ASX ANNOUNCEMENT

17 October 2024

HIGHLY ANOMALOUS RARE EARTH OXIDE (REO) STREAM SEDIMENT RESULTS ASSAYING UP TO 3.24% TREO FROM ADRIANO PROJECT, MOZAMBIQUE

KEY HIGHLIGHTS:

MRG has met with immediate success in the first stream sediment exploration program conducted at its Adriano 11002 REE project in Mozambique.

The program comprised 42 samples collected from sites located upstream of branches of the stream drainage system running through the Adriano Exploration Licence.

Program Highlights

- **All of the samples returned anomalous TREO assay results (16 rare earth oxides).**
- **74% of the samples returned >1,000ppm TREOs with a highest result of TREO 32,393 ppm (3.24% TREO), demonstrating the high prospectivity of this tenement.**
- **Magnet rare earth oxides (MREO: neodymium, praseodymium, dysprosium and terbium) make up approximately 22% of the TREO in the samples.**
- **3 of the 42 samples delivered exceptional results:**
  - **3.24%, 3.12% and 2.70% TREO respectively;**
  - **Nd+Pr oxides > 350ppm, 21 of the 42 samples exceeded the MREO target with 8 samples >1000ppm; Highest Pr_2O_3 >1,170ppm (0.117%); and**
  - **Dy+Tb oxides >35ppm, 4 of the 42 samples exceed the MREE target and with 3 of these at >100ppm.**
- **ZrO_2 >13,500ppm (>1.35%), which exceeded the maximum reading of the analytical technique.**
- **Thorium shows a direct correlation with TREO and can be used as an exploration and analytical proxy for REOs going forward.**
- **A mineralogical study underway has confirmed monazite and zircon grains in the panned concentrate.**

Follow-up exploration will involve:

- **Closer spaced stream sedimentary sampling in adjacent catchments of samples 2402SED002, 2402SED017 and 2402SED018 to better define drainage prospectivity in relation to local granites;**

- **Ridge and Spur soil and outcrop sampling in the area of the exceptional TREO results in search of a local primary rare earth source;**
- **Hand-auger drilling around the exceptional TREO results to test for eluvial / alluvial deposits; and**
- **Hand-auger drilling in the alluvial area in the south of the licence to test the alluvial potential.**

MRG Metals Limited ("**MRG**" or "**the Company**") (ASX Code: MRQ) is pleased to provide the analytical results from the Company's first phase exploration program at its Adriano 11002 REE Project (**Figure 1**) in Mozambique, from 42 stream sediment samples. The very high rare earth oxide (**REO**) results (**Table 2**, red highlighted oxides) have demonstrated both hard rock and alluvial / eluvial targets on the licence.

MRG Metals Chairman, Mr Andrew Van Der Zwan said:
"This is a great first step in the exploration of Adriano, a virtually unexplored terrain which is demonstrating potential as a Rare Earth opportunity. Some of the sample results received are exceptional. Further work will investigate the size and characteristics of the catchment areas to determine whether we have alluvial/colluvial/hard rock sources for the rare earths. This preliminary success at Adriano augers well for our abutting Exploration Licence application immediately to the north-west of Adriano.

Together with the Corridor HMS joint venture now moving into mine development, and the promising exploration results at Shawa Carbonatite in Zimbabwe, MRG is building a valuable multi-commodity portfolio."

Figure 1: *Map of the location of MRG's Adriano 11002L REE Exploration licences and Olinga 11005L Uranium and Rare Earth Exploration licences (EL); with the port city of Quelimane in close proximity.*

Details

A drainage pattern analysis (**refer ASX Announcement 16 August 2024; Figure 2**) was used to plan a stream sedimentary sampling program covering all stream catchment areas within Adriano 11002. 35 Samples were initially planned (**Figure 1**), with 7 samples added based on field observations while the sampling program was taking place, for a total of 42 samples (**refer Table 1** for coordinates of all samples).

Re-imaging of existing aerial radiometric Th data was also conducted (**refer ASX Announcement 9 May 2024; Figure 7**) to assist in target generation.

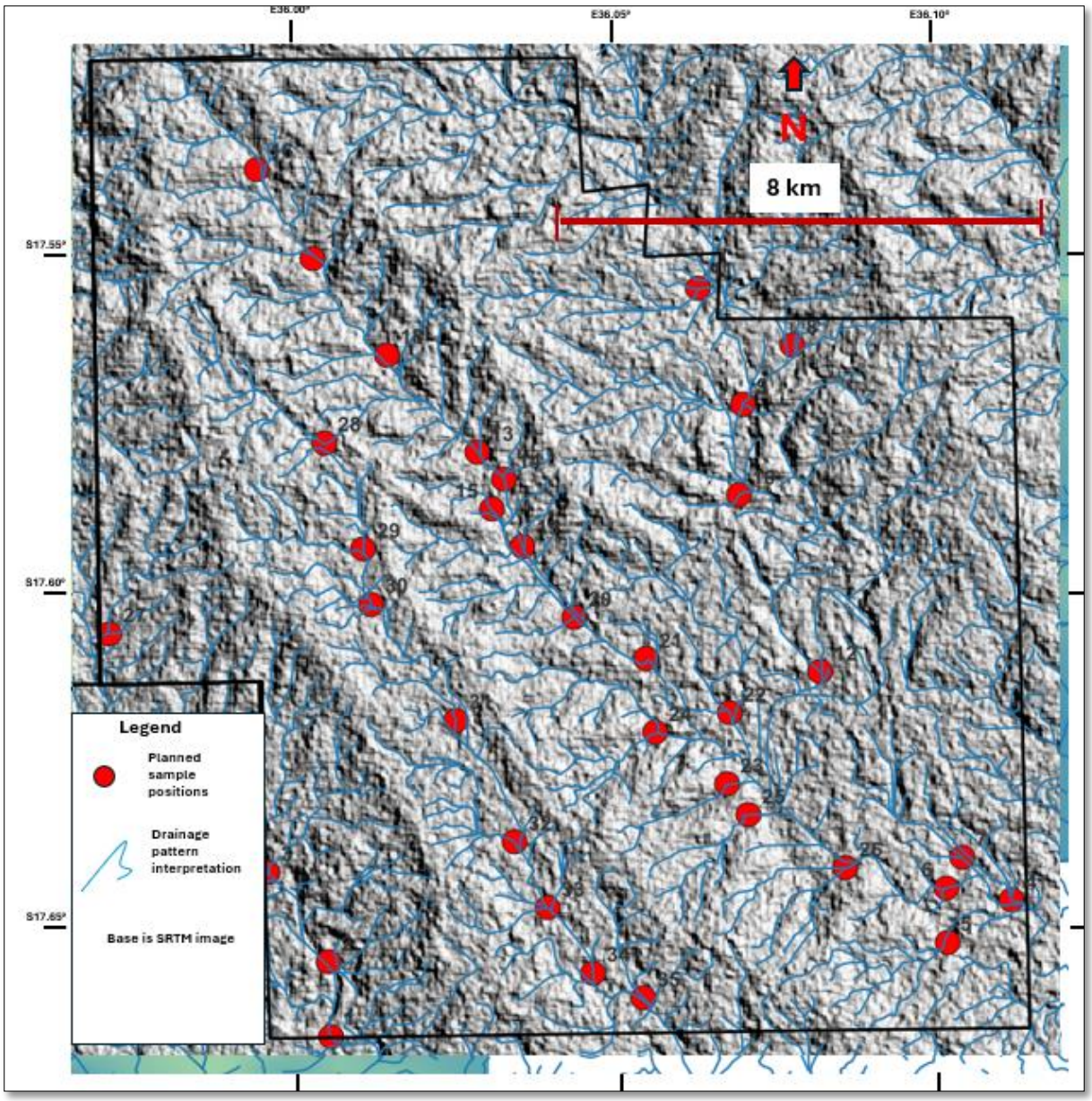

Figure 2: *Interpreted drainage pattern (blue) and planned drainage sediment sample positions (red) shown on Shuttle Radar Topography Mission (SRTM) generated image. 35 Samples were planned, with 7 samples added in the field based on field observations.*

Field sampling involved a team of a geologist, technician and four labourers collecting two buckets of material from each sample point (**Figure 9a**) and placing the sample in 50kg maize bags (**Figure 9b**). Samples were collected in places considered geologically suitable for the deposition of heavy minerals in the streams (trap areas). Each sample was panned for visual estimation of the heavy mineral concentrate (**Figure 9b)**, with sample 2402SED017 in the photo being one of the very high TREO and ThO_2 samples, note the high amount of heavy minerals in the pan.

Each sample was properly labelled and photographed, the coordinates were recorded (**Table 1**) and notes on the characteristics of the samples taken. The samples were approximately 40cm deep and 30cm in diameter at each sample point. They were then transported to the sample handling facility then weighed after being dried.

