ASX Announcement
ASX:DY6

19 April 2024

Rock Chips of up to 3.22% TREO identified in newly granted Machinga licence

HIGHLIGHTS

- *Sampling program consisting of a total of 727 rock chips and soil samples recently completed into recently granted licence area at Machinga*
- *Full assay results received from soil and rock chip sampling program at Machinga:*
  - *305 soil samples were taken on a 200m x 100m grid*
    - *Assays returned up to 0.49%TREO*
    - *21% of all soil samples returned >1000ppm (>0.1%) TREO*
  - *422 rock chip samples were taken on a nominal 50 x 50m grid*
    - *Assays returned up to 3.22% TREO, with 5 samples returning 1%+ TREO*
    - *Rock chips also returned up to 0.75% Nb_2O_5*
- *Two anomalies west of the main road of the newly granted licence show a much more continuous character of higher TREO results - highlighting the scale potential of REE mineralisation in this new area of the licence*
- *Assays will assist in refining targets ahead of next phase of drilling at Machinga*

Heavy rare earths (HREE) and Niobium (Nb) explorer DY6 Metals Ltd (ASX: DY6) ("DY6", "the Company") is pleased to announce the receipt of the assay results for the second comprehensive reconnaissance rock chip and soil sampling program completed at Machinga Main Licence Area Anomaly (Figure 1).

Machinga Soil and Rock Chip Sampling Program

Following on from the DDH assays reported in December 2023, DY6 conducted a comprehensive geochemical sampling over the Machinga exploration licences (EL0705/EL0529) initially, targeting the western side of the maiden drilling in Area 1 and 2 in licence EL0529 before moving to the anomalous soil responses in the southern region of Machinga main (EL0705) (Figure 1). The program consisted of a total of 727 samples which included 422 rock chips and 305 soils. The full list of assay results is included in Table 1.

Geochemical sampling was extended into the new licence and over the anomalous southern region covering and area of approximately 3000m x 2000m along a NW-SE strike direction. A previously reported extensive uranium radiometric anomaly, which spans over 7km along the same geological unit (refer ASX release dated 6 July 2023) is being targeted by the Company.

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Significant rock chip samples include:

- 2.26% TREO, 0.19% Nb_2O_5 (MEX061)
- 1.60% TREO, 0.60% Nb_2O_5 (MEX098)
- 3.22% TREO, 0.75% Nb_2O_5 (MEX141)
- 1.00% TREO, 0.11% Nb_2O_5 (MEX270)
- 1.16% TREO, 0.41% Nb_2O_5 (MEX510)

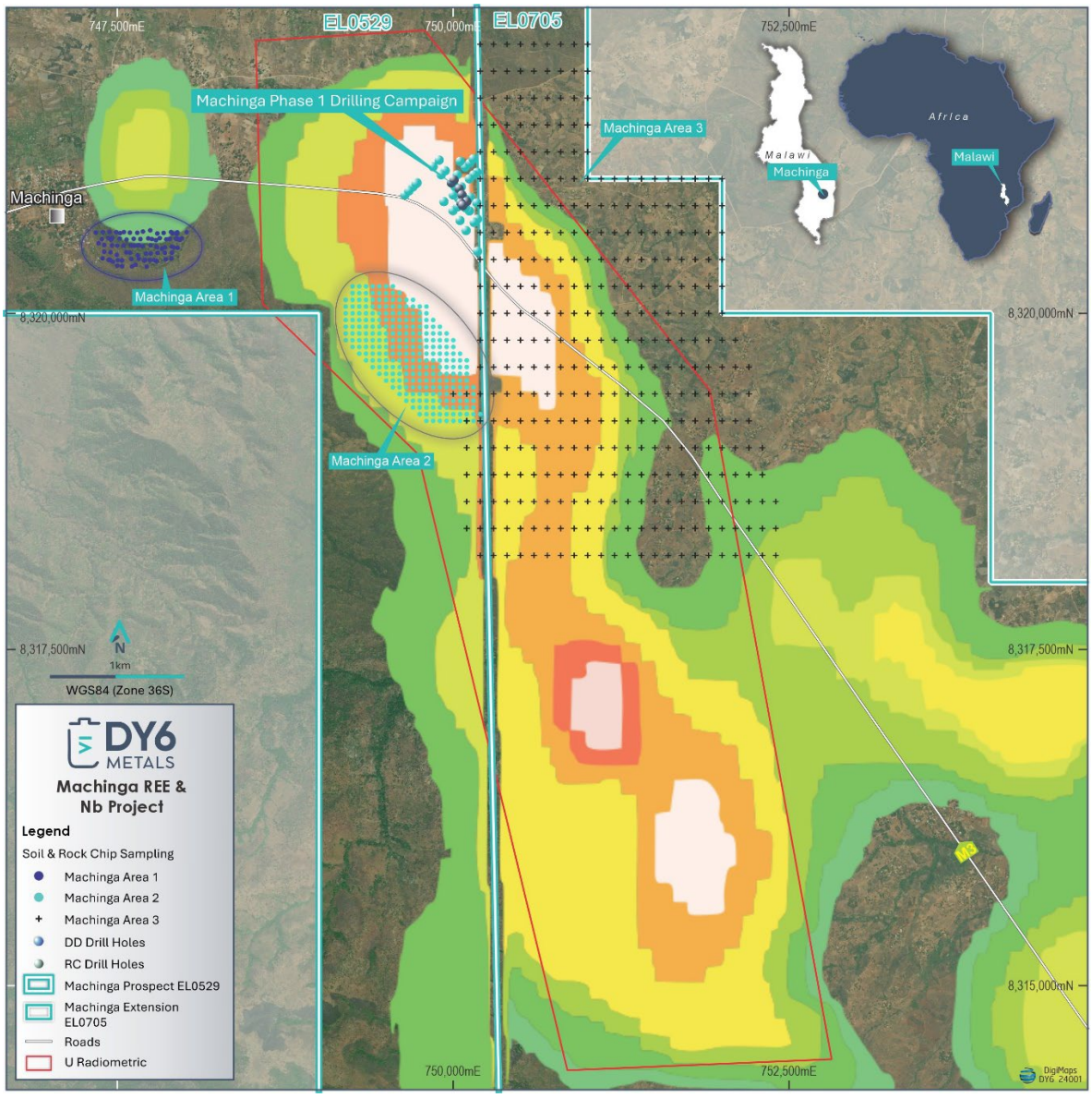

Figure 1: Part of Machinga Licence Area on U-radiometric image showing recent sampling areas across the anomalous zone

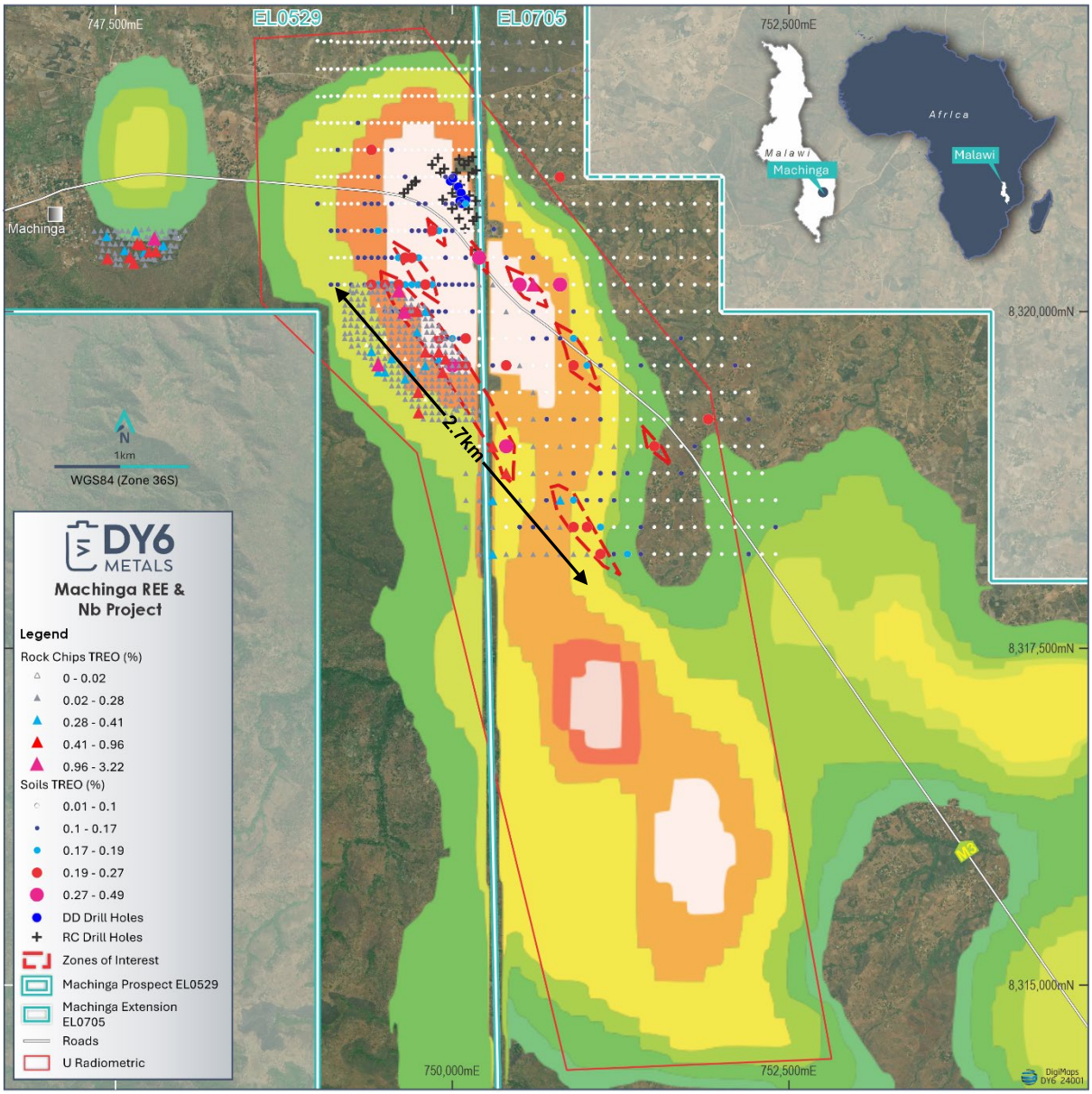

Figure 2: Soil and Rock TREO % responses on part of Machinga Licence Area on U-Radiometric image from recent and previous DY6 sampling

The results indicate multiple parallel zones consistent with the drilling results (Figure 2). The area of drilling and to the southeast tend to show patchy results due to extensive soil cover derived from up slope to the west, but clearly anomalism is not being dispersed. **The two western anomalies where sample density is higher show a much more continuous character of greater TREO results, highlighting the scale potential of REE mineralisation in this area of the licence. This zone was only partially tested by the first phase of drilling as no drilling was completed west of the main road.**

The extension of this trend is highly significant as this is within the Forestry Reserve, where DY6 has a forestry permit, and not within farming activities, allowing for future exploration activities west of the highway.

