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20 March 2023

ALDORO TO ACQUIRE TRANSFORMATIONAL HEAVY RARE EARTH CARBONATITE PROJECT

Highlights

- **Binding Heads of Agreement executed to acquire 85% interest in the Kameelburg Heavy Rare Earth Carbonatite Project in Namibia**
- **Project is a carbonatite-hosted system that forms a prominent hill rising to 275m, with an approximate diameter of 1.4 km**
- **Historical due diligence rock chip sampling program and a grid-based rock and soil sampling program at 100m intervals returned up to 2.12% TREO in the rocks and up to 2.02% TREO in the soils**
- **Further historical sampling involved a detailed 100m interval grid of rock and regolith sampling program completed over the Kameelburg Carbonatite and surrounding country rock contact with 678 rock and regolith samples collected from 339 sites:**
    - **Assays confirmed TREO (including Y2O3) values up to 2.66% and averaging 1.3% over the carbonatite and P_2O_5 values up to 9.7%**
    - **The rock chip samples recovered values up to 5.56% TREOs, averaging 1.0% over the carbonatite and up to 17.25% P_2O_5**
    - **Niobium Pentoxide assays of up to 4.75% and Strontianite of up to 13.2% were recorded**
    - **The grid samples were contoured, which found the average of the soil samples in the area to be >1% TREO (0.838km^2) contour was 1.44%.**
- **Location near excellent infrastructure, including presence of a well-maintained heavy haul freight railway between the Namibian capital & Walvis Bay Industrial Port**
- **A 220 kV hydropower transmission line passes within 7km of the Project, supporting a favourable green energy initiative**
- **Namibian jurisdiction voted 2nd most favourable within the African continent**
- **Attractive transaction terms with minimal equity dilution to Aldoro shareholders**

Aldoro Resources Ltd ("**Aldoro**", "**The Company"**) (**ASX: ARN**) is pleased to announce that it has entered into a binding Heads of Agreement (the "**Purchase Agreement**") with Logan Exploration and Investments CC and Okonde Mining and Exploration CC (together, the **Vendors**) to acquire an 85% interest in mineral permit EPL 7373, EPL 7372 and EPL 7895, which together make up the Kameelburg Project (the "**Project**") in Namibia.

Aldoro Resources Chairman Troy Flannery commented:

"ARN view this critical metals transaction as an excellent opportunity for the Company, as it increases our rare earths exposure in what appears to be an extremely large outcropping carbonatite deposit. We are comfortable with the project's location in Namibia, which is ranked by the Fraser Institute as the 2nd most favourable jurisdiction (behind Morocco) on the Policy Perception Index (PPI) across the African continent."

Kameelburg Project – Location and Infrastructure

The Kameelburg Project is located approximately 300 kms north of Windhoek (capital of Namibia) and 60 kms southwest of Otiwarongo along well-maintained bitumen roads. The Industrial Port of Walvis Bay is 355 kms southwest of Kameelburg, which are connected by the TransNamib heavy haul freight railway (passing within 2 km of Kameelburg). Further, the bitumen C33 highway passes within 300m of the Project and a 220 kV hydropower transmission line passes within 7km of Kameelburg. The nearest township of Otiwarongo has a population of 28,000 and is located 60km away from the Project.

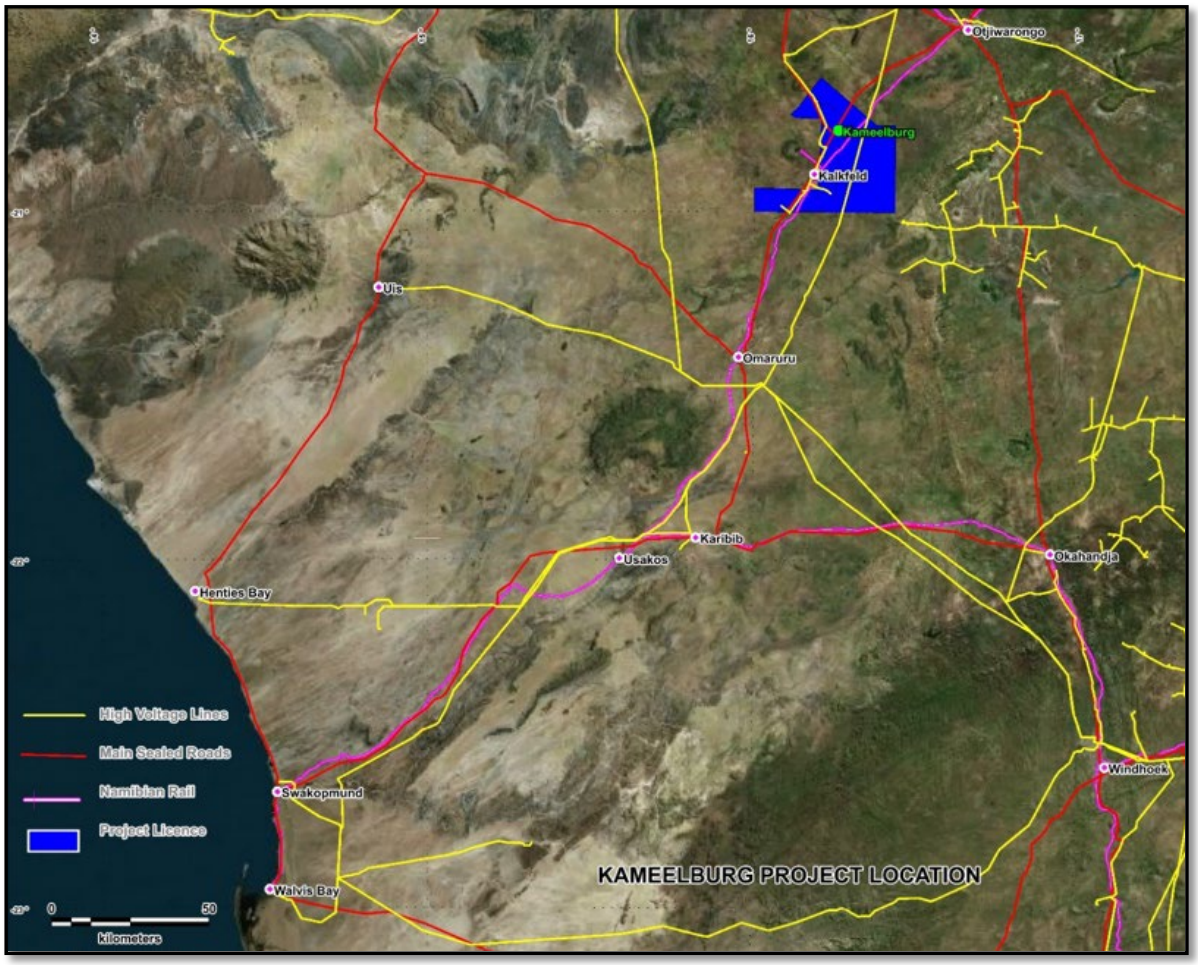

***Figure 1**: Kameelburg Project location map showing the projects proximity to rail, power, roads, port (Walvis Bay) and service towns (Otjiwarongo). Datum WGS84_33S.*

Kameelburg Project - Geology

The Kameelburg Project is located in the northern Central Damara Orogenic Belt in Namibia and covers the Cretaceous Kameelburg Carbonatite plug and associated radial dykes intruding precursor syenites in the older host Neoproterozoic marbles and schists. The plug is approximately 1.4km in diameter and rises up to 275m above the surrounding peneplain. The intrusion consists of an initial pre-curser phase of nepheline syenite/syenite followed by two sovite and three beforsite phases with remanent rafts of volcanic breccia and syenite, the vestiges of earlier intrusive phases. (Verwoerd,2008)

The country rock consists of marbles, quartzite's, mica schists of the Damara Supergroup. Rare earth metals are known to occur in all three phases with higher concentrations in the more magnesium and iron rich beforesites. Initial mineral investigations were conducted in the late 1960's early 1970's by AMCOR and the project lay dormant until 2012-2015 when it was investigated by a private company for REE and phosphates but low commodity prices during this period ended investigations.

Figure 2: *Kameelburg Carbonatite view from the northeast.*

Figure 3: *Kameelburg Carbonatite view from the southwest.*

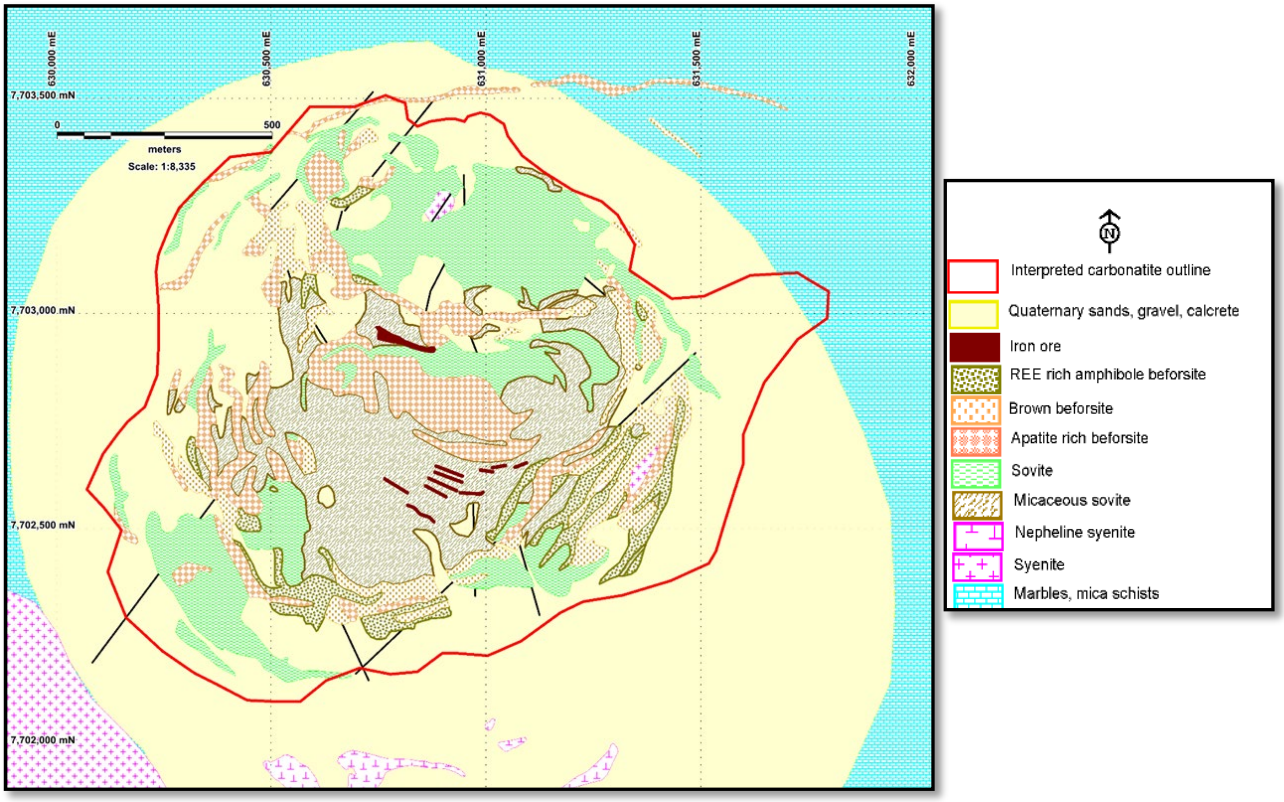

***Figure 4**: Geological Map of the Kameelburg Carbonatite derived from published data (after Prins, 1981). Datum WGS84_33S.*

Kameelburg Project – Historical Exploration

1) AMCOR (1967 - 1970)

AMCOR conducted exploration over Kameelburg from 1967 to 1970 using the National Institute of Metallurgy (NIM) to commission investigations into the surface rock sampling (12 rock chips), 11 drill holes and 2 bulk samples into the carbonatite, producing 3 technical reports which were obtained from the Council of Geosciences (RSA). In 1971, Newmont (Vellet 1971) reviewed the available data sets and concluded the following:

- The intrusion is a vertically concentrically layered body with an ENE elongation (1,280 x 1,070m) with a phosphatic and ankerite rich elongated core (120x600m) surrounded by micaceous carbonatite (sovite) with Th enrichment
- The core has an alteration halo and is surrounded by “shells” of carbonatite (magnetite and pyrrhotite) with the pipe fingers containing discontinuous zones of ring dykes and plugs rich in phosphate and/or REE. Nepheline Syenite flanks the southern margin with marbles to the north.

- The main facies identified were sovite and beforsite with transitional rocks where these and the beforsite were considered the enriched rocks in Th, REE, Sr, Nb and P with variable zoning both laterally and vertically.
- Enrichment was noted with TREO up to 1% (0.18% average), Strontianite to 2.9%, Niobium Pentoxide to 0.55%, phosphate up to 14.7% and Thorium up to 0.3%.
- 11 holes were drilled at shallow dips (300) across various segments of the intrusion including the phosphatic core and the surrounding flanks. Petrology from some 44 rock samples identified ancylite (La, Ce), Cerianite (Ce), Strontianite (Sr), Fluoroapatite (Ce, P), Pyrochlore (REE, Nb), Columbite (Nb) as well as calcite, Parankerite, siderite, apatite, magnetite, rutile, leucoxene, quartz, rutile, chalcopyrite, pyrite and hydrated iron oxides.
- A bulk sample of surface rock from the phosphatic core was upgraded by magnetic separation to produce a concentrate of 31.8% P2O5 and 1.6% TREO. A second bulk sample at the eastern edge of the pipe from an iron-rich ring dyke (180x762m) produced grades of 2.6% TREO.

2) KINLOCH RESOURCES (2012 – 2013)

Kinloch Resources Pty Ltd undertook two phases of sampling in 2012 – 2013. This involved a due diligence rock chip sampling program and a grid-based rock and soil sampling program.

- The due diligence program collected 29 rock and 34 soil samples on a cross hair traverse at 100m intervals. Laboratory analytical data found up to 1.81% TREE in the rocks and up to 1.75% TREE in the soils. These sampling results showed that parts of the carbonatite, in particular the beforsite and possibly some of the micaceous sovite, are well endowed.
- The detailed 100m centered grid of rock and regolith sampling completed over the Kameelburg Carbonatite and surrounding country rock contacts involved the collection of 678 rock and regolith samples from 339 sites. The results from the soil sampling recovered TREO (including Y2O3) values up to 2.66% and averaging 1.3% over the carbonatite and P2O5 values up to 9.7%. The rock chip samples recovered values up to 5.56% TREOs, averaging 1.0% over the carbonatite and up to 17.25% P2O5. Anomalous values of Strontianite, up to 13.2% and Niobium Pentoxide, up to 4.75% were also recorded although somewhat more sporadic in occurrence.
- **The grid samples were contoured, which found the average of the soil samples in the area to be >1% TREO (0.838km^2) contour was 1.44%. Rock chip results recovered values up to up to 5.56% TREOs with the average from within the >1% TREO (0.838km^2) contour being 1.27% TREO.**

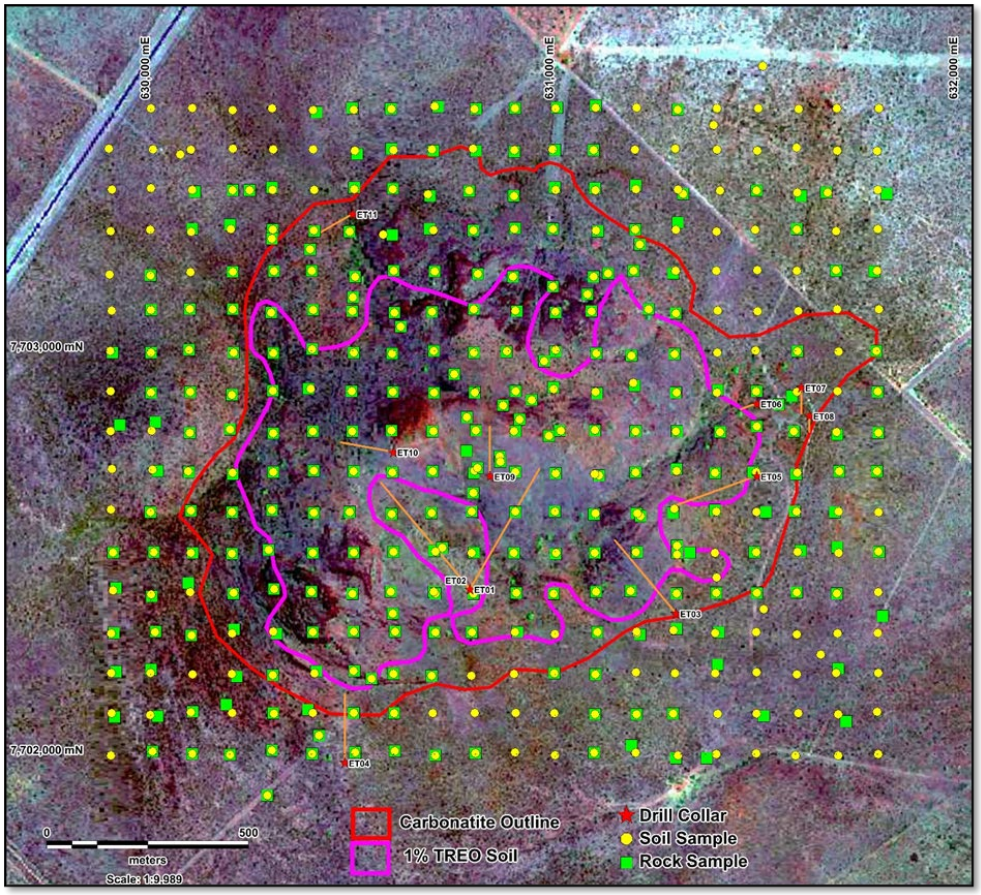

Figure 5: *1% TREO contour used for the area calculations and the sample points. Squares are rock samples and yellow circles represent soil samples on the 100m grid.*

Kameelburg Sampling - TREO Results			
	Soil	**Rock Chip**	**Area, km²**
TOTAL GRID			3.04
Number	410	312	
Highest Value	2.66	5.56	
Average %	0.78	0.76	
CARBONATITE			1.606
Number	211	152	
Highest Value	2.66	5.56	
Average %	1.09	1	
>1% CONTOUR			0.838
Number	107	79	
Highest Value	2.66	5.56	
Average %	**1.44**	**1.27**	

Average Composition of TREO, Within >1% Contour																	
	La2O3	Ce2O3	Pr2O3	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb2O3	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	TREO	TREO+Y2O3
Soil Average_ppm	4412	6712	627.45	1910.11	230.26	57.09	125.16	13.06	57.84	8.97	19.71	2.29	12.06	1.58	252.75	14,190.32	14,443.07
Rock Average_ppm	3653	5731	535.75	1648.39	204.16	52.08	112.03	12.33	14.4	8.36	17.9	1.99	10.44	1.29	232.27	12,336.26	12,468.53

Average % Values for REO, Within >1% Contour															
	La2O3	Ce2O3	Pr2O3	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb2O3	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3
% of TREO	31.09	47.3	4.42	13.46	1.62	0.4	0.88	0.09	0.41	0.06	0.14	0.02	0.08	0.01	
% of TREO + Y2O3	30.55	46.48	4.34	13.23	1.59	0.4	0.87	0.09	0.4	0.06	0.14	0.02	0.08	0.01	1.75

Forward Work Program

The forward work program, which Aldoro is currently funded to execute, for the project involves the following steps:

- Conduct a site visit and organise a due diligence sampling programme.
- Set up an operating framework for Namibia, including organizing a local controlling entity, and visiting local stakeholders.
- Conduct a desktop study, acquire historical datasets over the whole project area.

Terms of Transaction

Aldoro has entered into a binding Heads of Agreement ("HoA") to acquire 85% of the Kameelburg Project, with consideration payable by Aldoro for the Transaction as follows:

- An initial payment of $N500,000 (AUD $41,000) upon signing the agreement;
- A payment of $N2,500,000 (AUD $201,000) at Completion;
- 500,000 fully paid ordinary shares in the capital of Aldoro;

Conditions Precedent include:

(i) completion of due diligence by Aldoro on the Project and the Permits to the satisfaction of Aldoro and confirmed in writing;

(ii) the successful renewal of EPL 7373, which is currently undergoing renewal;

(iii) the Parties obtaining any necessary shareholder, regulatory, governmental, or third-party consents and/or approvals (as applicable) in order to allow the Parties to complete their respective obligations under this Agreement; and

(iv) the Permits remaining in good standing as at the date of satisfaction of the last Condition.

Kameelburg Licences

Code	Type_Group	Type	Granted	Expires	Holder	Area (ha)	Renewal
7373	Exploration	Exclusive Prospecting Licence	14/02/2023	13/02/2023	Logan Exploration and Investments CC	19,942.26	pending
7372	Exploration	Exclusive Prospecting Licence	14/02/2020	13/02/2023	Logan Exploration and Investments CC	66,600.00	pending
7895	Exploration	Exclusive Prospecting Licence	30/07/2020	29/07/2023	Okonde Mining and Exploration CC	15,198.20	n/a
						101,740.46	

Table 1: *List of exclusive prospecting licences which are all for Base and Rare Metals, Industrial Minerals, and Precious Metals*

References

Verwoerd, (2008): Ondurakorume Carbonatite Complex by V.J. Verwoerd in Geological Survey of Namibia Publication: The Geology of Namibia, Vol3: Palaeozoic to Cenozoic by R.McG.Miller. Section 18.4.
Prins (1981): Figure 18.9 page 18-23, Section 18.4 Ondurakorume Carbonatite Complex by V.J. Verwoerd. Geological Survey of Namibia Publication: The Geology of Namibia, Vol3: Palaeozoic to Cenozoic by R.McG.Miller

AMCOR Reports sourced from the MME Namibia:

Boardman, D.G, (1972), Letter to AMCOR Diamond drilling data on the Carbonatite of Ondurakorume Mountain, Farm Etaneno No.44, 15th March 1972

National Institute of Metallurgy (1967) Report No 222 The mineralogy and petrography of the Ondurakorume carbonatite with preliminary reference to the amenability of the Economic minerals to concentration, Project C22/67 – 1 S.A Waal & S.A. Hiemstra 14th July 1967.

National Institute of Metallurgy (1968) Report No 405 The mineralogical and petrological description of forty-four core samples of carbonatite and associated rocks from the bore hole ET1 in the Ondurakorume carbonatite complex, Project C22/67 – 2 S.A Waal & S.A. Hiemstra 27th September 1968.

National Institute of Metallurgy (1970) Report No 1000 Rare Earths, Niobium and Strontium in borehole core from the Ondurakorume carbonatite, Project C22/67 – 3 S.A Waal & S.A. Hiemstra 21st August 1970.

Vellet, V., (1971), The Etaneno Carbonatite, South West Africa, Memo, Newmont South Africa to Newmont Canada, 31st March 1971

Kinloch Resources Reports sourced from the MME Namibia

Annual Report (2012). Kameelburg due diligence report EPL4318, November 2012. Kinloch Resources Pty Ltd, Open file technical report

Annual Report (2013) Kameelburg Stage 2 Project Report, October 2013. Kinloch Resource Pty Ltd, Open file technical report

Annual Report (2016) Kameelburg Stage 3 Project Report, June 2016. Kinloch Resource Pty Ltd, Open file technical report

About Aldoro Resources

Aldoro Resources Ltd is an ASX-listed (***ASX: ARN***) mineral exploration and development company. Aldoro has a portfolio of lithium, rubidium and base metal projects, all located in Western Australia. The Company's flagship projects are the Wyemandoo lithium-rubidium-tungsten project and the Niobe lithium-rubidium-tantalum Project. The Company's other projects include the Narndee Igneous Complex, which is prospective for Ni-Cu-PGE mineralisation.

Disclaimer

Some of the statements appearing in this announcement may be in the nature of forward-looking statements. You should be aware that such statements are only predictions and are subject to inherent risks and uncertainties. Those risks and uncertainties include factors and risks specific to the industries in which Aldoro operates and proposes to operate as well as general economic conditions, prevailing exchange rates and interest rates and conditions in the financial markets, among other things. Actual events or results may differ materially from the events or results expressed or implied in any forward-looking statement. No forward-looking statement is a guarantee or representation as to future performance or any other future matters, which will be influenced by a number of factors and subject to various uncertainties and contingencies, many of which will be outside Aldoro's control.

Aldoro does not undertake any obligation to update publicly or release any revisions to these forward-looking statements to reflect events or circumstances after today's date or to reflect the occurrence of unanticipated events. No representation or warranty, express or implied, is made as to the fairness, accuracy, completeness or correctness of the information, opinions or conclusions contained in this announcement. To the maximum extent permitted by law, none of Aldoro, its Directors, employees, advisors or agents, nor any other person, accepts any liability for any loss arising from the use of the information contained in this announcement. You are cautioned not to place undue reliance on any forward-looking statement. The forward-looking statements in this announcement reflect views held only as of the date of this announcement.

This announcement is not an offer, invitation or recommendation to subscribe for or purchase securities by Aldoro. Nor does this announcement constitute investment or financial product advice (nor tax, accounting or legal advice) and is not intended to be used for the basis of making an investment decision. Investors should obtain their own advice before making any investment decision.