Once the samples were dried, they were weighed and the weights recorded. An angled metal grid was used to screen all the samples for the removal of coarse sediments (pebbles). The fine sediments that fell under the grid were collected and placed in properly labelled bags. The coarse and fine samples were weighed separately and the weights recorded. The fine samples were stirred in order to homogenize the concentration of heavy minerals in them. A kitchen sieve was used to sieve out between 300g and 400g of the samples for laboratory analyses.

These samples were put in a cloth bag, with weights between 32g to 40g. The samples were delivered to ALS analytical laboratory (**ALS**) in Johannesburg, South Africa, analyses took place at ALS, Ireland. The analytical techniques by ALS were Multi Element ICP-AES or MS, with base metals analysed via Multi Element ME-MS by 4-acid digestion. Four QAQC samples were added by MRG to the 42 samples, three pulp standards and one pulp blank sourced from African Mineral Standards (**AMIS**) in Johannesburg, South Africa. Good correlation was seen with the QC samples.

The full analytical results received from ALS is detailed in **Table 2**. Very high total rare earth oxides (**TREO**, 16 REO including Y_2O_3, highlighted in red in Table 2) were returned (**Figure 3**).

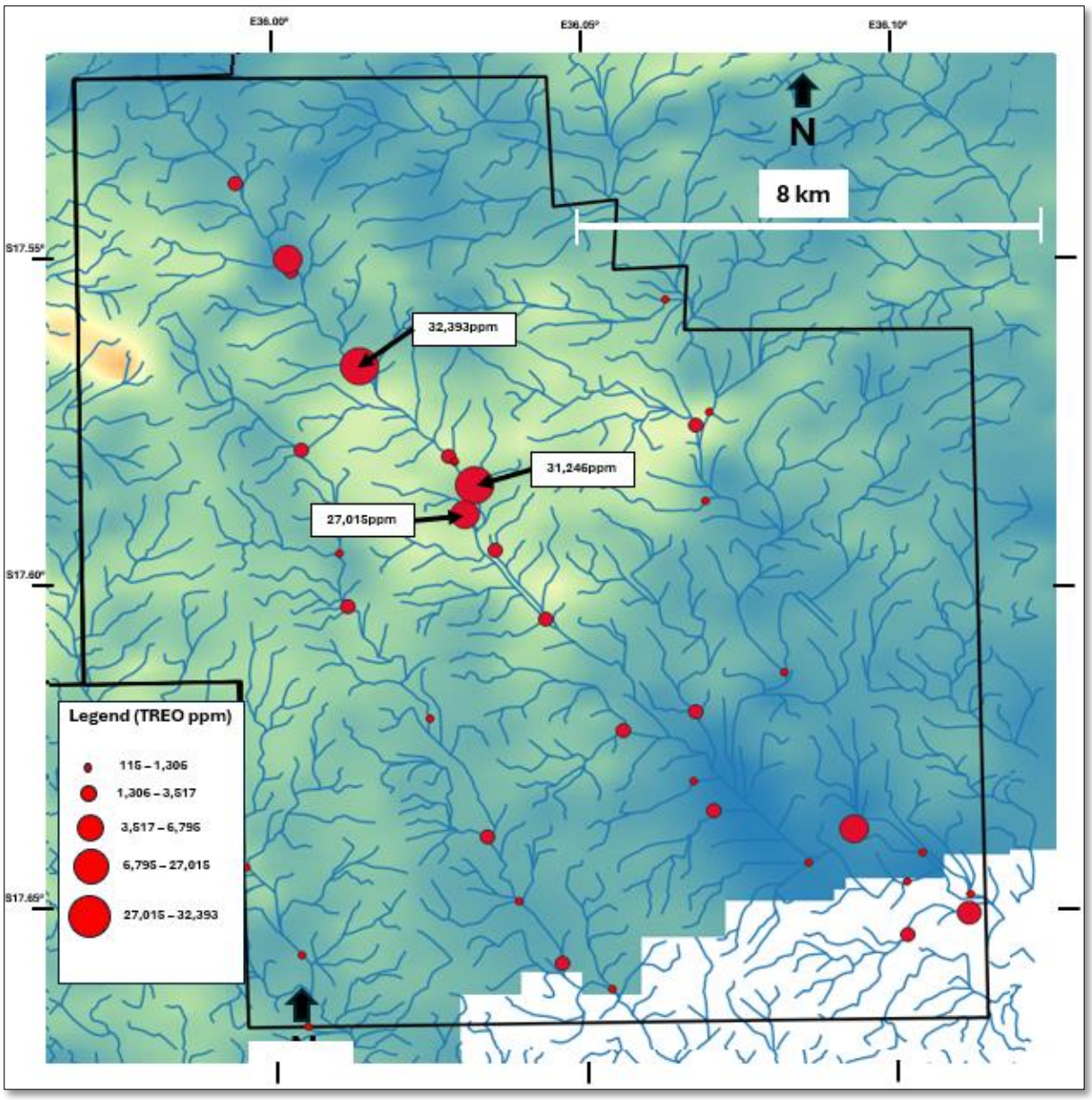

Figure 3: *Figure shows the total rare earth oxides (TREO) results for the 42 samples on a re-interpreted radiometric image showing the relative Th values.*

Samples 2402SED002, 2402SED017 and 2402SED018 showed CeO_2 results above the detection limit of the analytical technique (>12,300ppm or >1.23%), highlighted in yellow in the table, while also showing results above the detection limit of the analytical technique (>1,170ppm) in Pr_2O_3 and Th (**Table 2**, highlighted in green and blue respectively). **Sample 2402SED002 also showed the highest TREO value of 32,393ppm (3.24%) TREO,** samples 2402SED017 and 2402SED018 also returned >2.7% TREE results, with 31 samples in total returning >1,000ppm TREO results (**Figure 3**).

Magnet rare earth oxides (**MREO**; being neodymium, praseodymium, dysprosium and terbium) make up approximately 22% of the TREO from the 42 samples (between 21% and 28% of individual samples). High ThO_2 results (**Figure 4**), with the ThO_2 and TREO results correlating very well (**Figure 5**). This correlation will allow ThO_2 to be used as proxy for REO values during exploration, with confirmatory analyses then being done on REO values. Very high ZrO_2 results were also received (**Figure 6**), with samples 2402SED002, 2402SED017 and 2402SED018 again showing ZrO_2 results above the detection limit of the analytical technique (>13,500ppm or >1.35%; Table 2, highlighted in brown). Elevated values of Ni, Pb and Zn can also be seen in the results (**Table 2).**