The Machinga sampling over the entire footprint shows distinctly different HREO and NdPr signature to the main Machinga drilling area and the most elevated concentrations of TREO correspond to the highest Nb values. The project area comprises of nepheline syenites, syenite rocks and minor alkaline granites of various lithologies with a range of REE mineralisation variably distributed in the various rock types. The mineralised layers in those rocks, other than Eudialyte, are rich in various other REE minerals and is confirmed by recent XRD analysis. XRD analysis of selected high-grade TREO rock chips should confirm the different types of mineralisation.

Previous drilling primarily focused on the NE region of Machinga Main Northern anomaly near the licence border and where Globe Metals and Mining (Globe) initially explored. The recent rock chip results indicate significant potential exists for further drilling west and to the south of the initial focus of drilling activity with a significantly sized 2.7km long soil geochemical anomaly NW to SE (Figure 2). The Company's rock chip sampling results over the southern region of Machinga anomaly follows a similar trend pattern to historic results by Globe and potentially leads to the identification of further HREO mineralisation to be confirmed by future drill testing. Further field work is under consideration in the remaining southern part of the new licence area to define targets for future drilling by DY6.

Mineralogy and Metallurgy Update

DY6's knowledge and understanding of the host rock mineralisation of the Machinga alkaline complex is rapidly advancing and REE mineralised zones of drill core have been geologically logged as hydrothermal breccias. As part of the Company's assessment, several pieces of 1/4 core from diamond drillholes MDD004, MDD007 and MDD008 were submitted to ALS Mineralogy department for further investigation with emphasis on identification of rare earth species and presence of deleterious minerals using Quantitative Automated Mineralogical Analysis (QEMSCAN).

The TREO distribution of the 15.1m intersection of MDD007 was mostly used for mineralogy assessment where rare earth rich mineralisation was observed within the hydrothermal breccia from 23.9m for 15.1m with high TREO grade zones of:

- 1.79% TREO @ 29m to 30m
- 1.31% TREO @ 33m to 34m
- 1.89% TREO @ 34m to 35m and
- 2.12% TREO from 35m to 36m

The mineralogy and quantitative assessment of minerals contained in the core will provide valuable liberation characteristics of target minerals to guide the Company in formulating an initial metallurgical test program.

The Company also shipped to ALS in Perth a total of 20 quarter core samples from seven drill holes and selected a wide range of mineralised intersection depths, lithology, grades and also typical host rocks to produce a representative ore sample to commence a beneficiation test work program in Q2, 2024, upon completion of the QEMSCAN work.

15 RC pulp samples from the drilling program in the TREO range of 0.5% to 1.5% were submitted to Intertek Laboratories in Perth for semi-quantitative XRD analysis.

Overall, the XRD analysis reveals that Eudialyte group minerals (EGM) is the dominant RE bearing mineral in the deposit along with minor minerals, bastnaesite and xenotime. The associated host rocks abundant at the Machinga Alkaline province are sodium and potassium aluminosilicates associated with the nepheline syenite.

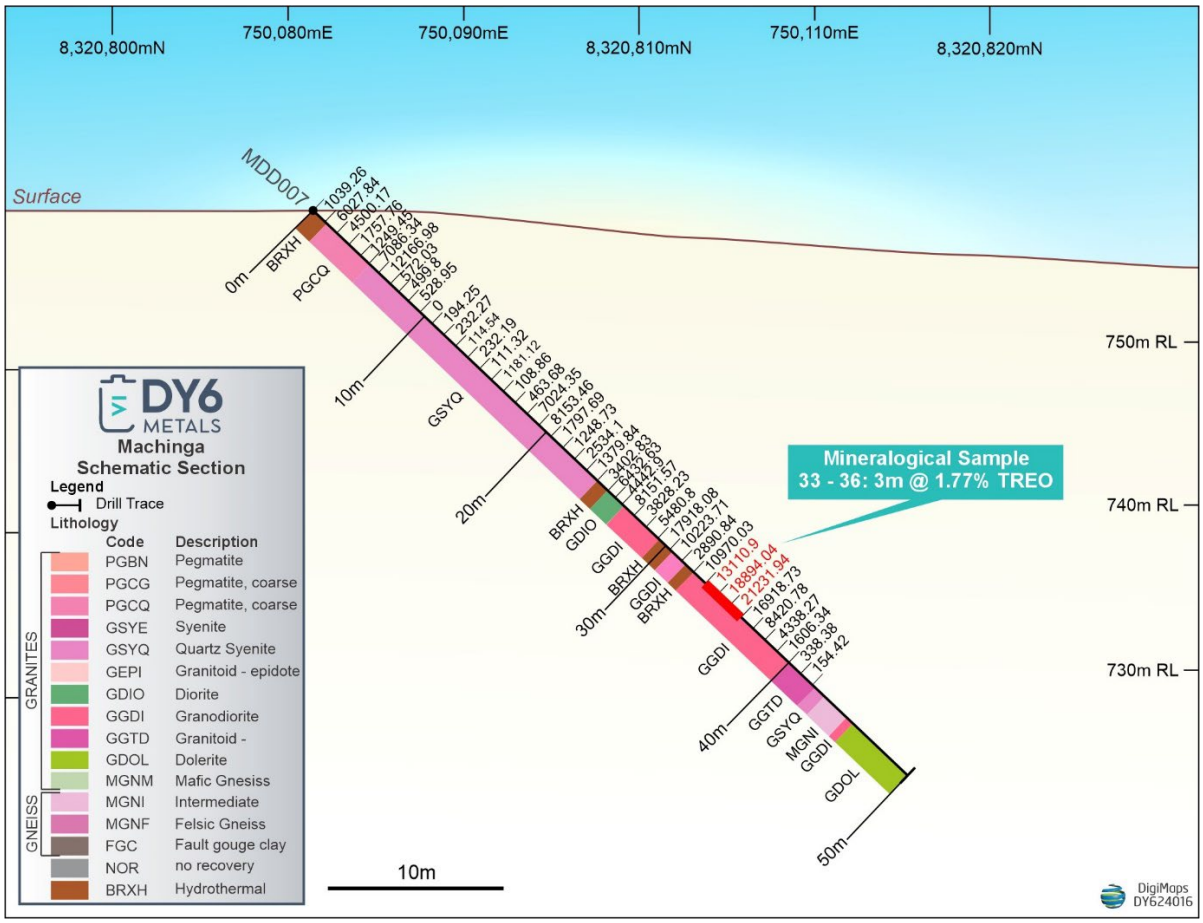

Figure 3. Shows the Lithological Log

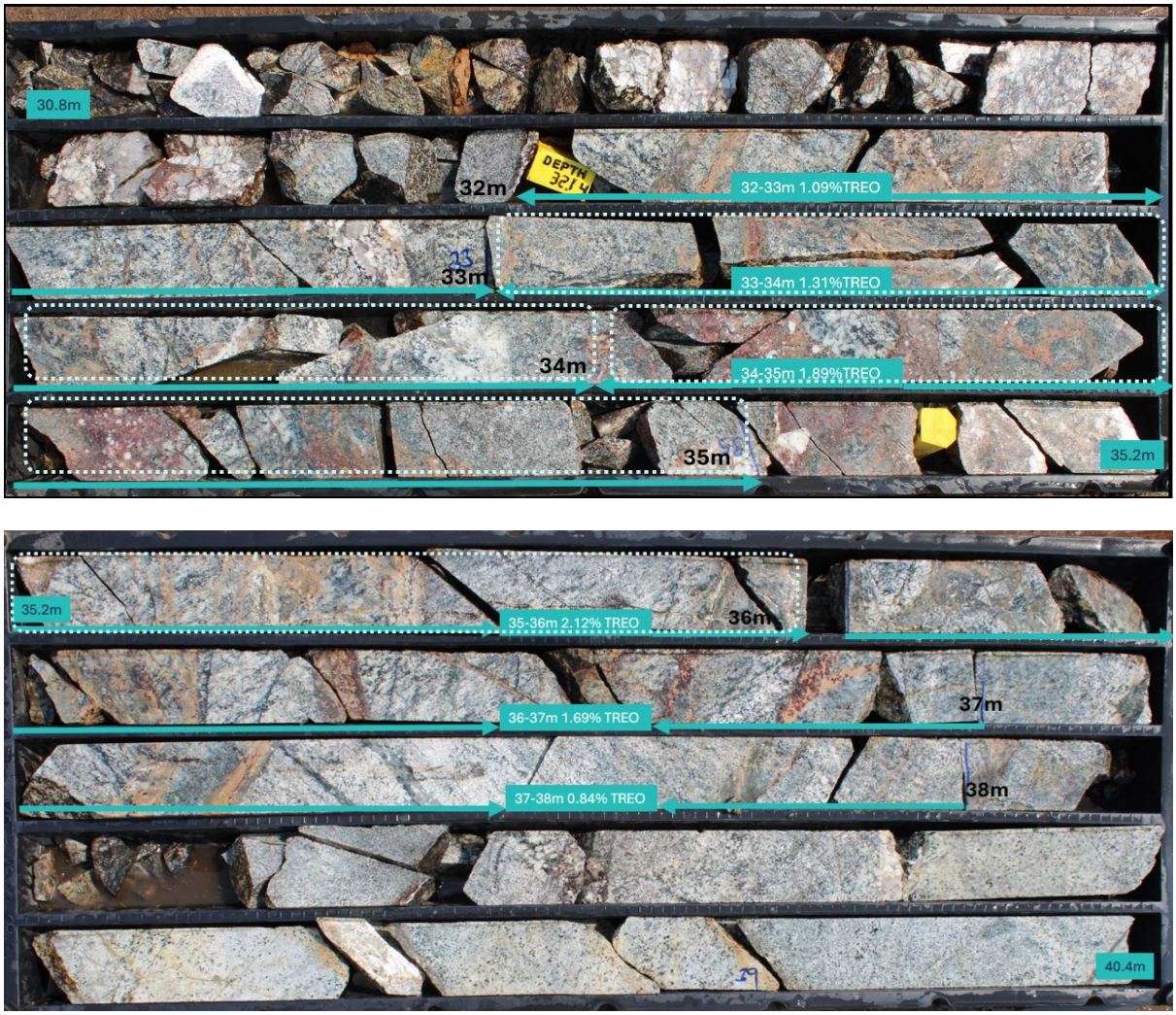

Figure 4. Half drill core of MMD007 (30.8m - 35.2m) and (35.2m - 40.4m) showing high-grade rare earth mineralisation in the Machinga deposit and pieces selected for QEMSCAN

The current test work program will continue through Q2 and Q3 2024.

-ENDS-

This announcement has been authorised by the Board of DY6.

More information

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Competent Persons Statement

The Information in this report that relates to exploration results, mineral resources or ore reserves is based on information compiled by Mr Allan Younger, who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Younger is a consultant of the Company. Mr Younger has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity that he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the `Australian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves' (the JORC Code). Mr Younger consents to the inclusion of this information in the form and context in which it appears in this report. Mr Younger holds shares in the Company.