Competent Person Statement

The information in this announcement that relates to Exploration Results and other technical information complies with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code). It has been compiled and assessed under the supervision of Mark Mitchell, technical director for Aldoro Resources Ltd. Mr Mitchell is a Member of the Australasian Institute of Geoscientists and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the JORC Code. Mr Mitchell consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

This announcement was approved for release to ASX by the Board of Aldoro Resources

ALDORO RESOURCES

Soil Sampling Assays

Oxides in ppm unless stated, Datum WGS84-33S (no RL available)

Sample	Easting	Northing	La2O3	Ce2O3	Pr2O3	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb2O3	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	TREO	TREO+Y2O3	% TREO+Y2O3	Nb2O5	% P2O5
12KMSR001	631318	7703389	819.32	1656.92	171.38	602.21	81.86	19.31	45.90	5.24	25.48	4.23	10.18	1.21	7.75	1.11	124.20	3452.10	3576.29	0.36	1556.65	1.81
12KMSR002	631210	7703264	1058.92	2031.85	212.82	744.98	102.21	25.90	58.67	6.68	31.57	5.29	12.35	1.40	8.45	1.11	154.17	4302.21	4456.38	0.45	1181.97	2.38
12KMSR003	631131	7703192	2172.85	4466.05	513.77	1853.76	255.83	65.76	139.59	15.48	70.68	11.44	25.15	2.59	14.15	1.73	327.76	9608.83	9936.59	0.99	2481.12	4.88
12KMSR004	631081	7703140	1956.82	4034.89	457.62	1654.19	228.68	60.76	134.01	15.35	69.37	11.05	23.84	2.39	12.30	1.43	311.13	8662.71	8973.84	0.90	2142.78	3.92
12KMSR005	630973	7702975	3033.10	4544.06	411.17	1249.33	149.73	38.29	82.53	9.30	42.90	7.00	15.06	1.61	9.91	1.36	200.01	9595.34	9795.35	0.98	2122.17	3.16
12KMSR006	630942	7702878	3049.98	5250.24	522.68	1719.86	216.25	54.93	114.42	13.09	61.17	9.37	19.34	2.04	10.27	1.25	273.92	11044.89	11318.81	1.13	4589.84	4.42
12KMSR007	630872	7702865	2713.74	4635.19	493.56	1618.85	195.61	48.24	101.95	11.74	54.99	8.82	17.92	1.86	9.51	1.17	242.68	9913.14	10155.82	1.02	3877.54	4.45
12KMSR008	630913	7702830	2730.63	5274.95	557.80	1889.10	238.55	59.97	125.52	13.73	62.13	9.66	19.98	2.08	10.15	1.31	269.09	10995.54	11264.63	1.13	4138.20	5.02
12KMSR009	630863	7702739	4637.95	8028.44	784.99	2515.69	312.34	79.91	164.97	17.88	79.47	11.81	23.00	2.14	10.68	1.27	340.21	16670.53	17010.74	1.70	2834.76	5.59
12KMSR011	630288	7701898	634.02	1284.92	137.18	485.57	71.90	18.34	46.70	6.16	34.17	6.59	17.15	2.03	12.07	1.55	200.01	2758.34	2958.35	0.30	1362.37	1.97
12KMSR012	630416	7702047	565.29	1144.48	111.47	380.95	54.03	13.47	33.38	4.19	21.28	3.89	9.67	1.19	6.95	0.98	111.12	2351.20	2462.32	0.25	874.68	1.35
12KMSR013	630546	7702187	4232.28	6205.78	552.98	1705.04	202.49	50.66	109.64	11.39	54.09	8.96	20.03	2.26	13.47	1.86	261.73	13170.94	13432.67	1.34	2104.43	3.78
12KMSR014	631109	7702691	5516.97	7717.58	707.31	2109.20	250.55	62.69	131.36	13.73	61.14	9.42	20.73	2.27	13.37	1.76	284.33	16618.08	16902.41	1.69	3239.91	3.02
12KMSR015	630985	7702789	4255.27	7222.94	715.38	2360.79	294.85	74.88	157.19	16.61	75.91	11.37	22.86	2.33	11.41	1.41	326.87	15223.21	15550.08	1.56	5533.76	5.43
12KMSR016	630865	7702725	4649.92	8006.54	777.09	2465.65	300.01	76.13	159.10	17.08	76.02	11.27	22.61	2.19	10.82	1.27	327.38	16575.72	16903.10	1.69	2842.49	4.70
12KMSR017	630751	7702942	6921.28	9561.79	817.98	2361.38	264.67	65.21	133.62	14.09	63.98	9.84	20.71	2.14	11.73	1.51	289.54	20249.93	20539.46	2.05	2926.61	2.57
12KMSR018	630618	7703060	2773.55	4340.49	411.38	1293.30	151.17	37.34	79.63	8.94	42.51	7.43	16.88	1.83	10.48	1.32	218.30	9176.26	9394.55	0.94	1690.41	3.51
12KMSR019	630798	7702648	4060.12	6742.82	641.02	2016.47	248.27	60.12	123.03	12.85	57.75	8.95	18.73	2.10	10.77	1.32	258.55	14004.32	14262.87	1.43	2278.54	3.32
12KMSR020	631212	7702591	5147.65	7570.58	687.60	2071.76	230.73	56.61	115.63	10.91	43.99	6.56	13.81	1.64	9.53	1.34	191.63	15968.35	16159.98	1.62	2012.59	1.79
12KMSR021	631302	7702517	2542.28	4261.19	411.61	1349.29	171.40	43.97	98.27	11.88	63.87	11.48	28.87	3.37	20.55	2.73	341.73	9020.75	9362.48	0.94	3032.90	4.45
12KMSR022	631400	7702438	4598.67	6840.16	618.07	1916.16	229.65	58.40	123.92	13.74	63.95	10.30	23.69	2.58	15.84	2.09	304.01	14517.22	14821.23	1.48	2802.86	5.11
12KMSR023	630299	7703278	2120.77	3172.47	297.03	936.15	115.51	28.57	66.19	7.16	31.65	4.66	9.77	1.06	6.26	0.90	130.04	6798.16	6928.20	0.69	852.93	1.15
12KMSR024	630394	7703252	2265.62	3630.80	326.85	1019.78	127.78	31.92	70.37	8.24	40.31	6.96	16.90	1.87	11.14	1.48	204.58	7560.01	7764.60	0.78	1364.95	3.09
12KMSR025	630500	7703133	2224.92	3908.16	398.23	1329.00	164.93	40.99	87.06	10.60	58.95	11.55	30.55	3.69	23.08	3.00	356.84	8294.70	8651.54	0.87	2363.66	5.06
12KMSR026	630244	7703398	584.76	938.33	94.71	301.16	40.11	8.57	25.50	3.12	15.47	2.74	6.79	0.82	5.41	0.82	82.16	2028.31	2110.47	0.21	352.93	0.53
12KMSR027	630073	7703487	429.48	685.68	69.80	226.16	31.00	6.65	20.22	2.44	11.98	2.15	5.75	0.69	4.67	0.69	66.54	1497.35	1563.90	0.16	308.15	0.50
12KMSR028	630704	7702399	4752.65	6527.07	543.89	1492.29	156.22	35.84	75.02	7.78	36.27	5.64	12.91	1.43	9.30	1.42	170.04	13657.73	13827.77	1.38	1896.57	2.11
12KMSR029	630721	7702512	878.78	1693.47	167.25	553.81	85.18	23.83	52.45	5.92	27.19	4.38	10.09	1.11	6.98	1.02	136.01	3511.45	3647.45	0.36	2264.95	1.51
12KMSR030	630599	7702349	5486.01	8033.24	726.11	2162.97	243.52	59.13	123.54	12.38	52.67	8.32	17.88	1.88	10.99	1.51	239.25	16940.16	17179.41	1.72	2773.96	2.11
12KMSR031	631517	7702360	1462.36	2394.02	242.10	791.29	103.13	25.87	60.64	7.61	40.51	7.49	18.59	2.14	13.82	1.90	220.20	5171.48	5391.68	0.54	2001.00	2.73
12KMSR032	631658	7702247	2968.00	4464.29	424.47	1297.85	157.86	38.96	84.57	9.22	43.47	7.14	16.51	1.83	11.48	1.60	214.99	9527.26	9742.25	0.97	2096.57	2.66
12KMSR033	631554	7702867	2349.70	4106.23	419.72	1409.01	184.41	46.62	102.70	11.46	52.03	8.61	18.91	1.95	12.09	1.67	251.95	8725.12	8977.07	0.90	3092.85	6.05
12KMSR034	631393	7703560	680.46	1333.76	136.09	465.28	64.95	16.05	37.94	4.60	22.07	3.79	9.31	1.08	6.72	0.92	112.51	2783.03	2895.54	0.29	940.63	1.65
12KMSR035	631514	7703706	1343.44	2095.22	208.49	668.58	87.74	21.56	51.04	6.12	29.08	4.89	11.79	1.30	8.11	1.15	146.29	4538.51	4684.80	0.47	1305.01	1.88
13KMSR0001	630000	7703601	1245.16	1861.20	176.15	560.69	68.67	16.16	37.77	4.42	21.94	3.38	8.38	1.19	6.60	0.81	95.50	4012.53	4108.03	0.41	708.30	1.24
13KMSR0002	630102	7703602	440.50	703.95	72.22	240.28	32.91	6.33	21.14	2.60	13.05	2.19	5.67	0.80	4.81	0.71	58.92	1547.15	1606.08	0.16	327.04	0.34
13KMSR0003	630202	7703597	1618.11	2633.08	260.19	859.87	108.84	27.67	64.74	7.95	40.70	6.58	16.71	2.22	11.39	1.56	186.55	5659.61	5846.15	0.58	1264.95	2.64
13KMSR0004	630300	7703601	2499.24	4123.21	408.06	1365.62	169.00	42.47	96.35	11.28	57.34	9.16	23.02	2.90	16.36	2.15	256.52	8826.16	9082.68	0.91	1980.26	3.92
13KMSR0005	630402	7703597	1623.04	2686.73	271.53	926.35	121.90	31.49	73.12	8.74	44.67	7.27	18.07	2.28	12.04	1.48	198.36	5828.71	6027.07	0.60	1252.07	2.66
13KMSR0005Dup	630402	7703597	1621.75	2688.13	272.50	928.45	122.53	30.68	70.61	8.66	44.24	7.37	18.81	2.30	11.71	1.56	202.93	5829.30	6032.23	0.60	1278.54	2.68
13KMSR0006	630502	7703598	338.24	575.81	60.55	213.92	30.89	6.75	21.51	2.80	14.74	2.59	7.15	0.98	5.35	0.78	73.15	1282.05	1355.20	0.14	372.25	0.55
13KMSR0007	630595	7703599	512.75	890.07	89.41	312.25	43.26	10.09	27.85	3.60	19.82	3.45	9.47	1.31	7.31	0.99	97.53	1931.62	2029.15	0.20	601.00	0.78
13KMSR0008	630703	7703606	597.54	1034.26	102.37	350.62	48.90	11.65	30.66	3.84	20.53	3.47	9.27	1.20	7.22	0.97	97.53	2222.50	2320.03	0.23	662.80	0.92
13KMSR0009	630801	7703599	653.60	1137.33	108.56	377.45	49.31	11.94	30.59	3.92	20.78	3.51	9.30	1.19	6.79	0.93	96.00	2415.19	2511.19	0.25	828.33	1.05
13KMSR0010	630901	7703601	815.80	1659.50	180.18	663.80	93.46	23.26	54.61	6.71	35.02	5.65	14.80	1.83	10.91	1.43	159.88	3566.95	3726.83	0.37	1425.46	2.29
13KMSR0011	631002	7703601	929.44	1831.09	193.79	699.37	98.09	24.80	57.64	6.91	34.11	5.64	13.77	1.75	9.63	1.27	153.28	3907.31	4060.59	0.41	1639.20	2.29
13KMSR0012	631101	7703603	635.54	1248.25	135.93	501.79	70.40	17.47	42.00	5.26	27.04	4.38	11.52	1.51	9.09	1.16	123.18	2711.33	2834.51	0.28	1206.29	1.40
13KMSR0013	631202	7703603	698.17	1435.55	153.31	559.64	77.44	18.87	44.66	5.29	26.70	4.24	10.57	1.37	7.61	1.02	117.34	3044.43	3161.77	0.32	1272.68	1.67
13KMSR0014	631304	7703598	552.15	1082.75	116.46	424.57	59.39	14.52	36.15	4.36	21.74	3.57	9.10	1.12	6.83	0.86	99.05	2333.58	2432.63	0.24	852.93	1.26
13KMSR0015	631401	7703601	696.17	1323.57	139.73	505.63	69.05	16.91	40.63	4.80	25.07	3.87	10.19	1.29	7.88	0.99	109.72	2845.79	2955.50	0.30	1025.32	1.49
13KMSR0015Dup	631401	7703601	645.16	1241.34	131.92	471.11	66.80	16.26	39.19	4.56	24.09	4.04	10.61	1.46	7.73	1.18	114.04	2665.46	2779.49	0.28	951.65	1.49
13KMSR0016	631503	7703601	1177.84	1859.32	190.41	641.29	84.50	20.68	49.25	5.82	30.54	4.85	12.10	1.52	8.96	1.19	138.67	4088.27	4226.95	0.42	1176.25	1.54
13KMSR0017	631603	7703599	1581.64	2471.33	244.60	793.27	103.36	24.35	60.62	7.03	34.30	5.22	12.66	1.66	8.94	1.18	145.15	5350.15	5495.30	0.55	1559.37	1.99
13KMSR0018	631698	7703601	1212.68	1921.28	191.20	635.45	82.62	19.89	48.63	5.57	28.24	4.54	11.24	1.48	8.13	1.19	124.83	4172.16	4296.99	0.43	1194.99	1.67
13KMSR0019	631802	7703601	694.65	1128.78	121.21	414.77	54.79	12.91	33.54	4.04	20.57	3.31	8.34	1.16	6.50	0.88	90.92	2505.45	2596.37	0.26	683.12	1.10
13KMSR0020	629896	7703501	1126.59	1618.50	156.83	493.62	60.60	13.81	34.38	3.88	20.08	3.09	8.02	1.07	6.26	0.84	90.42	3547.59	3638.01	0.36	762.37	0.71
13KMSR0021	630005	7703500	1066.19	1561.69	150.15	479.51	58.43	13.10	34.07	3.92	19.84	3.12	8.00	1.04	6.21	0.89	87.50	3406.16	3493.66	0.35	646.49	0.76
13KMSR0022	630099	7703499	618.89	1001.58	97.87	329.27	44.04	8.97	26.69	3.29	16.78	2.81	7.64	1.06	6.25	0.94	79.50	2166.10	2245.59	0.22	519.03	0.57
13KMSR0023	630203	7703501	377.17	618.33	63.48	217.07	30.88	6.25	19.67	2.53	13.66	2.39	6.54	0.93	5.82	0.84	67.43	1365.56	1433.00	0.14	289.56	0.32
13KMSR0024	630303	7703500	1497.67	2431.62	229.17	765.28	94.15	22.89	54.49	6.53	32.80	5.23	12.78	1.63	8.52	1.10	142.74	5163.86	5306.60	0.53	1029.18	1.97
13KMSR0025	630402	7703500	2738.61	4436.06	429.09	1444.82	180.89	45.84	102.33	12.07	61.08	9.90	24.68	2.98	16.75	2.06	277.73	9507.15	9784.88	0.98	1822.60	4.10
13KMSR0025Dup	630402	7703500	2705.53	4445.55	428.14	1420.56	180.19	45.02	102.37	12.13	62.49	9.95	24.76	2.99	15.32	1.99	281.66	9457.00	9738.67	0.97	1906.29	4.22
13KMSR0026	630505	7703496	1627.03	2657.21	251.35	849.26	109.08	27.91	65.08	7.54	39.54	6.32	16.13	2.06	11.28	1.43	175.37	5671.21	5846.58	0.58	1380.69	2.47
13KMSR0027	630600	7703498	574.55	1001.11	92.78	315.86	44.40	10.32	27.79	3.44	17.25	2.90	7.51	0.94	5.91	0.77	78.23	2105.54	2183.76	0.22	570.53	0.94
13KMSR0028	630696	7703500	1009.31	1643.57	152.20	499.10	65.07	15.67	37.34	4.55	23.48	3.92	9.91	1.37	8.11	1.01	110.48	3474.61	3585.09	0.36	883.69	1.44
13KMSR0029	630797	7703501	922.17	1754.49	176.61	635.34	86.10	21.81	51.45	6.24	33.82	5.70	15.32	2.02	11.26	1.63	163.31	3723.98	3887.29	0.39	1713.30	2.04
13KMSR0030	630900	7703498	871.39	1753.90	185.02	685.49	96.47	24.30	56.58	6.95	35.90	5.81	15.13	1.94	9.96	1.40	161.79	3750.26	3912.04	0.39	1257.65	2.34
13KMSR0031	630994	7703500	706.14	1335.16	132.33	468.78	64.32	16.08	37.00	4.72	24.43	3.96	10.34	1.35	7.30	1.06	110.10	2812.97	2923.07	0.29	1113.02	1.33
13KMSR0032	631096	7703498	928.97	1835.43	192.74	703.57	98.11	24.99	56.37	6.73	34.97	5.62	14.10	1.87	9.63	1.30	155.94	3914.42	4070.36	0.41	1586.98	2.25
13KMSR0033	631198	7703499	867.75	1737.04	182.89	663.68	91.76	22.78	52.93	6.38	31.29	4.80	12.12	1.54	8.48	1.18	136.26	3684.62	3820.88	0.38	1344.21	1.95
13KMSR0034	631298	7703501	761.26	1541.67	163.88	600.11	83.90	20.54	48.04	5.54	28.78	4.54	11.53	1.55	8.01	1.23	127.88	3280.57	3408.45	0.34	1314.45	1.79
13KMSR0035	631401	7703499	715.41	1428.40	150.36	544.36	73.47	17.44	42.04	4.79	24.01	3.73	9.62	1.16	7.32	0.97	108.96	3023.08	3132.03	0.31	1192.56	1.44
13KMSR0035Dup	631401	7703499	709.54	1407.08	148.28	536.43	73.24	17.58	41.31	4.77	23.84	3.72	9.67	1.26	7.31	1.03	105.53	2985.06	3090.59	0.31	1189.13	1.47
13KMSR0036	631501	7703496	1582.34	2457.50	240.33	793.74	99.52	24.99	57.80	6.74	32.62	5.02	12.21	1.60	8.78	1.15	141.72	5324.34	5466.06	0.55	1646.21	1.79
13KMSR0037	631598	7703504	1696.81	2629.33	255.46	840.16	104.27	25.99	60.17	7.00	33.89	5.30	12.83	1.68	9.52	1.21	146.55	5683.62	5830.17	0.58	1603.86	1.92
13KMSR0038	631699	7703496	1013.42	1623.19	157.35	520.80	66.92	16.12	40.13	4.72	24.34	3.92	9.42	1.24	7.06	1.00	106.93	3489.63	3596.55	0.36	984.69	1.54
13KMSR0039	631798	7703495	999.11	1597.07	162.67	556.02	72.75	17.36	43.12	4.96	25.20	4.01	10.26	1.29	7.48	1.06	114.93	3502.36	3617.29	0.36	1046.35	1.54
13KMSR0040	629904	7703400	1385.43	2016.51	187.35	589.62	72.32	16.25	40.06	4.40	22.14	3.41	8.42	1.06	6.39	0.88	96.13	4354.23	4450.36	0.45	800.14	1.03
13KMSR0041	630000	7703403	1309.55	1895.40	177.22	563.84	67.70	15.81	37.28	4.35	21.13	3.31	8.39	1.18	6.37	1.01	95.37	4112.52	4207.89	0.42	695.57	0.92
13KMSR0042	630102	7703399	475.34	762.87	80.15	271.30	37.85	7.98	23.85	2.95	14.13	2.20	5.85	0.75	4.65	0.71	63.24	1690.57	1753.81	0.18	333.62	0.41
13KMSR0043	630202	7703398	490.58	780.20	81.78	274.10	37.84	8.44	23.87	2.85	14.56	2.28	5.96	0.78	4.52	0.68	63.75	1728.45	1792.20	0.18	286.41	0.44
13KMSR0044	630301	7703399	1149.58	1887.78	171.65	564.65	70.74	16.38	39.68	4.77	23.99	3.69	9.07	1.16	6.55	0.84	100.58	3950.53	4051.11	0.41	716.74	1.35
13KMSR0045	630404	7703399	1135.15	1844.80	171.09	571.54	73.12	18.10	42.04	4.96	26.41	4.17	10.75	1.38	7.99	0.97	116.32	3912.46	4028.78	0.40	684.84	1.54
13KMSR0045Dup	630404	7703399	1179.48	1902.19	174.88	573.87	73.21	17.96	42.99	5.06	25.88	4.04	10.34	1.32	6.97	0.88	115.56	4019.07	4134.64	0.41	705.01	1.54
13KMSR0046	630503	7703401	784.84	1445.74	138.83	483.12	65.08	16.23	38.01	4.93	25.34	3.94	10.20	1.30	6.33	0.85	114.42	3024.75	3139.16	0.31	558.80	1.51
13KMSR0047	630599	7703401	1557.60	3025.82	314.60	1139.11	164.38	43.88	103.42	12.94	65.36	10.29	25.15	2.98	15.02	1.75	284.20	6482.30	6766.50	0.68	1628.18	4.70
13KMSR0048	630686	7703388	1246.45	2245.62	213.81	739.73	97.16	24.87	56.90	7.08	37.19	6.19	16.23	2.03	11.39	1.43	175.50	4706.08	4881.58	0.49	1302.43	2.50
13KMSR0049	630788	7703397	1600.64	2823.65	279.91	986.77	136.82	36.10	82.99	10.49	54.73	9.13	23.30	2.88	15.03	1.82	256.14	6064.27	6320.41	0.63	3759.51	3.19
13KMSR0050	630899	7703384	1040.63	2139.38	232.78	869.78	120.34	31.66	71.98	8.60	43.26	7.22	18.55	2.32	12.08	1.64	204.20	4600.21	4804.41	0.48	1614.31	2.86