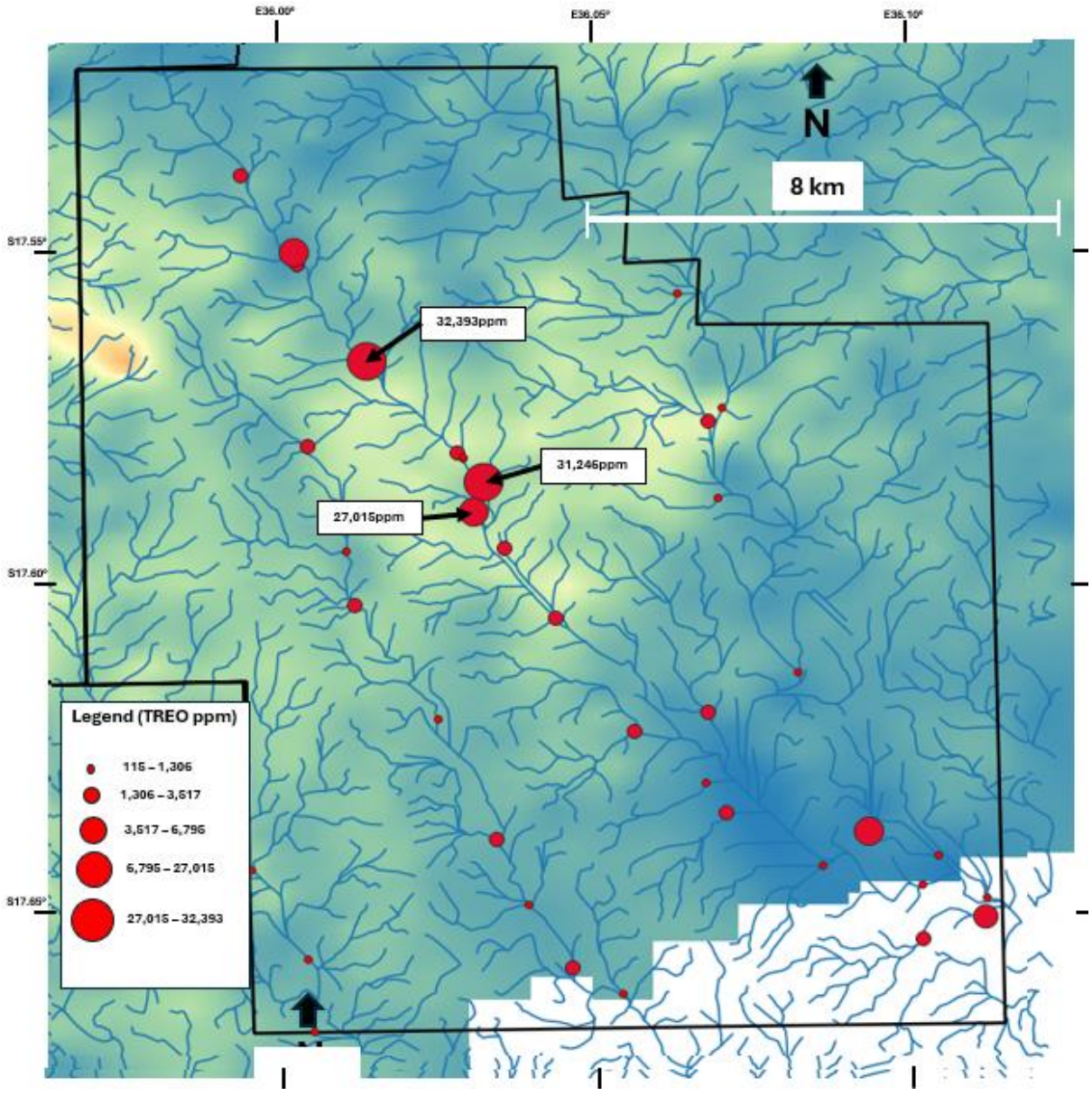

Figure 4: *Figure shows the Thorium oxide (ThO_2) results for the 42 samples on a re-interpreted radiometric image showing the relative Th values.*

Five heavy mineral concentrate (**HMC**) composite samples were generated from different drainage areas. The composites are of panned HMC from different sample areas within each HMC composite area. These samples are currently undergoing a mineralogical investigation, with the main aim to identify and isolate a sample/samples with sufficient amount of monazite (the mineral expecting to host the REEs, **refer ASX Announcement 11 May 2022**). Initial work has involved magnetic separation of the 5 HMC samples, during stereo microscopy monazite was identified in the magnetic-others fraction (**Figure 8a**). Zircon, the source of the ZR, was also clearly visible in the non-magnetic fraction (**Figure 8b**).

Comparing the very high TREO results with the regional geological map, a possible geological constraint can be seen to the TREO values within the migmatite and undifferentiated granite units (**Figure 7**). Note the high TREO values in all the samples in the south and southeast of Adriano in the alluvial and fluvial sediments.

Follow-up exploration will involve:

- Completion of the mineralogical study, which will also analyse the monazite to confirm the REEs in the monazite.
- Closer spaced stream sedimentary sampling in adjacent catchments of samples 2402SED002, 2402SED017 and 2402SED018 to test the primary granite source.
- Ridge and Spur soil and outcrop sampling in the area of the high TREO results (**Figure 3**).
- Hand-auger drilling in area of very high TREO results to test for eluvial / alluvial deposits in the soils (**Figure 3**).
- Hand-auger drilling in the alluvial area in the south of the licence looking for alluvial deposits (**Figure 3**).

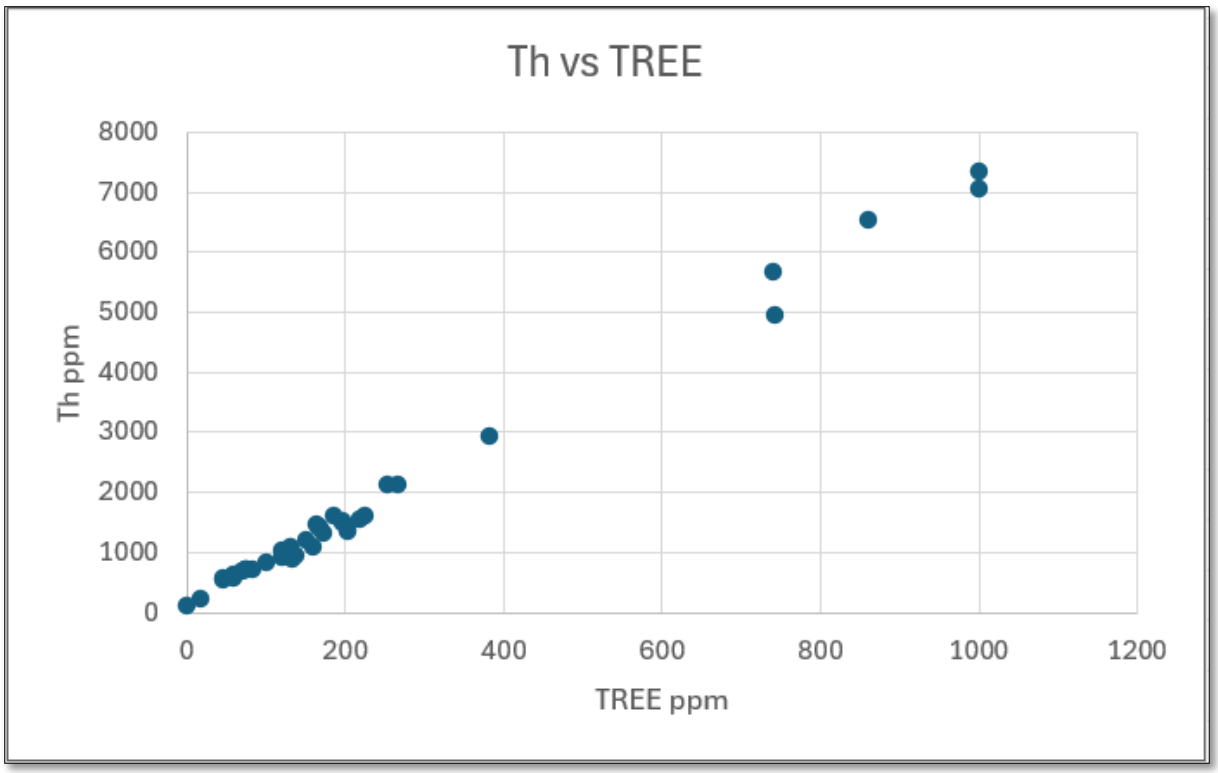

Figure 5: *Graph showing the very good relationship between Th and TREE results for the 42 samples. shows the Thorium (Th) results for the 42 samples on a re-interpreted radiometric image showing the relative Th values.*