Cautionary Statement

Visual observations of the presence of rock or mineral types and abundance should never be considered a proxy or substitute for petrography and laboratory analyses where mineral types, concentrations or grades are the factor of principal economic interest. Visual observations and estimates also potentially provide no information regarding impurities or deleterious physical properties relevant to valuations. At this stage it is too early for the Company to make a determinative view on the abundances of any of these minerals. These abundances will be determined more accurately through petrography, assay, and XRF analysis. The observed presence of known REE-bearing minerals does not necessarily equate to rare earth mineralisation. It is not possible to estimate the concentration of REE by visual estimation and this will be determined by chemical analysis.

Table 1: Sample Results – TREO and Nb_2O_5 results >0.5% highlighted

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX001	747907	8320451	223.7	14.8	10.4	1.6	16.5	3.2	173.8	2.4	134.7	118.7	36.4	19.5	2.8	17.3	1.6	4.0	87.2	13.8	0.09	0.02	182.43	20.94
MEX002	747907	8320451	338.6	28.7	20.5	1.7	21.5	6.0	131.9	4.4	450.3	108.8	33.2	23.0	4.0	58.7	3.4	12.5	174.0	26.0	0.11	0.06	167.02	14.93
MEX003	747854	8320449	601.7	30.5	19.1	3.0	33.9	6.0	370.2	3.2	331.1	230.2	70.7	39.2	5.2	55.0	2.7	11.0	196.3	19.9	0.20	0.05	353.93	18.02
MEX004	747800	8320448	832.2	116.4	47.4	17.9	194.3	18.6	2269	5.2	310.3	1603.1	466.4	244.0	24.0	42.0	5.7	9.6	617.8	34.4	**0.77**	0.04	2433.36	31.53
MEX005	747749	8320444	532.7	81.5	35.3	11.7	132.5	14.0	1876.9	3.7	252.2	1136.5	345.7	168.0	16.7	36.0	4.3	8.6	530.8	25.6	**0.58**	0.04	1743.29	29.84
MEX006	747714	8320443	675.1	48.2	21.3	7.5	73.1	8.1	848.8	2.8	157.7	642.9	199.3	100.2	10.0	23.9	2.8	5.7	261.4	18.0	0.35	0.02	990.67	28.43
MEX007	747653	8320431	240.9	27.6	19.4	1.5	17.3	6.5	34.2	3.3	486.8	50.4	13.8	15.1	3.6	42.4	2.9	11.1	171.2	20.4	0.08	0.07	75.46	9.88
MEX008	747596	8320450	331.1	16.7	11.1	1.6	17.6	3.0	191.5	2.0	206.5	134	42.7	21.5	2.6	25.9	1.7	6.1	93.8	10.7	0.11	0.03	207.89	19.61
MEX009	747567	8320453	910	29.6	15.0	3.9	45.3	5.5	605.2	2.6	188.1	433.6	135.1	63.7	6.0	28.2	1.9	5.9	130.5	16.0	0.29	0.03	668.98	23.22
MEX010	747496	8320434	219.9	9.9	5.5	1.3	11.6	1.7	109.5	1.1	113.9	98.6	29.7	16.2	1.7	13.1	0.8	3.2	45.9	6.5	0.07	0.02	150.89	22.44
MEX011	747449	8320453	299.5	18.3	10.2	2.2	22.4	3.5	181.2	1.6	177	152.1	44.0	25.1	3.3	18.9	1.7	4.1	97.0	10.9	0.10	0.03	230.57	21.99
MEX012	747403	8320457	262.3	12.4	7.7	1.2	14.5	2.6	138.2	1.5	156.6	108	31.2	18.2	2.2	15.0	1.1	4.0	69.2	8.1	0.08	0.02	163.67	20.06
MEX013	747902	8320406	204.3	10.3	7.5	1.1	12.4	2.2	128.4	1.2	145	87.9	26.5	14.8	1.7	23.2	1.0	3.9	61.9	7.8	0.07	0.02	134.54	19.68
MEX014	747861	8320401	552.4	35.4	22.6	4.1	39.3	7.0	732.4	3.9	513.7	380.6	125.5	56.8	6.3	81.8	3.3	17.7	208.7	23.9	0.26	0.07	595.56	22.63
MEX015	747793	8320387	58.5	7.4	6.2	0.4	5.4	1.8	36.6	1.7	144.8	24.9	7.6	3.9	1.1	16.7	1.3	3.7	56.8	9.4	0.03	0.02	38.23	14.19
MEX016	747775	8320395	228.6	12.5	7.7	1.4	14.4	2.5	155.8	1.7	177	113.1	34.1	18.1	2.3	22.8	1.2	4.7	73.0	9.3	0.08	0.03	173.12	21.34
MEX017	747744	8320394	364.8	28.0	15.6	4.2	39.9	5.7	489.8	2.2	253.7	289.8	87.4	42.0	5.1	19.0	2.3	15.9	177.8	12.7	0.19	0.04	443.62	23.68
MEX018	747708	8320396	347.4	28.4	15.9	4.2	40.0	5.4	759.5	2.5	207.9	458.2	144.9	59.0	5.6	20.0	2.4	5.3	239.3	15.5	0.25	0.03	709.51	27.97
MEX019	747699	8320392	241.6	10.2	8.3	0.7	8.3	2.1	72.7	1.7	150.2	57.9	18.1	10.2	1.6	28.3	1.4	3.5	65.9	8.5	0.06	0.02	89.40	14.51
MEX020	747661	8320405	380.3	19.2	12.1	2.0	24.0	4.1	263	2.5	220.2	199.2	62.4	32.6	3.8	27.6	1.9	6.0	107.3	16.0	0.14	0.03	307.74	22.70
MEX021	747605	8320403	513.7	45.3	19.6	8.4	84.2	7.7	2006	2.7	140	1002.7	340.7	130.5	9.5	25.7	2.6	3.4	403.3	15.5	**0.55**	0.02	1581.18	29.00
MEX024	747535	8320392	332.4	13.5	7.4	1.8	19.4	2.2	193	1.1	104.6	157.6	45.0	25.1	2.6	13.5	1.0	2.6	70.0	7.0	0.11	0.01	238.19	22.57
MEX025	747503	8320395	297.3	26.6	20.0	1.6	19.9	6.0	108.6	3.1	364.4	93.2	26.9	19.8	3.9	13.1	3.0	3.5	167.9	18.6	0.10	0.05	141.21	14.30
MEX026	747466	8320383	259	15.4	13.0	1.2	10.5	3.6	47.5	2.4	265	43	12.9	11.0	2.3	30.9	1.9	5.9	110.9	14.4	0.07	0.04	65.74	9.85
MEX027	747446	8320397	450.7	27.7	13.0	3.6	35.7	4.6	202.9	1.9	190.5	237.5	64.4	43.3	5.4	22.7	1.8	5.0	123.4	11.5	0.15	0.03	354.83	24.07
MEX028	747442	8320395	799.7	81.3	32.7	14.5	126.9	12.9	792.4	4.3	229.4	1010.3	272.9	174.4	16.5	29.5	4.4	6.3	317.4	30.2	0.44	0.03	1508.13	34.30
MEX029	747435	8320397	87.9	5.7	3.0	0.7	6.7	1.2	40.9	0.5	60.7	40	11.1	7.1	1.0	8.4	0.5	2.2	32.7	2.6	0.03	0.01	60.07	20.65
MEX030	747391	8320408	233.1	13.2	7.0	2.0	17.8	2.4	157.6	1.0	122.6	133.4	37.1	21.3	2.4	16.9	0.9	3.0	69.1	5.4	0.08	0.02	200.42	23.75
MEX031	747719	8320347	348.3	18.1	12.6	1.5	14.6	3.5	140.4	2.1	254.6	108.7	34.3	19.7	2.8	25.9	1.8	7.6	110.7	13.1	0.10	0.04	168.23	16.75
MEX032	747609	8320348	333.8	21.4	15.2	1.8	22.8	4.4	179.5	4.7	211.4	158.9	44.5	29.3	3.5	17.1	2.9	5.7	123.5	22.1	0.12	0.03	239.11	20.55
MEX033	747636	8320360	565.4	73.4	29.8	12.6	126.9	11.6	2049.4	4.1	214.5	1286.3	394.9	172.7	15.4	19.9	3.7	6.0	435.9	24.5	**0.62**	0.03	1977.46	32.02
MEX034	747536	8320349	146	7.1	4.1	0.9	8.0	1.1	75	1.0	104.8	68.4	21.2	11.4	1.2	5.6	0.7	1.9	31.7	5.7	0.05	0.01	105.40	22.89
MEX035	747500	8320353	161.3	6.7	4.9	0.7	8.9	1.5	82.1	1.1	146.9	63	19.7	10.5	1.2	15.0	0.8	3.1	40.2	5.5	0.05	0.02	97.28	19.82
MEX036	747455	8320548	146.9	10.8	6.4	1.7	15.8	2.1	118.1	1.0	89.3	101.3	29.2	16.6	2.0	7.3	0.8	1.7	68.2	5.1	0.06	0.01	153.44	24.33