ALDORO RESOURCES

Sample	Easting	Northing	La2O3	Ce2O3	Pr2O3	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb2O3	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	TREO	TREO+Y2O3	% TREO+Y2O3	Nb2O5	% P2O5
13KMSR0051	631002	7703399	531.86	1030.74	103.16	365.90	49.92	12.33	28.19	3.49	18.20	2.91	7.67	1.07	5.64	0.76	82.54	2161.86	2244.40	0.22	959.94	1.10
13KMSR0052	631100	7703398	590.97	1266.53	132.85	488.26	68.15	16.48	38.49	4.56	21.65	3.47	8.68	1.12	6.15	0.85	97.40	2648.19	2745.60	0.27	981.40	1.37
13KMSR0053	631201	7703401	669.67	1380.26	142.23	515.78	73.21	18.20	42.84	4.91	24.76	3.85	9.81	1.22	7.19	0.97	106.54	2894.89	3001.44	0.30	1146.92	1.65
13KMSR0054	631305	7703400	730.07	1471.27	150.83	549.72	75.69	18.03	42.38	4.98	24.96	3.94	9.85	1.39	7.45	1.02	111.62	3091.58	3203.21	0.32	1191.42	1.63
13KMSR0055	631409	7703397	965.33	1828.63	187.15	673.01	90.41	22.28	51.38	5.86	29.69	4.59	11.53	1.46	8.30	1.15	128.64	3880.79	4009.43	0.40	1674.96	1.92
13KMSR0055Dup	631409	7703397	1012.71	1905.00	198.65	696.22	94.91	23.05	54.01	6.25	30.74	4.81	11.88	1.54	7.83	1.11	135.37	4048.73	4184.10	0.42	1841.06	2.04
13KMSR0056	631499	7703397	2372.46	3670.03	350.50	1153.80	141.90	34.12	78.00	8.90	42.38	6.60	16.21	2.03	11.39	1.58	185.91	7889.91	8075.83	0.81	2284.41	2.47
13KMSR0057	631600	7703392	2852.72	4443.33	416.32	1378.92	167.27	42.15	89.98	10.27	50.93	7.51	17.92	2.30	12.31	1.63	213.09	9493.56	9706.64	0.97	2737.34	3.00
13KMSR0058	631675	7703392	771.23	1323.10	127.13	427.95	56.16	13.04	33.26	3.98	20.11	3.31	8.28	1.16	6.17	0.84	92.07	2795.73	2887.80	0.29	876.97	1.33
13KMSR0059	631799	7703399	1405.13	2251.00	221.88	734.48	93.39	23.16	54.82	6.28	31.37	4.87	12.29	1.62	8.54	1.21	138.55	4850.04	4988.59	0.50	1380.54	1.95
13KMSR0060	629900	7703297	2114.44	3115.31	273.36	858.35	100.65	23.69	54.35	5.96	28.65	4.25	10.15	1.21	6.83	0.90	121.53	6598.10	6719.63	0.67	1052.22	1.81
13KMSR0061	629998	7703300	2033.40	2976.39	269.67	836.89	99.66	23.59	55.03	6.09	29.62	4.27	10.28	1.31	7.24	0.97	123.31	6354.41	6477.72	0.65	1015.74	1.72
13KMSR0062	630100	7703295	514.39	922.87	91.13	317.61	45.20	9.81	28.99	3.66	18.71	3.18	8.29	1.13	6.55	0.88	90.16	1972.39	2062.56	0.21	306.87	0.69
13KMSR0063	630198	7703302	867.99	1367.61	128.05	420.95	55.19	13.21	32.96	3.79	17.58	2.80	6.79	0.97	5.09	0.68	76.96	2923.67	3000.62	0.30	446.49	0.73
13KMSR0064	630302	7703301	1333.24	2125.68	201.62	663.33	81.62	19.88	46.62	5.31	24.55	3.69	8.34	1.10	5.57	0.77	96.77	4521.31	4618.08	0.46	686.84	0.99
13KMSR0065	630403	7703298	2298.34	3534.98	321.55	1037.75	126.54	31.84	71.67	8.18	38.76	5.82	13.89	1.69	8.39	1.10	157.59	7500.50	7658.10	0.77	1011.44	2.06
13KMSR0065Dup	630403	7703298	2337.39	3600.81	322.14	1047.43	124.75	31.84	69.35	7.77	38.45	5.83	14.10	1.71	8.59	1.03	161.91	7611.19	7773.10	0.78	966.95	2.04
13KMSR0066	630492	7703296	2084.42	3587.57	344.92	1188.33	150.13	38.97	87.89	10.57	55.90	8.90	21.53	2.59	13.71	1.68	247.00	7597.13	7844.12	0.78	1497.71	3.83
13KMSR0067	630575	7703288	2466.98	4846.72	530.38	1892.95	233.45	56.26	116.24	12.88	60.99	9.37	22.94	2.76	14.38	1.82	263.76	10268.13	10531.89	1.05	2163.09	4.88
13KMSR0068	630699	7703299	1568.15	3057.33	312.99	1114.73	148.17	38.22	84.82	10.84	60.98	10.63	27.49	3.39	18.48	2.26	291.70	6458.48	6750.18	0.68	2029.33	3.19
13KMSR0069	630798	7703298	1043.44	2216.22	240.65	895.80	125.33	32.70	72.03	8.59	43.45	7.45	19.15	2.39	13.05	1.58	210.17	4721.81	4931.98	0.49	1822.46	2.68
13KMSR0070	630900	7703302	1272.72	2683.10	298.32	1127.68	159.49	41.11	91.52	10.87	54.08	8.42	20.70	2.56	13.57	1.68	234.30	5785.81	6020.10	0.60	1939.34	4.40
13KMSR0071	630995	7703302	1316.70	2699.26	294.83	1105.63	156.14	41.90	92.89	11.30	58.18	9.02	21.77	2.63	13.08	1.61	249.66	5824.95	6074.61	0.61	1646.49	4.15
13KMSR0072	631102	7703298	776.63	1569.42	159.77	570.60	76.49	19.36	42.92	5.00	24.85	3.84	9.48	1.20	6.01	0.82	107.31	3266.39	3373.69	0.34	856.94	1.60
13KMSR0073	631199	7703301	830.46	1679.64	170.62	620.29	84.19	21.00	48.52	5.51	27.28	4.24	10.62	1.32	7.08	0.98	117.08	3511.77	3628.85	0.36	1046.78	1.81
13KMSR0074	631300	7703300	1019.63	2041.11	215.67	790.00	108.10	26.28	59.54	6.73	32.73	4.91	11.64	1.53	8.32	1.09	136.13	4327.31	4463.44	0.45	1788.84	1.97
13KMSR0075	631400	7703296	2087.00	3496.68	335.36	1133.39	143.93	37.03	80.44	9.30	44.73	7.01	16.80	2.04	11.34	1.56	196.20	7406.61	7602.81	0.76	2488.70	3.19
13KMSR0075Dup	631400	7703296	2038.21	3448.89	334.11	1127.56	145.37	36.11	83.64	9.29	45.20	6.98	16.60	2.07	11.79	1.50	191.12	7307.31	7498.43	0.75	2618.74	3.09
13KMSR0076	631496	7703300	3538.69	5485.08	502.37	1618.26	192.27	48.01	104.06	12.00	57.45	8.69	19.61	2.38	12.95	1.74	236.46	11603.57	11840.03	1.18	3336.62	3.51
13KMSR0077	631599	7703301	2089.81	3272.03	308.62	1007.19	123.73	29.90	67.73	7.92	37.97	5.88	14.05	1.76	10.00	1.35	165.98	6977.92	7143.90	0.71	1932.19	2.36
13KMSR0078	631696	7703297	1452.04	2365.91	233.80	783.12	100.07	24.62	57.02	6.54	31.92	5.01	12.43	1.58	9.02	1.31	142.36	5084.38	5226.73	0.52	1507.44	2.25
13KMSR0079	631799	7703302	1157.91	1831.68	182.36	598.71	76.95	18.07	44.24	5.06	25.62	4.20	10.58	1.44	8.31	1.23	116.96	3966.36	4083.32	0.41	1094.85	1.33
13KMSR0080	629898	7703189	319.00	565.97	59.43	207.39	30.11	4.52	19.96	2.56	13.04	2.06	5.77	0.77	5.00	0.73	60.96	1236.30	1297.26	0.13	191.27	0.41
13KMSR0081	629999	7703187	348.56	609.90	63.30	222.43	31.32	5.62	19.92	2.45	12.80	2.12	5.45	0.82	4.22	0.63	58.42	1329.53	1387.95	0.14	230.90	0.50
13KMSR0082	630098	7703195	2166.87	3207.25	279.26	867.92	102.29	24.06	55.05	6.33	29.06	4.35	10.03	1.27	7.01	0.93	116.20	6761.68	6877.87	0.69	975.82	1.79
13KMSR0083	630203	7703196	1182.65	1810.71	166.67	543.43	70.69	17.02	42.00	4.94	23.23	3.38	7.65	1.08	5.37	0.78	87.24	3879.62	3966.86	0.40	504.58	0.78
13KMSR0084	630304	7703198	1767.64	2557.77	226.70	714.19	86.59	21.34	48.55	5.41	24.85	3.33	7.23	0.81	4.76	0.60	88.00	5469.76	5557.77	0.56	676.97	1.24
13KMSR0085	630398	7703199	2387.23	3923.50	349.51	1105.05	136.94	33.56	74.80	8.51	39.97	5.90	14.23	1.72	9.19	1.17	159.25	8091.28	8250.53	0.83	1051.36	2.45
13KMSR0085Dup	630398	7703199	2372.81	3909.33	346.49	1112.28	138.00	33.90	75.89	8.34	39.40	5.81	13.86	1.64	8.72	1.25	161.66	8067.73	8229.39	0.82	1103.00	2.50
13KMSR0086	630506	7703183	2287.43	4028.69	403.47	1411.23	182.83	46.77	100.58	11.58	58.07	8.91	22.22	2.75	15.17	1.96	251.82	8581.65	8833.47	0.88	2597.00	5.25
13KMSR0087	630601	7703199	2889.08	4483.50	407.99	1336.93	160.15	40.36	92.50	12.13	65.69	11.26	30.35	3.84	19.19	2.56	332.08	9555.53	9887.60	0.99	1938.91	3.16
13KMSR0088	630703	7703197	1224.52	2421.55	255.15	937.09	132.98	35.01	81.50	10.93	62.21	11.02	29.79	3.85	19.52	2.43	318.11	5227.55	5545.66	0.55	2026.32	2.96
13KMSR0089	630809	7703191	1062.32	2168.31	238.59	901.98	127.63	33.81	78.85	10.31	59.51	10.65	29.69	3.85	20.21	2.69	303.63	4748.40	5052.03	0.51	1035.91	2.66
13KMSR0090	630896	7703184	2429.10	5018.08	549.14	2028.60	274.76	69.76	150.10	17.13	82.36	12.19	29.78	3.45	17.57	2.13	355.19	10684.15	11039.34	1.10	5761.37	4.90
13KMSR0091	630995	7703160	2314.17	4897.21	556.30	2111.88	294.11	75.65	162.48	18.65	87.58	13.10	30.66	3.46	17.57	1.99	354.05	10584.81	10938.85	1.09	2233.76	4.45
13KMSR0092	631096	7703184	1953.65	4071.44	460.22	1732.92	237.15	60.66	134.70	14.85	70.56	10.39	22.95	2.50	12.48	1.42	283.31	8785.90	9069.21	0.91	1993.99	5.82
13KMSR0093	631195	7703199	2242.51	4624.29	515.66	1918.03	264.10	68.46	147.01	16.62	80.79	12.10	28.68	3.41	18.03	2.41	329.16	9942.09	10271.25	1.03	3037.48	4.51
13KMSR0094	631299	7703199	1612.83	2978.38	301.25	1065.27	143.67	35.91	80.38	9.52	45.97	7.42	17.93	2.17	12.20	1.56	204.83	6314.46	6519.29	0.65	2073.53	3.71
13KMSR0095	631399	7703199	3200.10	5107.34	475.46	1567.41	192.70	48.16	102.64	11.88	57.12	8.64	20.57	2.46	12.76	1.69	239.50	10808.93	11048.43	1.10	3092.42	3.55
13KMSR0095Dup	631399	7703199	3161.63	5103.12	472.84	1567.64	191.17	48.65	106.87	11.95	56.55	8.33	19.68	2.30	12.69	1.60	235.44	10765.01	11000.45	1.10	2998.86	3.62
13KMSR0096	631501	7703200	3289.00	5199.05	471.65	1539.06	186.57	47.03	102.55	11.16	54.65	8.12	19.07	2.34	11.91	1.69	226.42	10943.88	11170.30	1.12	3076.25	3.39
13KMSR0097	631599	7703199	1103.49	1868.11	186.01	630.32	83.73	20.01	48.84	5.81	28.30	4.51	11.29	1.53	8.78	1.30	127.12	4002.02	4129.14	0.41	1246.07	2.18
13KMSR0098	631696	7703200	1431.05	2322.34	223.11	750.00	95.30	23.02	53.57	6.10	30.17	4.78	12.03	1.60	8.62	1.18	134.74	4962.86	5097.59	0.51	1536.77	1.99
13KMSR0099	631798	7703199	1440.08	2253.93	224.67	737.40	93.95	22.20	53.61	6.19	30.15	4.50	11.34	1.43	8.39	1.15	130.55	4889.00	5019.54	0.50	1235.19	1.65
13KMSR0100	629903	7703100	361.46	634.96	65.64	228.50	33.98	5.29	21.35	2.69	13.47	2.34	6.53	0.99	5.74	0.81	68.70	1383.75	1452.45	0.15	237.48	0.34
13KMSR0101	630000	7703101	358.64	631.21	65.72	229.43	33.22	6.23	20.87	2.74	13.54	2.18	5.84	0.82	4.82	0.67	64.00	1375.95	1439.95	0.14	290.13	0.50
13KMSR0102	630096	7703104	373.30	660.14	67.69	234.56	32.97	5.88	20.64	2.51	12.85	2.19	5.96	0.81	4.90	0.77	62.73	1425.18	1487.92	0.15	270.39	0.53
13KMSR0103	630202	7703103	2173.43	3033.43	256.41	775.07	88.55	21.34	48.61	5.48	25.16	3.73	8.45	1.04	5.44	0.78	97.27	6446.93	6544.21	0.65	852.65	1.17
13KMSR0104	630298	7703095	3906.48	5242.97	428.41	1248.16	131.06	31.38	64.75	7.02	34.65	5.33	12.35	1.52	8.27	0.98	141.59	11123.33	11264.92	1.13	1241.34	1.72
13KMSR0105	630402	7703101	1594.07	2862.54	277.62	955.28	126.56	31.69	71.75	8.20	37.77	5.76	14.13	1.77	9.50	1.34	158.74	5997.98	6156.72	0.62	1197.57	2.38
13KMSR0105Dup	630402	7703101	1546.57	2811.24	272.29	943.38	124.32	30.85	71.18	8.01	37.97	5.68	13.85	1.86	9.45	1.25	157.09	5877.91	6034.99	0.60	1267.10	2.38
13KMSR0106	630499	7703099	2121.95	3832.26	388.79	1361.19	172.68	42.87	93.06	11.07	60.39	10.39	29.34	3.96	22.22	2.79	304.14	8152.94	8457.09	0.85	2590.84	5.00
13KMSR0107	630603	7703095	3843.73	5675.89	499.79	1556.44	178.80	43.72	93.45	10.30	51.10	7.57	17.94	2.23	11.30	1.42	213.22	11993.68	12206.90	1.22	1731.47	2.64
13KMSR0108	630696	7703097	3807.85	6308.86	605.96	2037.23	249.53	62.72	135.63	15.46	75.32	11.49	28.08	3.32	17.50	2.31	325.73	13361.27	13687.00	1.37	3043.06	4.26
13KMSR0109	630799	7703103	2601.04	4604.85	459.78	1614.65	210.20	53.41	116.91	13.22	64.81	10.05	24.60	2.94	16.81	2.21	278.49	9795.46	10073.95	1.01	2809.87	3.94
13KMSR0110	630902	7703100	2809.21	5707.39	624.41	2298.62	302.03	76.88	165.66	18.65	88.38	13.67	32.61	3.96	20.92	2.37	384.14	12164.77	12548.92	1.25	4528.76	6.07
13KMSR0111	631001	7703097	2040.44	4142.42	457.60	1679.85	220.49	55.98	122.19	14.50	68.48	10.41	24.85	2.88	14.29	1.73	289.41	8856.11	9145.52	0.91	2219.46	3.94
13KMSR0112	631091	7703098	2029.06	4221.83	472.95	1785.99	246.13	63.84	138.23	15.98	74.45	10.82	24.01	2.66	12.51	1.40	302.36	9099.87	9402.23	0.94	3032.76	4.19
13KMSR0113	631232	7703103	2285.90	4471.91	475.54	1714.96	227.59	58.82	125.77	14.17	69.48	10.71	27.07	3.37	19.23	2.30	301.98	9506.82	9808.80	0.98	3135.91	5.16
13KMSR0114	631300	7703093	1624.80	2802.45	270.61	907.34	118.87	30.04	66.71	7.48	36.34	5.61	12.94	1.62	8.75	1.18	149.98	5894.74	6044.72	0.60	1528.47	2.50
13KMSR0115	631403	7703100	1958.58	3057.09	275.02	887.16	109.85	28.01	62.38	7.11	35.28	5.45	12.73	1.63	8.47	1.27	145.78	6450.04	6595.83	0.66	1623.89	2.84
13KMSR0115Dup	631403	7703100	1848.80	2893.93	261.34	850.07	104.99	26.04	59.96	6.70	34.03	5.09	12.54	1.61	8.98	1.23	145.15	6115.32	6260.47	0.63	1602.00	2.82
13KMSR0116	631502	7703098	1371.24	2199.70	206.20	683.39	87.20	21.25	51.71	6.04	31.39	5.11	12.94	1.67	9.71	1.33	143.75	4688.88	4832.63	0.48	1444.92	2.38
13KMSR0117	631602	7703099	1749.47	2904.12	287.04	977.79	123.10	30.90	70.01	8.10	38.95	6.22	14.59	1.77	10.69	1.49	167.63	6224.26	6391.88	0.64	1805.29	3.21
13KMSR0118	631699	7703103	2353.58	3665.35	364.89	1198.59	147.28	36.15	79.99	9.13	44.70	6.61	16.35	2.00	11.24	1.56	186.80	7937.41	8124.22	0.81	2234.33	2.98
13KMSR0119	631802	7703103	1865.10	2963.97	288.57	948.52	117.86	28.75	64.75	7.18	35.80	5.38	13.29	1.74	9.08	1.32	152.26	6351.31	6503.57	0.65	1747.21	2.25
13KMSR0120	629899	7703000	374.48	646.67	67.58	232.00	32.89	5.37	20.50	2.51	14.13	2.35	6.72	0.97	5.55	0.83	68.07	1412.55	1480.62	0.15	228.18	0.46
13KMSR0121	630000	7702996	361.69	626.18	64.75	222.32	32.77	5.92	20.34	2.67	13.60	2.30	6.25	0.91	5.26	0.72	63.50	1365.69	1429.18	0.14	266.09	0.41
13KMSR0122	630095	7703002	540.31	904.36	91.49	308.63	40.63	9.14	25.33	2.97	14.62	2.35	5.72	0.85	4.32	0.66	62.10	1951.37	2013.47	0.20	358.66	0.78
13KMSR0123	630205	7702996	432.18	725.74	72.78	243.66	32.92	7.42	20.77	2.51	12.05	1.91	5.17	0.73	4.30	0.68	54.86	1562.83	1617.69	0.16	407.73	0.50
13KMSR0124	630303	7702995	5124.67	7590.73	651.73	2017.52	225.30	54.17	112.18	12.06	58.04	8.96	21.49	2.65	14.31	1.68	243.31	15895.48	16138.80	1.61	3419.17	4.33
13KMSR0125	630399	7703004	2616.40	4147.92	371.51	1176.55	141.42	34.47	74.26	8.23	37.95	5.41	12.18	1.43	7.82	1.06	146.04	8636.62	8782.66	0.88	1497.71	2.57
13KMSR0125Dup	630399	7703004	2902.91	4591.73	412.33	1310.22	155.91	38.11	83.28	9.01	42.99	6.07	13.44	1.56	8.36	1.08	161.40	9577.00	9738.40	0.97	1622.60	2.91
13KMSR0126	630502	7702996	3208.19	4986.69	450.04	1405.28	162.44	39.16	85.20	8.90	40.27	5.91	13.02	1.51	8.67	1.06	156.96	10416.34	10573.30	1.06	1846.21	3.44
13KMSR0127	630597	7702993	3761.64	6043.79	545.52	1755.08	207.38	51.76	109.93	11.96	55.84	7.87	17.90	2.17	11.88	1.52	215.50	12584.24	12799.74	1.28	2703.00	3.23
13KMSR0128	630700	7703000	5627.68	8137.26	702.34	2107.33	231.90	54.39	114.08	11.13	51.49	7.45	16.49	2.01	10.57	1.36	200.14	17075.48	17275.61	1.73	2064.52	1.97
13KMSR0129	630799	7702996	5338.35	7845.95	693.37	2155.97	245.75	60.40	128.18	13.98	65.79	9.48	20.56	2.49	12.15	1.52	256.52	16593.96	16850.48	1.69	2761.37	3.62
13KMSR0130	630881	7702999	3689.39	5896.91	543.91	1788.79	219.67	53.99	118.18	13.34	62.63	9.32	21.28	2.56	12.82	1.80	251.82	12434.60	12686.42	1.27	2448.64	3.99
13KMSR0131	631002	7703002	1919.17	3454.87	376.04	1256.45	169.17	43.68	101.16	11.42	53.13	9.02	20.50	2.49	12.78	1.80	252.46	7431.66	7684.12	0.77	2678.54	2.91
13KMSR0132	631103	7702994	2353.34	4369.65	483.51	1649.87	222.31	57.34	130.26	14.43	65.35	11.15	24.45	2.83	13.85	1.77	306.43	9400.11	9706.53	0.97	4600.29	3.46
13KMSR0133	631190	7702988	5585.93	7798.05	696.80	1972.15	221.88	55.42	129.70	13.81	60.39	9.50	20.38	2.34	12.61	1.65	265.16	16580.59	16845.75	1.68	2351.79	2.73
13KMSR0134	631296	7702992	5985.85	8384.99	772.71	2277.40	261.74	64.00	146.08	15.71	68.98	10.88	23.14	2.65	14.42	1.98	300.46	18030.53	18330.99	1.83	3154.51	3.90
13KMSR0135	**631402**	**7702996**	2192.67	3372.41	328.80	1013.02	127.06	32.12	71.52	7.83	35.02	5.99	14.23	1.88	10.24	1.43	171.94	7214.20	7386.14	0.74	1803.86	3.09
13KMSR0135Dup	**631402**	**7702996**	2151.62	3277.41	320.70	996.11	124.51	30.87	70.93	7.65	34.14	5.80	13.52	1.60	9.29	1.28	165.21	7045.43	7210.64	0.72	1986.27	2.96
13KMSR0136	631497	7703001	1399.15	2623.83	284.75	969.05	138.57	35.64	83.75	9.18	41.24	6.62	15.52	2.00	11.01	1.55	186.93	5621.85	5808.78	0.58	2104.01	4.26
13KMSR0137	631601	7702999	2052.87	3757.65	424.03	1463.83	215.89	58.23	141.22	16.78	78.54	13.41	29.71	3.39	16.85	1.99	364.46	8274.40	8638.86	0.86	2825.89	9.69
13KMSR0138	631702	7702998	3509.84	5371.35	548.36	1692.68	208.31	52.68	118.50	13.03	57.64	9.60	21.07	2.55	13.12	1.93	275.06	11620.65	11895.71	1.19	2686.55	3.96
13KMSR0139	631796	7703000	2769.10	4245.96	444.28	1375.54	173.56	43.91	101.75	11.19	49.39	8.17	18.40	2.19	12.28	1.60	226.04	9257.30	9483.35	0.95	2152.36	3.46
13KMSR0140	629900	7702900	340.93	586.70	62.68	207.74	31.24	4.83	20.35	2.47	12.21	2.34	6.09	0.88	4.78	0.78	70.23	1284.04	1354.27	0.14	191.42	0.37