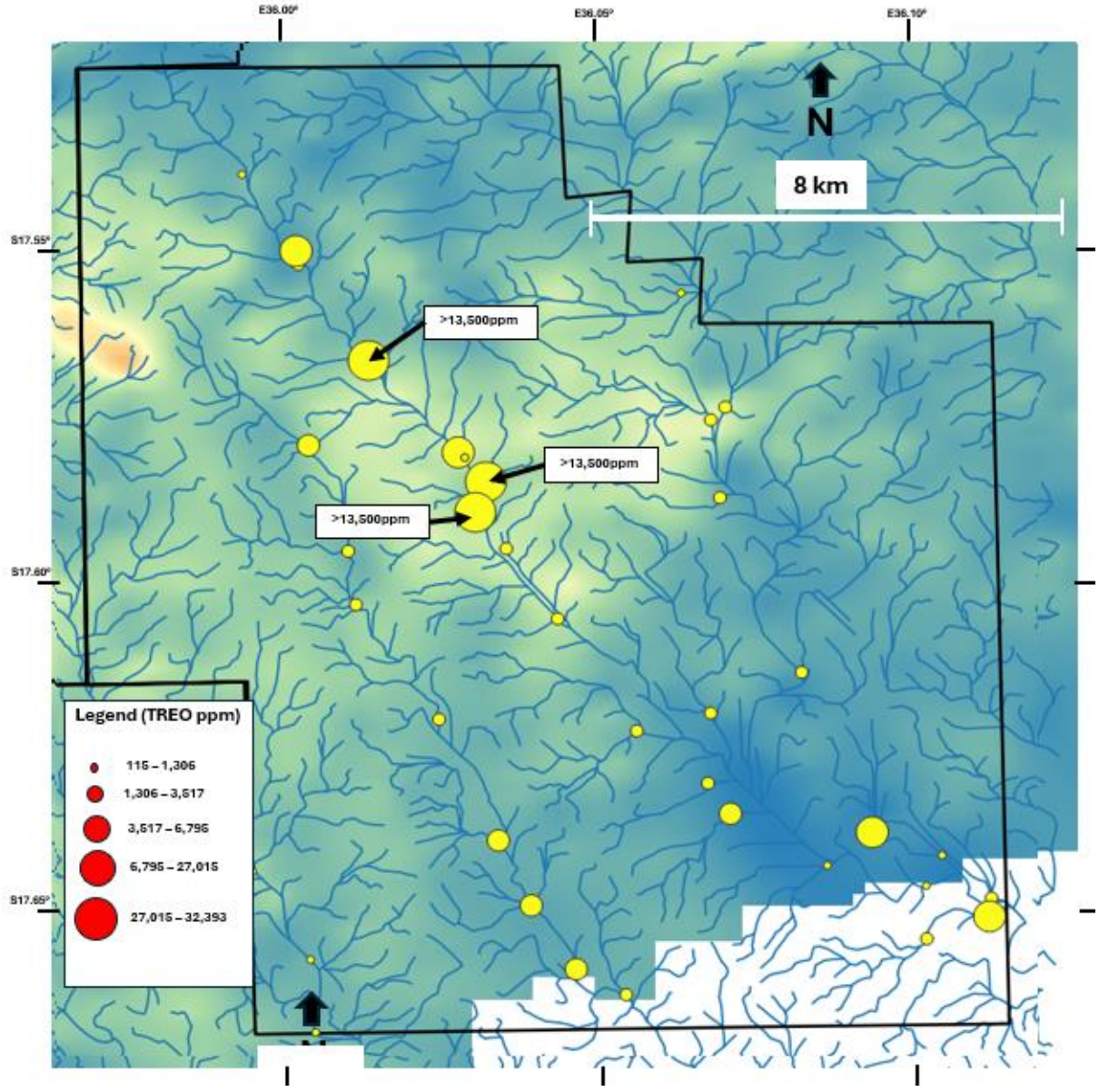

Figure 6: *Figure shows the zirconium (ZrO_2) results for the 42 samples on a re-interpreted radiometric image showing the relative Th values.*

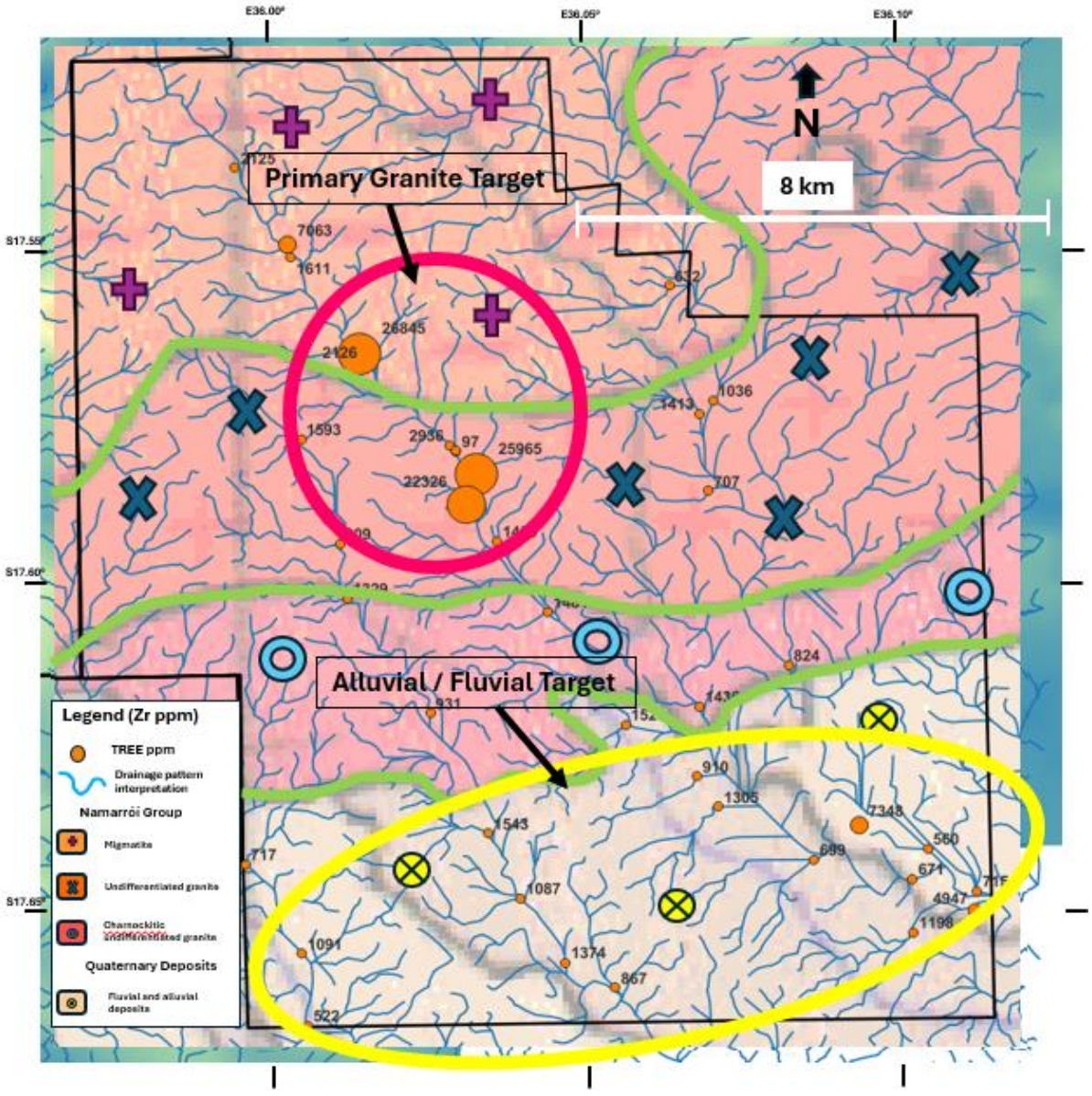

Figure 7: *Figure shows the total rare earth elements (TREO) results for the 42 samples on the regional geological map, with the possible geological control seen from the high grades TREO samples in the Undifferentiated granite unit. The primary granite and alluvial / fluvial targets are also shown.*

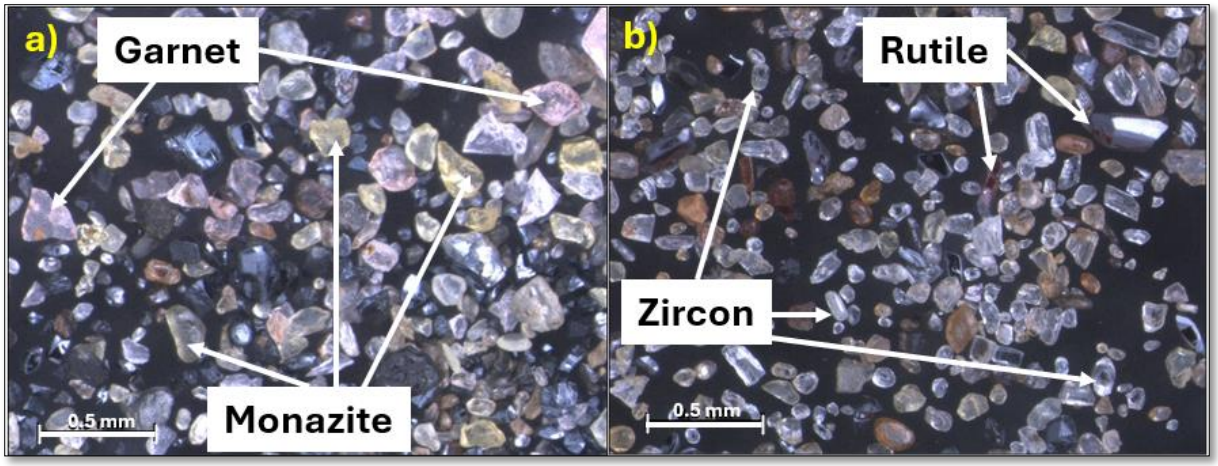

Figure 8: *Stereo microscope images from progress mineralogical study showing the presence of 9(a) monazite (M), 9(b) zirconium (Zr)*

Figure 9: *a) typical stream sediment sample location and equipment in the field at Adriano 11002L; b) sample 2402SED017 in the field, one of the samples with very high TREO results as seen in the pan.*