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX037	748017	8320602	587.3	15.8	11.3	1.9	15.2	3.2	207.4	2.3	672.9	133.5	42.6	22.8	2.6	44.1	1.8	26.9	69.7	13.8	0.14	0.10	207.18	15.18
MEX038	747943	8320589	530.8	10.1	8.7	0.8	9.4	2.4	250.4	2.0	668.3	103.5	34.5	13.8	1.6	34.1	1.3	40.7	66.6	11.2	0.13	0.10	162.41	12.86
MEX039	747947	8320601	321.6	9.2	6.3	0.7	8.3	1.7	227.8	1.5	139	77.4	27.2	10.4	1.4	26.6	1.2	3.1	48.1	9.5	0.09	0.02	123.14	13.62
MEX040	747911	8320595	192.9	5.5	4.1	0.4	4.4	1.2	142.2	1.2	111.4	44.7	15.6	5.5	0.7	14.4	0.7	2.5	29.7	6.7	0.05	0.02	70.99	12.97
MEX041	747900	8320603	187.2	10.1	8.4	0.7	8.3	2.2	105.1	2.1	207.5	53.2	16.6	10.7	1.4	22.6	1.6	4.7	58.9	10.6	0.06	0.03	82.11	14.29
MEX042	747845	8320597	332.1	13.1	12.3	0.8	11.1	3.1	177.2	2.8	361.2	80.8	26.3	13.1	2.1	60.6	2.0	7.1	81.3	17.1	0.09	0.05	126.02	13.49
MEX043	747798	8320593	1169.3	26.1	18.1	2.4	27.9	5.2	530	3.9	425.9	270.2	91.2	39.6	4.3	44.5	2.8	13.9	143.4	21.8	0.28	0.06	425.35	14.98
MEX044	747745	8320616	105.2	14.2	11.7	0.6	8.0	3.4	38	2.3	280.5	35.2	10.0	7.9	1.7	42.5	2.0	5.6	97.9	14.4	0.04	0.04	53.14	12.44
MEX045	747691	8320607	752.7	15.8	9.3	2.0	20.3	2.8	296.5	1.8	183	176.5	57.3	28.3	2.9	19.0	1.4	7.2	75.8	11.2	0.18	0.03	275.10	15.68
MEX046	747649	8320598	1275.8	34.8	24.2	2.8	35.5	7.3	688.4	3.6	545	361.2	120.1	47.5	5.5	106.9	3.5	11.8	210.4	25.2	0.34	0.08	566.41	16.53
MEX047	747594	8320599	335.4	15.4	9.9	1.5	16.2	3.3	164.2	1.9	231.5	121.8	37.1	19.4	2.4	22.3	1.9	7.5	90.9	11.0	0.10	0.03	186.89	18.65
MEX048	747549	8320603	158.4	6.1	3.8	0.7	8.1	1.2	77	0.9	51.7	61.9	18.4	10.4	1.3	6.3	0.6	1.0	37.7	4.5	0.05	0.01	94.43	20.07
MEX049	747521	8320595	429.3	30.1	18.4	4.1	33.8	5.8	330	3.2	276.2	247.3	74.6	43.4	5.5	43.6	2.8	8.0	155.2	19.9	0.17	0.04	378.58	22.50
MEX050	747493	8320602	804.2	32.2	17.6	4.2	41.5	5.7	549.4	2.5	226	367.4	116.8	57.5	5.9	50.9	2.5	5.7	162.3	17.3	0.26	0.03	569.65	21.71
MEX051	747442	8320604	194.3	13.6	10.7	1.0	13.2	2.9	97.7	2.0	243.5	83.4	25.3	15.6	2.1	29.5	1.4	7.3	84.0	12.6	0.07	0.03	127.85	18.96
MEX052	747393	8320602	404.1	18.1	9.5	2.0	21.9	2.9	219.2	1.8	206	163.5	50.6	26.3	3.3	28.1	1.4	7.0	85.4	9.9	0.12	0.03	251.84	20.55
MEX053	747341	8320599	637.6	29.6	16.7	3.2	37.7	5.2	374	2.5	232.7	293.8	87.8	50.3	5.5	30.5	2.3	6.5	145.3	14.5	0.20	0.03	448.77	21.91
MEX054	747981	8320556	392.1	13.9	11.2	1.0	10.9	3.0	176.5	2.1	381.1	102.1	33.2	15.6	2.1	40.5	1.7	11.5	73.4	13.0	0.10	0.05	159.20	15.51
MEX055	747966	8320545	127.7	0.8	0.8	0.1	0.7	0.2	8.7	0.5	24.6	7.2	2.0	1.7	0.2	0.7	0.2	0.2	4.4	2.0	0.02	0.00	10.81	5.64
MEX056	747954	8320550	319.8	9.6	8.3	0.8	8.8	2.2	220.8	1.7	204.6	81	27.1	11.2	1.6	26.9	1.4	3.9	51.8	10.9	0.09	0.03	127.22	13.99
MEX057	747937	8320553	300.9	6.5	5.8	0.5	5.6	1.5	253.5	1.2	121.5	70	25.3	7.0	1.0	20.6	1.0	2.7	39.0	8.3	0.09	0.02	112.22	12.86
MEX058	747890	8320553	409	20.2	16.1	1.1	12.1	4.4	91.1	2.3	613.7	63.6	19.1	14.5	2.4	45.5	2.8	20.4	118.6	17.5	0.10	0.09	97.26	10.08
MEX059	747865	8320549	302.5	12.5	8.8	1.0	9.9	2.6	64.1	1.6	150.1	55.7	16.5	11.9	1.9	25.0	1.4	3.3	73.0	10.4	0.07	0.02	84.90	12.21
MEX060	747816	8320558	452.4	10.0	5.5	1.1	12.5	1.7	230.9	1.3	96.7	131.4	41.6	17.5	1.8	8.9	1.0	1.1	56.0	6.8	0.12	0.01	203.53	17.41
MEX061	747788	8320543	9149	52.7	28.5	8.8	95.5	9.5	6226.6	5.3	1345.2	2004.6	742.3	189.5	10.8	196.6	4.1	18.9	252.7	33.1	**2.26**	0.19	3235.01	14.31
MEX064	747757	8320551	506.1	25.2	16.1	2.1	20.0	4.9	201	2.2	659.8	134	42.2	23.0	3.9	67.6	2.3	26.3	153.8	17.8	0.14	0.09	207.28	14.86
MEX065	747730	8320556	613.8	40.3	28.4	2.0	27.7	8.5	199.1	4.2	706	137.9	43.9	27.9	5.6	64.4	4.4	23.6	241.8	29.0	0.17	0.10	213.89	12.49
MEX066	747672	8320551	484.2	13.9	9.8	1.3	16.0	3.1	178.5	1.8	185.5	137.2	40.6	21.1	2.5	27.2	1.6	5.9	76.9	11.7	0.12	0.03	209.08	17.34
MEX067	747622	8320553	562.7	22.5	12.1	3.2	29.0	4.1	495.8	2.3	132.5	297.6	91.8	41.3	4.1	17.3	1.8	2.9	118.5	13.7	0.20	0.02	458.03	22.50
MEX068	747569	8320547	430	9.3	7.1	1.0	12.3	1.9	235.9	1.4	288.4	142.1	45.2	20.2	2.0	28.5	1.2	11.3	54.6	9.4	0.12	0.04	220.36	18.83
MEX069	747518	8320555	204.9	14.3	11.0	1.2	12.2	3.2	107.4	2.1	296.9	77	24.9	15.0	2.4	32.1	1.8	11.2	91.0	13.5	0.07	0.04	119.90	17.10
MEX070	747463	8320560	166.5	14.6	8.8	1.2	10.1	2.9	56	1.4	177.6	55.3	16.0	10.4	2.1	32.7	1.9	4.4	79.1	11.1	0.05	0.03	83.83	15.86
MEX071	747434	8320558	1607.8	30.2	16.3	3.9	41.3	5.4	881.3	2.8	365.9	456.8	148.7	60.1	5.8	71.8	2.5	7.9	150.7	17.3	0.41	0.05	712.47	17.27
MEX072	747385	8320551	189.1	11.7	7.5	1.4	12.9	2.5	132.5	1.4	205.2	96.5	28.8	16.1	2.1	18.1	1.2	3.9	72.6	8.4	0.07	0.03	147.35	20.98
MEX073	747950	8320487	127.2	8.4	7.2	0.3	4.0	2.0	36.2	1.7	221.6	23.5	7.1	4.5	1.0	29.1	1.1	5.8	59.7	8.9	0.04	0.03	35.99	10.13
MEX074	747919	8320489	222.7	9.1	8.6	0.5	4.0	2.1	52.3	2.1	231.1	30.1	10.0	5.2	1.0	24.8	1.4	5.6	62.5	12.5	0.05	0.03	47.19	9.17
MEX075	747906	8320495	304.7	8.5	6.1	0.6	7.2	1.6	217	1.3	105.1	70.5	24.2	8.8	1.3	18.9	1.1	1.7	52.3	8.6	0.09	0.02	111.47	12.98