Sample	Easting	Northing	La2O3	Ce2O3	Pr2O3	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb2O3	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	TREO	TREO+Y2O3	% TREO+Y2O3	Nb2O5	% P2O5
13KMSR0141	630000	7702897	288.04	496.87	52.82	175.89	26.51	4.57	19.32	2.37	12.18	2.28	6.36	0.91	5.70	0.92	68.70	1094.74	1163.44	0.12	208.15	0.37
13KMSR0142	630097	7702898	803.60	1383.31	146.46	487.21	67.09	16.80	45.12	5.33	25.38	4.20	9.78	1.21	6.60	0.98	120.89	3003.07	3123.97	0.31	643.78	2.64
13KMSR0143	630200	7702891	564.12	973.35	97.63	320.06	44.75	10.47	28.25	2.95	14.13	2.46	5.84	0.74	4.52	0.68	70.23	2069.95	2140.17	0.21	520.31	0.94
13KMSR0144	630302	7702901	2431.80	3602.10	342.36	1039.03	128.89	31.63	74.62	8.13	34.69	5.48	12.04	1.53	7.77	1.08	155.94	7721.15	7877.09	0.79	1396.57	2.52
13KMSR0145	630396	7702906	7136.72	9101.47	760.67	2070.24	215.53	50.82	111.89	10.75	44.90	6.74	14.19	1.67	8.70	1.22	190.87	19535.52	19726.38	1.97	1863.09	2.98
13KMSR0145Dup	630396	7702906	7404.71	9375.44	784.28	2126.58	216.95	51.46	113.14	11.02	45.02	6.88	14.28	1.69	8.63	1.19	195.31	20161.27	20356.58	2.04	1863.23	3.09
13KMSR0146	630497	7702900	3472.19	5550.79	547.97	1693.15	207.30	51.64	115.16	12.17	52.23	8.10	16.71	1.88	10.72	1.33	224.14	11741.33	11965.47	1.20	2422.32	3.92
13KMSR0147	630599	7702898	3325.71	5952.08	627.98	2079.57	265.83	65.13	142.80	15.07	64.16	9.59	19.79	2.22	10.20	1.24	272.14	12581.36	12853.50	1.29	3504.29	4.15
13KMSR0148	630701	7702897	4137.05	6656.38	651.06	2015.54	253.33	63.31	141.53	14.45	59.96	9.18	19.74	2.34	10.66	1.43	261.35	14035.95	14297.29	1.43	2574.96	3.99
13KMSR0149	**630803**	**7702898**	2829.15	4916.88	522.13	1742.02	235.86	59.82	136.08	14.51	60.98	9.20	19.53	2.24	10.65	1.33	265.92	10560.37	10826.29	1.08	3363.09	3.30
13KMSR0149Dup	**630802**	**7702897**	2502.29	4351.73	456.23	1524.60	208.99	54.26	120.03	12.91	54.94	8.61	18.09	2.04	9.51	1.25	237.09	9325.50	9562.59	0.96	2973.25	2.80
13KMSR0150	630903	7702900	2460.07	4271.85	443.87	1455.20	193.26	47.96	111.63	12.21	55.35	9.02	18.97	2.26	11.73	1.63	246.11	9095.00	9341.11	0.93	2942.63	4.17
13KMSR0151	630997	7702905	3153.19	5065.64	489.21	1535.10	192.19	49.53	110.02	12.27	51.84	8.16	17.88	2.14	11.39	1.60	233.92	10700.16	10934.07	1.09	3270.67	3.57
13KMSR0152	631101	7702898	2906.20	5384.00	590.62	2008.89	268.48	67.90	150.97	16.60	72.27	10.92	23.77	2.65	12.40	1.48	309.35	11517.14	11826.49	1.18	5696.42	4.77
13KMSR0153	631194	7702920	3207.37	5227.75	526.37	1656.05	212.87	53.03	121.21	13.06	56.43	9.20	20.43	2.39	11.60	1.51	259.82	11119.28	11379.10	1.14	3721.46	3.37
13KMSR0154	631301	7702897	5611.26	8435.12	783.75	2298.27	271.43	68.81	155.23	16.32	73.71	11.50	24.97	2.78	13.85	1.69	330.05	17768.69	18098.74	1.81	3080.83	3.87
13KMSR0155	**631401**	**7702897**	2761.24	4355.71	414.32	1295.64	163.81	41.17	96.61	10.99	51.57	8.61	20.19	2.35	11.81	1.71	244.58	9235.74	9480.32	0.95	2217.88	3.74
13KMSR0155Dup	**631401**	**7702897**	2902.09	4555.77	427.17	1310.45	165.37	41.57	100.15	11.08	52.19	8.84	19.84	2.42	11.77	1.75	246.36	9610.47	9856.84	0.99	2188.98	3.69
13KMSR0156	631498	7702899	1914.95	3396.54	366.91	1240.93	166.04	42.19	93.79	9.68	40.67	6.60	14.59	1.85	9.21	1.35	179.44	7305.31	7484.75	0.75	2965.95	4.08
13KMSR0157	631599	7702898	3243.85	5260.31	530.49	1667.49	212.21	53.51	121.25	12.78	56.71	9.44	20.74	2.42	11.94	1.80	267.57	11204.92	11472.49	1.15	2778.97	4.63
13KMSR0158	631700	7702900	1324.68	2303.83	241.60	793.50	110.52	27.97	68.91	7.98	36.52	6.21	14.43	1.78	8.86	1.28	175.12	4948.08	5123.20	0.51	1792.85	3.64
13KMSR0159	631799	7702899	506.65	864.65	90.65	298.48	42.68	9.85	28.12	3.23	15.60	2.77	7.11	0.93	5.65	0.83	82.29	1877.22	1959.51	0.20	644.21	0.92
13KMSR0160	629900	7702801	319.82	535.99	58.50	195.02	28.41	4.91	19.61	2.52	13.24	2.54	7.16	1.02	6.32	0.98	78.23	1196.04	1274.27	0.13	177.11	0.41
13KMSR0161	630002	7702802	241.48	413.35	46.31	156.30	23.73	4.18	17.07	2.15	10.77	2.04	5.35	0.78	4.40	0.71	59.56	928.60	988.16	0.10	169.67	0.27
13KMSR0162	630096	7702797	454.11	757.83	82.78	275.62	38.55	8.75	25.46	2.88	13.11	2.21	5.44	0.82	4.55	0.67	65.02	1672.78	1737.80	0.17	403.43	0.48
13KMSR0163	630196	7702805	737.10	1204.92	121.15	381.53	52.74	12.44	32.50	3.65	16.94	2.82	6.77	0.93	5.55	0.81	83.43	2579.83	2663.26	0.27	631.19	0.87
13KMSR0164	630303	7702796	4141.39	6012.63	560.11	1676.93	204.54	48.83	108.91	10.99	44.91	6.86	14.69	1.98	9.08	1.28	193.02	12843.14	13036.16	1.30	2062.23	3.39
13KMSR0165	630401	7702800	7351.93	9286.77	771.43	2075.38	217.69	52.16	111.64	10.67	45.89	6.88	14.80	1.69	8.51	1.33	194.29	19956.76	20151.06	2.02	1869.38	3.05
13KMSR0165Dup	630401	7702800	7388.17	9460.24	790.12	2147.93	224.64	53.19	111.50	10.89	45.98	7.13	14.60	1.77	9.33	1.15	193.91	20266.62	20460.54	2.05	1915.74	3.19
13KMSR0166	630498	7702800	3385.87	5260.07	512.10	1590.27	199.45	50.06	111.51	11.63	47.82	7.59	15.86	1.78	9.41	1.30	214.23	11204.73	11418.96	1.14	2431.04	3.35
13KMSR0167	630595	7702803	3494.01	6440.63	665.78	2153.64	268.09	66.80	147.51	15.31	65.58	10.02	21.12	2.33	10.61	1.33	279.00	13362.76	13641.76	1.36	2452.36	5.77
13KMSR0168	630699	7702801	3996.90	6627.45	668.96	2151.07	269.51	68.29	151.65	15.19	63.89	9.84	20.71	2.39	11.48	1.48	272.14	14058.81	14330.95	1.43	3341.49	6.37
13KMSR0169	**630782**	**7702836**	3992.09	7511.08	797.04	2600.37	337.10	84.96	191.08	19.34	81.11	12.45	25.37	2.84	13.70	1.60	336.65	15670.13	16006.78	1.60	3832.19	7.68
13KMSR0169Dup	**630804**	**7702803**	4197.45	7856.49	830.62	2725.41	352.37	89.49	198.67	20.35	84.65	12.74	26.20	2.92	12.94	1.64	355.32	16411.95	16767.27	1.68	3961.09	7.03
13KMSR0170	630899	7702801	3022.07	5772.87	624.53	2076.19	274.89	68.52	157.42	17.00	74.70	11.62	24.10	2.59	12.57	1.47	320.78	12140.56	12461.34	1.25	3904.43	6.35
13KMSR0171	631015	7702802	1626.56	3014.22	313.90	1055.48	147.26	37.47	88.95	10.03	44.19	6.85	14.57	1.69	8.20	1.13	194.68	6370.47	6565.15	0.66	3531.33	3.07
13KMSR0172	631099	7702804	3534.58	6389.32	659.79	2157.14	279.31	72.21	161.35	17.03	73.60	11.35	23.41	2.73	12.54	1.52	316.21	13395.90	13712.10	1.37	4705.44	5.13
13KMSR0173	631200	7702800	2628.01	4864.06	522.96	1751.58	237.22	61.21	141.74	15.32	68.36	10.44	22.53	2.50	12.13	1.49	297.28	10339.53	10636.81	1.06	3183.26	4.06
13KMSR0174	631300	7702800	3537.63	5899.37	583.39	1818.07	234.95	59.48	134.44	14.86	63.34	10.24	21.99	2.52	12.59	1.66	283.44	12394.54	12677.98	1.27	3114.59	3.25
13KMSR0175	**631409**	**7702799**	5321.11	7550.55	682.48	2020.20	227.53	55.64	122.16	13.05	58.76	10.05	24.68	3.07	17.58	2.79	284.84	16109.65	16394.49	1.64	2956.22	4.08
13KMSR0175Dup	**631409**	**7702799**	5258.48	7397.11	676.09	1969.70	218.79	53.37	117.75	12.57	57.28	9.78	23.52	3.02	17.75	2.68	287.25	15817.90	16105.16	1.61	2891.99	4.03
13KMSR0176	631500	7702813	2801.12	4785.81	495.41	1673.43	223.70	56.61	130.14	14.56	67.08	11.09	24.76	2.88	14.58	2.06	316.21	10303.22	10619.43	1.06	3012.45	5.71
13KMSR0177	631591	7702800	1921.63	3381.19	366.29	1250.96	173.71	44.61	103.65	11.75	54.99	8.96	20.01	2.35	11.68	1.71	243.57	7353.50	7597.07	0.76	2146.92	4.90
13KMSR0178	631697	7702799	811.11	1389.04	144.75	467.96	63.99	15.90	39.25	4.65	22.76	4.02	9.55	1.32	6.75	1.06	111.37	2982.11	3093.48	0.31	727.75	1.24
13KMSR0179	631801	7702797	310.79	526.03	58.21	194.32	29.26	6.26	19.28	2.31	11.83	2.22	5.66	0.81	4.93	0.83	63.50	1172.76	1236.26	0.12	450.79	0.53
13KMSR0180	629904	7702707	340.70	571.59	60.50	198.40	27.89	4.84	19.34	2.36	11.35	2.06	5.49	0.86	4.83	0.72	62.99	1250.93	1313.92	0.13	186.41	0.37
13KMSR0181	630004	7702706	415.64	678.53	72.17	236.90	34.61	6.40	24.34	2.74	12.46	2.36	5.73	0.78	4.22	0.75	65.91	1497.65	1563.55	0.16	270.24	0.50
13KMSR0182	630092	7702701	491.76	786.06	82.01	261.16	36.53	7.75	23.69	2.72	12.49	2.12	5.26	0.74	4.59	0.66	63.50	1717.52	1781.01	0.18	307.73	0.57
13KMSR0183	630202	7702698	2577.23	4003.62	376.25	1166.28	147.62	36.20	85.34	9.45	42.89	7.25	16.44	2.04	10.23	1.41	200.14	8482.25	8682.38	0.87	2009.01	3.21
13KMSR0184	630303	7702700	6619.87	8414.74	712.44	1938.09	206.54	49.58	109.27	11.20	47.95	7.43	15.44	1.92	9.85	1.38	210.80	18145.69	18356.49	1.84	2783.55	3.48
13KMSR0185	**630403**	**7702703**	5603.17	7363.26	620.08	1681.25	180.14	41.88	89.40	8.81	39.16	6.06	12.33	1.47	8.44	1.10	165.47	15656.55	15822.02	1.58	1852.22	2.41
13KMSR0185Dup	**630403**	**7702703**	5665.56	7452.16	617.82	1688.13	180.72	43.33	92.00	9.01	38.93	6.08	12.78	1.53	7.90	1.13	173.85	15817.10	15990.95	1.60	1913.45	2.41
13KMSR0186	630501	7702701	3616.80	5314.77	487.18	1403.06	164.91	39.62	88.92	9.22	40.34	6.53	14.05	1.83	9.12	1.42	183.63	11197.79	11381.41	1.14	1841.34	2.70
13KMSR0187	630598	7702699	3508.31	5318.76	483.05	1445.05	175.08	43.25	96.86	10.57	47.66	7.55	18.02	2.31	12.80	2.00	228.96	11171.27	11400.24	1.14	2006.01	3.12
13KMSR0188	630698	7702701	4966.81	7506.04	687.86	2010.64	246.67	59.79	128.70	12.70	56.99	8.92	18.83	2.16	10.85	1.42	252.08	15718.39	15970.46	1.60	2789.27	2.68
13KMSR0189	**630801**	**7702703**	5056.53	8124.02	776.15	2363.83	296.00	73.91	163.44	16.79	70.97	10.92	22.37	2.57	12.90	1.50	310.49	16991.90	17302.39	1.73	2824.75	4.65
13KMSR0189Dup	**630808**	**7702710**	4673.49	7678.81	750.93	2288.71	288.13	71.60	159.53	16.14	69.31	10.68	22.21	2.51	12.55	1.56	306.55	16046.15	16352.71	1.64	2614.59	4.56
13KMSR0190	630902	7702700	4609.69	7712.07	766.05	2357.64	301.90	74.90	166.69	16.97	74.21	11.33	22.14	2.31	11.50	1.44	326.24	16128.85	16455.09	1.65	3053.79	4.97
13KMSR0191	631002	7702696	5028.97	8053.39	787.13	2375.96	299.66	74.60	167.39	17.60	75.46	11.80	25.36	2.99	14.97	1.92	350.37	16937.21	17287.58	1.73	2947.78	4.97
13KMSR0192	631098	7702695	5085.50	7220.24	674.77	1959.79	245.30	61.66	137.22	14.00	60.82	9.53	21.06	2.68	13.87	1.88	277.35	15508.31	15785.66	1.58	3157.65	2.96
13KMSR0193	631200	7702699	5239.25	7588.15	668.96	1897.38	220.35	52.48	112.11	10.09	39.37	5.61	12.09	1.48	7.95	1.24	157.47	15856.51	16013.97	1.60	2160.66	1.83
13KMSR0194	631301	7702702	3808.08	5937.32	556.63	1652.79	205.09	50.51	109.58	10.83	45.75	7.01	15.12	1.82	10.34	1.47	200.90	12412.32	12613.22	1.26	2060.52	2.64
13KMSR0195	**631396**	**7702698**	9476.81	12297.36	1036.59	2719.93	274.78	61.68	131.67	11.99	51.35	8.43	18.55	2.38	14.63	1.86	236.07	26108.02	26344.09	2.63	2460.23	2.18
13KMSR0195Dup	**631396**	**7702698**	9598.43	12440.73	1048.06	2743.26	278.50	63.62	133.38	12.17	51.55	8.21	18.51	2.46	14.05	1.92	229.60	26414.85	26644.45	2.66	2547.50	2.25
13KMSR0196	631498	7702700	2837.47	4453.75	428.51	1333.31	165.65	40.65	88.78	9.70	46.59	8.06	19.15	2.57	14.28	2.08	233.41	9450.56	9683.97	0.97	1439.06	3.69
13KMSR0197	631600	7702698	1935.00	3040.93	290.53	889.15	111.96	28.19	65.65	7.34	35.70	6.07	14.76	1.87	10.29	1.52	176.39	6438.98	6615.37	0.66	1141.06	3.05
13KMSR0198	631704	7702701	343.98	581.55	61.01	197.70	29.16	6.41	19.85	2.39	11.90	2.27	5.76	0.79	4.92	0.75	65.65	1268.46	1334.11	0.13	394.42	0.57
13KMSR0199	631798	7702701	277.25	464.30	51.48	166.68	25.08	4.79	17.61	2.11	11.17	2.12	5.79	0.88	5.16	0.92	62.73	1035.34	1098.07	0.11	286.84	0.30
13KMSR0200	629901	7702607	306.22	533.18	54.11	182.77	27.17	5.28	18.13	2.26	11.68	2.33	5.84	0.79	4.79	0.75	65.91	1155.30	1221.21	0.12	233.05	0.55
13KMSR0201	629999	7702601	456.81	754.20	77.27	252.18	35.40	8.23	23.67	2.81	13.29	2.37	6.09	0.80	4.48	0.66	70.61	1638.26	1708.87	0.17	389.56	0.87
13KMSR0202	630099	7702604	1560.88	2808.31	285.83	939.19	131.71	33.89	83.93	9.78	48.05	8.49	20.02	2.44	12.33	1.65	234.80	5946.51	6181.32	0.62	2578.68	3.09
13KMSR0203	630200	7702601	1371.36	2496.27	250.14	812.05	103.26	25.93	59.94	6.60	30.48	5.17	11.90	1.47	7.97	1.17	147.05	5183.70	5330.76	0.53	1724.03	1.86
13KMSR0204	630299	7702606	4632.68	6533.98	573.83	1675.30	199.09	47.86	107.70	10.76	47.35	7.25	15.73	1.87	10.68	1.48	206.10	13865.57	14071.68	1.41	2317.45	3.60
13KMSR0205	**630403**	**7702599**	3585.72	5098.55	453.40	1329.81	159.78	39.31	85.93	9.51	42.32	6.92	15.25	1.95	11.24	1.68	195.06	10841.37	11036.43	1.10	1651.07	2.52
13KMSR0205Dup	**630403**	**7702599**	3625.83	5159.34	454.04	1327.95	155.22	38.36	86.05	8.89	41.80	6.72	15.36	1.98	12.08	1.77	195.06	10935.39	11130.45	1.11	1653.79	2.54
13KMSR0206	630492	7702601	5301.99	7163.55	622.14	1734.90	199.34	47.15	102.78	10.53	49.27	8.01	17.07	1.98	10.60	1.42	222.99	15270.74	15493.73	1.55	1756.80	2.86
13KMSR0207	630596	7702596	1595.13	2502.13	229.29	701.01	88.13	22.05	48.86	5.24	23.00	3.65	7.92	0.99	5.07	0.78	99.43	5233.24	5332.68	0.53	935.48	0.96
13KMSR0208	630695	7702598	1660.80	2767.08	261.54	811.58	109.83	27.47	64.65	7.17	32.63	5.28	12.48	1.60	10.04	1.47	157.98	5773.61	5931.58	0.59	1214.74	1.67
13KMSR0209	630794	7702602	2486.45	4354.31	434.90	1353.84	180.27	43.51	97.75	10.52	50.87	8.71	20.22	2.59	14.40	2.02	264.27	9060.36	9324.63	0.93	1344.06	2.41
13KMSR0210	630902	7702602	4811.76	7330.00	661.14	1922.69	232.26	56.93	122.16	12.02	52.98	8.17	18.02	2.27	12.09	1.66	238.74	15244.15	15482.90	1.55	1896.71	1.99
13KMSR0211	631000	7702602	5406.02	7969.99	734.42	2109.08	266.00	62.16	128.95	11.80	51.18	7.84	17.56	2.25	12.72	1.60	235.19	16781.58	17016.76	1.70	2375.54	1.65
13KMSR0212	631100	7702597	2533.01	4166.55	409.15	1274.41	167.11	43.02	98.52	11.10	48.63	8.47	19.75	2.55	14.01	1.94	244.71	8798.20	9042.91	0.90	2526.04	3.02
13KMSR0213	631204	7702597	3381.18	5564.49	564.32	1732.92	219.42	53.29	118.80	11.29	41.96	6.36	14.37	1.79	10.26	1.54	186.68	11721.99	11908.67	1.19	2219.31	2.25
13KMSR0214	631295	7702608	2674.69	4186.23	386.84	1153.92	137.31	33.27	74.76	7.77	34.72	5.88	12.64	1.64	8.29	1.32	162.42	8719.26	8881.68	0.89	1649.50	2.43
13KMSR0215	**631399**	**7702602**	2859.40	4324.56	402.98	1194.74	142.40	33.94	77.90	8.36	37.20	6.35	14.91	1.96	10.66	1.57	178.80	9116.93	9295.73	0.93	1522.60	2.47
13KMSR0215Dup	**631399**	**7702602**	2785.87	4169.13	384.43	1140.16	134.63	32.18	73.21	7.96	36.29	6.31	14.93	1.87	10.33	1.55	180.20	8798.85	8979.05	0.90	1511.30	2.50
13KMSR0216	631499	7702601	2310.18	3596.95	333.09	991.56	123.20	30.63	69.61	7.91	38.42	6.68	16.47	2.17	11.59	1.58	196.58	7540.02	7736.60	0.77	1353.22	2.68
13KMSR0217	631598	7702602	1267.33	1934.05	181.92	551.01	68.74	15.96	41.22	4.55	21.92	3.83	9.64	1.29	7.12	1.08	112.13	4109.64	4221.78	0.42	849.21	1.58
13KMSR0218	631702	7702602	306.69	515.61	56.47	186.97	28.76	6.33	19.62	2.56	12.56	2.27	6.03	0.89	5.75	0.85	67.94	1151.34	1219.28	0.12	346.92	0.76
13KMSR0219	631801	7702600	313.25	523.10	56.62	188.61	29.01	5.79	20.29	2.45	12.34	2.33	6.37	1.01	5.16	0.91	69.59	1167.23	1236.82	0.12	304.86	0.46
13KMSR0220	629906	7702500	394.06	679.71	70.03	225.58	34.35	7.05	23.74	2.99	15.71	2.82	7.60	1.05	6.27	0.96	84.45	1471.93	1556.38	0.16	382.98	0.64
13KMSR0221	630007	7702501	464.55	819.32	82.78	269.09	39.67	8.61	26.45	3.23	15.88	2.90	7.58	1.03	5.98	0.88	85.21	1747.95	1833.16	0.18	461.52	0.78
13KMSR0222	630099	7702499	691.01	1224.24	119.16	384.56	54.39	13.34	34.54	3.98	19.79	3.45	9.09	1.20	7.19	0.94	105.15	2566.88	2672.03	0.27	649.93	1.24
13KMSR0223	630200	7702498	2429.46	4242.45	425.22	1376.00	181.14	45.18	105.34	11.71	54.33	8.95	20.19	2.51	11.44	1.72	251.31	8915.63	9166.95	0.92	3174.25	3.25
13KMSR0224	630292	7702507	2228.44	3967.31	420.31	1424.06	194.38	48.78	109.35	12.06	53.61	8.55	18.35	2.15	10.03	1.21	237.73	8498.59	8736.31	0.87	4550.21	4.84
13KMSR0225	630401	7702499	7206.97	9244.49	770.23	2113.63	223.19	53.18	115.04	11.56	50.15	7.74	16.87	2.00	10.84	1.32	214.49	19827.22	20041.70	2.00	2499.43	2.54
13KMSR0226	630502	7702500	5248.28	7815.15	756.49	2339.57	291.26	72.39	161.13	16.52	71.48	11.04	23.21	2.51	11.72	1.40	304.78	16822.15	17126.92	1.71	4236.91	3.55
13KMSR0227	630600	7702502	4587.52	6889.94	612.89	1775.61	214.98	52.01	112.46	11.03	48.23	7.35	15.92	1.88	9.51	1.22	211.95	14340.54	14552.49	1.46	2688.98	2.75
13KMSR0228	630704	7702503	998.29	1841.05	174.81	566.87	82.31	21.64	50.84	5.79	24.24	4.02	9.34	1.29	7.11	0.99	121.66	3788.58	3910.24	0.39	1198.43	1.19
13KMSR0229	630794	7702499	855.91	1570.71	158.45	531.06	86.30	23.86	57.05	6.60	29.84	4.97	11.44	1.51	7.72	1.05	152.13	3346.46	3498.60	0.35	1089.27	1.92
13KMSR0230	630898	7702499	6057.98	8218.54	683.91	1885.72	214.71	52.87	118.14	10.57	42.86	6.38	13.66	1.72	9.17	1.24	185.79	17317.48	17503.26	1.75	1959.51	1.79