Table 1: Hand-held GPS positions of all samples collected

SAMPLE_ID	UTM_N_WGS84	UTM_E_WGS84	ELEVATION_M
2402SS001	8055506	183661	107
2402SED002	8055478	183618	99
2402SS003	8057108	182475	119
2402SED004	8057316	182430	114
2402SED005	8058607	181561	119
2402SS006	8054044	182651	127
2402SS007	8052278	183287	119
2402SS008	8051365	183412	114
2402SS009	8049431	184776	100
2402SS010	8047407	185732	96
2402SS011	8046310	186263	92
2402SS012	8044810	187813	77
2402SS013	8045232	186994	83
2402SED014	8053934	185087	95
2402OC015	8053842	185197	99
2402OC016	8053854	185192	93
2402SED017	8053449	185532	83
2402SED018	8052935	185360	78
2402SED019	8052316	185868	84
2402SS020	8051140	186704	74
2402SED021	8050447	187839	68
2402SS022	8049549	189198	54
2402SS023	8049237	187988	70
2402SS024	8048368	189155	59
2402SS025	8047854	189505	53
2402SS026	8046971	191080	50
2402SED027	8045384	182669	55
2402SS028	8044169	182757	59
2402SED029	8046882	181733	58
2402SED030	8051990	815565	106
2402SS031	8050946	815996	96
2402SS032	8056623	188700	71
2402SS033	8054475	189199	81
2402SED034	8053171	189350	76
2402SED035	8054688	189417	70
2402SS036	8050234	190664	67
2402SS037	8047147	192955	54
2402SS038	8046640	192701	58
2402SS039	8046435	193757	70
2402SS040	8045738	192714	103
2402SED041	8046117	193731	55
2402SED042	8047546	191823	49

Table 2: Analytical results from ALS for all 42 samples

SAMPLE DESCRIPTION	CeO_2 ppm	Dy_2O_3 ppm	Er_2O_3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Ho_2O_3 ppm	La_2O_3 ppm	Lu_2O_3 ppm	Nd_2O_3 ppm
2402SS001	1280	7.76	3	2.77	31.6	1.13	569	0.48	455
2402SED002	>12300	113	23	24.2	535	12.6	8940	2.73	7720
2402SS003	975	6.6	2.82	1.93	21.7	1.02	443	0.47	334
2402SED004	4190	20.6	5.65	4.25	92	2.55	2030	0.78	1480
2402SED005	1265	8.71	2.48	2.07	31.1	1.19	619	0.33	427
2402SS006	966	5.11	1.96	1.42	20.5	0.74	440	0.39	329
2402SS007	518	6.91	3.18	1.83	16.25	1.13	257	0.45	196
2402SS008	803	6.24	2.1	1.63	19.7	0.88	364	0.27	275
2402SS009	558	4.52	2.2	1	13.65	0.77	251	0.41	196.5
2402SS010	941	5.98	2.39	0.97	21	0.81	433	0.42	308
2402SS011	667	3.59	1.68	0.89	12.4	0.54	297	0.35	224
2402SS012	520	4.68	2.17	0.91	12.2	0.77	238	0.49	179
2402SS013	833	5.78	2.3	1.02	17.25	0.85	376	0.36	288
2402SED014	1745	11.95	5.02	3.01	37.7	1.89	816	0.86	628
2402OC015	41.8	7.39	5.83	1.7	3.49	1.75	26.6	0.94	11.4
2402OC016	127	2.19	1.6	2.36	3.78	0.49	63.8	0.26	44.2
2402SED017	>12300	76	16.35	26.6	424	8.32	8670	1.88	7260
2402SED018	>12300	74	19.3	17.5	365	9.13	6190	2.34	5720
2402SED019	875	7.24	3.27	2.28	21.6	1.15	384	0.49	306
2402SS020	888	7.26	3.24	2.39	21.9	1.17	401	0.49	311
2402SED021	3370	18.65	5.24	5.48	78.6	2.35	1575	0.68	1215
2402SS022	865	8.22	3.25	2.73	24.4	1.21	373	0.55	308
2402SS023	926	7.53	2.81	1.97	21	1.13	408	0.5	316
2402SS024	536	5.58	1.85	1.56	15.95	0.74	250	0.36	192.5
2402SS025	789	6.36	2.88	1.96	18.2	1.04	352	0.58	273
2402SS026	405	6.99	4.03	2.77	11.6	1.33	193	0.59	143
2402SED027	658	6.54	3.6	2.45	15.75	1.21	301	0.53	220
2402SS028	290	9.08	5.25	3.03	11.55	1.67	139.5	0.68	109
2402SED029	420	6.23	3.19	2.47	10.6	1.2	208	0.48	142.5
2402SED030	3810	28.9	7.64	5.3	114	3.59	1775	0.99	1435
2402SS031	334	4.74	2.66	2.37	9.5	0.87	160.5	0.39	118
2402SS032	357	7.9	4.39	2.54	13	1.53	167	0.61	136
2402SS033	818	7.04	3.01	2.22	22.5	1.03	402	0.51	302
2402SED034	407	5.72	3.06	2.28	11.7	1.08	202	0.53	146.5
2402SED035	597	7.95	3.89	2.77	17.25	1.44	290	0.63	220
2402SS036	474	5.8	3.25	2.45	13.5	1.1	233	0.57	174.5
2402SS037	306	8.38	4.96	2.85	12.95	1.72	154	0.77	119.5
2402SS038	378	8.85	5.43	2.89	14.25	1.67	188	0.86	136
2402SS039	404	7.43	4.27	2.47	13.7	1.4	197.5	0.74	153
2402SS040	719	7.63	3.65	2.72	18.15	1.28	325	0.53	251
2402SS041	2840	17.25	5.11	3.13	72.2	2.27	1420	0.9	1100
2402SS042	4300	22.6	6.07	4.63	98.2	2.66	2020	0.86	1655

SAMPLE DESCRIPTION	Pr_2O_3 ppm	Sc_2O_3 ppm	Sm_2O_3 ppm	Tb_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Y_2O_3 ppm	ZrO_2 ppm	ThO_2 ppm
2402SS001	127	6.1	65.9	2.45	0.45	3.01	37.1	4500	289
2402SED002	>1170	64.3	1085	40.7	2.65	15.1	345	>13500	>1140
2402SS003	92.9	15.3	45.6	1.75	0.41	2.64	33	2180	257
2402SED004	419	29.4	203	6.93	0.78	4.44	81.3	6120	>1140
2402SED005	123	14.6	59.7	2.52	0.35	2.36	36.7	1640	305
2402SS006	92.8	8.9	47.1	1.52	0.34	2.44	25.9	4550	213
2402SS007	54.2	13.5	27	1.75	0.43	3.02	31.5	2930	136.5
2402SS008	77.1	8.9	38.4	1.8	0.27	1.66	26.8	2260	232
2402SS009	54.2	10.6	29.1	1.19	0.37	2.51	27.2	3230	157
2402SS010	89.2	10.1	42.2	1.8	0.42	2.79	27.8	4540	248
2402SS011	63.4	8.3	28.8	1.01	0.25	2.1	17.3	3620	182.5
2402SS012	50.8	12.3	25.5	1.17	0.39	2.8	23.6	3300	151.5
2402SS013	80.2	10.9	37.2	1.5	0.34	2.62	27.8	3900	231
2402SED014	172.5	29.9	85.5	3.25	0.73	5.15	61.8	6210	435
2402OC015	3.62	20.4	2.05	0.93	0.91	6.52	58.8	721	1.1
2402OC016	12.65	7.1	7.26	0.47	0.27	1.81	16.4	232	21
2402SED017	>1170	27	973	27.9	1.86	11.6	251	>13500	>1140
2402SED018	>1170	45.6	797	25	2.32	13.85	264	>13500	>1140
2402SED019	85.4	17.5	45.5	1.93	0.54	3.6	40	1855	187
2402SS020	87.3	15.3	43.4	1.98	0.46	3.23	39	2570	225
2402SED021	341	15.8	171.5	5.71	0.75	4.6	74.2	4980	842
2402SS022	81.8	8.3	45.7	2.28	0.5	3.45	39.6	2690	189
2402SS023	88.9	6.9	41	1.93	0.47	3.18	35	3010	225
2402SS024	53.4	7.4	28.6	1.38	0.32	1.99	24.3	2010	148
2402SS025	76.3	8.6	37.1	1.59	0.51	3.7	34.9	4400	197.5
2402SS026	40.6	18.7	21.5	1.4	0.64	3.77	45.2	1585	85.9
2402SED027	61.8	16.6	29.5	1.59	0.49	3.13	38.7	1620	149.5
2402SS028	29.7	26.1	17	1.68	0.79	5.32	57.4	497	53.9
2402SED029	40.8	14.3	18.6	1.24	0.48	3.31	36.4	621	95.8
2402SED030	390	32.5	215	9.1	1.03	5.97	112.5	5000	981
2402SS031	33.5	10.9	18.55	1.04	0.39	2.52	28.4	1715	66.7
2402SS032	37	21.5	21.5	1.6	0.62	4.51	49.8	1390	68.8
2402SS033	84.5	17.9	42.7	1.84	0.45	3.21	34.9	2810	192.5
2402SED034	41.5	23.9	20.4	1.15	0.46	3.1	33	1920	84.1
2402SED035	61.7	23.3	31.4	1.77	0.59	3.93	43.4	1945	138.5
2402SS036	49.5	23	23.2	1.31	0.46	3.59	34.4	2320	115
2402SS037	32.9	28.2	17.85	1.75	0.7	4.44	54.7	948	52.5
2402SS038	38.5	24.2	20.3	1.63	0.77	4.82	54.7	1225	80.3
2402SS039	41.5	23.8	22.6	1.54	0.55	4.44	45.5	2320	87.7
2402SS040	67.4	14.4	33.7	1.69	0.54	3.42	38.1	2600	172.5
2402SS041	305	28.1	148	5.36	0.64	4.67	66.4	6020	844
2402SS042	460	43.9	210	7.12	0.81	5.29	77.7	8960	>1140