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX076	747855	8320490	1239.7	44.5	33.8	2.6	34.7	9.7	389.4	4.7	571.9	217.5	69.1	36.9	6.4	93.1	5.0	10.3	312.5	36.2	0.30	0.08	337.18	11.39
MEX077	747832	8320480	420.4	13.5	8.2	2.1	18.6	2.6	243.7	1.8	158.7	178.4	54.7	26.7	2.7	10.5	1.2	5.0	61.8	11.3	0.13	0.02	274.17	21.81
MEX078	747796	8320491	507	27.3	16.9	2.4	26.4	5.3	439.1	2.6	388.9	230	73.3	34.4	4.5	51.8	2.3	12.2	167.9	16.0	0.19	0.06	356.83	19.12
MEX079	747792	8320494	384.2	25.8	14.2	2.5	27.2	4.9	285.5	2.6	265.7	200.4	60.0	34.6	4.5	42.0	2.0	7.3	140.9	15.0	0.14	0.04	306.24	21.19
MEX080	747748	8320504	600.2	21.6	15.3	1.2	17.8	4.7	290	2.3	433	150.3	50.3	21.9	3.3	72.9	2.4	14.5	129.2	17.9	0.16	0.06	236.08	14.73
MEX081	747690	8320497	1459.1	69.5	28.3	10.7	113.9	11.9	1882.5	4.5	180.5	1164.1	360.3	159.1	14.9	20.5	3.8	2.7	307.8	30.2	**0.67**	0.03	1793.12	26.76
MEX082	747661	8320505	1536.2	63.5	26.4	7.7	92.5	10.7	954.3	3.0	151.4	742.7	214.5	117.2	12.5	24.8	3.1	5.2	269.8	19.9	0.49	0.02	1125.44	23.04
MEX083	747653	8320503	871.5	25.8	14.7	2.8	30.5	5.1	368.2	2.0	354.7	274.2	82.0	40.5	4.6	44.8	1.9	9.3	132.2	13.9	0.23	0.05	418.90	18.60
MEX084	747627	8320503	428	20.8	13.9	1.8	19.3	4.1	205.9	2.5	231.1	137.9	41.4	23.6	3.5	31.9	2.0	5.8	116.6	17.3	0.13	0.03	210.87	16.85
MEX085	747603	8320505	145.7	10.1	7.7	0.5	7.6	2.3	40.3	1.1	174.6	36.5	11.2	8.3	1.5	32.2	1.2	5.1	67.7	8.4	0.04	0.02	56.11	13.22
MEX086	747547	8320504	709	23.6	13.3	4.2	30.9	4.3	388	2.9	240.4	279.9	84.7	44.8	4.5	63.4	2.1	6.5	121.7	16.5	0.21	0.03	428.81	20.63
MEX087	747500	8320502	402.1	17.7	13.2	1.2	12.4	4.2	113.1	2.4	262.7	70.6	22.4	14.0	2.6	55.4	2.2	7.0	111.7	15.0	0.10	0.04	109.41	11.22
MEX088	747460	8320504	193.8	18.6	13.4	1.4	14.2	4.1	55.2	2.8	346.2	61.5	17.7	15.2	2.9	56.8	2.2	8.9	108.3	16.0	0.06	0.05	93.12	14.60
MEX089	747403	8320507	656.7	23.6	10.8	3.0	33.7	4.0	364.3	1.8	130.3	284.1	84.2	46.6	4.5	16.4	1.6	3.4	94.1	11.9	0.19	0.02	433.10	22.22
MEX090	747360	8320520	217.7	11.4	7.1	1.6	13.7	2.2	134.5	1.4	175.1	118.1	34.6	19.6	2.1	27.0	1.0	5.3	63.5	8.3	0.08	0.03	179.56	23.50
MEX091	749258	8320196	428	24.8	23.1	1.1	14.3	6.0	160	5.1	631	83.5	28.8	13.9	3.2	112.0	4.2	26.0	182.0	32.5	0.12	0.09	132.17	10.80
MEX092	749299	8320200	99.7	5.1	4.1	0.3	3.2	1.1	26.3	1.5	157	15.7	5.1	3.2	0.7	10.5	0.9	6.0	32.5	7.5	0.03	0.02	24.50	9.77
MEX093	749352	8320200	200	6.6	6.0	0.3	4.3	1.6	97.7	1.7	218	32.1	11.8	4.3	1.0	13.4	1.1	7.0	43.1	9.2	0.05	0.03	51.64	10.17
MEX094	749393	8320200	188	11.1	7.6	0.7	9.8	2.4	71.4	1.9	175	45.2	13.9	9.6	1.8	30.4	1.5	7.0	65.9	11.5	0.05	0.03	69.54	13.01
MEX095	749449	8320190	460	18.7	10.9	1.8	19.7	3.3	312	2.2	840	171	54.1	26.8	3.1	45.3	2.0	32.0	68.3	14.5	0.14	0.12	264.81	18.90
MEX096	749501	8320202	393	10.6	8.8	0.6	9.5	2.3	186	1.9	2609	107	37.6	13.3	1.6	21.5	1.5	70.0	62.8	11.0	0.10	0.37	170.22	16.67
MEX097	749551	8320199	535	11.1	6.8	1.1	13.0	2.0	245	1.5	1913	146	48.9	19.2	1.9	31.0	1.1	56.0	38.7	8.4	0.13	0.27	229.39	17.66
MEX098	749603	8320157	6182	256.0	163.0	19.1	259.0	50.6	2532	21.0	4183	1433	447.0	294.0	42.2	702.0	25.6	100.0	1348.0	165.0	**1.60**	**0.60**	2211.52	13.84
MEX099	749593	8320161	322	20.1	12.8	1.1	15.5	4.2	167	2.7	443	86.5	27.6	16.2	3.1	56.7	1.8	18.0	118.0	11.2	0.10	0.06	134.23	13.73
MEX100	749557	8320158	113	6.8	7.0	0.3	4.2	1.8	65.1	1.6	415	27.7	9.9	4.3	0.9	36.4	1.4	18.0	41.7	10.1	0.04	0.06	44.32	12.44
MEX101	749518	8320172	147	5.6	5.2	0.3	4.0	1.3	66.9	1.5	654	36.8	12.9	4.5	0.8	10.5	1.0	20.0	35.7	7.3	0.04	0.09	58.49	14.66
MEX102	749496	8320148	142	2.9	2.4	0.3	2.4	0.7	38.3	0.7	176	17	5.8	2.9	0.5	8.6	0.5	7.0	15.5	3.6	0.03	0.03	26.87	9.42
MEX103	749446	8320146	520	43.7	46.1	1.6	21.0	12.0	252	5.6	785	137	48.1	22.3	4.9	78.2	7.3	35.0	244.0	43.2	0.17	0.11	217.85	12.81
MEX104	749408	8320149	121	4.4	3.4	0.3	3.6	1.0	60.5	0.8	610	33.5	11.6	4.6	0.7	13.1	0.6	22.0	24.3	4.5	0.03	0.09	53.08	16.04
MEX105	749380	8320143	92.4	5.9	5.0	0.3	4.0	1.3	66	1.4	241	26.4	9.1	3.7	0.7	13.2	0.9	8.0	39.6	7.0	0.03	0.03	41.76	13.15
MEX106	749333	8320140	153	15.5	10.8	0.7	12.3	3.3	71.3	2.1	316	54.1	15.9	10.8	2.3	38.5	1.7	10.0	114.0	12.4	0.06	0.05	82.32	14.16
MEX107	749289	8320153	215	16.5	12.8	1.0	12.1	3.7	156	2.9	540	83	27.8	13.0	2.3	58.7	2.2	18.0	103.0	16.6	0.08	0.08	130.41	16.23
MEX108	749264	8320141	334	32.1	20.0	2.2	31.9	6.5	194	3.3	555	142	40.3	30.4	5.2	45.0	3.1	19.0	208.0	21.5	0.13	0.08	214.32	16.54
MEX109	749241	8320155	334	29.8	23.6	1.0	15.5	6.9	157	4.0	1020	78.6	26.9	13.0	3.6	30.5	3.8	36.0	228.0	26.5	0.12	0.15	124.17	10.75
MEX110	749698	8320099	592	38.8	21.9	3.7	47.8	6.9	389	3.9	901	274	80.2	54.2	7.1	114.0	3.6	27.0	164.0	24.5	0.21	0.13	416.49	20.29
MEX111	749652	8320098	532	19.2	12.9	1.7	21.0	3.8	241	2.5	1105	150	47.9	26.0	3.2	45.7	2.2	36.0	109.0	14.8	0.14	0.16	232.87	16.27
MEX112	749605	8320099	332	15.2	11.3	0.9	12.6	3.3	132	2.2	806	72.3	23.5	12.1	2.3	30.0	1.9	23.0	112.0	13.7	0.09	0.12	112.76	12.47

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX113	749551	8320105	148	7.2	4.9	0.5	6.2	1.5	71	0.9	373	36.4	12.2	6.0	1.1	17.0	0.7	12.0	44.7	5.3	0.04	0.05	57.14	13.66
MEX114	749501	8320097	260	12.1	9.8	0.5	7.0	2.7	66.2	1.7	288	36.5	12.6	6.5	1.6	18.9	1.6	11.0	78.2	11.3	0.06	0.04	57.77	9.36
MEX116	749451	8320093	170	28.2	30.4	0.7	11.1	7.9	68.9	5.4	563	43.2	14.4	9.5	3.1	75.6	5.5	23.0	211.0	36.2	0.08	0.08	67.79	8.65
MEX117	749351	8320096	327	22.0	15.8	1.1	16.5	4.8	166	2.9	505	90.3	28.6	15.2	3.1	42.9	2.5	17.0	177.0	17.8	0.11	0.07	139.82	12.97
MEX118	749300	8320093	372	35.0	19.1	2.4	37.0	6.7	263	2.9	412	180	51.3	32.2	5.9	33.2	2.7	12.0	251.0	17.7	0.15	0.06	271.96	17.64
MEX119	749249	8320095	354	13.7	12.4	0.9	8.8	3.4	143	1.8	469	72.6	25.8	10.8	1.6	70.6	2.0	17.0	91.5	12.8	0.09	0.07	115.82	12.69
MEX120	749204	8320098	215	10.1	7.8	0.5	6.1	2.3	74.8	1.8	373	41.1	13.9	6.3	1.3	57.9	1.3	13.0	68.0	9.6	0.06	0.05	64.72	11.62
MEX121	749204	8320049	127	13.4	13.2	0.4	6.3	3.6	72.1	2.4	425	40.6	13.7	6.1	1.6	42.4	2.3	16.0	96.1	15.8	0.05	0.06	63.85	12.74
MEX122	749250	8320049	251	27.3	16.6	2.7	33.4	5.2	381	3.1	376	224	70.2	37.4	4.8	38.6	2.6	13.0	201.0	18.8	0.15	0.05	346.11	22.60
MEX123	749304	8320049	133	8.5	6.8	0.5	6.2	1.9	71.5	2.0	784	37.9	12.3	6.7	1.2	43.0	1.4	25.0	47.3	10.4	0.04	0.11	59.12	14.12
MEX124	749340	8320053	136	6.6	5.7	0.2	3.6	1.6	21.9	1.4	311	14.7	4.5	3.1	0.8	32.6	1.1	8.0	44.7	7.9	0.03	0.04	22.57	7.31
MEX125	749410	8320031	275	17.1	14.3	1.0	14.6	4.0	183	3.5	589	94.7	30.5	14.6	2.5	37.3	2.6	17.0	131.0	19.9	0.10	0.08	147.25	15.12
MEX126	749452	8320048	73.7	3.9	2.1	0.3	4.2	0.7	52.1	0.6	147	26.5	8.2	4.4	0.7	8.4	0.4	7.0	19.6	2.6	0.02	0.02	40.85	17.01
MEX127	749500	8320040	344	56.1	34.6	5.6	64.9	10.7	437	5.2	691	316	91.8	70.6	9.9	79.5	5.4	27.0	318.0	36.4	0.22	0.10	479.43	22.17
MEX128	749544	8320039	192	22.5	11.1	2.9	34.4	3.7	207	1.7	264	180	51.4	43.0	4.6	34.8	1.9	10.0	103.0	11.6	0.10	0.04	272.05	26.17
MEX129	749578	8320026	355	7.5	3.8	0.7	10.3	1.3	183	1.0	2111	102	36.0	13.0	1.5	13.2	0.7	60.0	42.6	4.8	0.09	0.30	162.52	17.69
MEX130	749651	8320050	309	27.5	16.0	1.8	27.1	5.3	151	2.4	391	103	30.1	23.7	4.5	68.4	2.5	15.0	147.0	15.9	0.10	0.06	156.54	14.97
MEX131	749695	8320050	301	15.2	10.5	1.2	14.3	3.2	148	2.3	287	90.3	29.1	17.0	2.5	45.9	1.9	8.0	96.8	13.7	0.09	0.04	140.50	15.60
MEX132	749695	8320050	67.5	7.8	8.7	0.3	4.6	2.1	22	2.9	131	18.6	5.7	4.1	1.0	14.5	1.8	5.0	71.1	15.3	0.03	0.02	28.62	10.11
MEX133	749748	8320048	887	21.2	15.0	1.8	27.2	4.2	459	3.3	2578	246	82.6	34.6	3.7	42.5	2.7	95.0	128.0	20.1	0.23	0.37	386.76	16.59
MEX134	749793	8320043	280	36.5	25.1	1.5	29.2	7.8	129	3.4	456	121	32.9	26.2	5.3	77.9	3.8	13.0	227.0	24.5	0.12	0.07	180.84	15.70
MEX135	749802	8320001	929	99.1	73.5	4.1	71.1	22.0	402	10.9	1974	304	87.9	61.7	13.5	263.0	11.6	67.0	667.0	75.9	0.34	0.28	460.80	13.44
MEX136	749777	8319994	433	33.3	19.3	1.9	35.6	6.5	336	2.9	398	205	60.8	33.5	5.4	29.0	2.8	14.0	239.0	18.0	0.17	0.06	312.51	18.12
MEX137	749741	8320003	1351	138.0	88.7	6.5	113.0	28.1	667	12.3	2622	501	148.0	106.0	21.1	583.0	13.9	87.0	717.0	89.9	0.48	0.38	763.18	15.82
MEX138	749706	8320006	604	24.8	20.1	1.2	17.0	5.7	274	3.2	918	140	48.3	19.0	3.3	71.5	3.3	37.0	143.0	21.9	0.16	0.13	221.65	13.82
MEX139	749685	8320007	334	23.4	16.7	1.1	16.5	5.1	161	3.7	358	90.7	28.7	15.8	3.3	59.2	3.1	12.0	117.0	23.0	0.10	0.05	140.48	13.82
MEX141	749645	8319999	9594	740.0	542.0	33.5	522.0	167.0	4686	50.8	5245	2768	775.0	507.0	102.0	>1000	78.1	280.0	5622.0	446.0	**3.22**	**0.75**	4164.95	12.92
MEX142	749593	8320007	191	12.6	10.4	0.6	7.4	2.9	64.1	1.8	249	42.6	12.6	7.2	1.6	74.9	1.6	8.0	77.3	10.9	0.05	0.04	64.94	12.06
MEX143	749541	8320003	76.4	6.9	6.9	0.3	4.0	1.8	51.4	2.2	124	21.9	6.8	3.6	0.8	31.2	1.3	4.0	50.5	9.8	0.03	0.02	33.80	11.46
MEX144	749502	8320005	186	27.9	23.3	0.7	12.9	6.8	66.7	3.8	205	44.5	12.6	8.2	3.4	81.4	3.7	12.0	210.0	25.2	0.08	0.03	67.15	8.68
MEX145	749417	8320009	181	13.5	8.7	0.9	12.4	2.8	133	1.9	233	84.2	23.5	13.1	2.1	35.0	1.4	7.0	92.0	9.8	0.07	0.03	126.65	18.13
MEX146	749403	8320005	327	16.7	10.2	1.1	18.3	3.3	233	1.8	216	135	36.9	18.2	2.7	24.6	1.5	8.0	116.0	10.6	0.11	0.03	202.01	18.02
MEX147	749339	8319998	208	43.9	39.1	1.1	20.2	11.3	125	4.8	476	76.5	22.4	15.6	5.0	73.0	5.7	18.0	424.0	34.6	0.13	0.07	116.28	9.19
MEX148	749303	8319993	377	15.7	11.2	1.4	16.5	3.3	258	2.4	413	143	41.8	20.6	2.6	53.0	2.1	17.0	92.0	15.0	0.12	0.06	217.32	18.05
MEX149	749249	8319993	318	19.4	10.2	1.9	24.6	3.6	223	1.7	204	164	44.9	25.1	3.7	25.8	1.6	7.0	123.0	10.3	0.12	0.03	245.53	20.96
MEX150	749199	8320003	118	11.9	9.6	0.7	8.7	2.8	94.3	2.0	229	58.4	16.9	8.8	1.6	34.9	1.6	8.0	94.9	10.9	0.05	0.03	88.57	16.65
MEX151	749203	8319945	343	23.9	13.5	1.8	26.5	4.6	252	2.2	223	169	45.0	26.2	4.1	29.3	1.9	8.0	175.0	13.0	0.13	0.03	251.50	18.97