Sample	Easting	Northing	La2O3	Ce2O3	Pr2O3	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb2O3	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	TREO	TREO+Y2O3	% TREO+Y2O3	Nb2O5	% P2O5
13KMSR0231	631003	7702499	6716.16	9303.40	775.80	2150.84	234.47	57.65	130.13	13.01	48.57	6.15	11.49	1.34	7.36	0.93	167.25	19457.30	19624.55	1.96	2341.49	2.25
13KMSR0232	631098	7702499	2689.46	4354.19	420.57	1309.87	174.76	43.69	101.44	10.84	48.10	7.53	16.43	1.77	10.15	1.43	217.03	9190.23	9407.26	0.94	2460.09	2.20
13KMSR0233	631201	7702501	4524.78	7024.64	640.46	1838.48	206.08	47.88	99.86	8.83	33.24	5.05	11.15	1.48	8.55	1.24	140.58	14451.72	14592.30	1.46	2003.29	1.54
13KMSR0234	631302	7702495	2746.23	4608.36	459.94	1477.25	199.54	51.31	114.81	13.04	59.10	9.89	22.98	2.91	15.47	2.21	275.95	9783.04	10058.99	1.01	2524.18	3.94
13KMSR0235	**631396**	**7702499**	2636.34	4367.07	423.38	1340.19	173.80	42.89	99.32	12.07	61.15	11.46	29.07	3.72	20.55	2.68	337.16	9223.70	9560.86	0.96	2327.75	4.35
13KMSR0235Dup	**631396**	**7702499**	2643.02	4369.30	427.02	1340.19	173.36	42.95	100.78	11.83	61.46	11.71	29.11	3.61	20.17	2.77	331.82	9237.29	9569.11	0.96	2327.04	4.42
13KMSR0236	631498	7702501	1688.95	2734.99	258.29	806.10	103.31	26.15	60.83	7.32	36.71	6.75	18.32	2.50	14.03	1.98	198.23	5766.22	5964.45	0.60	1511.30	2.73
13KMSR0237	631601	7702502	2017.80	3115.42	291.38	873.52	107.33	26.78	61.96	6.96	34.29	6.00	14.90	1.94	11.42	1.68	171.69	6571.41	6743.10	0.67	1348.21	2.70
13KMSR0238	631702	7702499	313.37	504.95	56.65	189.89	28.99	6.37	20.09	2.34	11.80	2.36	6.35	0.94	5.37	0.84	69.08	1150.31	1219.39	0.12	438.77	0.46
13KMSR0239	631801	7702503	306.69	497.22	55.96	184.06	28.57	5.60	20.14	2.54	11.98	2.30	6.38	0.86	5.35	0.91	68.19	1128.57	1196.76	0.12	318.45	0.41
13KMSR0240	629906	7702406	398.63	705.47	71.90	231.30	34.43	6.50	24.17	3.11	15.41	2.88	7.57	1.03	5.99	0.82	85.59	1509.21	1594.80	0.16	417.17	0.60
13KMSR0241	630001	7702396	473.81	842.16	83.69	275.85	38.01	9.03	26.33	3.14	15.40	2.91	7.35	0.98	5.48	0.84	83.94	1784.99	1868.93	0.19	548.64	0.85
13KMSR0242	630097	7702402	954.42	1725.68	167.56	543.08	75.50	18.76	46.95	5.69	26.71	4.54	11.07	1.44	7.66	1.06	129.91	3590.10	3720.01	0.37	1068.38	1.44
13KMSR0243	630205	7702400	2879.11	5082.39	514.22	1690.58	224.45	56.97	125.82	13.73	62.18	10.46	22.87	2.79	13.79	1.93	294.87	10701.28	10996.15	1.10	3555.22	3.90
13KMSR0244	630305	7702410	1899.00	3566.26	387.09	1322.00	179.90	45.26	102.73	11.39	51.00	8.09	17.62	2.04	10.04	1.23	230.11	7603.66	7833.76	0.78	4775.82	3.94
13KMSR0245	630397	7702403	3257.22	5837.76	628.79	2106.64	283.57	72.00	161.42	17.32	77.34	11.97	24.99	2.70	12.67	1.43	334.24	12495.81	12830.05	1.28	5007.15	4.95
13KMSR0246	630499	7702398	4941.12	6983.52	600.20	1707.49	198.77	46.99	106.77	11.04	48.20	7.46	15.29	1.77	9.17	1.16	202.55	14678.95	14881.49	1.49	2959.51	2.20
13KMSR0247	630594	7702403	4755.94	7855.79	753.72	2366.04	297.19	73.05	159.69	16.99	75.34	11.70	24.77	2.81	14.54	1.83	325.48	16409.40	16734.88	1.67	4517.17	5.45
13KMSR0248	630700	7702403	5704.50	7632.78	629.08	1701.78	182.31	42.14	91.75	9.01	41.02	6.59	15.39	1.94	11.19	1.60	195.82	16071.08	16266.90	1.63	2073.25	2.38
13KMSR0249	630798	7702398	1710.41	2683.21	240.98	725.85	96.57	24.45	58.01	6.32	29.99	5.07	11.77	1.52	8.51	1.26	147.18	5603.93	5751.11	0.58	1161.80	1.79
13KMSR0250	630905	7702400	5306.10	7782.23	682.05	1912.90	246.46	63.75	137.85	12.22	46.46	6.62	14.27	1.78	10.04	1.50	194.29	16224.25	16418.54	1.64	2261.95	2.20
13KMSR0251	630997	7702398	2548.96	4247.25	416.25	1322.11	185.99	47.24	108.75	11.81	53.07	8.74	19.62	2.42	11.34	1.60	245.22	8985.17	9230.38	0.92	2552.36	3.46
13KMSR0252	631102	7702403	3480.05	5773.92	537.12	1653.72	208.83	51.33	115.47	12.12	55.54	8.74	19.22	2.38	11.67	1.55	249.79	11931.66	12181.45	1.22	3431.33	3.25
13KMSR0253	631187	7702405	5131.23	7867.97	702.53	2020.67	233.53	55.21	121.70	11.49	47.04	7.50	17.08	2.25	11.50	1.60	206.10	16231.33	16437.43	1.64	3197.85	2.22
13KMSR0254	631301	7702399	2403.54	3960.63	369.98	1151.24	145.38	36.15	88.70	10.53	54.32	10.06	24.95	3.35	18.52	2.73	279.89	8280.07	8559.96	0.86	2360.37	3.02
13KMSR0255	**631399**	**7702400**	2102.48	3569.77	354.67	1135.14	146.97	37.68	89.02	10.32	51.52	9.29	22.71	3.07	17.74	2.34	255.88	7552.72	7808.61	0.78	2816.17	3.16
13KMSR0255Dup	**631399**	**7702400**	2073.28	3504.65	350.12	1131.99	151.19	37.57	90.72	10.51	52.22	9.36	22.40	2.99	16.52	2.21	263.38	7455.73	7719.10	0.77	2839.06	3.19
13KMSR0256	631500	7702400	1729.76	2839.35	285.83	914.22	118.20	29.03	71.24	8.64	47.12	9.12	24.39	3.20	16.81	2.59	261.60	6099.51	6361.11	0.64	2164.52	3.28
13KMSR0257	631599	7702401	1445.12	2309.69	234.06	740.43	98.29	23.71	61.92	7.31	40.25	7.81	21.09	2.94	15.99	2.38	231.88	5010.98	5242.86	0.52	2040.06	3.05
13KMSR0258	631698	7702399	659.93	1033.32	108.57	346.19	47.67	10.87	30.04	3.55	16.99	3.05	7.95	1.10	6.70	1.11	87.88	2277.02	2364.90	0.24	724.46	1.21
13KMSR0259	631800	7702402	359.35	567.73	62.86	205.17	30.30	5.84	19.66	2.42	12.50	2.38	6.47	0.95	5.85	0.93	71.37	1282.40	1353.77	0.14	378.68	0.34
13KMSR0260	629902	7702300	322.40	578.15	58.69	192.81	28.05	5.57	18.91	2.52	12.60	2.42	6.14	0.87	5.03	0.73	69.21	1234.90	1304.11	0.13	303.00	0.55
13KMSR0261	630010	7702303	364.04	674.43	67.57	233.05	34.81	8.06	24.34	3.00	14.60	2.49	6.67	0.85	5.06	0.74	71.50	1439.70	1511.20	0.15	446.64	0.71
13KMSR0262	630101	7702295	912.09	1588.75	152.57	506.57	67.06	17.81	45.89	5.23	25.17	4.17	10.67	1.24	7.30	1.01	115.43	3345.52	3460.95	0.35	1141.63	1.70
13KMSR0263	630201	7702300	1836.60	3221.43	314.73	1079.15	139.72	37.55	89.04	10.06	49.39	8.02	19.94	2.27	13.00	1.59	218.68	6822.50	7041.17	0.70	2937.34	3.71
13KMSR0264	630303	7702304	2496.54	4789.91	540.98	1800.22	241.09	64.23	151.52	16.47	77.61	12.02	28.22	3.11	16.23	1.93	321.16	10240.08	10561.24	1.06	4318.45	4.61
13KMSR0265	630401	7702303	3368.16	6570.99	771.92	2611.10	362.78	98.83	229.33	25.10	115.24	17.59	39.41	3.96	19.15	2.16	460.08	14235.74	14695.82	1.47	3650.50	5.13
13KMSR0265Dup	630401	7702303	3929.47	5818.08	511.62	1573.47	185.06	46.93	105.44	11.35	51.83	8.10	19.18	2.07	11.67	1.38	225.79	12275.64	12501.43	1.25	3122.46	3.92
13KMSR0266	630502	7702304	4093.89	5950.09	557.67	1601.70	188.77	48.99	112.71	11.77	53.82	8.19	19.45	2.06	11.44	1.42	218.93	12661.98	12880.91	1.29	3088.56	4.01
13KMSR0267	630605	7702304	9330.80	12136.19	1041.09	2959.39	277.33	67.11	144.65	12.85	49.19	6.68	15.61	1.78	10.90	1.32	186.04	26054.88	26240.92	2.62	4121.03	2.25
13KMSR0268	630704	7702302	2075.50	3773.23	380.64	1333.55	176.57	45.46	104.85	11.29	51.05	7.73	18.35	2.08	11.68	1.55	207.25	7993.53	8200.78	0.82	3904.15	6.03
13KMSR0269	630795	7702302	3741.47	5616.97	539.17	1549.80	182.30	47.33	102.94	10.27	43.83	6.58	15.70	1.85	11.50	1.58	173.47	11871.28	12044.75	1.20	2072.68	3.80
13KMSR0270	630901	7702303	3551.12	5511.79	522.25	1478.88	173.64	45.59	104.73	11.22	52.44	8.08	19.10	2.15	12.40	1.64	219.82	11495.00	11714.82	1.17	2720.89	3.39
13KMSR0271	631000	7702298	3421.88	5281.63	457.33	1384.63	168.86	44.06	103.22	10.76	45.90	6.98	16.48	1.93	11.05	1.52	188.20	10956.21	11144.41	1.11	2180.54	2.50
13KMSR0272	631105	7702303	2510.96	3916.94	358.11	1132.69	143.55	38.74	94.70	10.81	52.25	8.60	21.26	2.47	14.23	1.74	240.27	8307.06	8547.33	0.85	2779.83	3.21
13KMSR0273	631203	7702300	2816.48	4268.57	389.07	1201.39	141.71	35.01	84.47	9.25	43.89	7.37	19.07	2.30	14.27	1.85	204.07	9034.71	9238.78	0.92	2622.46	2.29
13KMSR0273Dup	631202	7702304	2535.48	3940.14	355.70	1103.65	129.23	33.06	80.19	8.82	43.07	7.18	19.19	2.26	13.53	1.84	206.61	8273.32	8479.94	0.85	2646.78	2.27
13KMSR0274	631294	7702307	1847.51	3046.43	279.15	916.56	115.62	30.48	74.76	8.84	44.67	7.74	20.93	2.59	15.69	2.15	218.80	6413.12	6631.93	0.66	2514.74	2.91
13KMSR0275	631397	7702301	1696.92	2675.95	252.71	798.40	103.29	26.69	64.58	7.83	38.80	6.74	17.88	2.24	13.36	1.81	185.91	5707.20	5893.11	0.59	2275.97	2.38
13KMSR0275Dup	631397	7702301	1560.76	2482.45	235.51	755.94	96.79	25.84	63.80	7.48	38.41	6.62	17.91	2.28	13.86	1.88	190.10	5309.54	5499.65	0.55	2254.65	2.43
13KMSR0276	631498	7702303	1725.19	2679.11	251.33	804.82	101.65	26.38	67.36	8.13	41.52	7.07	19.31	2.39	14.89	1.97	195.95	5751.12	5947.06	0.59	2193.71	2.43
13KMSR0277	631599	7702297	2630.94	3921.75	363.83	1135.49	138.11	35.87	84.82	9.43	43.99	7.00	17.74	2.06	12.33	1.60	195.69	8404.96	8600.65	0.86	2259.23	2.52
13KMSR0278	631700	7702300	2813.20	4174.63	381.34	1170.13	145.19	37.04	86.02	9.28	42.01	6.61	16.40	1.85	12.01	1.57	181.21	8897.28	9078.49	0.91	2187.84	2.50
13KMSR0279	631799	7702301	1649.66	2486.32	235.87	744.75	91.26	24.06	57.70	6.57	32.18	5.23	13.62	1.62	10.38	1.33	149.21	5360.57	5509.78	0.55	1423.18	1.99
13KMSR0280	629902	7702202	341.99	647.49	61.67	206.92	30.37	5.84	22.15	2.77	14.32	2.58	7.19	0.91	6.48	0.81	70.10	1351.50	1421.60	0.14	382.40	0.55
13KMSR0281	629999	7702202	715.06	1287.96	120.75	412.91	57.31	14.15	38.89	4.49	22.98	3.77	9.79	1.19	6.92	0.92	97.91	2697.08	2794.98	0.28	930.47	1.35
13KMSR0282	630103	7702198	1118.15	2085.50	206.34	708.00	96.70	25.11	65.24	7.60	36.14	5.93	15.62	1.79	11.13	1.38	167.12	4384.62	4551.74	0.46	1928.61	2.25
13KMSR0283	630200	7702199	944.57	1777.33	176.26	609.68	85.57	23.09	57.75	6.66	32.94	5.45	13.81	1.56	9.37	1.24	149.72	3745.29	3895.01	0.39	1369.67	1.79
13KMSR0284	630302	7702197	1750.17	3391.62	346.54	1219.47	167.96	44.86	107.96	12.50	63.69	10.52	26.78	2.91	16.10	1.94	286.87	7163.01	7449.88	0.74	2981.97	3.44
13KMSR0285	630405	7702201	2189.62	4216.80	436.10	1553.99	214.94	58.67	143.72	17.52	87.39	14.18	35.86	4.04	22.90	2.75	382.75	8998.48	9381.23	0.94	3041.49	3.46
13KMSR0285Dup	630405	7702201	2130.86	4138.20	431.13	1529.73	208.69	57.03	141.50	16.95	85.57	14.25	35.09	4.00	22.18	2.71	387.07	8817.90	9204.97	0.92	3203.29	3.53
13KMSR0286	630501	7702207	4593.97	6935.97	673.93	1932.72	235.20	61.51	138.62	14.34	64.79	10.02	24.99	2.90	17.14	2.31	277.22	14708.42	14985.63	1.50	3298.71	4.03
13KMSR0287	630600	7702199	2682.43	3837.06	320.02	951.90	109.51	27.88	65.92	7.08	32.63	4.96	11.94	1.37	8.54	1.16	134.74	8062.40	8197.13	0.82	1674.54	1.95
13KMSR0288	630695	7702195	3056.43	4418.03	371.13	1094.43	126.88	32.29	74.48	8.16	40.46	6.47	15.56	1.71	9.86	1.32	173.47	9257.22	9430.69	0.94	2196.85	2.22
13KMSR0289	630793	7702195	2360.61	3769.01	337.49	1054.66	127.13	34.04	82.93	9.32	45.10	7.34	17.99	2.15	12.34	1.65	192.26	7861.77	8054.03	0.81	2531.62	3.37
13KMSR0290	630899	7702199	1402.90	2354.31	213.01	685.61	90.45	23.98	58.66	6.99	36.43	6.21	17.22	2.23	13.32	1.81	180.20	4913.12	5093.32	0.51	1550.79	3.21
13KMSR0291	630999	7702201	2837.24	4310.15	393.35	1236.97	155.07	39.60	93.01	10.06	46.77	7.13	17.77	1.94	12.29	1.71	197.34	9163.05	9360.39	0.94	2061.37	2.54
13KMSR0291Dup	630999	7702201	2368.00	3534.05	332.99	1044.28	130.55	33.20	80.13	8.55	38.47	5.90	14.55	1.66	9.28	1.33	160.52	7602.92	7763.43	0.78	1839.20	2.34
13KMSR0292	631100	7702198	2964.96	4604.38	412.43	1273.83	154.05	40.04	93.42	10.07	44.53	7.02	16.84	1.94	11.31	1.55	187.82	9636.36	9824.18	0.98	2093.13	2.50
13KMSR0293	631201	7702203	2887.79	4458.55	390.28	1200.93	147.10	37.45	88.45	9.29	42.77	6.67	16.00	1.88	11.52	1.52	181.34	9300.20	9481.54	0.95	2021.03	2.31
13KMSR0294	631297	7702201	3579.97	5451.93	477.53	1441.32	173.41	44.67	103.38	10.77	47.02	7.09	17.27	2.01	11.79	1.65	198.61	11369.81	11568.42	1.16	2427.04	2.59
13KMSR0295	631397	7702201	3605.66	5438.70	528.53	1500.81	181.72	46.55	110.20	11.42	51.34	7.80	18.94	2.19	12.98	1.73	211.31	11518.55	11729.87	1.17	2418.17	2.77
13KMSR0295Dup	631397	7702201	3591.00	5367.01	525.57	1464.30	177.29	45.92	106.74	11.18	50.07	7.50	18.46	2.08	12.51	1.65	212.84	11381.29	11594.12	1.16	2431.62	2.77
13KMSR0296	631499	7702203	3331.92	5074.54	455.55	1394.43	167.46	43.70	101.60	10.81	48.00	7.29	17.88	2.07	12.49	1.67	199.88	10669.41	10869.29	1.09	2263.38	2.73
13KMSR0297	631599	7702198	3035.91	4547.22	416.07	1287.82	157.69	39.82	93.91	10.07	45.06	6.94	17.45	1.99	12.76	1.65	191.88	9674.37	9866.25	0.99	2179.83	2.59
13KMSR0298	631696	7702202	2710.46	4067.22	370.73	1149.49	142.97	35.99	84.42	9.06	42.46	6.82	17.35	2.01	12.97	1.72	187.18	8653.65	8840.83	0.88	2067.38	2.36
13KMSR0299	631800	7702202	2458.78	3625.88	337.82	1030.63	129.25	33.23	79.30	8.30	38.22	6.11	14.81	1.78	10.89	1.41	164.71	7776.39	7941.10	0.79	1710.59	2.11
13KMSR0300	629903	7702102	227.64	417.92	43.50	151.05	22.80	4.54	16.80	2.13	11.18	2.02	5.69	0.75	4.69	0.69	56.13	911.41	967.54	0.10	316.60	0.48
13KMSR0301	629998	7702098	210.28	399.76	40.60	138.92	20.84	4.35	16.00	2.04	11.21	2.02	5.66	0.80	4.98	0.73	55.24	858.18	913.42	0.09	258.94	0.53
13KMSR0302	630099	7702104	297.77	547.70	55.04	186.51	27.93	6.47	20.63	2.62	14.13	2.42	6.69	0.87	5.61	0.75	65.78	1175.15	1240.93	0.12	349.79	0.64
13KMSR0303	630201	7702103	496.80	946.18	90.05	307.11	44.64	11.37	32.78	3.95	20.43	3.37	9.22	1.14	6.99	0.90	97.02	1974.93	2071.95	0.21	580.83	1.10
13KMSR0304	630304	7702101	457.04	878.01	86.58	296.73	43.66	11.39	32.71	3.97	19.95	3.49	8.99	1.22	6.81	0.92	96.13	1851.47	1947.60	0.19	611.87	1.03
13KMSR0305	630401	7702103	935.66	1829.22	182.24	655.40	94.29	25.31	64.38	7.84	42.88	7.58	20.50	2.50	13.84	1.74	208.14	3883.38	4091.52	0.41	1711.16	2.06
13KMSR0305Dup	630401	7702103	930.15	1838.71	183.99	660.42	94.65	25.54	66.92	8.24	43.81	7.89	21.12	2.58	14.46	1.80	221.98	3900.28	4122.25	0.41	1808.01	2.13
13KMSR0306	630502	7702103	1480.66	2613.29	242.61	809.48	108.85	28.63	72.22	8.51	43.03	7.38	19.14	2.20	13.06	1.61	204.71	5450.68	5655.39	0.57	1915.16	2.54
13KMSR0307	630602	7702102	2218.23	3414.93	294.61	931.25	115.35	29.55	72.42	7.98	37.12	5.97	14.69	1.66	9.34	1.24	160.39	7154.32	7314.71	0.73	1794.99	2.38
13KMSR0308	630698	7702102	2357.09	3584.65	299.22	919.71	110.54	28.61	70.79	8.00	40.69	6.79	17.82	2.12	12.87	1.73	189.22	7460.63	7649.85	0.76	1806.01	2.41
13KMSR0309	630802	7702103	3012.34	4286.96	378.71	1186.58	139.02	35.26	83.04	9.31	44.48	7.09	17.29	1.99	12.56	1.67	194.17	9216.31	9410.47	0.94	2067.95	3.02
13KMSR0310	630903	7702103	2536.88	4019.55	371.87	1210.72	150.20	38.84	92.98	10.39	48.69	7.80	19.71	2.33	13.68	1.90	208.26	8525.55	8733.81	0.87	2575.68	4.58
13KMSR0311	630999	7702102	1921.40	2950.74	277.64	856.95	105.93	27.53	65.71	7.08	33.10	5.30	13.60	1.60	10.11	1.48	143.12	6278.17	6421.29	0.64	1835.19	2.15
13KMSR0312	631099	7702099	1675.70	2518.41	238.76	731.10	91.36	22.69	55.73	5.93	27.99	4.51	11.22	1.35	8.36	1.14	124.07	5394.25	5518.32	0.55	1752.50	1.49
13KMSR0313	631202	7702099	1115.45	1706.94	162.48	498.29	64.09	15.77	39.51	4.35	19.55	3.17	8.21	0.99	6.21	0.89	86.86	3645.89	3732.76	0.37	1447.78	1.05
13KMSR0314	631293	7702101	1712.87	2615.75	238.45	751.98	94.68	24.41	58.54	6.38	30.38	4.81	11.81	1.43	9.02	1.22	132.70	5561.72	5694.43	0.57	1533.33	1.97
13KMSR0315	631403	7702100	3539.98	5441.98	502.56	1463.95	176.70	45.44	103.42	10.77	48.52	7.09	17.12	1.95	11.06	1.52	202.17	11372.07	11574.23	1.16	2395.85	2.75
13KMSR0315Dup	631403	7702100	3606.01	5495.51	529.09	1484.59	178.73	46.43	107.38	11.08	49.78	7.48	17.99	2.06	11.91	1.61	201.53	11549.65	11751.18	1.18	2357.08	2.75
13KMSR0316	631499	7702101	2664.13	3947.98	373.30	1139.57	139.01	34.74	82.09	8.62	39.39	6.06	15.04	1.72	10.15	1.39	175.12	8463.19	8638.31	0.86	2007.01	2.18
13KMSR0317	631602	7702102	2491.14	3673.90	343.41	1055.94	131.34	33.07	76.92	8.20	36.94	5.81	14.00	1.60	10.10	1.33	163.82	7883.70	8047.52	0.80	1758.94	2.02
13KMSR0318	631701	7702099	2434.38	3618.73	340.31	1043.69	129.74	32.35	77.50	8.31	38.67	6.05	14.64	1.78	10.86	1.48	167.37	7758.49	7925.86	0.79	1844.92	1.92
13KMSR0319	631798	7702105	1217.48	1787.05	175.17	550.77	71.47	16.48	45.11	5.03	24.38	3.95	10.53	1.24	7.97	1.16	110.10	3917.80	4027.90	0.40	886.98	1.01
13KMSR0320	629901	7701997	210.17	386.88	41.56	143.47	21.79	3.13	16.18	2.08	11.34	2.11	6.15	0.87	5.40	0.82	59.81	851.93	911.75	0.09	194.28	0.39

Sample	Easting	Northing	La2O3	Ce2O3	Pr2O3	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb2O3	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	TREO	TREO+Y2O3	% TREO+Y2O3	Nb2O5	% P2O5
13KMSR0321	630004	7702007	154.34	279.36	30.04	101.94	16.14	3.11	12.51	1.59	8.93	1.72	4.75	0.66	4.24	0.63	47.11	619.95	667.06	0.07	208.30	0.39
13KMSR0322	630102	7702001	174.63	321.52	34.31	118.39	18.17	3.81	14.32	1.76	9.73	1.71	4.83	0.65	4.20	0.60	49.40	708.63	758.03	0.08	203.43	0.53
13KMSR0323	630196	7701999	284.05	538.68	54.49	184.87	28.49	6.69	22.25	2.83	14.77	2.55	7.23	0.90	5.72	0.75	70.86	1154.28	1225.14	0.12	339.48	0.89
13KMSR0324	630299	7702010	349.38	710.39	68.56	239.58	36.78	9.73	26.15	3.19	17.46	3.13	8.62	1.11	6.96	0.94	88.51	1481.97	1570.48	0.16	533.62	1.10
13KMSR0325	630399	7702001	406.49	841.34	78.67	266.41	39.32	9.98	27.94	3.48	18.19	3.14	8.53	1.13	6.84	0.93	85.85	1712.40	1798.24	0.18	750.79	1.01
13KMSR0325Dup	630399	7702001	411.77	846.73	79.25	271.65	40.61	10.02	28.93	3.37	17.86	3.09	8.22	1.05	6.43	0.89	87.24	1729.88	1817.12	0.18	742.20	1.03
13KMSR0326	630506	7702005	1070.53	2050.36	203.76	711.97	99.33	26.24	65.05	7.50	37.84	6.36	16.00	1.74	9.67	1.32	172.71	4307.67	4480.37	0.45	1799.00	2.11
13KMSR0327	630604	7702008	1858.42	3072.20	280.47	917.72	118.31	31.43	77.24	8.62	43.04	6.85	17.22	2.07	12.32	1.66	191.88	6447.57	6639.46	0.66	2277.11	2.98
13KMSR0328	630704	7701997	2190.67	3210.77	274.39	822.20	97.57	25.54	63.64	6.95	33.42	5.44	14.57	1.74	11.15	1.49	154.42	6759.53	6913.95	0.69	2114.74	2.20
13KMSR0329	630803	7702003	3387.05	5018.20	430.57	1321.30	152.05	39.81	91.75	10.03	48.95	7.86	19.35	2.20	13.47	1.76	216.14	10544.33	10760.47	1.08	2734.62	2.89
13KMSR0330	630901	7702005	2863.04	4375.74	407.30	1284.44	155.98	40.13	93.97	10.16	47.97	7.66	18.58	2.20	12.54	1.68	199.63	9321.41	9521.04	0.95	2571.10	3.99
13KMSR0331	631000	7701998	894.14	1461.67	141.93	470.53	62.72	16.35	42.19	5.02	25.55	4.46	12.00	1.47	9.71	1.40	123.94	3149.13	3273.07	0.33	1304.29	2.66
13KMSR0332	631097	7702004	1026.55	1628.81	156.15	493.27	65.92	16.20	42.47	4.71	23.02	3.67	9.78	1.20	7.80	1.18	102.10	3480.74	3582.84	0.36	1372.25	1.67
13KMSR0333	631200	7702004	566.81	928.02	87.96	280.29	37.78	9.48	24.80	2.91	14.23	2.29	6.21	0.86	5.12	0.75	65.02	1967.52	2032.54	0.20	918.88	1.10
13KMSR0334	631305	7701997	619.00	1003.45	95.09	309.91	41.95	10.33	28.26	3.30	15.76	2.67	7.12	0.94	5.85	0.84	75.18	2144.49	2219.66	0.22	1248.93	1.49
13KMSR0335	631399	7702000	2954.75	4637.41	428.97	1286.66	157.66	39.75	86.00	9.56	44.85	6.93	14.11	1.71	10.35	1.32	196.96	9680.04	9877.00	0.99	1889.41	2.20
13KMSR0335Dup	631399	7702000	2844.04	4493.69	418.02	1267.76	155.12	39.94	84.77	9.85	43.53	6.85	14.05	1.68	10.41	1.36	194.93	9391.08	9586.01	0.96	1801.14	2.25
13KMSR0336	631498	7702002	2940.09	4396.24	385.27	1187.28	146.49	37.74	87.59	9.17	41.11	6.35	15.35	1.74	10.25	1.43	179.31	9266.09	9445.40	0.94	2001.29	2.47
13KMSR0337	631596	7701997	1086.48	1691.83	153.73	478.46	61.39	16.27	40.56	4.28	21.03	3.45	8.53	1.03	6.38	0.86	93.97	3574.27	3668.24	0.37	840.92	1.21
13KMSR0338	631701	7701997	1266.86	1966.73	179.59	560.69	72.83	18.62	44.71	4.77	23.50	3.70	9.55	1.14	6.82	0.93	102.73	4160.45	4263.18	0.43	1158.94	1.54
13KMSR0339	631800	7702000	1436.09	2219.85	205.31	640.94	81.28	20.69	51.34	5.54	27.07	4.28	10.65	1.26	7.69	1.02	119.75	4713.00	4832.75	0.48	1246.78	1.67

