3</td></tr>
<tr><td>Ho</td><td>1.1455</td><td>Ho_2O_3</td></tr>
<tr><td>Er</td><td>1.1435</td><td>Er_2O_3</td></tr>
<tr><td>Tm</td><td>1.1421</td><td>Tm_2O_3</td></tr>
<tr><td>Yb</td><td>1.1387</td><td>Yb_2O_3</td></tr>
<tr><td>Lu</td><td>1.1371</td><td>Lu_2O_3</td></tr>
<tr><td>Y</td><td>1.2699</td><td>Y_2O_3</td></tr>
</table>
</td>
</tr>
<tr>
<td>Verification of sampling and assaying</td>
<td>

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.

</td>
<td>

The results being reported are overall mineralized intervals, including a maximum of 4m of internal waste (material below 300ppm TREO). Intervals of more than 300ppm TREO are considered to be significant. For completeness all of the results from each individual sample has been included in Table 3 of the report. At least two Company personnel have verified the intersections.
No holes have been accurately twinned although one hole (23HYD010) was drilled within 10m of historical hole 22-018. Hole 23HYD010 did not replicate the single high grade assay result reported from hole 22-18. Additional exploration is recommended to better understand the location and orientation of the high grades

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</table>

		reported in historical hole 22-18. • Geological and sampling data is collected on paper, with data entry undertaken on a daily basis and entered into a validated spreadsheet for inclusion into a database
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.*	• All drill holes were located using a handheld GPS using MGA94 UTM zone 50S • No downhole surveys have been undertaken and all holes are vertical
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.*	• Sample spacing is wide and not at a distribution that would allow estimation of a Mineral Resource. • The individual metre samples have been composited, based on the pXRF tests conducted in the field. The samples ranged from single metre samples to 4m composite samples. The mineralized intervals have been length weighted to calculate the overall mineralized interval. A maximum of 4m of internal waste (material below 300ppm TREO) has been included into the overall mineralized intervals. No edge dilution has been included into the mineralized intervals.
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.*	• Given the aircore holes are vertical and unsurveyed and the sampling of an assumed sub horizontal clay horizion drill orientation would not have resulted in any sample bias. • There is no known relationship between drill orientation and interval width at this stage.
Sample security	• *The measures taken to ensure sample security.*	• Samples were collected in the field and transported directly to ALS from the field by a Mamba employee.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• An internal audit and review of the multi element results, which is standard procedure, has been undertaken by the CP. The audit found that three REE elements had previously not been appropriately accounted for in the TREO total or in the original announcement tables and three other non REE trace elements included in error. This was due to a breakdown in the data management procedures. As a result the amended intersections and corrected data has been incorporated into this announcement. The CP and the Mamba Board are satisfied that the changes in the intervals and intersections are not material as the amended data and the original data both highlight the area contains wide low grade REE mineralisation and the conclusions and recommendations for forward programs remain unchanged. As a result of the audit data management procedures have been modified to ensure that the errors do not occur in the future. There have been no audits or reviews of the sampling techniques or field procedures used by Mamba Exploration.

Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *The 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 Hyden Project (REE Option area) covers the REE rights for four granted exploration licences 70/5003, 5756, 6040 and 6047 which cover a total of 561km^2. In addition, Mamba applied for 5 exploration licenses (E70/6353, 6354, 6355, 6356, and 6357 which cover approximately 755km^2. These new applications have now been granted. • The project is located in the Eastern portion of the Western Australian wheatbelt and surrounds the regional town of Hyden some 300km East of Perth. Mamba has entered into an option agreement to secure 100% of the REE rights and owns 100% of the new tenements. • Access is by well-graded shire roads from Hyden. • The area is covered by the Ballardong People Indigenous Land Use Agreement native title area (WI2017/012)
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• Exploration has been undertaken by several explorers, however most exploration has been focused on either gold, Ni PGE's or graphite, very little exploration has been undertaken for REE over the project.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The Hyden Project area is located in the Western Gneiss Terrane of the southwest Yilgarn Province. The tenements are covered by Palaeozoic, Mesozoic and Tertiary sediments that unconformably overlie or are faulted against Precambrian sequences of schists, gneisses, granites and sediments. The tenements cover a northerly striking aeromagnetic anomaly that appears to be related to a BIF/ultramafic sequence which is offset to the east in the central part of E70/5003 by a later eastwest Proterozoic dolerite dyke.
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.*	• Drilling data from the initial aircore drilling is included in Table 2 and Figure 2 in the body of the report. • No drill data has been excluded from the report.
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.*	• The mineralized intersections have been calculated using a cutoff of 300ppm TREO, without top cutting of the grades and using a maximum internal dilution allowance of 4m. No edge dilution has been accounted for in the intervals and a minimum intersection width of two metres, although some individual samples have been reported to highlight that higher grades are present in the overall intervals, the overall intervals are reported in Table one of the report. For completeness the individual assays from the samples collected have been

Criteria	JORC Code explanation	Commentary
	• *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	reported in Table 3 of the report. • No metal equivalents are reported, however elemental assay results have been converted via industry standard factors as outlined in Section 1 of this JORC table 1 above to allow reporting of total rare earth oxides (TREO).
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').*	• There is no information available to comment on the geometry of the zones of interest at this stage, although the drilling is vertical and is testing an assumed flat lying clay horizon, • There is no known relationship between drill orientation and width of the zones of interest. The true width of the mineralisation is unknown at this stage.
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	• Appropriate plans are included in the body of the report.
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 assay data from the initial 22 holes drilled for REE are included in this report. Additional sampling is planned over the recently identified gravity target to the east of the recent Clay REE target aircore drilling included in this report.
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 regional DMIRS geophysical datasets have been assessed for the area of interest. The detailed gravity survey was undertaken on 8 east west lines and 2 north south lines at a station spacing of between 100 and 200m along the lines, with lines spaced between 600m and 5km apart (see Figure three). A total of 419 station readings were completed. This data was combined with the regional gravity data and a 3 D inversion model compiled. The model identified a north south trending dense unit (a greenstone belt) with granite bodies to the east and west. In the area of interest an intrusive feature was identified, which cross cuts the dense greenstone units and post dates the local geological trends including two Proterozoic dykes which have been identified from the regional magnetic dataset. This suggest that the intrusive feature is relatively young.
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.*	• As mentioned in the body of the report, additional drilling has been completed to the east of the REE clay mineralization, over a gravity anomaly. A total of 58 holes have been drilled and sampled. These samples are currently at ALS for analysis, with results expected to be received in May. Additional exploration will be planned after the outstanding assay results have been received.