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX152	749250	8319949	399	19.4	13.1	1.2	19.8	3.8	358	3.0	1153	193	58.0	24.3	3.1	59.4	2.3	49.0	125.0	16.6	0.15	0.16	295.18	19.86
MEX153	749302	8319948	222	16.1	11.9	0.9	12.4	3.5	82.7	3.2	219	67.9	17.9	11.2	2.3	31.6	2.0	7.0	127.0	14.4	0.07	0.03	100.81	13.98
MEX154	749344	8319945	274	10.4	7.5	0.8	9.1	2.2	140	1.4	985	72.1	24.3	9.7	1.6	57.3	1.3	28.0	73.3	7.6	0.08	0.14	113.44	14.80
MEX155	749401	8319950	274	6.8	5.4	0.4	5.7	1.4	180	1.4	188	58.5	19.3	6.5	1.0	20.9	0.9	6.0	48.0	6.7	0.07	0.03	91.58	12.34
MEX156	749447	8319946	238	12.2	9.8	0.6	8.3	2.9	144	2.1	298	68	20.6	9.2	1.6	149.0	1.7	12.0	86.0	12.3	0.07	0.04	104.22	14.00
MEX157	749499	8319948	246	12.1	10.6	0.5	6.9	3.0	92.5	2.2	339	40.9	12.8	5.8	1.5	33.0	1.9	12.0	99.2	13.2	0.07	0.05	63.22	9.49
MEX158	749546	8319948	159	18.1	18.0	0.5	8.1	4.9	113	3.3	541	50.5	16.1	7.0	2.1	48.7	3.1	21.0	157.0	22.2	0.07	0.08	78.31	11.10
MEX159	749600	8319950	622	16.7	8.7	1.6	23.5	2.7	403	1.8	491	220	65.7	28.1	3.2	45.1	1.4	13.0	104.0	10.1	0.18	0.07	336.00	18.49
MEX160	749649	8319951	63.2	3.0	3.2	0.2	1.9	0.8	21.9	1.2	172	15.1	4.1	2.2	0.4	21.5	0.7	5.0	26.2	5.2	0.02	0.02	22.61	12.52
MEX161	749701	8319947	303	21.1	13.1	1.1	15.7	4.0	173	2.4	1073	109	33.6	16.7	3.0	32.9	2.0	33.0	132.0	14.7	0.10	0.15	167.72	16.47
MEX162	749750	8319952	407	22.1	22.0	1.0	15.1	5.5	152	4.7	932	100	28.4	15.9	3.0	46.6	4.0	30.0	180.0	29.7	0.12	0.13	150.94	12.59
MEX163	749800	8319949	248	23.8	16.0	1.0	20.3	5.1	139	2.6	370	107	28.7	18.3	3.6	53.5	2.5	10.0	171.0	16.4	0.10	0.05	159.48	16.44
MEX164	749845	8319949	215	25.1	18.6	1.1	20.9	5.5	137	3.2	341	104	27.7	18.9	3.7	20.9	3.0	10.0	175.0	20.9	0.09	0.05	154.72	16.45
MEX166	749198	8319899	472	25.4	15.4	1.3	26.2	5.0	318	2.5	384	180	50.8	26.2	4.3	64.6	2.5	10.0	189.0	16.4	0.16	0.05	271.32	16.87
MEX167	749246	8319901	140	10.5	8.6	0.6	7.9	2.4	121	1.8	235	63.1	18.5	8.8	1.5	25.3	1.6	8.0	78.1	11.5	0.06	0.03	95.94	16.76
MEX168	749292	8319896	250	14.1	11.2	0.6	10.2	3.4	173	2.4	319	75.3	23.6	9.8	2.1	39.4	1.9	10.0	109.0	14.0	0.08	0.05	116.28	13.77
MEX169	749348	8319897	33.9	2.0	2.1	0.1	2.1	0.5	26.9	1.2	53	18	4.8	2.5	0.3	3.5	0.5	1.0	18.0	5.1	0.01	0.01	26.76	18.90
MEX170	749362	8319895	221	11.9	7.6	0.8	11.6	2.4	148	1.8	146	77.3	21.9	11.4	1.9	23.1	1.3	4.0	81.9	10.2	0.07	0.02	116.61	15.85
MEX171	749403	8319884	75	5.6	4.7	0.3	4.1	1.3	37.8	1.4	64	24.1	6.7	4.1	0.8	16.2	0.9	3.0	39.6	7.2	0.03	0.01	36.22	14.06
MEX172	749445	8319895	160	6.1	4.7	0.4	4.9	1.3	103	1.2	145	40.7	12.5	5.0	0.9	18.2	0.8	5.0	45.1	6.4	0.05	0.02	62.59	13.22
MEX173	749495	8319901	306	5.7	4.8	0.4	5.0	1.3	149	1.2	250	54.1	17.4	6.1	0.9	23.1	0.9	7.0	38.2	6.7	0.07	0.04	84.10	11.66
MEX174	749548	8319901	145	5.5	3.6	0.4	5.6	1.1	107	0.9	116	45.2	13.7	6.2	0.9	18.8	0.7	4.0	38.6	5.2	0.05	0.02	69.21	15.17
MEX175	749605	8319892	239	10.2	6.5	0.7	9.7	1.9	110	1.3	1281	73.9	22.8	11.4	1.7	30.8	1.0	60.0	61.8	7.8	0.07	0.18	113.70	16.85
MEX176	749648	8319898	119	3.3	2.6	0.3	3.3	0.7	42.7	1.0	310	29.7	8.6	4.2	0.6	8.3	0.5	10.0	19.6	4.7	0.03	0.04	44.97	15.48
MEX177	749709	8319897	523	30.8	20.1	1.7	27.0	6.4	329	2.9	592	162	47.6	25.6	4.7	48.5	3.0	19.0	200.0	19.2	0.17	0.08	246.42	14.57
MEX178	749753	8319903	463	31.0	22.1	2.3	30.2	6.5	392	3.3	709	237	68.1	35.9	4.8	85.9	3.6	23.0	186.0	23.9	0.18	0.10	358.65	19.80
MEX179	749811	8319896	331	11.7	7.0	0.8	11.0	2.2	193	1.7	1367	100	33.7	13.4	1.7	24.9	1.3	52.0	73.4	9.4	0.10	0.20	157.34	16.52
MEX180	749851	8319898	399	25.1	15.4	1.3	24.4	5.0	195	2.8	441	148	40.6	24.8	4.1	37.6	2.4	20.0	153.0	16.6	0.13	0.06	221.62	17.38
MEX181	749899	8319897	391	12.8	8.2	0.8	15.3	2.4	228	1.9	804	145	42.0	20.7	2.2	58.7	1.4	48.0	64.0	10.5	0.11	0.12	219.91	19.35
MEX182	749948	8319849	476	37.1	16.6	4.1	52.5	6.2	519	2.1	149	369	97.8	54.5	7.0	19.0	2.2	5.0	196.0	14.4	0.22	0.02	548.50	24.74
MEX183	749926	8319847	201	11.8	7.0	2.4	13.5	2.3	132	1.1	172	84	23.0	13.0	2.0	22.3	1.1	5.0	79.7	7.0	0.07	0.02	125.75	17.99
MEX184	749891	8319837	19.7	0.9	0.5	0.7	0.9	0.2	14.3	0.1	23	7.7	2.0	1.2	0.1	2.0	0.1	1.0	9.4	0.3	0.01	0.00	11.45	16.29
MEX185	749853	8319848	449	16.2	15.8	0.9	13.9	3.9	207	3.7	1551	128	41.4	15.8	2.4	28.5	3.0	56.0	135.0	23.0	0.13	0.22	199.32	15.59
MEX186	749811	8319849	272	17.1	12.5	1.0	16.1	3.5	156	2.6	383	113	30.4	18.0	2.7	42.5	2.3	17.0	95.5	16.5	0.09	0.05	168.53	18.46
MEX187	749740	8319849	1127	20.6	14.8	1.2	19.7	4.4	781	3.0	910	217	75.2	21.5	3.3	112.0	2.5	41.0	142.0	18.6	0.30	0.13	343.92	11.66
MEX188	749707	8319847	400	13.1	11.5	0.6	10.0	3.1	162	2.6	274	88.1	27.7	11.6	1.9	55.3	2.0	9.0	79.6	14.7	0.10	0.04	136.25	13.62
MEX189	749654	8319845	403	11.6	6.9	0.7	10.7	2.3	199	1.5	1726	109	35.2	13.1	1.8	30.6	1.1	70.0	66.5	8.5	0.10	0.25	169.61	16.16