Rock Chip Sample results

SAMPLE	Easting	Northing	La2O3	Ce2O3	Pr2O3	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb2O3	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	TREO	TREO+Y2O3	%TREO+Y2O3	Nb2O5	%P2O5
13KMRC0005	630409	7703592	224.59	344.51	34.95	111.51	14.75	3.72	8.36	0.92	1.06	0.79	1.91	0.30	1.53	0.24	21.72	770.83	792.55	0.08	121.35	0.21
13KMRC0005Dup	630409	7703592	157.98	249.89	25.41	80.48	9.89	2.42	5.46	0.67	0.77	0.45	1.29	0.21	1.17	0.19	13.97	550.24	564.21	0.06	92.87	0.11
13KMRC0006	630499	7703602	43.75	88.06	10.11	40.01	8.08	1.83	7.85	1.17	1.35	1.43	4.29	0.61	3.69	0.56	47.37	260.15	307.51	0.03	27.19	0.27
13KMRC0007	630594	7703600	42.46	62.06	7.19	26.13	5.43	2.04	4.21	0.56	0.65	0.46	1.12	0.17	0.91	0.16	13.71	167.25	180.96	0.02	184.31	0.05
13KMRC0008	630710	7703605	1496.14	2767.54	285.83	1030.05	180.64	50.67	128.39	12.89	14.80	8.08	18.16	2.32	13.85	1.89	220.58	6231.82	6452.40	0.65	14.60	0.05
13KMRC0009	630805	7703600	1687.54	2501.02	208.76	599.88	63.94	15.09	33.33	3.26	3.74	2.21	4.86	0.62	3.35	0.49	59.81	5187.89	5247.71	0.52	576.98	1.33
13KMRC0010	630901	7703601	1286.56	2517.53	260.13	905.59	133.53	33.58	85.83	9.59	11.00	8.40	20.94	2.81	17.81	2.39	240.01	5535.71	5775.72	0.58	652.97	1.99
13KMRC0011	631005	7703603	47.62	92.74	10.95	42.81	9.52	2.00	9.24	1.38	1.59	1.82	5.79	0.88	6.01	0.86	62.48	295.70	358.18	0.04	23.47	0.32
13KMRC0012	631101	7703608	564.35	1079.66	107.90	386.20	58.30	16.52	43.03	5.21	5.98	4.63	11.01	1.32	7.42	0.97	136.64	2429.16	2565.80	0.26	243.84	7.63
13KMRC0014	631304	7703598	155.51	270.85	26.54	84.91	11.25	2.85	6.34	0.62	0.71	0.39	1.02	0.17	0.87	0.17	12.32	574.53	586.84	0.06	94.30	0.11
13KMRC0026	630511	7703488	549.10	1188.68	125.05	458.63	73.91	21.58	57.51	7.55	8.67	7.69	19.39	2.41	14.13	1.84	227.82	2763.97	2991.79	0.30	305.23	4.42
13KMRC0027	630595	7703501	865.06	1850.77	220.33	876.90	168.00	48.23	117.85	12.35	14.17	9.38	23.41	3.11	17.64	2.40	270.74	4500.34	4771.08	0.48	475.38	1.19
13KMRC0028	630699	7703496	270.80	483.27	46.31	151.17	20.98	5.08	13.27	1.36	1.56	0.92	2.15	0.26	1.72	0.22	27.81	1026.86	1054.68	0.11	93.44	0.46
13KMRC0029	630804	7703496	522.13	1109.64	115.84	423.52	70.39	20.02	49.79	5.77	6.62	5.18	13.33	1.78	10.42	1.47	157.85	2513.74	2671.59	0.27	448.62	4.19
13KMRC0030	630900	7703494	2727.23	4732.25	454.09	1499.87	209.75	54.54	118.75	12.12	13.91	8.40	17.93	2.11	10.74	1.34	225.66	10088.68	10314.35	1.03	3396.48	9.55
13KMRC0031	631000	7703498	635.77	1330.14	142.61	533.63	119.26	34.42	98.49	11.04	12.67	9.04	23.10	3.15	18.88	3.00	269.85	3245.06	3514.92	0.35	566.10	2.20
13KMRC0032	631096	7703498	156.10	249.77	24.31	79.55	11.13	2.99	8.00	1.01	1.16	1.12	3.34	0.51	3.27	0.49	35.81	578.57	614.38	0.06	138.38	0.25
13KMRC0042	630109	7703395	1196.26	1987.42	186.02	624.14	88.25	23.91	58.83	6.48	7.44	4.85	10.84	1.38	7.74	1.05	130.93	4335.52	4466.45	0.45	845.58	1.33
13KMRC0043	630203	7703398	72.48	130.92	14.09	47.59	8.48	2.86	6.27	0.68	0.78	0.48	1.27	0.16	1.18	0.22	14.73	302.18	316.91	0.03	373.92	0.16
13KMRC0044	630299	7703405	22.64	43.56	4.68	17.85	3.55	0.82	3.34	0.45	0.52	0.52	1.58	0.25	1.58	0.26	17.14	118.73	135.88	0.01	10.30	0.09
13KMRC0046	630503	7703405	1288.79	2716.95	299.20	1098.87	186.65	52.06	133.23	15.94	18.30	13.68	35.54	4.74	29.16	3.79	380.72	6277.60	6658.32	0.67	618.19	2.45
13KMRC0047	630599	7703402	1396.57	2662.27	290.36	1058.62	165.50	42.54	93.16	9.06	10.40	5.88	12.49	1.46	7.42	0.92	162.42	5919.08	6081.50	0.61	516.02	3.41
13KMRC0048	630691	7703385	5167.59	7480.11	667.38	1851.66	236.08	56.39	105.91	6.61	7.58	1.74	2.44	0.32	2.78	0.57	37.72	15624.87	15662.59	1.57	163.71	0.07
13KMRC0049	630788	7703396	3007.76	5017.27	458.86	1486.69	182.52	44.14	92.14	8.37	9.60	5.17	10.79	1.11	6.58	0.81	138.29	10470.11	10608.40	1.06	322.55	3.62
13KMRC0050	630898	7703384	1126.47	2320.22	226.03	777.64	95.82	22.29	44.86	4.32	4.95	3.17	6.95	0.71	4.45	0.59	89.78	4728.26	4818.04	0.48	251.28	0.11
13KMRC0051	631000	7703405	6323.62	7707.17	636.00	1640.08	179.10	43.58	88.69	7.07	8.11	4.25	9.89	1.18	8.41	1.40	126.61	16785.16	16911.77	1.69	2385.48	3.46
13KMRC0052	631099	7703403	2290.95	4915.04	534.05	1939.26	275.36	70.44	156.35	15.69	18.01	11.13	22.64	2.17	11.88	1.31	297.79	10562.06	10859.85	1.09	325.98	2.15
13KMRC0053	631200	7703410	3351.04	5516.70	521.28	1699.91	226.02	55.58	115.31	10.00	11.48	4.98	9.61	1.19	6.57	0.94	134.23	11664.83	11799.06	1.18	3443.70	6.78
13KMRC0056	631499	7703397	2504.75	4812.34	479.83	1648.36	246.48	66.80	160.23	18.97	21.77	22.04	58.99	7.08	38.28	4.48	640.66	10731.08	11371.74	1.14	3072.93	12.21
13KMRC0057	631609	7703385	3860.51	6494.13	649.72	1988.25	319.71	96.45	264.84	39.11	44.89	44.41	120.81	17.05	103.86	14.05	1413.65	15471.45	16885.10	1.69	2167.25	12.44
13KMRC0058	631672	7703392	3412.50	5967.88	517.46	1426.04	139.70	29.71	65.39	5.88	6.75	3.89	8.76	1.10	7.25	1.03	109.59	11702.94	11812.53	1.18	432.59	2.25
13KMRC0059	631821	7703389	3048.81	5930.30	661.93	2261.53	399.10	100.27	252.17	23.46	26.92	13.48	26.30	2.82	14.76	1.84	349.98	13113.68	13463.66	1.35	830.41	4.63
13KMRC0062	630102	7703302	539.96	1009.87	94.75	318.78	47.58	11.73	31.59	3.36	3.86	2.68	6.28	0.83	5.07	0.75	79.37	2156.45	2235.82	0.22	629.93	1.35
13KMRC0063	630196	7703313	214.86	398.02	41.22	143.93	21.06	4.63	12.16	1.29	1.48	0.96	2.55	0.35	2.36	0.39	29.84	875.10	904.95	0.09	110.90	0.23
13KMRC0064	630301	7703301	234.79	438.19	44.71	146.85	18.34	3.76	7.81	0.58	0.66	0.32	0.74	0.15	0.95	0.15	9.40	907.40	916.80	0.09	147.97	0.09
13KMRC0065	630405	7703297	1505.76	3151.04	331.64	1201.74	174.13	45.27	97.24	8.21	9.42	3.85	6.42	0.59	2.79	0.42	92.32	6630.84	6723.16	0.67	2162.67	0.37
13KMRC0065Dup	630405	7703297	1686.84	3559.49	378.71	1364.45	195.08	49.72	105.22	8.76	10.05	3.81	6.28	0.55	3.30	0.45	92.07	7464.79	7556.86	0.76	1882.34	0.39
13KMRC0066	630491	7703296	907.28	2032.27	228.95	883.90	130.59	35.18	81.40	9.59	11.00	9.32	22.96	2.81	15.09	1.90	280.90	4653.14	4934.04	0.49	411.13	3.28
13KMRC0067	630598	7703287	2428.87	5503.58	562.05	1916.51	194.11	41.04	78.88	7.62	8.75	5.76	14.23	1.77	10.68	1.42	171.82	10947.08	11118.90	1.11	894.23	3.69
13KMRC0068	630690	7703302	1614.83	2241.53	236.27	735.18	94.92	24.39	60.02	5.72	6.57	3.45	7.50	0.91	4.51	0.69	104.64	5141.13	5245.77	0.52	649.10	0.62
13KMRC0069	630797	7703299	1910.49	4124.38	440.11	1569.16	216.07	53.92	115.96	10.85	12.46	7.63	16.54	1.79	9.41	1.15	216.39	8706.31	8922.70	0.89	811.81	2.84
13KMRC0070	630901	7703304	2559.75	5369.04	565.63	2003.18	293.97	75.92	159.52	14.80	16.99	8.93	19.20	2.22	12.41	1.60	246.23	11349.40	11595.63	1.16	1038.19	3.89
13KMRC0071	630995	7703303	2374.80	4934.13	516.21	1881.99	286.79	77.07	177.18	18.40	21.12	11.88	23.48	2.40	12.34	1.44	314.43	10653.66	10968.08	1.10	1233.38	2.96
13KMRC0072	631106	7703297	416.58	789.14	75.32	252.88	35.69	8.39	20.93	2.09	2.40	1.63	3.80	0.57	3.02	0.47	46.73	1659.64	1706.37	0.17	362.47	0.66
13KMRC0073	631199	7703301	2154.67	4591.02	504.11	1867.76	284.65	73.50	155.87	14.38	16.50	7.77	15.64	1.71	9.23	0.94	226.68	9924.42	10151.10	1.02	56.24	0.34
13KMRC0074	631304	7703318	297.77	519.92	53.03	164.00	18.53	4.23	8.43	0.76	0.87	0.48	1.25	0.16	1.40	0.18	16.00	1087.00	1103.01	0.11	306.38	0.07
13KMRC0077	631599	7703302	838.43	1607.67	159.06	547.16	83.85	21.55	56.97	6.46	7.41	5.57	13.65	1.74	10.44	1.34	170.17	3531.46	3701.63	0.37	409.55	5.27
13KMRC0081	629999	7703187	382.68	802.02	82.61	295.45	50.78	12.44	36.54	4.30	4.94	3.72	9.61	1.28	7.78	1.08	114.04	1809.26	1923.30	0.19	306.23	0.87
13KMRC0083	630203	7703196	148.59	282.45	31.33	114.42	23.97	6.89	21.99	3.12	3.58	3.44	9.17	1.22	6.85	0.86	105.66	763.55	869.20	0.09	167.14	2.02
13KMRC0084	630304	7703198	4876.15	6074.45	449.57	1177.95	116.41	27.53	55.67	4.50	5.17	2.31	4.41	0.43	3.47	0.47	58.16	12856.66	12914.82	1.29	23.04	1.03
13KMRC0085	630398	7703199	2656.63	5029.33	513.00	1802.55	280.73	76.28	175.82	19.31	22.17	18.82	53.20	7.44	41.54	4.88	580.09	11281.78	11861.87	1.19	2198.73	11.04
13KMRC0085Dup	630398	7703199	2665.77	5129.10	518.29	1818.65	284.02	78.60	176.52	19.53	22.42	18.60	53.90	7.33	42.38	5.21	568.79	11409.12	11977.91	1.20	2155.52	11.00
13KMRC0086	630506	7703183	1121.67	2658.17	320.24	1318.03	248.02	70.02	156.23	17.08	19.60	12.61	29.17	3.49	18.98	2.49	373.60	6369.42	6743.02	0.67	24855.33	17.25
13KMRC0087	630601	7703199	19772.24	23393.54	1735.36	4202.07	319.56	70.40	133.86	10.20	11.70	4.88	7.92	0.97	5.78	0.72	123.82	49793.02	49916.83	4.99	604.45	0.16
13KMRC0088	630703	7703197	160.44	259.03	24.73	82.23	13.68	3.59	9.94	1.37	1.57	1.45	3.82	0.54	3.26	0.50	44.83	610.97	655.80	0.07	282.48	0.34
13KMRC0089	630809	7703191	1691.18	3378.45	355.72	1306.83	181.18	43.72	88.84	9.50	10.90	10.11	26.63	3.45	20.80	2.66	314.81	7444.79	7759.60	0.78	185.89	0.96
13KMRC0090	630896	7703184	1749.82	3749.89	398.35	1431.64	195.51	49.48	106.73	10.52	12.07	7.37	16.19	1.70	8.62	0.99	214.49	7953.36	8167.85	0.82	5164.19	3.41
13KMRC0091	630995	7703160	1211.27	2719.53	306.21	1138.76	176.14	48.06	114.02	14.72	16.90	10.46	22.89	2.40	11.72	1.28	281.03	6075.38	6356.41	0.64	2761.26	4.70
13KMRC0092	631096	7703184	2011.47	4314.78	465.10	1698.28	256.24	67.48	146.35	15.50	17.79	8.85	17.83	1.69	9.10	1.02	228.84	9260.32	9489.16	0.95	2309.92	2.08
13KMRC0093	631195	7703199	1923.74	4218.53	455.21	1678.45	246.19	65.04	139.13	15.90	18.24	9.37	19.41	1.84	8.54	1.07	246.11	9046.77	9292.87	0.93	1851.43	1.99
13KMRC0094	631293	7703192	498.09	1160.46	127.66	485.69	78.32	21.73	54.18	6.71	7.70	5.07	12.30	1.54	8.21	1.16	142.74	2611.57	2754.31	0.28	270.32	4.44
13KMRC0098	631696	7703199	197.50	391.00	43.50	157.93	26.14	7.13	18.16	2.60	2.99	2.21	5.74	0.82	4.52	0.78	65.15	926.17	991.32	0.10	1440.44	0.32
13KMRC0099	631791	7703197	358.76	632.11	65.57	214.38	28.72	6.69	17.63	2.06	2.36	1.56	4.12	0.61	3.39	0.56	46.99	1385.51	1432.50	0.14	437.60	1.95
13KMRC0101	630000	7703101	65.09	135.72	16.09	64.15	15.64	4.05	15.58	2.80	3.21	3.10	8.39	1.14	7.45	1.01	91.81	435.25	527.07	0.05	142.24	0.66
13KMRC0102	630096	7703104	855.91	1401.80	132.34	460.26	78.82	18.86	53.60	6.70	7.69	5.46	13.79	1.95	11.79	1.77	153.28	3204.02	3357.30	0.34	286.49	0.82
13KMRC0103	630202	7703103	11428.82	14875.92	1251.46	3462.46	371.51	92.23	204.30	23.58	27.07	12.13	18.92	1.39	5.42	0.57	289.16	32064.94	32354.09	3.24	554.37	3.00
13KMRC0104	630298	7703095	3109.33	4689.86	421.14	1404.11	209.50	55.01	122.04	13.92	15.97	8.49	17.45	1.83	8.57	1.07	216.64	10294.93	10511.58	1.05	508.72	3.64
13KMRC0105	630402	7703101	397.93	663.02	64.59	208.79	31.27	8.34	20.26	2.54	2.92	1.84	4.14	0.56	2.63	0.35	50.67	1459.86	1510.53	0.15	224.67	0.25
13KMRC0105Dup	630402	7703101	525.65	983.64	92.91	305.13	45.86	11.94	28.75	3.27	3.75	2.31	5.43	0.66	3.30	0.45	65.15	2078.21	2143.35	0.21	283.19	0.37
13KMRC0106	630499	7703099	1440.32	3180.08	332.89	1196.03	184.52	49.55	114.94	15.10	17.33	17.49	52.74	7.47	42.86	5.37	509.10	7165.78	7674.88	0.77	421.29	6.62
13KMRC0107	630603	7703095	2317.80	3948.61	366.50	1214.11	175.34	45.79	102.90	13.25	15.20	10.77	24.88	2.81	13.99	1.74	293.22	8546.93	8840.15	0.88	794.35	6.62
13KMRC0108	630696	7703097	2136.26	4230.94	441.80	1605.20	248.62	67.93	159.14	19.85	22.79	14.55	34.41	4.11	21.52	2.80	410.81	9420.73	9831.54	0.98	1478.37	5.82
13KMRC0109	630799	7703103	2520.70	5314.23	551.11	1942.64	258.60	64.67	145.67	16.99	19.50	12.38	28.15	3.15	16.32	1.98	332.21	11228.29	11560.50	1.16	651.53	6.28
13KMRC0110	630906	7703099	1929.61	4069.11	428.75	1524.37	211.63	55.73	122.61	13.36	15.34	9.10	20.90	2.43	13.78	1.69	249.79	8668.20	8917.99	0.89	1886.20	7.29

SAMPLE	Easting	Northing	La2O3	Ce2O3	Pr2O3	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb2O3	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	TREO	TREO+Y2O3	%TREO+Y2O3	Nb2O5	%P2O5
13KMRC0111	631001	7703095	2100.72	4598.63	490.00	1737.00	226.41	58.49	128.64	15.00	17.21	10.01	21.86	2.56	11.77	1.35	276.20	9695.87	9972.08	1.00	1797.34	4.90
13KMRC0112	631091	7703098	1680.97	3639.35	394.00	1448.67	208.73	51.12	106.12	11.66	13.38	7.34	15.09	1.35	6.23	0.60	193.02	7777.65	7970.67	0.80	350.45	1.33
13KMRC0113	631232	7703103	162.20	273.78	28.88	92.03	10.31	2.37	4.77	0.45	0.52	0.36	0.85	0.19	1.18	0.22	9.27	587.37	596.64	0.06	204.92	0.09
13KMRC0114	631300	7703093	1457.44	3155.26	335.91	1183.90	162.51	41.52	88.54	9.62	11.04	5.75	11.50	1.26	6.13	0.72	158.99	6630.09	6789.08	0.68	4104.11	3.80
13KMRC0120	629905	7702996	430.30	913.73	95.15	361.12	74.35	19.68	50.96	5.20	5.97	2.37	4.49	0.54	2.55	0.40	59.56	2026.37	2085.93	0.21	347.73	0.69
13KMRC0121	630000	7702996	438.74	852.37	82.46	273.05	39.33	7.92	26.36	3.56	4.08	3.18	8.46	1.23	6.55	0.85	95.37	1843.53	1938.90	0.19	196.91	0.87
13KMRC0122	630095	7703002	1483.47	2931.25	299.57	1053.61	132.97	31.41	63.15	6.80	7.81	4.36	9.17	0.99	5.09	0.67	109.21	6139.55	6248.76	0.62	476.52	2.11
13KMRC0123	630205	7702996	121.97	225.42	24.89	85.38	14.38	3.47	10.15	1.30	1.49	0.84	2.24	0.38	2.22	0.41	25.40	519.94	545.34	0.05	396.39	0.30
13KMRC0124	630303	7702995	3494.94	5833.57	511.69	1495.21	165.54	37.77	76.75	8.11	9.31	5.26	11.47	1.43	8.46	1.15	143.12	11803.79	11946.91	1.19	3546.16	0.32
13KMRC0125	630399	7703004	2622.26	4866.09	497.31	1720.67	251.33	62.01	136.47	14.57	16.72	8.22	17.26	1.78	8.70	1.03	222.87	10447.30	10670.17	1.07	2251.39	3.41
13KMRC0125Dup	630399	7703004	2582.86	4749.22	479.47	1683.12	248.18	64.68	150.37	18.06	20.73	11.04	22.73	2.31	10.17	1.26	290.30	10334.49	10624.79	1.06	2353.85	4.74
13KMRC0126	630502	7702996	1072.88	2137.54	228.15	807.15	108.76	26.27	54.91	6.24	7.16	4.04	9.26	1.06	5.12	0.61	111.75	4580.92	4692.67	0.47	895.66	4.35
13KMRC0127	630597	7702993	1462.48	3249.64	369.33	1436.65	272.00	80.54	190.87	23.30	26.74	14.20	32.28	4.25	24.55	3.47	388.46	7578.77	7967.23	0.80	2007.69	8.64
13KMRC0128	630700	7703000	596.96	1083.06	100.81	332.77	54.84	18.32	58.70	11.63	13.34	11.75	30.18	4.23	28.75	4.59	346.43	2696.35	3042.78	0.30	820.25	1.67
13KMRC0129	630799	7702996	3702.88	7073.19	774.09	2472.30	334.94	86.52	187.74	22.33	25.63	15.28	31.40	3.30	16.53	1.92	387.57	15135.63	15523.20	1.55	59.39	6.39
13KMRC0130	630880	7702997	307.63	508.33	58.87	204.47	34.05	10.73	31.25	5.62	6.45	6.29	16.52	2.04	10.54	1.41	178.42	1382.61	1561.04	0.16	97.45	0.11
13KMRC0131	631001	7702998	3341.78	6590.51	705.95	2266.67	307.40	79.90	175.36	21.07	24.19	15.29	34.63	3.91	19.65	2.35	429.86	14018.50	14448.36	1.44	429.59	12.99
13KMRC0132	631103	7702994	1328.67	2524.21	256.04	925.07	151.25	41.88	99.68	12.30	14.12	8.42	19.42	2.50	14.26	2.16	231.38	5631.34	5862.72	0.59	1494.11	4.33
13KMRC0133	631190	7702988	12042.90	15376.28	1198.97	2867.13	273.13	64.73	133.30	13.20	15.15	4.72	7.52	0.86	5.93	1.03	114.54	32119.40	32233.95	3.22	44.65	2.11
13KMRC0134	631296	7702992	3513.83	6052.90	587.90	1838.25	225.81	50.80	96.80	9.55	10.96	6.52	15.25	1.96	10.57	1.46	190.87	12613.42	12804.28	1.28	3154.21	3.30
13KMRC0137	631601	7702999	1274.25	2573.04	272.40	1001.35	158.92	43.28	101.07	12.61	14.48	9.55	22.10	2.56	12.48	1.49	265.66	5765.26	6030.92	0.60	2230.50	7.61
13KMRC0139	631796	7703000	211.92	431.28	46.82	159.33	19.27	4.05	11.10	1.35	1.55	1.03	2.76	0.42	3.20	0.55	29.84	924.47	954.32	0.10	422.72	0.66
13KMRC0141	630000	7702897	360.99	678.95	70.46	242.96	38.72	8.53	20.79	1.96	2.25	0.81	1.74	0.27	1.54	0.26	21.72	1451.95	1473.66	0.15	301.80	0.18
13KMRC0142	630097	7702898	449.89	838.55	79.16	259.52	36.16	7.14	17.97	1.63	1.88	0.66	1.34	0.25	1.16	0.18	17.91	1713.40	1731.31	0.17	348.45	0.11
13KMRC0143	630200	7702891	520.84	893.24	79.77	255.09	33.56	8.43	21.98	2.41	2.76	1.15	2.41	0.39	1.94	0.34	29.46	1853.76	1883.22	0.19	334.85	0.57
13KMRC0144	630302	7702901	220.84	431.75	47.84	170.88	28.14	8.14	23.11	3.41	3.91	2.36	5.51	0.83	3.97	0.57	70.35	1021.62	1091.97	0.11	1472.21	0.46
13KMRC0145	630390	7702906	7377.15	9574.21	793.65	2009.12	237.67	64.08	148.58	19.43	22.30	13.65	28.96	3.05	15.13	2.00	369.41	20678.41	21047.82	2.10	1706.90	9.58
13KMRC0145Dup	630390	7702906	11329.83	13915.93	1097.57	2708.38	267.89	64.16	136.06	15.55	17.85	11.83	24.17	2.58	12.07	1.41	309.47	29914.76	30224.24	3.02	1505.98	6.74
13KMRC0146	630497	7702900	6700.32	9740.61	853.04	2180.47	220.98	51.16	99.41	10.27	11.78	5.51	10.77	1.18	6.57	0.76	147.69	20040.53	20188.22	2.02	1181.86	1.21
13KMRC0147	630599	7702898	3416.60	6183.58	645.50	1970.17	276.53	73.78	172.06	21.62	24.81	15.03	32.09	3.56	19.81	2.47	405.23	13262.83	13668.06	1.37	1490.39	9.14
13KMRC0148	630701	7702897	22078.78	24094.50	1694.33	3935.67	345.32	95.30	215.71	23.94	27.48	10.77	17.62	1.84	9.28	1.14	273.92	52825.57	53099.49	5.31	173.72	1.88
13KMRC0149	630802	7702899	903.06	2465.07	316.06	1257.38	219.18	54.69	108.69	9.44	10.83	4.23	7.57	0.71	4.41	0.64	98.93	5460.87	5559.79	0.56	139.38	0.25
13KMRC0149Dup	630802	7702897	1960.34	2981.25	252.64	780.79	96.41	24.19	57.79	8.17	9.38	7.79	18.41	2.18	10.85	1.36	230.36	6441.91	6672.27	0.67	1406.96	0.55
13KMRC0150	630903	7702900	209.46	407.16	46.29	169.48	40.30	12.34	33.86	4.97	5.71	5.33	15.36	2.24	14.25	1.97	164.96	1133.66	1298.62	0.13	131.22	0.05
13KMRC0151	630996	7702909	471.35	949.10	92.48	324.73	56.66	18.21	52.51	9.38	10.77	11.28	30.31	3.91	20.70	2.97	331.95	2386.30	2718.25	0.27	305.23	1.95
13KMRC0152	631104	7702895	1939.69	4043.23	431.81	1578.96	233.64	61.47	132.65	15.75	18.07	10.63	22.17	2.35	10.72	1.15	289.92	8792.20	9082.12	0.91	3637.03	2.50
13KMRC0153	631197	7702914	1641.69	2716.95	252.81	831.18	135.74	37.85	87.29	9.89	11.35	7.30	18.88	2.33	11.72	1.48	234.93	6001.37	6236.30	0.62	6890.41	0.02
13KMRC0154	631300	7702897	4386.74	8232.36	866.34	2630.93	325.94	75.50	147.00	13.25	15.20	5.88	11.58	1.38	7.52	0.94	164.58	16885.15	17049.73	1.70	290.92	1.15
13KMRC0155	631403	7702903	1276.12	2464.25	246.49	861.97	126.34	35.33	85.88	11.92	13.69	9.62	21.85	2.43	12.98	1.65	266.43	5436.95	5703.38	0.57	1117.18	5.48
13KMRC0155Dup	631403	7702903	1325.62	2564.14	259.87	912.36	134.85	39.31	96.30	13.84	15.88	10.66	23.75	2.63	13.14	1.84	288.90	5703.08	5991.98	0.60	939.17	6.16
13KMRC0156	631499	7702900	2437.55	5132.14	548.92	1912.43	251.31	57.67	109.28	8.48	9.74	3.32	6.84	0.85	6.15	0.97	86.99	10572.63	10659.61	1.07	275.61	0.37
13KMRC0157	631587	7702888	1374.40	2795.65	279.42	931.95	110.07	24.58	42.15	3.58	4.11	2.23	5.52	0.83	7.22	1.42	62.86	5646.01	5708.87	0.57	9010.58	1.05
13KMRC0159	631799	7702898	70.60	134.90	13.97	47.94	6.97	1.81	3.69	0.44	0.50	0.25	0.82	0.11	1.29	0.20	8.64	292.13	300.77	0.03	1127.63	0.02
13KMRC0160	629923	7702816	820.02	1441.15	128.11	430.75	62.33	14.45	36.65	3.94	4.52	1.80	3.51	0.34	2.52	0.32	46.73	2997.14	3043.87	0.30	546.79	0.21
13KMRC0161	630011	7702823	130.18	338.30	40.87	167.50	41.91	11.73	37.55	5.62	6.45	5.04	13.12	1.76	11.51	1.71	148.58	961.81	1110.39	0.11	3246.65	0.50
13KMRC0162	630096	7702797	602.70	1210.70	121.70	423.87	57.98	14.67	32.49	3.91	4.49	2.67	6.27	0.78	5.97	0.98	72.38	2561.56	2633.94	0.26	1829.68	3.23
13KMRC0163	630196	7702805	4129.19	8087.75	847.24	2471.72	317.39	69.50	143.03	12.13	13.92	4.71	7.55	0.82	5.33	0.78	114.29	16225.35	16339.64	1.63	1781.60	0.57
13KMRC0164	630303	7702796	1045.43	2419.17	273.07	1023.28	138.39	32.14	67.12	6.58	7.56	3.56	7.55	0.90	4.79	0.74	95.75	5126.03	5221.78	0.52	858.03	5.75
13KMRC0165	630401	7702800	1563.34	3266.62	346.08	1229.04	161.38	40.18	83.26	8.74	10.03	5.76	12.20	1.36	7.52	0.84	162.80	6899.15	7061.95	0.71	1143.37	5.20
13KMRC0165Dup	630401	7702800	1501.65	3164.98	326.41	1139.69	132.76	30.90	62.54	6.71	7.70	4.85	10.51	1.13	6.00	0.74	130.42	6526.99	6657.41	0.67	1513.85	3.21
13KMRC0166	630498	7702800	1958.11	5023.00	599.52	2157.84	313.76	68.49	122.58	10.24	11.76	5.88	11.05	1.08	6.26	0.72	166.36	10456.65	10623.01	1.06	1107.16	0.11
13KMRC0167	630595	7702803	3188.61	6049.03	619.84	1997.34	279.59	74.05	163.53	18.91	21.70	11.62	23.86	2.39	11.20	1.28	308.71	12771.68	13080.39	1.31	3786.43	9.90
13KMRC0168	630697	7702800	8912.69	11616.79	963.87	2395.32	253.30	63.67	131.58	12.27	14.08	5.73	10.74	1.19	6.95	0.84	146.17	24535.19	24681.35	2.47	92.30	0.76
13KMRC0169	630782	7702836	3519.22	6861.59	722.45	2176.50	296.71	76.86	168.07	17.88	20.52	9.90	19.84	2.09	9.94	1.15	278.11	14180.82	14458.93	1.45	2700.30	7.24
13KMRC0169Dup	630804	7702803	2724.77	5166.57	492.46	1525.77	151.05	33.07	67.07	8.72	10.01	6.63	13.87	1.47	7.85	0.82	184.39	10394.52	10578.91	1.06	677.15	0.76
13KMRC0170	630903	7702801	2358.27	4915.86	519.95	1854.34	282.40	78.23	172.79	21.01	24.11	11.90	23.99	2.43	11.51	1.32	320.14	10598.24	10918.38	1.09	649.24	11.34
13KMRC0171	631011	7702802	2188.68	4618.66	485.64	1696.18	258.39	71.94	170.85	19.79	22.71	10.50	20.41	1.95	9.83	1.09	279.38	9856.00	10135.38	1.01	14430.06	7.70
13KMRC0172	631099	7702803	4525.48	8919.51	929.70	2783.26	367.73	93.60	200.79	22.56	25.89	13.75	28.70	2.95	15.45	1.75	373.99	18305.12	18679.10	1.87	3343.82	9.92
13KMRC0173	631200	7702801	2409.52	5004.50	526.92	1910.21	309.93	86.87	210.14	28.46	32.67	19.39	39.47	3.84	18.57	2.23	517.99	11120.71	11638.71	1.16	6567.43	7.10
13KMRC0174	631302	7702801	2409.17	4248.51	413.83	1382.65	204.53	58.07	141.26	20.20	23.18	15.17	31.18	3.19	16.06	1.96	397.99	9366.93	9764.92	0.98	2314.50	7.26
13KMRC0175	631409	7702799	2814.72	5335.66	520.57	1681.48	192.54	42.44	72.87	5.06	5.81	3.08	7.39	1.04	7.12	1.01	84.45	10775.24	10859.69	1.09	6006.77	0.27
13KMRC0175Dup	631409	7702799	2386.77	4471.81	432.79	1412.74	158.71	35.79	64.23	4.73	5.43	2.74	7.12	1.02	6.85	0.99	79.24	9070.98	9150.22	0.92	4644.31	0.21
13KMRC0176	631500	7702813	2001.27	4037.49	420.87	1512.47	245.87	68.47	154.47	17.82	20.45	10.64	21.29	2.09	10.36	1.24	284.58	8809.39	9093.97	0.91	2438.71	8.80
13KMRC0177	631592	7702800	1572.14	3446.96	358.15	1323.51	177.45	44.64	98.49	12.04	13.82	7.63	15.80	1.58	8.24	0.92	196.07	7277.44	7473.51	0.75	1065.09	5.84
13KMRC0178	631699	7702793	4000.66	7697.92	753.66	2064.76	222.26	53.30	112.17	12.20	14.00	5.42	8.54	0.78	3.88	0.51	125.47	15075.53	15200.99	1.52	291.78	2.15
13KMRC0179	631801	7702797	133.11	273.31	31.54	118.62	23.52	6.85	19.59	2.72	3.12	2.34	5.79	0.71	5.34	0.90	67.05	694.51	761.56	0.08	196.76	1.90
13KMRC0181	630017	7702702	418.69	872.51	85.97	288.10	36.20	8.77	18.51	1.89	2.17	1.00	2.07	0.23	1.86	0.24	26.03	1764.23	1790.26	0.18	594.87	0.46
13KMRC0182	630094	7702700	3947.88	7728.72	800.11	2365.23	321.21	77.65	170.98	15.64	17.95	6.28	12.34	1.55	8.84	1.23	159.63	15635.22	15794.85	1.58	129.51	2.04
13KMRC0183	630203	7702694	3725.99	6062.27	586.65	1954.77	267.62	69.80	137.41	11.56	13.26	4.17	6.45	0.72	3.97	0.55	105.27	12950.46	13055.73	1.31	1059.37	0.09
13KMRC0184	630303	7702700	143.67	256.57	25.76	90.16	17.44	6.73	24.52	5.61	6.43	6.86	17.62	1.95	10.83	1.18	220.84	836.16	1057.00	0.11	599.16	0.01
13KMRC0185	630403	7702703	7989.93	10470.03	852.98	2374.67	253.89	65.98	141.78	16.26	18.67	10.82	22.15	2.41	11.02	1.25	307.95	22539.81	22847.76	2.28	1986.66	7.29
13KMRC0185Dup	630403	7702703	6357.51	8719.85	747.42	2234.82	251.56	64.77	143.71	17.64	20.25	12.93	26.53	2.79	14.02	1.60	356.21	18971.63	19327.83	1.93	1697.60	10.08
13KMRC0186	630501	7702701	4046.63	6470.95	581.10	1662.94	173.79	40.01	76.43	7.12	8.18	4.04	8.18	0.88	4.77	0.60	118.74	13204.35	13323.08	1.33	1145.80	0.30
13KMRC0187	630598	7702699	772.88	1363.40	144.70	490.35	70.96	19.63	46.54	5.80	6.66	4.56	10.20	1.13	6.68	0.91	135.63	3080.01	3215.64	0.32	631.93	0.96
13KMRC0188	630698	7702701	2602.44	5302.99	582.00	1831.83	181.52	36.00	63.31	4.62	5.30	1.87	2.76	0.32	1.90	0.24	53.08	10670.18	10723.26	1.07	1102.01	0.07
13KMRC0189	630799	7702697	3906.24	7593.12	798.02	2685.05	365.87	103.50	225.83	27.87	31.98	19.26	40.34	4.02	19.24	1.98	537.68	16359.99	16897.67	1.69	1468.49	7.10
13KMRC0189Dup	630808	7702710	3703.23	7353.41	777.65	2612.15	357.78	96.80	218.13	23.49	26.96	14.08	31.21	3.27	15.50	1.76	417.92	15653.35	16071.28	1.61	1809.93	8.77
13KMRC0190	630902	7702700	3076.96	5354.16	563.64	1962.58	265.92	60.86	109.23	8.63	9.91	4.95	10.44	1.31	7.55	0.99	134.74	11571.87	11706.61	1.17	2510.69	0.11
13KMRC0191	631002	7702696	3344.59	6184.52	632.78	2122.03	291.51	81.34	184.54	22.58	25.92	16.55	38.71	4.51	24.61	3.00	482.94	13460.14	13943.09	1.39	3108.70	6.62
13KMRC0193	631200	7702699	5057.11	8424.88	806.86	2437.43	271.04	61.42	111.59	9.08	10.42	3.75	6.22	0.80	4.83	0.65	93.59	17299.67	17393.26	1.74	1274.31	0.11
13KMRC0194	631301	7702707	2305.02	4322.16	457.40	1496.37	183.18	49.28	110.81	13.37	15.35	9.71	21.86	2.44	13.21	1.50	280.77	9282.46	9563.24	0.96	3070.50	5.57
13KMRC0195	631397	7702697	5626.39	8036.81	705.92	2020.67	198.09	45.01	79.03	6.05	6.95	3.70	8.32	1.01	6.11	0.80	109.21	16854.08	16963.30	1.70	2931.69	1.03
13KMRC0195Dup	631397	7702697	2656.51	5138.58	547.01	1820.87	193.27	40.46	65.04	3.91	4.49	2.06	4.60	0.69	4.44	0.64	60.57	10543.14	10603.71	1.06	3003.81	0.32
13KMRC0196	631491	7702700	1934.06	4123.79	470.44	1616.40	170.10	37.68	69.96	7.06	8.10	4.94	11.24	1.35	7.70	0.97	142.23	8606.01	8748.24	0.87	387.09	1.95
13KMRC0197	631597	7702694	548.05	1022.05	111.11	390.04	57.52	16.38	42.40	5.41	6.21	4.73	11.96	1.30	7.45	0.96	143.12	2368.69	2511.81	0.25	81.42	3.51
13KMRC0198	631704	7702701	228.58	450.37	50.74	189.07	38.41	12.34	37.75	5.89	6.76	6.23	16.33	1.91	10.46	1.36	185.28	1241.49	1426.77	0.14	771.45	2.68
13KMRC0199	631798	7702701	70.25	114.76	12.87	45.96	7.63	1.82	6.05	0.91	1.04	0.88	2.61	0.35	2.63	0.39	27.94	296.09	324.03	0.03	65.25	0.14
13KMRC0201	629998	7702601	147.77	261.02	25.28	80.48	10.25	2.84	5.49	0.60	0.69	0.38	0.94	0.11	0.75	0.11	11.81	548.51	560.32	0.06	269.89	0.14
13KMRC0202	630099	7702604	63.92	123.07	13.28	48.17	8.31	1.74	7.03	1.02	1.18	1.04	2.88	0.45	2.78	0.43	30.60	305.91	336.52	0.03	171.86	0.18
13KMRC0203	630200	7702601	28.38	51.52	5.66	21.46	4.46	1.24	3.87	0.61	0.70	0.65	2.00	0.31	1.96	0.33	21.72	144.88	166.60	0.02	49.37	0.05
13KMRC0204	630299	7702606	1216.66	2702.20	320.81	1161.27	155.64	35.35	62.66	4.28	4.91	2.12	4.52	0.56	3.35	0.42	59.81	5734.56	5794.38	0.58	1900.08	0.05
13KMRC0205	630403	7702599	2172.03	3799.54	374.24	1180.40	150.71	41.44	93.38	12.12	13.91	8.34	17.32	1.76	8.37	0.84	245.22	8119.62	8364.84	0.84	3182.40	4.56
13KMRC0205Dup	630403	7702599	1886.45	3307.37	340.22	1101.55	143.44	38.97	91.61	11.56	13.26	8.21	17.22	1.80	8.35	0.84	228.71	7199.57	7428.28	0.74	1654.81	4.60
13KMRC0206	630492	7702601	7619.10	10644.39	925.81	2830.85	329.40	79.32	163.66	16.93	19.43	11.78	24.76	2.68	12.75	1.55	338.81	23021.21	23360.02	2.34	1670.84	6.00
13KMRC0207	630596	7702596	1056.34	1530.50	152.34	467.14	56.43	13.23	30.20	3.03	3.47	2.02	4.52	0.57	2.70	0.34	58.42	3381.24	3439.65	0.34	575.98	0.39
13KMRC0208	630694	7702598	942.34	1555.09	155.91	496.19	67.55	17.97	41.41	4.90	5.63	3.57	8.30	1.06	5.81	0.78	110.86	3417.38	3528.24	0.35	737.25	1.15
13KMRC0209	630795	7702602	1379.21	2420.69	264.07	914.69	130.37	28.13	60.42	6.49	7.45	5.95	14.47	1.78	10.66	1.34	196.20	5441.91	5638.11	0.56	1211.48	0.62
13KMRC0210	630902	7702601	3194.00	5931.82	624.61	2095.09	279.64	74.52	163.38	19.08	21.90	14.91	36.00	4.63	27.37	3.25	485.99	12976.20	13462.19	1.35	1328.40	6.00
13KMRC0211	631000	7702602	4129.55	6698.35	618.30	1874.99	264.23	55.43	85.26	5.24	6.01	2.39	4.49	0.65	4.02	0.55	71.24	13820.70	13891.94	1.39	818.96	0.09
13KMRC0212	631097	7702595	1472.10	2453.60	238.95	745.33	100.03	28.02	69.44	8.09	9.29	4.87	11.13	1.46	7.69	1.02	149.34	5300.35	5449.69	0.54	1428.14	1.08