SAMPLE DESCRIPTION	TiO_2 ppm	U_3O_8 ppm	BaO ppm	Ga_2O_3 ppm	HfO_2 ppm	Nb_2O_5 ppm	SrO %	Cs_2O ppm	Ta_2O_5 ppm
2402SS001	3	12.25	1755	23.3	95.2	74.7	178.5	0.49	2.9
2402SED002	>16.7	188	397	7.8	611	717	82.2	0.24	29.7
2402SS003	3.25	8.8	1090	22.4	47.8	98.6	149	0.68	4.2
2402SED004	10.75	34.2	1105	19.6	132	255	291	0.87	11.1
2402SED005	3.12	10.7	1085	22.3	36.6	89.7	325	0.67	3.3
2402SS006	2.69	12.45	873	11	98.4	65.5	90.9	0.38	2.7
2402SS007	1.77	8.74	718	16.3	68.9	62.4	84.7	0.9	2.7
2402SS008	1.63	9.45	760	11.8	52.4	47.1	72.1	0.54	2.1
2402SS009	2.37	7.36	372	11	68.4	84.7	38.2	0.63	3.5
2402SS010	5.49	11.65	272	9.1	99.9	206	28.4	0.28	9
2402SS011	4.49	8.43	428	8.7	78	165	43.2	0.31	7.1
2402SS012	3.39	8.3	243	11.2	74.3	121	22.9	0.6	5.3
2402SS013	5.57	9.39	377	8.7	85.4	211	39.7	0.25	9.3
2402SED014	9.24	18.8	1495	22.6	132.5	335	238	0.67	15
2402OC015	0.57	0.71	1630	18.5	17	15.75	254	0.45	0.5
2402OC016	0.18	1.26	2170	18.4	5.38	4.25	370	0.68	0.1
2402SED017	11.05	125	1235	21.5	524	318	180.5	0.55	12.5
2402SED018	>16.7	112.5	718	23.3	435	509	140	0.36	14.2
2402SED019	2.85	5.98	1640	23.8	38.6	64.4	305	0.54	2.6
2402SS020	1.98	8.77	1080	20.3	57.1	53.2	116	1.06	2.4
2402SED021	4.07	24.3	1505	24.5	107	94.4	254	0.61	3.8
2402SS022	2.19	8.56	1910	18.8	56.6	53.4	219	0.65	2.2
2402SS023	2.74	9.59	1355	12.5	63.8	109.5	150	1.13	5.1
2402SS024	2.15	8.02	1515	13	43.9	73	160	1.74	3.4
2402SS025	3.85	11.35	1425	13.7	92.9	135	142.5	0.9	6.1
2402SS026	2.24	4.87	1780	25.9	35.3	73.7	234	1.3	3.3
2402SED027	2.19	5.94	1580	21.9	36.7	65.8	237	0.99	2.8
2402SS028	1.08	2.89	1385	33.2	11.45	30.9	175.5	1.78	1.2
2402SED029	0.92	4.19	1675	23.3	14.35	25.8	244	1.19	1.1
2402SED030	5.9	31	1145	21.9	104.5	110	206	0.58	4.5
2402SS031	1.48	4.07	2030	23.5	37.7	51.9	293	0.8	2.3
2402SS032	1.43	4.65	1630	28	30.9	44.2	241	1.29	2.1
2402SS033	2.04	10.65	1770	21	65.7	63.4	213	0.88	2.8
2402SED034	2.04	5.02	1615	23.3	46.2	64.2	258	0.94	2.7
2402SED035	1.9	5.93	1500	25.5	46.7	45.1	248	1.05	1.8
2402SS036	2.35	6.93	1985	21.5	54.4	86.8	240	1	3.7
2402SS037	1.08	3.79	1590	27.8	22.9	31.9	234	1.38	1.3
2402SS038	1.4	4.78	1475	25.7	29.8	38.9	179	1.7	1.5
2402SS039	1.77	6.18	1565	25.3	55.5	58.8	241	1.23	2.6
2402SS040	2.62	7.45	1185	16.3	52	105.5	132	0.8	4.3
2402SS041	11.25	32.3	1215	15.5	137	406	185	0.53	18.3
2402SS042	>16.7	39.4	1095	13.4	190.5	784	153.5	0.47	26.3

SAMPLE DESCRIPTION	Rb_2O ppm	SnO_2 ppm	Cr_2O_3 ppm	V_2O_5 ppm	WO_3 ppm	SiO_2 %	Al_2O_3 %	Fe_2O_3 %	CaO %
2402SS001	108.5	2.5	156	236	3	74.4	11.3	2.5	0.27
2402SED002	25.5	15.7	574	1465	12.6	22.1	5.54	28.1	0.63
2402SS003	86.3	2.5	170	241	5.3	71.5	11.65	3.57	0.35
2402SED004	94.5	5.3	267	546	5.9	53.9	11.25	11.2	1.84
2402SED005	102.5	1.8	85	205	3	66.7	13.75	4.08	2.37
2402SS006	54.7	2.3	132	146	2.6	82.1	5.95	1.5	0.25
2402SS007	58.3	2.5	129	155	2	79.7	8.9	2.39	0.35
2402SS008	51.6	1.1	121	109	2.3	83.5	6.48	1.01	0.15
2402SS009	34.8	2.5	168	148	3.4	85.1	5.47	1.72	0.11
2402SS010	21.5	4.7	324	266	7.2	86.6	3.08	1.35	0.03
2402SS011	33.2	3.6	288	230	5	86.8	3.64	1.28	0.03
2402SS012	25.9	3.8	240	207	4	84.5	5.3	1.98	0.03
2402SS013	28.9	3.7	322	266	5.4	85.5	3.23	1.46	0.03
2402SED014	128.5	5.6	267	494	5.3	58.7	12.4	9.85	1.26
2402OC015	105.5	0.9	143	64	4	72.9	13.2	3.57	1.73
2402OC016	132.5	<0.6	16	18	2.1	75.2	13.35	1.25	2.26
2402SED017	89.7	6.5	221	634	9.3	49.6	10.9	11.55	1.07
2402SED018	48.7	12.8	438	1080	12.1	38	9.67	19.3	0.99
2402SED019	109.5	2.9	143	187	2.6	68.6	13.95	4.65	1.54
2402SS020	111.5	2.4	132	159	3.3	72	11.55	3.46	0.12
2402SED021	103.5	2.7	177	241	4.2	64.4	13.2	5.42	1.28
2402SS022	136.5	1.8	89	132	5.9	73.6	11.05	2.7	0.67
2402SS023	151.5	1.8	108	143	3	78.2	8.21	1.7	0.08
2402SS024	189.5	1.7	67	100	9.3	76.9	9.26	1.34	0.06
2402SS025	140	2.5	148	196	5.2	76.4	8.36	2.44	0.08
2402SS026	157	1.5	127	198	3.9	65	14.9	5.12	0.8
2402SED027	144.5	2.2	146	191	2.9	65.3	12.85	4.39	1.01
2402SS028	170.5	2	180	209	2.5	54.6	17.55	6.88	0.77
2402SED029	163	1.4	126	130	2.4	60.9	13.95	4.53	0.95
2402SED030	99.2	3.9	205	437	3.2	55.1	13.95	9.42	1.82
2402SS031	179	1.1	98	143	6.1	70.5	13.65	3.37	1.16
2402SS032	162.5	1.8	142	198	2.3	62.1	15.65	5.53	1.21
2402SS033	150.5	1.9	96	182	<0.6	73.4	12.8	2.69	0.49
2402SED034	139.5	2	113	184	<0.6	68.6	14.05	4.37	1.1
2402SED035	116.5	2.5	137	243	<0.6	65.5	15	4.63	1.14
2402SS036	188	1.7	120	207	1	69.8	13.25	3.67	0.24
2402SS037	166	0.9	121	186	<0.6	60.4	16.4	5.64	1.08
2402SS038	151.5	2.3	108	148	<0.6	64.6	15.9	3.28	0.5
2402SS039	157.5	1.8	134	221	<0.6	64.7	15.2	5.12	0.93
2402SS040	129.5	2.5	134	154	2.3	75.9	9.45	2.81	0.17
2402SS041	104	6.1	213	637	5.3	57.7	9.09	12.85	0.74
2402SS042	95.5	8.8	285	1010	14.6	42.9	7.51	21.1	0.58