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX191	749608	8319852	245	13.2	11.0	0.6	11.3	3.0	135	2.5	387	78.4	26.2	12.5	1.9	40.9	2.0	17.0	76.0	14.5	0.08	0.06	123.05	16.15
MEX192	749550	8319846	659	26.7	22.2	1.3	18.3	6.1	282	4.3	2917	158	55.4	20.7	3.6	50.9	3.9	97.0	197.0	27.7	0.18	0.42	251.18	13.98
MEX193	749495	8319842	151	5.7	5.1	0.2	2.9	1.4	93.6	1.4	152	24.7	9.4	2.9	0.7	18.8	0.9	6.0	43.3	7.0	0.04	0.02	40.16	9.50
MEX194	749458	8319839	206	17.6	12.0	0.8	13.9	3.6	118	2.1	262	74.7	23.0	14.4	2.6	50.6	1.8	11.0	108.0	13.4	0.07	0.04	114.86	15.57
MEX195	749430	8319838	98.7	6.5	5.7	0.2	3.4	1.6	66.3	1.4	158	24.1	8.5	2.7	0.8	22.7	1.1	6.0	44.1	7.8	0.03	0.02	38.42	11.67
MEX196	749398	8319834	85.9	4.2	4.5	0.2	2.5	1.2	44.4	1.4	206	18.2	6.5	2.5	0.5	26.5	1.0	7.0	32.1	7.2	0.03	0.03	29.12	11.36
MEX197	749349	8319847	390	9.2	5.8	0.6	11.0	1.8	222	1.4	147	101	33.6	13.8	1.7	18.7	0.9	4.0	57.4	6.6	0.10	0.02	158.44	15.36
MEX198	749295	8319851	195	10.6	6.9	0.7	12.3	2.1	131	1.7	147	85.7	25.0	13.9	1.7	14.2	1.2	5.0	77.4	9.0	0.07	0.02	130.18	18.85
MEX199	749241	8319842	286	36.3	17.8	3.5	53.8	6.4	522	2.7	198	361	99.2	57.9	6.9	16.9	2.5	7.0	280.0	16.1	0.21	0.03	540.89	25.82
MEX200	749203	8319838	113	9.0	8.3	0.3	4.8	2.2	58.8	2.6	311	35.8	11.7	5.3	1.2	27.6	1.6	11.0	68.8	13.5	0.04	0.04	55.83	13.72
MEX201	749201	8319802	192	13.9	9.0	1.2	16.7	2.5	180	2.5	300	125	39.7	21.0	2.3	28.2	1.6	10.0	88.0	13.3	0.08	0.04	193.72	22.82
MEX202	749250	8319797	463	41.2	18.4	3.9	57.0	7.0	491	2.4	229	362	104.0	62.1	7.7	26.4	2.4	8.0	247.0	15.7	0.23	0.03	547.89	24.27
MEX203	749300	8319801	261	15.9	8.3	1.4	19.7	2.9	181	1.3	142	129	37.4	22.1	2.8	13.7	1.2	5.0	96.4	8.1	0.09	0.02	195.63	20.65
MEX204	749344	8319796	349	10.2	6.9	0.6	10.7	2.1	142	1.5	180	76.7	24.3	11.8	1.6	27.2	1.2	6.0	60.7	9.2	0.09	0.03	118.81	13.89
MEX205	749399	8319800	358	23.0	14.6	1.3	24.4	4.6	268	3.0	423	171	53.9	28.2	3.7	47.3	2.5	14.0	138.0	17.9	0.13	0.06	264.55	19.81
MEX206	749450	8319803	365	13.4	11.3	0.6	8.6	3.1	84.7	2.9	319	52.1	16.6	9.6	1.9	59.0	2.0	9.0	83.2	15.6	0.08	0.05	80.80	9.94
MEX207	749502	8319802	92.9	1.7	1.4	0.1	1.3	0.4	51.6	0.7	67	15	5.2	1.6	0.2	8.6	0.4	2.0	12.2	2.9	0.02	0.01	23.80	10.52
MEX208	749544	8319798	87.6	5.3	4.0	0.2	3.2	1.2	30.5	0.9	96	15.4	4.8	2.5	0.7	8.4	0.7	3.0	44.6	5.2	0.03	0.01	23.70	9.44
MEX209	749600	8319799	482	4.6	4.2	0.2	3.1	1.1	54.5	1.2	377	22.4	8.6	3.4	0.7	22.0	0.7	11.0	41.2	5.9	0.08	0.05	36.51	4.72
MEX210	749646	8319799	211	11.7	8.1	0.5	9.4	2.4	75.8	1.9	223	53.4	17.1	10.0	1.7	27.2	1.4	5.0	69.6	11.1	0.06	0.03	82.99	14.16
MEX211	749698	8319798	512	28.8	16.8	2.5	36.6	5.4	536	3.1	914	325	104.0	46.7	5.1	103.0	2.7	31.0	171.0	20.1	0.22	0.13	504.73	23.23
MEX212	749750	8319800	301	16.2	11.6	0.8	13.1	3.6	133	1.9	688	76.6	24.4	12.9	2.2	42.1	1.8	25.0	120.0	12.1	0.09	0.10	118.81	13.43
MEX213	749794	8319794	309	39.5	17.4	4.8	64.2	6.5	845	3.1	278	514	159.0	79.2	7.9	23.0	2.5	9.0	289.0	18.5	0.28	0.04	791.63	28.17
MEX214	749856	8319794	688	19.8	11.4	1.5	24.7	3.7	385	1.7	4272	230	78.2	31.4	3.5	35.5	1.7	122.0	103.0	11.2	0.19	**0.61**	362.74	18.92
MEX216	749904	8319800	161	5.1	3.1	0.3	5.4	1.0	84.7	0.8	829	50.3	17.1	6.5	0.8	10.1	0.6	31.0	32.9	4.0	0.04	0.12	79.31	17.63
MEX217	749945	8319800	204	10.5	7.4	0.7	10.2	2.3	123	1.4	466	73.7	23.7	11.2	1.6	43.0	1.2	17.0	70.9	9.0	0.07	0.07	114.63	17.28
MEX218	750002	8319803	372	26.0	17.2	1.6	23.2	5.2	190	2.9	348	136	40.9	24.9	3.9	78.0	2.6	8.0	176.0	18.2	0.13	0.05	208.02	16.56
MEX219	749251	8319745	343	17.3	9.4	1.4	21.6	3.3	167	1.4	190	119	33.8	21.4	3.1	21.6	1.3	7.0	118.0	9.0	0.10	0.03	179.68	17.12
MEX220	749302	8319752	330	13.6	7.4	1.3	17.5	2.6	242	1.3	160	135	43.6	18.4	2.4	21.0	1.2	5.0	98.0	7.8	0.11	0.02	210.15	18.96
MEX221	749363	8319754	47.8	1.9	2.0	0.2	2.1	0.5	14	1.1	58	13.7	3.7	2.6	0.3	2.4	0.4	1.0	14.2	4.6	0.01	0.01	20.47	15.56
MEX222	749394	8319752	158	6.6	5.8	0.2	3.6	1.5	49.1	1.6	145	17.9	6.2	3.3	0.8	19.8	1.0	6.0	59.3	7.7	0.04	0.02	28.39	7.24
MEX223	749452	8319745	434	19.2	11.7	1.2	22.1	3.6	261	2.6	366	158	49.3	24.9	3.3	37.1	2.0	11.0	121.0	14.4	0.14	0.05	243.87	17.97
MEX224	749495	8319747	88.2	8.4	8.1	0.2	4.0	2.1	56.8	1.8	290	26.1	8.8	3.4	0.9	23.5	1.4	10.0	78.7	10.4	0.04	0.04	41.06	11.33
MEX225	749552	8319749	128	4.2	3.2	0.3	4.1	0.9	90.9	1.0	54	36.6	12.7	5.0	0.7	7.6	0.6	1.0	28.9	4.9	0.04	0.01	57.99	14.98
MEX226	749600	8319750	71.7	6.4	4.9	0.2	3.7	1.4	17.3	1.3	168	12.6	3.8	2.8	0.8	13.0	0.8	5.0	51.5	6.6	0.02	0.02	19.23	8.50
MEX227	749650	8319750	95.3	8.5	5.6	0.5	7.7	1.8	77.7	1.3	151	46.8	14.6	8.1	1.3	10.9	1.0	5.0	63.9	6.9	0.04	0.02	72.18	17.58
MEX228	749700	8319750	428	32.5	17.2	2.7	41.4	6.1	358	2.6	288	235	66.0	39.3	5.9	29.3	2.4	9.0	217.0	16.1	0.18	0.04	353.89	20.04