SAMPLE	Easting	Northing	La2O3	Ce2O3	Pr2O3	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb2O3	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	TREO	TREO+Y2O3	%TREO+Y2O3	Nb2O5	%P2O5
13KMRC0213	631202	7702597	5321.46	9218.23	850.05	2484.90	240.51	55.31	105.07	6.47	7.42	1.84	3.24	0.46	3.12	0.42	55.49	18354.00	18409.49	1.84	1015.72	0.09
13KMRC0214	631293	7702599	5787.77	9959.00	905.43	2507.06	221.95	47.58	81.21	4.77	5.47	1.21	1.94	0.29	1.95	0.23	34.92	19560.77	19595.69	1.96	227.53	0.14
13KMRC0215	631396	7702606	1760.72	3150.46	310.66	899.18	78.05	15.42	27.71	1.66	1.90	0.71	1.14	0.13	0.92	0.19	18.54	6267.40	6285.94	0.63	51.37	0.41
13KMRC0215Dup	631396	7702606	2104.47	3529.63	340.04	1003.69	95.48	19.51	34.84	2.54	2.92	1.01	1.73	0.21	1.33	0.19	26.41	7164.01	7190.42	0.72	22.90	0.55
13KMRC0216	631522	7702600	688.08	1203.09	123.56	411.97	70.76	23.63	68.86	10.99	12.62	13.62	36.32	4.27	22.20	2.66	418.81	3111.44	3530.26	0.35	985.53	4.56
13KMRC0217	631594	7702602	256.84	489.36	52.83	182.54	25.79	6.97	17.13	2.15	2.47	1.71	4.01	0.46	2.19	0.28	50.29	1095.02	1145.31	0.11	356.75	0.64
13KMRC0218	631693	7702600	153.40	317.22	35.47	132.85	22.59	6.39	18.56	2.49	2.85	2.44	6.36	0.93	5.65	0.85	71.62	779.67	851.30	0.09	366.19	1.95
13KMRC0220	629906	7702500	274.90	559.50	40.49	115.82	14.48	3.06	8.34	1.09	1.25	0.99	2.48	0.31	1.78	0.31	27.68	1052.50	1080.18	0.11	128.79	0.18
13KMRC0221	630007	7702501	77.29	145.20	16.40	60.77	12.74	3.11	11.47	1.82	2.09	1.87	5.43	0.83	4.71	0.64	62.73	407.11	469.84	0.05	227.24	0.30
13KMRC0222	630103	7702499	214.39	367.23	36.72	121.19	18.55	4.11	13.88	1.97	2.26	2.06	5.96	0.86	5.42	0.76	67.30	862.66	929.96	0.09	105.32	0.27
13KMRC0223	630200	7702498	347.38	740.77	85.40	311.66	44.67	12.52	29.68	3.52	4.04	2.97	7.39	1.03	5.69	0.72	88.51	1685.95	1774.46	0.18	726.09	1.21
13KMRC0224	630292	7702507	293.55	498.61	49.35	155.36	21.42	6.53	18.03	3.23	3.71	3.41	8.68	1.06	5.53	0.80	106.16	1175.45	1281.61	0.13	623.20	0.23
13KMRC0225	630401	7702499	14133.65	17004.21	1280.53	3119.42	245.63	54.76	102.22	7.41	8.51	2.78	4.67	0.56	2.77	0.34	80.64	36048.09	36128.73	3.61	97.74	0.25
13KMRC0226	630502	7702500	1683.09	3535.25	402.52	1399.56	177.33	46.11	100.50	11.22	12.88	7.22	14.82	1.48	6.82	0.61	201.15	7600.56	7801.71	0.78	11884.60	2.75
13KMRC0227	630600	7702502	5692.89	8550.88	755.70	2166.35	237.14	55.96	112.22	10.72	12.30	7.14	15.16	1.90	10.54	1.38	217.41	17847.67	18065.08	1.81	1272.59	2.61
13KMRC0228	630701	7702504	699.81	1331.90	146.18	500.85	61.01	13.47	26.19	2.52	2.89	1.83	4.32	0.57	3.86	0.59	58.03	2854.03	2912.06	0.29	773.74	0.07
13KMRC0229	630799	7702500	943.63	1843.15	200.86	692.03	103.36	25.99	49.02	3.59	4.12	2.31	5.27	0.77	4.30	0.57	75.31	3954.28	4029.59	0.40	1003.42	0.02
13KMRC0230	630899	7702499	4695.89	8361.17	856.29	2796.79	375.15	91.07	195.32	23.26	26.70	17.29	35.30	3.81	17.88	2.04	492.72	17990.68	18483.40	1.85	794.63	4.95
13KMRC0231	631002	7702497	23982.47	25305.31	1729.09	3903.24	290.61	73.68	166.77	17.01	19.52	4.20	4.86	0.50	2.69	0.32	101.47	55601.74	55703.21	5.57	531.90	0.05
13KMRC0232	631099	7702499	1252.08	2069.51	210.21	721.07	96.33	25.95	63.77	8.98	10.30	7.85	17.48	1.80	8.11	0.80	224.01	4718.25	4942.26	0.49	840.71	1.97
13KMRC0233	631203	7702501	1403.49	2819.53	331.87	1276.39	238.17	76.65	200.79	29.56	33.92	22.86	51.95	5.85	28.79	3.20	665.30	7188.33	7853.63	0.79	642.38	7.61
13KMRC0234	631302	7702499	1408.06	2665.66	295.88	1048.94	151.24	40.90	88.28	8.67	9.95	3.77	5.91	0.58	2.68	0.28	98.54	5829.34	5927.88	0.59	2002.97	0.09
13KMRC0235	631334	7702500	1015.53	2001.47	228.70	816.36	113.71	30.14	65.66	7.08	8.12	4.72	10.33	1.14	6.02	0.73	128.77	4438.49	4567.26	0.46	8372.35	1.19
13KMRC0235Dup	631334	7702500	1019.75	2047.26	232.25	827.79	113.12	30.00	65.82	7.21	8.27	4.88	10.63	1.23	6.18	0.86	132.32	4507.59	4639.91	0.46	6588.47	1.03
13KMRC0236	631494	7702501	104.14	200.59	21.14	77.57	11.89	3.54	9.51	1.22	1.40	1.36	4.44	0.69	4.55	0.67	45.97	488.68	534.65	0.05	353.89	0.71
13KMRC0237	631608	7702505	106.72	193.10	21.65	75.12	13.00	3.87	10.35	1.51	1.73	1.40	2.96	0.34	1.92	0.26	34.80	468.73	503.52	0.05	418.85	0.44
13KMRC0238	631699	7702513	154.11	282.21	30.39	104.51	18.55	4.61	13.51	1.80	2.06	1.67	4.38	0.69	4.21	0.59	45.97	669.26	715.23	0.07	133.51	0.30
13KMRC0239	631803	7702502	119.16	240.06	24.26	85.96	15.91	4.28	10.57	1.19	1.36	0.94	1.99	0.29	1.82	0.26	21.59	529.63	551.22	0.06	155.12	0.14
13KMRC0240	629914	7702412	46.68	118.27	14.50	56.57	12.99	1.38	11.09	1.70	1.96	1.64	3.88	0.49	2.41	0.33	40.26	314.14	354.39	0.04	65.54	0.25
13KMRC0241	630002	7702392	157.62	315.94	36.51	129.82	22.86	5.73	18.00	2.75	3.16	2.75	7.71	1.21	7.01	1.05	83.69	795.81	879.49	0.09	137.52	0.27
13KMRC0242	630093	7702424	3886.31	5900.79	556.33	1670.40	185.56	42.16	86.94	7.40	8.49	2.58	3.89	0.39	1.99	0.30	56.00	12409.52	12465.52	1.25	1598.57	0.09
13KMRC0243	630205	7702398	206.30	337.60	34.16	111.51	16.21	3.60	10.58	1.30	1.49	1.09	2.86	0.43	2.79	0.42	31.62	761.96	793.58	0.08	253.86	0.18
13KMRC0244	630304	7702410	2535.95	5318.92	603.21	2164.26	301.53	81.46	179.99	19.56	22.44	13.61	30.28	3.39	17.08	1.90	389.22	11682.79	12072.01	1.21	1477.36	11.66
13KMRC0245	630397	7702403	1557.71	3449.65	408.10	1492.88	211.65	58.39	131.24	14.79	16.97	9.66	19.06	1.78	7.65	0.78	263.25	7643.56	7906.81	0.79	4185.82	3.37
13KMRC0246	630499	7702398	1160.25	2391.88	275.50	963.56	129.59	32.44	71.02	8.69	9.97	7.49	16.72	1.93	11.10	1.48	213.09	5294.72	5507.81	0.55	1967.20	0.46
13KMRC0247	630594	7702403	2904.09	5263.18	560.27	1772.23	176.90	38.36	74.61	8.25	9.47	5.90	12.86	1.38	7.64	0.85	167.75	11003.74	11171.50	1.12	1339.99	0.25
13KMRC0248	630700	7702403	905.40	1473.24	139.93	400.89	33.81	6.84	15.21	1.91	2.19	1.56	3.49	0.48	3.05	0.45	46.48	3034.95	3081.42	0.31	452.34	1.10
13KMRC0249	630798	7702398	1109.82	1906.27	198.27	631.61	68.05	15.79	32.12	3.33	3.82	2.50	5.53	0.70	4.57	0.67	70.61	4053.65	4124.25	0.41	1011.43	0.60
13KMRC0250	630905	7702400	3352.45	5602.77	532.91	1529.73	187.17	41.12	74.32	4.75	5.46	1.94	3.73	0.51	2.88	0.42	60.70	11400.85	11461.56	1.15	833.84	0.07
13KMRC0251	630997	7702398	612.91	1335.64	165.12	638.25	91.38	22.78	45.70	5.05	5.80	4.66	11.08	1.22	5.04	0.50	133.85	3078.98	3212.83	0.32	149.25	0.09
13KMRC0252	631102	7702403	3743.11	6139.08	601.62	1805.82	205.59	49.31	88.38	6.19	7.11	3.62	8.40	1.08	6.19	0.81	112.13	12778.45	12890.59	1.29	1248.55	0.21
13KMRC0253	631187	7702405	8449.91	10543.10	860.85	2350.76	220.25	56.18	122.53	15.33	17.60	11.42	21.49	2.23	11.87	1.48	254.49	22939.48	23193.97	2.32	971.94	0.18
13KMRC0254	631301	7702399	1529.92	3042.96	343.89	1203.37	168.56	45.15	103.18	12.71	14.58	9.66	22.41	2.59	14.64	1.83	270.49	6785.95	7056.44	0.71	2750.81	4.01
13KMRC0255	631399	7702400	2378.56	4882.72	573.35	2003.64	250.43	61.14	126.00	11.38	13.06	6.49	13.74	1.66	8.90	1.08	174.99	10507.16	10682.15	1.07	1602.43	0.16
13KMRC0255Dup	631399	7702400	2106.35	4403.78	519.78	1834.16	230.83	58.36	128.16	14.56	16.71	11.01	25.44	2.97	15.36	1.57	301.73	9670.77	9972.49	1.00	1761.85	1.35
13KMRC0256	631500	7702400	94.53	187.01	19.73	70.45	10.73	2.88	6.63	0.90	1.03	0.85	2.09	0.29	1.59	0.26	22.35	421.32	443.67	0.04	436.31	0.48
13KMRC0257	631599	7702401	365.21	695.93	72.32	245.41	35.56	10.54	27.16	3.65	4.19	3.29	8.54	1.11	6.55	0.88	97.91	1578.23	1676.14	0.17	1807.07	2.43
13KMRC0258	631698	7702399	1164.24	2378.54	276.24	988.87	135.31	34.03	74.49	7.02	8.06	3.52	6.71	0.61	3.64	0.45	96.64	5178.37	5275.01	0.53	102.60	0.05
13KMRC0260	629908	7702301	417.75	724.38	72.72	220.10	30.54	4.37	18.89	2.14	2.46	1.79	4.57	0.58	3.50	0.51	52.07	1556.37	1608.44	0.16	240.26	0.30
13KMRC0261	630012	7702304	650.90	1147.46	113.85	350.85	37.79	8.46	20.26	2.08	2.39	1.40	3.05	0.39	2.03	0.26	38.48	2379.66	2418.14	0.24	7511.03	0.82
13KMRC0262	630100	7702295	1103.72	2256.28	260.17	888.91	118.33	29.46	65.85	6.87	7.89	5.90	14.84	1.88	10.90	1.34	175.12	4947.46	5122.58	0.51	1148.66	1.44
13KMRC0263	630206	7702309	8755.54	12688.37	1072.35	2985.75	285.39	66.52	137.02	14.64	16.80	10.24	16.07	1.20	5.28	0.53	243.69	26299.40	26543.09	2.65	4097.67	2.75
13KMRC0264	630311	7702299	508.41	753.54	70.21	209.49	25.99	6.82	15.79	1.85	2.13	1.72	4.57	0.58	3.09	0.40	52.19	1656.77	1708.96	0.17	667.42	0.30
13KMRC0265	630401	7702303	1980.39	4243.12	504.06	1830.43	263.76	70.81	158.81	18.93	21.73	12.78	27.83	2.71	12.84	1.24	362.81	9512.26	9875.07	0.99	1398.09	2.77
13KMRC0266	630502	7702304	1330.07	2947.17	353.66	1284.21	194.55	55.09	124.88	14.21	16.31	8.05	15.89	1.46	6.63	0.63	231.25	6584.08	6815.33	0.68	5556.29	3.64
13KMRC0267	630605	7702304	15333.30	17732.69	1293.13	3052.94	207.37	41.60	68.79	3.66	4.20	1.42	2.01	0.26	1.90	0.30	38.73	37782.31	37821.04	3.78	2596.41	0.30
13KMRC0268	630702	7702302	1058.10	2050.66	223.00	742.53	79.32	17.21	31.19	3.05	3.50	2.12	5.04	0.64	3.55	0.45	62.23	4282.58	4344.81	0.43	7201.51	1.03
13KMRC0269	630795	7702302	1602.04	3043.31	345.48	1266.24	202.74	56.85	131.17	15.78	18.11	11.68	26.33	2.97	15.84	1.96	336.65	7077.17	7413.82	0.74	2292.75	9.81
13KMRC0270	630907	7702303	8134.19	10865.94	900.77	2399.75	199.40	42.47	83.02	7.75	8.89	4.14	6.78	0.69	3.22	0.44	107.56	22765.01	22872.58	2.29	1849.14	0.11
13KMRC0272	631105	7702303	1245.28	2331.70	257.19	894.98	122.63	32.93	81.62	10.29	11.81	8.49	19.89	2.09	9.91	1.09	245.85	5275.73	5521.58	0.55	2923.82	3.09
13KMRC0273	631211	7702296	2643.73	4359.98	432.54	1344.04	164.54	45.10	117.07	14.92	17.12	15.10	42.77	5.28	29.55	3.60	456.15	9691.48	10147.63	1.01	915.12	2.52
13KMRC0274	631301	7702311	961.11	1742.33	186.64	631.61	91.39	28.06	78.03	13.62	15.63	21.71	69.79	8.85	44.42	4.74	648.66	4546.58	5195.24	0.52	700.90	3.60
13KMRC0275	631405	7702302	1974.76	3979.76	450.98	1580.47	198.87	48.98	100.21	9.33	10.71	4.58	8.61	0.88	4.16	0.49	123.31	8496.10	8619.41	0.86	8155.13	0.01
13KMRC0275Dup	631405	7702302	1889.62	3806.92	427.16	1492.53	190.89	47.07	97.50	9.08	10.42	5.38	11.88	1.29	6.07	0.74	146.42	8142.97	8289.39	0.83	8316.26	0.27
13KMRC0279	631811	7702343	101.21	175.18	17.26	59.95	9.89	2.08	8.47	1.28	1.47	1.39	4.43	0.70	4.43	0.69	48.00	436.43	484.44	0.05	92.44	0.21
13KMRC0280	629914	7702205	700.28	1438.57	168.69	600.58	78.02	18.85	41.47	4.30	4.94	3.76	10.43	1.50	10.23	1.49	117.47	3200.57	3318.03	0.33	970.36	1.10
13KMRC0281	630001	7702210	1125.42	1918.68	189.64	585.53	74.69	18.02	56.07	7.60	8.72	6.00	13.71	1.48	7.87	1.00	176.01	4190.44	4366.45	0.44	1608.44	0.89
13KMRC0283	630212	7702192	1892.78	3169.43	337.83	1097.47	160.23	36.98	85.42	6.72	7.71	2.82	5.40	0.69	3.96	0.56	75.18	6883.18	6958.36	0.70	1704.61	0.37
13KMRC0284	630302	7702197	540.07	1026.85	107.57	373.36	58.57	16.79	42.87	5.49	6.30	4.78	11.77	1.52	7.78	1.03	141.09	2345.84	2486.93	0.25	800.50	1.74
13KMRC0285	630409	7702206	2082.78	4472.52	510.40	1809.79	239.35	68.91	172.09	24.83	28.49	29.29	78.49	8.54	37.73	4.09	823.15	10390.45	11213.60	1.12	2798.61	3.51
13KMRC0285Dup	630409	7702206	2094.50	4412.56	495.97	1809.44	236.31	66.59	159.62	22.28	25.57	22.90	60.80	7.17	36.13	4.06	662.13	10116.05	10778.18	1.08	2482.64	4.63
13KMRC0286	630504	7702207	772.64	1584.83	180.11	631.02	92.66	27.40	74.07	10.69	12.27	9.28	23.51	2.80	17.88	2.27	278.62	3720.05	3998.67	0.40	236.26	1.97
13KMRC0287	630600	7702199	1099.15	2441.30	300.65	1134.21	166.65	46.17	112.03	16.00	18.36	16.76	41.29	4.61	22.63	2.65	496.53	5918.98	6415.51	0.64	3540.44	10.63
13KMRC0288	630695	7702195	2314.17	4322.04	467.49	1593.19	206.01	52.33	110.37	12.94	14.85	9.36	19.06	2.10	11.22	1.48	241.79	9378.39	9620.18	0.96	3182.11	0.27
13KMRC0291	630999	7702201	1491.22	2589.32	250.22	791.17	104.34	27.51	64.12	7.40	8.49	5.12	11.46	1.29	6.85	0.91	149.21	5508.63	5657.85	0.57	2157.95	2.31
13KMRC0291Dup	630999	7702201	1601.11	2592.24	258.47	808.55	103.45	26.20	60.71	6.68	7.66	4.51	10.31	1.24	6.73	0.85	138.42	5627.14	5765.56	0.58	4050.59	2.08
13KMRC0292	631100	7702198	1692.35	3155.49	308.28	1019.78	137.23	35.42	80.67	8.82	10.12	6.00	13.36	1.58	8.14	0.98	172.45	6650.67	6823.12	0.68	2762.40	3.57
13KMRC0295	631403	7702222	614.43	1110.58	115.98	388.88	53.27	14.52	35.94	4.30	4.94	3.62	8.92	1.12	6.71	0.85	110.61	2474.66	2585.27	0.26	1033.90	1.95
13KMRC0295Dup	631403	7702222	493.63	902.84	91.86	305.60	41.26	11.79	28.78	3.83	4.40	3.24	8.31	0.89	6.05	0.83	100.96	2004.26	2105.22	0.21	132.65	1.42
13KMRC0298	631701	7702213	2455.73	4111.15	428.70	1397.00	171.98	44.13	94.54	10.17	11.68	6.71	14.10	1.48	7.46	0.83	194.93	8950.59	9145.52	0.91	1113.32	4.01
13KMRC0300	629910	7702093	22.05	40.75	4.11	14.35	2.13	0.53	1.27	0.15	0.17	0.13	0.35	0.06	0.25	0.05	4.19	90.53	94.72	0.01	47556.57	0.09
13KMRC0301	630017	7702094	142.14	251.30	31.64	116.87	20.05	4.85	11.92	1.06	1.22	0.36	0.75	0.09	0.58	0.06	10.79	593.68	604.48	0.06	3387.61	0.07
13KMRC0302	630103	7702106	727.25	1414.57	154.95	518.23	58.29	12.52	29.35	2.88	3.30	2.20	5.57	0.70	4.13	0.56	65.53	3000.02	3065.54	0.31	330.13	0.85
13KMRC0303	630187	7702123	17.47	35.48	3.92	16.10	4.06	1.38	5.44	0.93	1.07	0.99	2.72	0.37	2.08	0.30	29.21	121.51	150.72	0.02	49.80	0.09
13KMRC0304	630303	7702102	2638.21	4585.05	478.10	1567.06	212.98	57.07	133.10	15.16	17.40	9.65	20.90	2.33	12.39	1.52	274.30	10025.23	10299.53	1.03	1445.02	6.30
13KMRC0305	630389	7702110	1281.17	2583.69	288.74	997.27	128.52	31.84	71.63	7.23	8.30	4.46	9.77	1.15	6.56	0.75	125.59	5546.67	5672.26	0.57	1115.46	0.09
13KMRC0305Dup	630389	7702110	1225.11	2444.70	274.47	951.43	127.23	32.88	74.82	7.90	9.06	5.03	10.79	1.23	6.26	0.71	136.26	5307.88	5444.14	0.54	1199.46	0.25
13KMRC0306	630502	7702103	375.41	551.42	60.61	196.31	24.94	6.32	15.49	1.82	2.09	1.57	3.99	0.51	2.73	0.34	48.89	1292.45	1341.34	0.13	340.72	0.48
13KMRC0307	630602	7702102	1161.89	1825.35	181.30	544.83	58.37	14.49	32.42	3.64	4.17	3.16	7.75	0.91	5.23	0.66	95.50	3939.68	4035.18	0.40	769.16	1.58
13KMRC0312	631099	7702099	68.14	133.85	14.42	51.32	7.69	2.13	5.89	0.89	1.02	0.82	2.45	0.37	2.04	0.31	26.16	317.48	343.64	0.03	398.25	0.46
13KMRC0313	631202	7702099	40.58	77.75	8.04	28.46	4.22	1.22	3.10	0.51	0.58	0.47	1.41	0.22	1.30	0.23	14.98	183.06	198.05	0.02	574.12	0.14
13KMRC0314	631293	7702101	595.90	1171.82	131.13	459.21	64.83	17.23	44.55	5.51	6.33	4.58	11.70	1.40	8.04	1.02	137.78	2661.05	2798.83	0.28	577.69	3.89
13KMRC0316	631517	7702095	657.24	1258.12	137.93	483.94	75.41	20.63	52.59	6.28	7.21	5.13	13.25	1.68	9.42	1.28	156.96	2887.09	3044.05	0.30	122.21	3.37
13KMRC0318	631721	7702082	111.65	239.47	28.09	104.98	20.71	6.10	17.28	2.64	3.03	3.34	9.89	1.48	8.88	1.14	105.15	663.82	768.97	0.08	157.55	1.47
13KMRC0321	630004	7702007	515.91	975.56	113.60	401.59	59.21	15.56	39.88	4.73	5.43	3.87	9.54	1.15	5.90	0.80	117.59	2270.33	2387.92	0.24	228.39	3.55
13KMRC0322	630102	7702001	17.36	36.54	4.12	16.68	3.44	0.82	3.04	0.49	0.57	0.63	1.91	0.24	1.65	0.23	19.05	106.77	125.82	0.01	31.34	0.23
13KMRC0323	630196	7701999	42.57	72.84	8.13	27.64	4.57	1.07	3.93	0.53	0.61	0.55	1.44	0.19	1.17	0.17	16.89	182.31	199.20	0.02	37.64	0.14
13KMRC0324	630299	7702010	33.19	73.42	6.66	24.61	5.32	1.74	6.57	1.09	1.25	1.18	3.12	0.39	2.36	0.32	35.56	196.78	232.34	0.02	97.88	0.16
13KMRC0325	630399	7702001	431.36	802.14	86.27	287.40	38.73	10.21	22.99	2.68	3.08	2.02	4.94	0.54	3.38	0.48	58.54	1754.76	1813.30	0.18	366.91	0.25
13KMRC0325Dup	630399	7702001	243.47	396.27	38.75	125.50	17.27	4.81	11.49	1.44	1.65	1.16	3.16	0.40	2.68	0.36	37.72	886.11	923.83	0.09	125.07	0.09