SAMPLE DESCRIPTION	MgO %	Na_2O %	K_2O %	Cr_2O_3 %	TiO_2 %	MnO %	P_2O_5 %	SrO %	BaO %
2402SS001	0.1	0.34	3.28	0.014	2.69	0.09	0.14	0.01	0.16
2402SED002	0.67	0.35	0.71	0.055	27.9	0.51	2.34	0.02	0.04
2402SS003	0.21	0.38	2.18	0.016	2.99	0.04	0.1	0.01	0.1
2402SED004	0.76	1.3	2.4	0.024	9.97	0.21	0.52	0.03	0.1
2402SED005	0.43	1.89	2.96	0.008	2.82	0.05	0.18	0.03	0.1
2402SS006	0.08	0.26	1.58	0.012	2.46	0.03	0.11	<0.01	0.08
2402SS007	0.27	0.36	1.32	0.013	1.71	0.02	0.07	<0.01	0.07
2402SS008	0.09	0.27	1.5	0.012	1.46	0.01	0.09	<0.01	0.07
2402SS009	0.1	0.09	0.75	0.015	2.11	0.08	0.07	<0.01	0.03
2402SS010	0.03	0.04	0.61	0.029	5.08	0.03	0.09	<0.01	0.03
2402SS011	0.03	0.06	0.89	0.025	4.14	0.02	0.07	<0.01	0.04
2402SS012	0.06	0.05	0.48	0.022	3.1	0.06	0.06	<0.01	0.02
2402SS013	0.03	0.07	0.81	0.028	5.03	0.03	0.09	<0.01	0.03
2402SED014	0.64	1.26	3.45	0.023	8.42	0.18	0.2	0.02	0.14
2402OC015	0.69	2.21	3.98	0.013	0.53	0.07	0.02	0.02	0.15
2402OC016	0.49	2.36	3.94	0.002	0.17	0.03	0.05	0.03	0.2
2402SED017	0.48	1.12	2.44	0.021	11.1	0.22	1.8	0.02	0.12
2402SED018	0.75	0.78	1.41	0.043	19.75	0.34	1.4	0.02	0.07
2402SED019	0.53	1.68	3.28	0.013	2.61	0.09	0.12	0.03	0.15
2402SS020	0.29	0.22	2.57	0.012	1.84	0.02	0.11	0.01	0.1
2402SED021	0.38	1.4	2.95	0.016	3.88	0.13	0.36	0.03	0.14
2402SS022	0.21	0.88	3.85	0.008	2	0.09	0.12	0.02	0.18
2402SS023	0.11	0.3	4.39	0.01	2.51	0.04	0.1	0.01	0.13
2402SS024	0.1	0.3	5.32	0.006	1.95	0.04	0.07	0.01	0.14
2402SS025	0.11	0.27	3.79	0.013	3.48	0.07	0.07	0.01	0.13
2402SS026	0.54	1.1	3.9	0.012	2	0.15	0.08	0.02	0.16
2402SED027	0.49	1.08	3.65	0.013	2.04	0.07	0.13	0.02	0.15
2402SS028	1.04	0.67	2.96	0.017	1.02	0.11	0.13	0.01	0.13
2402SED029	0.52	1.1	4.05	0.012	0.87	0.08	0.14	0.02	0.16
2402SED030	0.79	1.67	2.61	0.018	5.53	0.19	0.45	0.02	0.11
2402SS031	0.44	1.4	4.92	0.008	1.34	0.07	0.14	0.03	0.19
2402SS032	0.76	1.18	3.73	0.013	1.3	0.11	0.15	0.02	0.15
2402SS033	0.19	0.83	4.64	0.01	2.1	0.07	0.12	0.02	0.18
2402SED034	0.53	1.38	4.27	0.012	2.07	0.07	0.11	0.02	0.17
2402SED035	0.52	1.32	3.31	0.014	1.92	0.07	0.17	0.02	0.15
2402SS036	0.19	0.7	5.53	0.012	2.43	0.06	0.09	0.02	0.2
2402SS037	0.7	1.11	4.02	0.012	1.08	0.1	0.11	0.02	0.16
2402SS038	0.41	0.52	3.67	0.012	1.45	0.09	0.06	0.01	0.15
2402SS039	0.55	1.22	4.17	0.013	1.79	0.1	0.15	0.02	0.16
2402SS040	0.16	0.3	3.21	0.013	2.84	0.06	0.08	0.01	0.12
2402SS041	0.39	0.94	3.29	0.021	11.95	0.23	0.34	0.02	0.12
2402SS042	0.38	0.74	2.99	0.027	21.2	0.36	0.51	0.02	0.11

SAMPLE DESCRIPTION	Ag %	As %	Cd ppm	Co ppm	Cu ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm
2402SS001	<0.5	<5	<0.5	10	14	10	1	14	42
2402SED002	0.8	<5	0.8	56	17	10	4	134	176
2402SS003	<0.5	<5	<0.5	8	11	20	1	14	38
2402SED004	<0.5	<5	<0.5	22	17	10	2	45	61
2402SED005	<0.5	<5	<0.5	9	16	10	1	16	46
2402SS006	<0.5	<5	<0.5	3	3	10	1	9	32
2402SS007	<0.5	<5	<0.5	9	4	30	1	12	37
2402SS008	<0.5	<5	<0.5	4	4	10	1	8	34
2402SS009	<0.5	<5	<0.5	8	5	10	2	7	36
2402SS010	<0.5	<5	<0.5	3	2	10	2	6	67
2402SS011	<0.5	<5	<0.5	3	2	10	2	5	58
2402SS012	<0.5	<5	<0.5	9	7	10	1	11	43
2402SS013	<0.5	<5	<0.5	2	3	10	1	10	57
2402SED014	<0.5	7	<0.5	13	11	10	3	37	79
2402OC015	<0.5	6	<0.5	6	3	10	<1	9	27
2402OC016	<0.5	6	<0.5	4	5	10	<1	15	33
2402SED017	<0.5	<5	<0.5	24	13	10	3	156	146
2402SED018	<0.5	<5	<0.5	40	16	10	3	131	141
2402SED019	<0.5	6	<0.5	12	7	10	<1	23	46
2402SS020	<0.5	6	<0.5	5	12	10	1	18	38
2402SED021	<0.5	7	<0.5	20	12	10	1	49	68
2402SS022	<0.5	6	<0.5	10	10	10	<1	17	47
2402SS023	<0.5	5	<0.5	3	4	10	<1	11	57
2402SS024	<0.5	5	<0.5	2	3	10	<1	9	58
2402SS025	<0.5	<5	<0.5	10	5	10	1	14	58
2402SS026	<0.5	<5	<0.5	16	16	10	1	25	40
2402SED027	<0.5	7	<0.5	14	21	10	1	29	47
2402SS028	<0.5	8	<0.5	25	43	30	1	52	37
2402SED029	<0.5	9	<0.5	16	27	20	1	35	49
2402SED030	<0.5	7	<0.5	24	25	10	1	47	39
2402SS031	<0.5	<5	<0.5	11	11	10	1	18	42
2402SS032	<0.5	<5	<0.5	18	28	20	1	33	43
2402SS033	<0.5	5	<0.5	9	9	10	1	15	44
2402SED034	<0.5	5	<0.5	10	14	10	1	20	40
2402SED035	<0.5	8	<0.5	20	20	20	<1	27	45
2402SS036	<0.5	6	<0.5	10	15	10	1	21	51
2402SS037	<0.5	<5	<0.5	16	32	20	1	36	38
2402SS038	<0.5	<5	<0.5	18	20	20	1	21	57
2402SS039	<0.5	<5	<0.5	14	21	10	1	31	45
2402SS040	<0.5	5	<0.5	8	8	10	1	15	55
2402SS041	<0.5	<5	<0.5	25	13	10	3	40	69
2402SS042	<0.5	<5	<0.5	34	14	10	5	61	83

SAMPLE DESCRIPTION	Tl ppm	Zn ppm
2402SS001	<10	69
2402SED002	<10	555
2402SS003	<10	55
2402SED004	<10	198
2402SED005	<10	80
2402SS006	<10	41
2402SS007	<10	39
2402SS008	<10	24
2402SS009	<10	30
2402SS010	<10	25
2402SS011	<10	27
2402SS012	<10	29
2402SS013	<10	30
2402SED014	<10	135
2402OC015	<10	27
2402OC016	10	17
2402SED017	20	283
2402SED018	10	416
2402SED019	<10	104
2402SS020	<10	42
2402SED021	10	138
2402SS022	<10	51
2402SS023	<10	32
2402SS024	<10	21
2402SS025	<10	60
2402SS026	<10	55
2402SED027	<10	120
2402SS028	<10	110
2402SED029	<10	297
2402SED030	<10	167
2402SS031	<10	52
2402SS032	<10	86
2402SS033	<10	52
2402SED034	<10	59
2402SED035	<10	107
2402SS036	10	84
2402SS037	<10	113
2402SS038	<10	51
2402SS039	<10	77
2402SS040	<10	40
2402SS041	<10	215
2402SS042	20	272

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Cautionary Statement

Adriano 11002 is an early stage exploration project. The stream sedimentary sampling involves collecting samples in areas of heavy mineral concentration within the streams, data will be used for target generation and to guide further exploration.