SAMPLE	Easting	Northing	La2O3	Ce2O3	Pr2O3	Nd2O3	Sm2O3	Eu2O3	Gd2O3	Tb2O3	Dy2O3	Ho2O3	Er2O3	Tm2O3	Yb2O3	Lu2O3	Y2O3	TREO	TREO+Y2O3	%TREO+Y2O3	Nb2O5	%P2O5
13KMRC0326	630506	7702005	264.47	325.89	46.44	160.50	21.24	5.77	13.69	1.76	2.02	1.36	3.33	0.42	2.22	0.30	46.73	896.14	942.87	0.09	333.28	0.32
13KMRC0327	630604	7702008	102.15	190.40	19.90	68.82	9.88	2.91	7.28	0.97	1.11	0.94	2.46	0.32	2.06	0.28	27.30	436.78	464.08	0.05	275.61	0.32
13KMRC0328	630704	7701997	62.51	116.40	11.35	39.07	5.53	1.49	3.94	0.54	0.62	0.54	1.49	0.21	1.42	0.17	15.87	261.16	277.03	0.03	352.03	0.23
13KMRC0329	630803	7702003	80.81	130.80	12.29	39.77	5.33	1.35	3.76	0.49	0.57	0.53	1.53	0.24	1.46	0.22	16.64	295.79	312.42	0.03	330.27	0.07
13KMRC0332	631097	7702004	767.36	1486.70	157.18	532.34	67.28	17.29	39.08	4.45	5.11	3.99	12.12	1.86	13.37	1.98	131.31	3241.43	3372.74	0.34	245.99	1.10
13KMRC0333	631190	7702022	362.75	748.97	84.72	303.50	45.76	13.58	36.32	5.25	6.02	5.42	14.32	1.79	9.79	1.28	168.39	1807.86	1976.25	0.20	175.58	3.57
13KMRC0334	631300	7701990	286.05	603.07	67.15	235.96	37.08	11.27	28.75	3.95	4.53	3.69	9.90	1.24	8.32	1.14	114.67	1416.77	1531.44	0.15	202.34	0.16
13KMRC0335	631376	7701990	287.57	712.09	89.36	343.39	52.52	14.59	37.34	4.34	4.98	3.06	7.00	0.69	4.66	0.55	84.70	1646.83	1731.53	0.17	2480.07	5.98
13KMRC0335Dup	631376	7701990	296.72	721.45	91.45	348.99	54.94	15.47	37.83	4.41	5.06	3.05	7.16	0.71	4.49	0.51	85.08	1677.31	1762.39	0.18	2504.82	5.98
12KMRC001	631318	7703389	1852.91	3808.68	414.54	1517.25	213.04	57.01	117.16	12.64	14.50	8.80	17.80	1.76	8.36	0.94	231.63	8277.03	8508.66	0.85	3022.42	2.31
12KMRC002	631210	7703264	1648.14	3487.71	383.50	1383.70	180.48	46.25	97.46	10.72	12.30	8.13	18.30	1.85	9.42	1.10	222.87	7511.91	7734.78	0.77	7780.35	2.59
12KMRC003	631131	7703192	1729.53	3688.30	408.35	1487.86	220.14	61.11	131.89	14.99	17.20	10.69	22.84	2.46	11.98	1.42	286.74	8095.49	8382.24	0.84	3943.84	5.20
12KMRC004	631081	7703140	2002.44	4275.09	470.26	1713.09	245.55	68.99	148.87	15.83	18.16	8.41	15.86	1.50	6.34	0.65	222.87	9213.89	9436.76	0.94	607.89	2.22
12KMRC005	630973	7702975	2912.41	5807.34	611.94	2196.68	326.16	88.37	188.95	21.11	24.23	14.94	32.26	3.45	16.82	2.00	405.23	12651.88	13057.10	1.31	4912.91	12.21
12KMRC006	630942	7702878	2606.55	5231.09	548.40	1919.66	249.81	62.85	125.06	13.89	15.94	9.71	20.00	1.96	9.28	1.01	265.28	11080.51	11345.80	1.13	2981.63	6.14
12KMRC007	630872	7702865	2732.15	5413.06	560.74	1906.13	207.49	49.06	93.61	10.35	11.88	7.49	14.83	1.40	6.54	0.72	191.75	11207.21	11398.96	1.14	5236.60	5.86
12KMRC008	630913	7702830	2626.84	5497.96	596.67	2150.96	303.59	82.64	177.15	19.69	22.60	13.83	28.35	2.81	11.99	1.19	360.91	11897.18	12258.09	1.23	326.98	10.01
12KMRC009	630863	7702739	4390.02	7826.50	745.20	2378.99	286.77	71.36	137.31	14.58	16.74	9.39	16.67	1.48	6.85	0.75	247.00	16149.62	16396.62	1.64	1332.69	2.59
12KMRC010	630781	7702752	493.40	846.75	84.71	274.57	54.36	16.92	40.05	5.19	5.96	4.32	10.45	1.40	9.16	1.52	134.74	1983.49	2118.23	0.21	555.37	0.05
12KMRC011	630288	7701898	425.61	833.63	82.54	285.18	40.91	11.31	28.88	3.78	4.33	3.92	10.33	1.28	7.61	0.97	110.35	1850.64	1960.99	0.20	1013.43	0.76
12KMRC012	630416	7702047	65.56	95.90	8.95	29.04	4.31	1.04	3.50	0.53	0.61	0.65	1.86	0.27	1.71	0.26	18.16	232.38	250.54	0.03	53.52	0.16
12KMRC013	630546	7702187	1766.47	3525.65	370.52	1272.89	168.41	47.69	110.50	14.39	16.51	12.58	30.22	3.47	19.82	2.43	356.71	7718.28	8074.99	0.81	475.38	4.83
12KMRC014	631109	7702691	2811.44	4423.80	420.59	1334.24	175.96	47.17	99.31	11.18	12.83	9.16	21.57	2.46	14.42	1.85	260.20	9646.18	9906.38	0.99	1751.97	5.64
12KMRC015	630985	7702789	2122.30	3015.21	247.74	703.57	86.46	25.38	63.22	8.94	10.26	6.95	14.49	1.47	6.82	0.76	199.88	6513.47	6713.35	0.67	994.40	0.27
12KMRC016	630865	7702725	7869.72	10025.05	742.30	1930.51	201.65	54.90	115.50	11.52	13.22	6.58	11.60	1.04	4.93	0.56	182.99	21172.06	21355.06	2.14	1065.52	0.80
12KMRC017	630751	7702942	4288.23	7902.84	788.35	2582.76	366.57	103.40	234.29	29.25	33.57	23.91	51.26	5.77	30.64	3.92	635.71	17080.47	17716.18	1.77	578.70	10.31
12KMRC018	630618	7703060	1698.33	2776.09	269.17	852.17	105.59	26.40	53.68	5.77	6.62	4.46	9.94	1.14	5.82	0.73	125.47	5941.36	6066.83	0.61	603.74	2.18
12KMRC019	630798	7702648	1413.58	3207.02	370.04	1205.82	134.03	29.89	64.52	6.30	7.23	3.12	6.16	0.66	4.08	0.57	87.88	6540.88	6628.75	0.66	849.58	0.18
12KMRC020	631212	7702591	4058.83	6072.45	514.66	1482.84	153.55	39.91	84.75	8.36	9.59	2.91	4.32	0.37	2.35	0.38	65.65	12500.92	12566.58	1.26	1256.85	0.07
12KMRC021	631302	7702517	1886.57	3502.81	358.18	1248.51	172.99	50.61	119.11	15.71	18.03	13.13	32.82	3.87	19.64	2.25	370.94	7815.18	8186.12	0.82	1931.99	7.13
12KMRC023	630299	7703278	3323.48	5341.05	476.60	1421.26	175.91	48.47	104.55	10.67	12.25	4.01	5.19	0.34	1.89	0.25	85.46	11011.39	11096.85	1.11	9.44	0.07
12KMRC024	630394	7703252	190.93	349.43	37.20	132.62	22.83	6.52	16.16	1.86	2.14	1.31	2.81	0.18	1.63	0.24	34.41	800.28	834.69	0.08	352.31	0.23
12KMRC025	630500	7703133	1072.17	2259.44	245.67	873.40	120.26	31.07	64.38	6.03	6.92	4.25	11.92	1.76	13.38	2.08	118.61	4831.35	4949.96	0.49	3304.32	7.67
12KMRC026	630244	7703398	2007.36	3077.15	268.44	762.59	81.29	18.73	47.78	4.67	5.36	2.26	3.85	0.32	2.14	0.35	52.57	6334.89	6387.46	0.64	273.46	0.21
12KMRC028	630704	7702399	641.87	1185.29	113.47	341.99	26.52	4.92	8.02	0.73	0.83	0.53	1.07	0.07	0.88	0.17	16.13	2342.49	2358.61	0.24	414.85	0.07
12KMRC029	630721	7702512	3337.32	7394.40	808.77	2802.04	342.93	70.53	102.86	5.50	6.31	2.47	4.68	0.49	2.65	0.41	72.38	14953.75	15026.13	1.50	287.20	0.09
12KMRC030	630599	7702349	1592.78	3111.58	323.52	1107.26	162.08	47.40	99.43	9.70	11.14	5.29	10.55	1.05	5.80	0.72	137.66	6625.96	6763.62	0.68	1292.48	0.07
12KMRC033	631554	7702867	2804.40	4301.67	385.23	1197.54	136.65	35.56	72.19	7.52	8.63	4.39	8.90	0.86	4.79	0.61	113.91	9082.83	9196.74	0.92	3048.75	3.41

AMCOR Drill Holes

HoleID	Prospect	Easting	Northing	UTM	Zone	HoleType	Dip	Azimuth	RL (est)	Depth
ET01	Ondurakorume	630792	7702519	84	33S	Diamond	-30	320	1607	457
ET02	Ondurakorume	630792	7702519	84	33S	Diamond	-30	30	1607	458
ET03	Ondurakorume	631380	7702310	84	33S	Diamond	-30	320	1512	457
ET04	Ondurakorume	630497	7702100	84	33S	Diamond	-30	0	1569	195
ET05	Ondurakorume	631496	7702736	84	33S	Diamond	-30	250	1539	300
ET06	Ondurakorume	631480	7702842	84	33S	Diamond	-30	250	1522	49
ET07	Ondurakorume	631580	7702890	84	33S	Diamond	-30	180	1517	75
ET08	Ondurakorume	631590	7702830	84	33S	Diamond	-30	180	1518	47
ET09	Ondurakorume	630898	7702803	84	33S	Diamond	-20	0	1727	130
ET10	Ondurakorume	630718	7702818	84	33S	Diamond	-20	280	1751	140
ET11	Ondurakorume	630633	7703254	84	33S	Diamond	-20	240	1593	117

Note the estimated location error is +/-200m due to the age of the drilling.

HoleID	From_m	To_m	Lithology	P_2O_5%	Nb_2O_3%	$SrCO_3$%	U_3O_8%	Th_2O_5%	REO%
ET01	0	271	Carbonatite	1.56	0.15	2.16	0.004	0.25	0.15
ET01	271	457	Carbonatite	3.48	0.3	4.11	0.002	0.35	0.3
ET02	0	238	Carbonatite	1.16	0.08	NR	NR	NR	NR
ET02	238	333	Carbonatite	5.79	0.12	NR	NR	NR	NR
ET02	333	458	Carbonatite	3.45	0.13	NR	NR	NR	NR
ET03	0	302	Carbonatite	2.52	0.17	NR	NR	NR	NR
ET03	302	457	Carbonatite	1.32	0.27	NR	NR	NR	NR
ET04	0	195	Carbonatite	2.94	0.21	NR	NR	NR	NR
ET05	0	23	Carbonatite	3.8	NR	1.17	NR	NR	NR
ET05	23	54	Carbonatite	7.66	NR	2.11	NR	NR	NR
ET05	54	178	Carbonatite	3.93	NR	2.11	NR	NR	NR
ET05	178	227	Carbonatite	5.63	NR	3.43	NR	NR	NR
ET05	227	300	Carbonatite	3.35	NR	2.8	NR	NR	NR
ET06	0	12	mica schist	NR	NR	NR	NR	NR	NR
ET06	12	49	Carbonatite	7.48	0.44	1.75	NR	NR	NR
ET07	0	9	Granite boulders	NR	NR	NR	NR	NR	NR
ET07	9	75	Carbonatite	8.33	NR	2.88	NR	NR	NR
ET08	0	47	Carbonatite	7.08	NR	1.97	NR	NR	NR
ET09	0	130	Carbonatite	6.22	0.46	4.65	NR	NR	NR
ET10	0	140	Carbonatite	8.74	NR	2.03	NR	NR	NR
ET11	0	117	Carbonatite	9.4	0.32	3.71	NR	NR	NR

Note NR is not reported.

JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as downhole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (eg' reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.*	• **Rock samples** were collected from outcrop/subcrop of the dominate lithology at the predetermined grid sites. At each site approximately 500-1000g, two fist size representative samples of the dominate lithology were collected. Each sample was bagged, in medium sized calico, tagged internally and labelled externally. • **Regolith samples** were collected from the thin soils, below the transported veneer, collecting approximately 300 to 500g of minus 60# (-0.25mm) sieved material, targeting "C" horizon, although mostly "B" horizon was sampled. In very steep areas little soil developed was present so "A" horizon was collected. The regolith sample was sieved onsite and transferred into a folded paper geochem packet and over wrapped with a plastic outer seal lock bag, both inner and outer bags were labelled. • **Sample Duplicates**. An attempt to collect duplicate samples for quality control was undertaken by collecting a second rock and regolith sample at every tenth site. • **Data recording**. At each site pertinent geological and location information was recorded on datasheets, separate sheets for rock and regolith, which were later entered into digital spread sheets. Each site was photographed covering each sample site and a general view of the terrain. • Historical diamond BQ core by AMCOR involved logging and combined core samples based on lithological interpretation.
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).*	• AMCOR conducted 11 BQ diamond holes into targeted lithologies in the late 1960's. Evidence from approximately half were found by Kinloch.
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.*	• Only drill summary logs were available, so no core recoveries were available and it appears only selected samples from some holes were analysed • It is unknow what measures were taken to maximise core recovery or how representative in nature their sample collection for analysis.

Criteria	JORC Code explanation	Commentary
	• *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.*	• It is unknown what relationship exists between sample recovery and grade.
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.*	• Drill logs have not been reported to level sufficient for Mineral resource calculations. • Available core information is only summarised, some petrology is available from some intervals only. • While the total length of core is available only summary intervals are available.
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.*	• It is unknown how or if the core was cut for analysis. • For the rock chip and soil sampling the techniques applied are appropriate for initial investigations. They are not intended to be used is any resource calculations. • The quality control procedures for the rock and soil sampling are considered good in respect to the use of duplicates and standards which were used to measure the repeatability and consistency of the analytical results. • While the measure of representativity is somewhat biased with small samples based on dominate lithology present for the purposes of exploration potential (not resource calculations) the sampling is consider adequate. • The 0.5-1kg rock samples are appropriate given the sovite and beforsite mineral grainsize. The soil sample size is appropriate given the amount of material sieved to get the sufficient fine material.
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.*	• The rock and soil samples were consigned to Intertek's Walvis Bay facility before being shipped to Intertek's Genalysis Laboratory in Perth for Lithium Borate Fusion and ICP-MS finish. These techniques are considered appropriate given the refractory nature of REE in conventional total acid leaches. It is unknown what assay techniques were used for the drill samples.

Criteria	JORC Code explanation	Commentary
	• *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.*	• While hyperspectral SWIR and XRF data is available, it was not referenced in this release. • Rock and soil sample duplicates at every 10 sample and CRM's (OREAS-146) at every 100 samples were conducted and were within acceptable tolerances. It is unknown what quality control procedures were utilised by AMCOR for the drill core analysis.
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.*	• No verification drill holes are reported. • It is unknown what documentation protocols were used by AMCOR and Kinloch as none were reported in the open file reports. • There is no mention of assay adjustments to the data.
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 AMCOR reports do not mention any drill hole co-ordinates and locations are derived from the published maps. Kinloch used a handheld GPS to record all data points. • Kinloch used the WGS84-33S datum, no datum is available for the AMCOR drilling. • No Topographic control is reported
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.*	• The rock and soil sampling were done on a 100m centred grid over 1600x2000m which is considered adequate for exploration grid sampling of a circular 1400m diameter body. • The surface sampling is adequate for delineating the 2D spread of any mineralisation but makes no interpretation of the vertical extent of mineralisation. The results must not be considered in any context of mineral grade or resource estimation. Therefore, no resource inferences can be made. The drilling data is not sufficient to indicate any continuity of mineralisation at depth. • No mineral compositing has been done for the surface samples, but for the drill samples some composition was done based on lithology.

Criteria	JORC Code explanation	Commentary
Orientation of data in relation to geological structure	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	• The grid rock and soil sampling makes no consideration of any structures other than the grid extending in country rock. The drill hole placement appears to target various outcrop lithologies, but the reports do not mention any strategy in the drilling. • As the drilling results are extremely limited no interpretations can be linked to sample bias and the drilling results should not be given any major context value.
Sample security	• *The measures taken to ensure sample security.*	• No sampling or drilling security adopted is mentioned in the open file reports.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• No sampling or drilling audit reviews are mentioned in the open file reports

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	• Exclusive Prospecting Licences EPL 7372. 7373 and 7895 see text and table in release for ownership, agreement type. No native title, wilderness or National Parks impacted. Licences are on local pastoral licences, sub surface minerals owned by the state. • All three EPL are held by the related agreement parties. Two licences have licence renewals pending, as this is their first renewal period no impediments are envisaged.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• Previous relevant exploration was undertaken by: AMCOR (1960s-70s), results are not quoted in this release. • Kinloch Resources Limited (2012-2016), results are not quoted in this release
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The Kameelburg Project is located in the northern Central Damara Orogenic Belt in Namibia and covers the Cretaceous Kameelburg Carbonatite plug and associated radial dykes intruding precursor syenites in the older host Neoproterozoic

Criteria	JORC Code explanation	Commentary
		marbles and schists. The plug is approximately 1.4km in diameter and rises up to 275m above the surrounding peneplain. The intrusion consists of an initial pre-curser phase of nepheline syenite/syenite followed by two sovite and three beforsite phases with remanent rafts of volcanic breccia and syenite, the vestiges of earlier intrusive phases. The country rock consists of marbles, quartzite's, mica schists of the Damara Supergroup. Rare earth metals are known to occur in all five phases with higher concentrations in the more magnesium and iron rich beforesites. The REE mineralisation style is consistent with fractionated carbonatite intrusive plugs.

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.*
		• Rock and Soil assay results tabulated in the report have co-ordinates but not RL's as those derived from the handheld GPS are considered too inaccurate for used given the steep terrain of the carbonatite.
		• Any drill data provided must be considered inaccurate given its age, over 50 years, and limited location technology.
		• No pertinent information has been excluded in this release.

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 weighting or averaging techniques or truncations are undertaken in the rock and soil sampling other than standard averaging within the interpreted 1%TREO contour (derived from kriging). The 1%TREO contour is the only cut-off used in the calculations. • No data aggregation methods were used apart from the normal averaging within the 1%TREO contour. • No metal equivalents have been used.

Criteria	JORC Code explanation	Commentary
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	• No relationships between mineralisation widths and intercepts have been made. • No comment on the geometry of the mineralisation has been made. • Conversion of down hole to True width has not been done as no down hole orientation data is available.
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 location and geology maps are presented in the body of the announcement
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 rock and soil assays have been provided, on the carbonatite and off the carbonatite.
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.*	• No other data apart from surface exploration data is presented in this release as the available metallurgical data is not well documented with systems and processes used.
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.*	• Short term future work plans are detailed in the body of this announcement. Basically, due diligence sampling to validate the historical rock and soil sampling. Also, a thorough review of all data will be conducted and if required a drill programme will be implemented to give 3D control of the mineralisation. An accurate DEM survey will be undertaken to aid the interpretation of this large steeply sided plug. • Diagrams of future work are not provided as the review is required first.