Forward-Looking Statements

This document may include forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning the Company's planned exploration program and corporate activities. When used in this document, the words such as "could", "plan" "estimate", "intend", "may", "potential", "should" and similar expressions are forward-looking statements. Although the Company believes that its expectations reflected in these forward-looking statements are reasonable, such statements involve risks and uncertainties and no assurance can be given that actual results, events and outcomes achieved will be consistent with these forward looking statements.

Competent Person's Statement

The information in this report, relating to Mozambique Exploration Results is based on information compiled and/or reviewed by Mr JN Badenhorst, who is a member of the South African Council for Natural Scientific Professions (SACNASP) and the Geological Society of South Africa (GSSA). Mr Badenhorst is a consultant of the Company and has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which has been 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 Badenhorst consents to the inclusion in this report of the matters based on the information in the form and context in which they appear.

Section 1 Sampling Techniques and Data		
Criteria	**Explanation**	**Comment**
Sampling techniques	*Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* *Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be*	• *A stream sedimentary sampling program on Adriano 11002 was designed utilizing a drainage pattern interpretation.* • *43 samples in total were generated.* • *At each sample point a two 2l buckets are filled with soil from a c 40cm deep hole.* • *Samples are transported to the sampling handling facility in 50kg maize bags.* • *The samples were then sun dried and weighed.* • *A screen was used to remove all oversize (pebbles), both fractions were then weighed.* • *The finer fraction was sieved to between 300 and 400g, placed in a cloth bag and transported to ALS in Johannesburg for analyses.* •

Criteria	Explanation	Comment
	required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.	
Drilling techniques	*Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	*N/A as no drilling has taken place to date*
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.*	*N/A as no drilling has taken place to date*

Criteria	Explanation	Comment
Logging	*Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.* *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* *The total length and percentage of the relevant intersections logged.*	• *All Stream Sedimentary samples are geologically logged, both the fine and coarse fractions* • *The analyses is to be used for target generation, and will not be used in future Mineral Resource estimation.* • *Photographs were taken of all sample points, a heavy mineral concentrate pan is also done on each sample for visual heavy mineral concentrate (HMC) concertation.*
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,*	• *At each sample point a two 2l buckets are filled with soil from a c 40cm deep hole.* • *Samples are transported to the sampling handling facility in 50kg maize bags.* • *The samples were then sun dried and weighed.* • *A screen was used to remove all oversize (pebbles), both fractions were then weighed.* • *The finer fraction was sieved to between 300 and 400g, placed in a cloth bag and transported to ALS in Johannesburg for analyses.*

Criteria	Explanation	Comment
	including for instance results for field duplicate/second-half sampling. *Whether sample sizes are appropriate to the grain size of the material being sampled.*	
Quality of assay data and laboratory tests	*The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.* *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.*	• *Analytical results are from target generation stream sedimentary Sampling, as such an analytical technique analysing a broad spectrum of elements is required.* • *For the program, Base Metals were tested by 4-acid digestion; while a whole rock analyses was done via ICP-OES.* • *The upper detection limits of some of the elements analysed (CE; Pr; Th and Zr) were reached on some samples, but as the analyses is guiding further work, this is not seen as an issue.* • *3 AMIS sourced standards and 1 AMIS sourced blank was added to the 42 samples for analyses by the company. Acceptable levels of accuracy was seen.*

Criteria	Explanation	Comment
Verification of sampling and assaying	*The verification of significant intersections by either independent or alternative company personnel.* *The use of twinned holes.* *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* *Discuss any adjustment to assay data.*	• *Analytical results are from target generation stream sedimentary Sampling.* • *Analytical results are reported as received from ALS analytical laboratory, with no adjustment to assays (results reported in Table 2 in main body).* • *An excel database was created recording all sampling, lithological and analytical information.*
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.*	*The location data from all sampling in is via a handheld Garmin GPS. The handheld GPS has an accuracy of +/-5m in the horizontal, with this accuracy sufficient for the early phase target generation work taking place.*
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*	• *Results from the Stream sedimentary sampling is to be used in generate targets for further exploration.*

Criteria	Explanation	Comment
	continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied. *Whether sample compositing has been applied.*	• *The analytical results are not for use in Mineral Resource and Ore Reserve estimation.*
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.*	• *Stream sedimentary sampling was conducted based on a drainage pattern analyses.* • *The sampling was conducted to generate targets for further exploration.* • *Samples covered the majority of the licence area.*
Sample security	*The measures taken to ensure sample security.*	• *All samples remain in the custody of Company representatives on the project areas, as well as during transport to the sample export facility.* • *Commercial shipping companies are used to transport samples to analytical laboratories.*
Audits or reviews	*The results of any audits or reviews of sampling techniques and data.*	*No review has taken place on data to date.*

Section 2 Reporting of Exploration Results		
Criteria	**Explanation**	**Comment**
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.*	• *Exploration licence Adriano 11002 (Rare earth Elements) was issued on 16/11/2023 and this first period is valid till 16/11/2028.*
Exploration done by other parties	*Acknowledgment and appraisal of exploration by other parties.*	• *No previous exploration has been conducted the Adriano 11002 licence.*
Geology	*Deposit type, geological setting and style of mineralisation.*	• *The licence has a number of hard-rock REE and Th targets associated with primary granitic sources of the Namarrói Group and the contact between different age granites in high-grade metamorphic gneiss within the Mozambique Metamorphic Province. Alluvial targets will be studied in the Quaternary fluvial and alluvial sediments.*

Criteria	Explanation	Comment
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.*	*N/A as no drilling has taken place to date*

Criteria	Explanation	Comment
Data aggregation methods	*In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	*No intercepts, averaging nor high or low grade cut-offs have been used on the analytical data. The TREE value was obtained by adding the laboratory ppm values for each the oxides of the 16 REE elements (La; Ce; Pr; Nd; Sm; Eu; Gd; Tb; Dy; Ho; Er; Tm; Yb, Lu, Sc and Y).*
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*	*N/A as no drilling / trenching has taken place. The data is interpreted as point data (with no depth or strike) and is being used in target generation within the Adriano 11002 licence to guide further exploration.*

Criteria	Explanation	Comment
	effect (eg 'down hole length, true width not known').	
Diagrams	*Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	*All figures (Figures 1 to 9) and Tables (Tables 1 and 2) are in the main body.*
Balanced reporting	*Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	*All exploration results have been reported, with the collar information in Table 1 in the body of the announcement and the analytical results in Table 2 in the body of the announcement.*
Other substantive exploration data	*Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; 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 airborne magnetic and radiometric data are historical regional data, predating the Fugro surveys of the 2000s. We lack metadata. These data were probably collected on a 1,000m line interval. Gamma-ray spectrometer data are recorded in counts per second (cps). Anomalies within an area of interest (AOI) are defined by the relative proportions of cps values in that AOI; statistically determined from the raster histogram of the selected radioelement channel. To assist with target generation the data was re-imaged; on the REE target Th: the distribution is log normal; mean value 376 cps and the 90th percentile 600 cps. Data are rendered above the latter threshold.*

Criteria	Explanation	Comment
		• *Drainage networks were derived from the Shuttle Radar Mission (SRTM) 1 arc-second digital elevation model (i.e. approximately 30 m pixel resolution). The network of flow paths was extracted using the algorithms of TNTMips GIS.*
Further work	*The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• *Geological mapping will take place.* • *Five (5) HMC were generated from different utilizing the stream sedimentary samples. These 5 HMC samples are currently undergoing mineralogical investigations.* • *Ridge and Spur soil and outcrop sampling will be conducted in the primary granite target area around the high REE values obtained from the stream sedimentary sampling program.* • *The soil and alluvial material within the primary granite target area around the high REE samples will be explored by pitting and / hand auger drilling.* • *The soil and alluvial material within the Quaternary target area will be explored by pitting and / hand auger drilling.*