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX229	749750	8319750	798	26.4	14.9	2.1	32.6	5.1	471	2.4	306	251	77.9	33.9	4.5	34.2	2.1	9.0	186.0	14.2	0.23	0.04	386.85	16.71
MEX230	749800	8319750	235	7.0	5.0	0.5	6.9	1.4	91.4	1.3	1733	69.6	22.0	9.6	1.1	25.4	0.9	59.0	44.4	7.1	0.06	0.25	107.75	17.76
MEX231	749850	8319750	178	18.1	13.3	0.7	12.5	3.8	75.9	1.9	225	54.4	15.9	11.1	2.6	73.0	2.1	9.0	106.0	14.2	0.06	0.03	82.64	13.39
MEX232	749900	8319750	361	18.1	12.8	1.3	19.7	3.8	190	2.6	763	128	38.9	20.8	2.9	57.3	2.2	24.0	121.0	15.5	0.11	0.11	196.27	17.36
MEX233	749947	8319753	717	36.3	19.4	2.4	46.3	6.5	607	3.2	489	355	108.0	51.2	6.3	71.9	3.0	18.0	230.0	21.0	0.27	0.07	544.56	20.52
MEX234	750000	8319750	273	6.7	4.1	0.6	9.7	1.2	149	0.9	1071	93	30.1	12.6	1.2	24.9	0.8	37.0	34.6	5.9	0.07	0.15	144.89	19.34
MEX235	749305	8319699	616	29.8	14.6	2.7	39.7	5.2	480	2.1	280	289	87.5	43.0	5.6	31.7	2.1	9.0	175.0	13.8	0.22	0.04	442.80	20.43
MEX236	749350	8319695	189	22.0	9.3	2.8	31.6	3.4	311	1.4	196	259	81.0	43.8	4.3	16.9	1.3	5.0	93.8	9.7	0.13	0.03	399.93	31.61
MEX237	749400	8319704	608	44.9	18.8	4.5	68.6	7.2	803	2.3	218	507	152.0	75.9	8.7	27.1	2.4	7.0	246.0	16.0	0.31	0.03	775.01	25.30
MEX238	749450	8319701	420	29.9	10.8	3.7	46.8	4.3	652	1.5	161	427	136.0	63.3	6.1	15.2	1.5	5.0	129.0	9.9	0.23	0.02	662.37	28.65
MEX239	749500	8319706	58.4	4.5	3.8	0.2	3.0	1.1	22.6	1.2	132	14.9	4.9	2.9	0.6	17.7	0.7	4.0	31.5	6.1	0.02	0.02	23.32	12.33
MEX241	749544	8319695	220	12.0	8.1	0.7	10.5	2.6	69.1	2.0	211	50.3	15.3	9.4	2.0	31.4	1.4	8.0	72.4	10.7	0.06	0.03	77.14	13.11
MEX242	749600	8319700	182	22.0	12.3	1.7	23.4	4.3	204	2.2	168	135	40.7	21.1	3.6	21.1	1.9	6.0	150.0	12.9	0.10	0.02	206.59	21.06
MEX243	749650	8319700	168	21.3	12.1	1.7	21.7	4.1	194	2.1	176	124	38.2	19.9	3.4	21.5	1.8	6.0	146.0	12.2	0.09	0.03	190.75	20.62
MEX244	749700	8319700	90	8.6	6.5	0.5	7.3	1.8	59	2.0	126	43.3	13.4	8.0	1.3	15.2	1.2	3.0	54.2	9.7	0.04	0.02	66.74	18.08
MEX245	749750	8319700	1023	29.7	19.0	1.7	32.1	5.8	499	3.6	790	280	90.1	38.6	4.8	102.0	3.3	27.0	190.0	23.0	0.27	0.11	435.50	16.10
MEX246	749800	8319700	2509	44.1	21.3	4.1	57.9	7.5	1532	2.2	505	532	190.0	68.9	8.3	179.0	2.9	17.0	246.0	16.3	**0.63**	0.07	850.08	13.47
MEX247	749850	8319700	470	24.2	17.7	1.1	23.2	5.1	222	3.3	679	143	44.9	24.0	3.7	82.7	2.9	29.0	159.0	21.2	0.14	0.10	221.02	15.72
MEX248	749900	8319700	2234	42.9	25.5	3.3	59.4	8.2	917	6.0	2246	533	174.0	74.7	8.6	83.4	4.5	99.0	223.0	34.8	**0.52**	0.32	831.92	15.87
MEX249	749950	8319700	814	12.9	6.3	1.3	17.2	2.1	354	1.4	4409	210	75.1	25.6	2.4	28.4	1.0	122.0	57.2	7.5	0.19	**0.63**	335.68	17.55
MEX250	750000	8319700	918	46.0	32.6	2.1	42.9	9.7	438	6.3	1206	282	88.9	44.6	7.2	138.0	5.5	54.0	303.0	40.3	0.27	0.17	436.37	15.96
MEX251	750050	8319700	867	20.8	14.9	1.4	22.7	4.3	426	3.6	3097	214	74.9	26.8	3.5	41.3	2.6	75.0	137.0	20.1	0.22	0.44	340.09	15.34
MEX252	749351	8319661	355	46.0	23.2	4.2	62.0	8.5	429	3.2	258	315	85.9	54.5	8.3	26.1	3.1	7.0	324.0	20.1	0.21	0.04	471.25	22.54
MEX253	749400	8319653	760	13.8	6.0	1.5	22.4	2.1	411	1.5	99	211	69.7	27.0	2.8	10.8	0.9	1.0	69.0	7.8	0.19	0.01	330.30	17.09
MEX254	749450	8319652	860	21.1	15.7	1.4	22.8	4.3	422	3.5	2891	212	74.6	27.1	3.7	34.0	2.6	74.0	136.0	19.7	0.22	0.41	337.42	15.33
MEX255	749500	8319654	135	6.0	5.7	0.3	3.8	1.6	65.6	1.4	164	23.8	8.5	3.8	0.8	32.7	1.0	5.0	47.3	7.5	0.04	0.02	37.99	10.07
MEX256	749550	8319650	1228	40.1	22.6	2.9	42.5	7.6	452	3.4	547	290	91.6	44.7	6.6	67.6	3.4	19.0	233.0	22.4	0.30	0.08	448.92	14.92
MEX257	749600	8319650	597	6.6	4.3	0.7	9.8	1.1	364	1.8	409	146	53.4	13.6	1.3	13.4	0.9	12.0	34.4	9.0	0.15	0.06	234.81	15.71
MEX258	749650	8319650	2.3	0.0	0.0	0.0	0.1	0.0	1.2	0.1	68	0.7	0.2	0.2	0.0	1.4	0.0	3.0	4.0	0.1	0.00	0.01	1.07	9.74
MEX259	749700	8319650	361	11.8	6.4	1.0	15.7	2.3	306	1.4	680	125	42.5	16.2	2.1	36.7	1.0	23.0	67.9	7.6	0.12	0.10	197.20	16.98
MEX260	749750	8319650	340	7.9	5.8	0.6	8.0	1.5	137	1.5	1371	83.1	29.4	11.2	1.3	32.5	1.1	58.0	34.7	8.7	0.08	0.20	132.47	16.36
MEX261	749797	8319647	300	6.4	4.2	0.5	6.9	1.2	122	1.4	1020	69.2	23.7	8.8	1.0	25.0	0.9	34.0	29.6	7.3	0.07	0.15	109.37	15.56
MEX262	749850	8319650	154	3.1	2.8	0.2	2.8	0.8	56.9	0.9	229	21.8	8.1	3.1	0.5	11.3	0.5	7.0	25.2	3.7	0.03	0.03	35.19	10.23
MEX263	749900	8319650	1351	70.8	44.5	4.4	68.3	14.5	582	6.6	1307	380	116.0	71.7	11.7	191.0	7.1	48.0	422.0	47.1	0.39	0.19	583.38	15.11
MEX264	749950	8319650	1199	140.0	122.0	6.9	110.0	32.9	610	20.9	2500	505	152.0	110.0	19.7	823.0	20.5	56.0	888.0	147.0	0.49	0.36	772.68	15.68
MEX266	750000	8319650	472	47.4	41.7	1.4	26.2	11.3	133	12.5	1021	85.1	28.7	18.0	5.8	37.6	8.6	33.0	401.0	76.1	0.17	0.15	133.90	8.05
MEX267	750050	8319650	480	19.5	15.2	1.5	21.7	4.3	298	3.7	1019	158	51.5	22.0	3.3	28.9	2.7	26.0	154.0	21.1	0.15	0.15	246.45	16.29

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX268	750100	8319650	389	22.4	23.5	1.4	20.2	5.7	234	6.7	1884	146	48.4	20.8	3.1	17.8	4.7	49.0	227.0	38.1	0.14	0.27	228.77	15.92
MEX269	749400	8319606	500	19.9	15.9	1.5	22.5	4.5	311	3.8	1034	166	53.5	23.1	3.4	26.1	2.9	28.0	152.0	22.2	0.16	0.15	258.25	16.47
MEX270	749450	8319608	1186	135.0	45.6	17.8	253.0	19.1	3089	6.5	766	2044	622.0	311.0	30.1	53.2	6.0	28.0	693.0	41.9	**1.01**	0.11	3135.62	31.06
MEX271	749500	8319603	77.4	5.5	4.5	0.3	4.8	1.2	38.4	1.4	137	26.4	8.2	4.7	0.8	16.8	0.9	4.0	42.9	6.6	0.03	0.02	40.68	15.04
MEX272	749550	8319600	488	12.3	7.9	0.9	14.4	2.4	321	1.9	389	137	48.5	16.6	2.1	28.2	1.4	14.0	75.9	10.4	0.14	0.06	218.43	15.93
MEX273	749600	8319600	127	8.9	7.2	0.4	5.8	2.0	31.9	2.5	144	22	7.0	4.8	1.3	15.9	1.3	5.0	63.7	9.7	0.04	0.02	34.12	9.51
MEX274	749650	8319600	144	3.2	2.7	0.3	3.7	0.6	53.4	1.1	134	30.1	9.9	4.3	0.5	6.4	0.5	5.0	20.1	5.2	0.03	0.02	47.06	13.94
MEX275	749700	8319600	347	13.1	9.2	1.0	13.0	2.8	166	2.1	667	92.8	30.6	14.2	2.2	33.5	1.6	25.0	82.3	11.6	0.10	0.10	145.16	15.25
MEX276	749750	8319600	81.6	2.3	2.3	0.1	1.8	0.5	33.9	1.1	166	15.3	5.4	2.0	0.3	6.4	0.5	6.0	16.4	4.6	0.02	0.02	24.31	11.98
MEX277	749800	8319600	978	45.0	25.9	3.4	54.3	8.4	768	3.9	803	400	129.0	58.2	8.0	80.1	4.0	31.0	303.0	26.6	0.34	0.11	622.42	18.40
MEX278	749850	8319600	703	30.2	22.7	1.8	26.2	6.6	289	4.6	1834	169	54.7	26.0	4.6	62.2	3.9	53.0	226.0	28.1	0.19	0.26	263.15	13.63
MEX279	749900	8319600	846	18.4	12.3	1.2	18.6	3.8	248	2.5	1759	150	51.2	22.1	3.0	65.4	2.0	67.0	109.0	15.5	0.18	0.25	236.77	13.01
MEX280	749950	8319600	928	20.8	14.4	1.3	20.4	4.2	280	2.7	2010	163	56.4	24.2	3.5	76.5	2.3	73.0	122.0	16.6	0.20	0.29	258.23	12.86
MEX281	750000	8319600	256	24.7	16.2	1.9	24.2	5.2	164	3.3	343	120	35.5	23.2	3.9	70.2	3.0	10.0	159.0	18.8	0.10	0.05	182.83	17.67
MEX282	750050	8319600	224	10.4	11.2	0.5	9.6	2.7	138	3.5	1000	81	27.4	9.5	1.6	18.4	2.2	27.0	103.0	19.1	0.08	0.14	127.52	16.44
MEX283	750100	8319600	302	22.6	31.8	0.6	10.7	7.0	133	9.6	1579	72.3	25.8	9.5	2.4	14.1	6.5	45.0	271.0	54.3	0.12	0.23	115.50	9.92
MEX284	749450	8319554	941	41.3	16.8	4.3	58.8	6.7	582	2.4	218	398	123.0	61.6	8.0	28.1	2.3	5.0	226.0	15.5	0.30	0.03	612.84	20.50
MEX285	749500	8319551	944	40.5	17.5	4.2	62.9	6.5	893	2.9	530	506	159.0	67.0	8.1	44.5	2.5	18.0	219.0	18.0	0.35	0.08	782.30	22.15
MEX286	749550	8319550	268	12.8	10.3	0.9	13.0	2.9	165	2.6	239	96.3	32.0	15.2	2.1	39.9	1.9	7.0	90.1	15.1	0.09	0.03	150.97	17.23
MEX287	749600	8319550	762	33.4	18.1	2.2	37.0	6.1	346	3.1	886	236	74.5	39.6	5.8	40.3	2.7	31.0	184.0	19.4	0.21	0.13	365.31	17.12
MEX288	749650	8319550	684	30.3	23.2	1.8	26.5	6.6	279	4.8	1743	163	53.5	25.4	4.7	63.3	3.9	54.0	235.0	30.0	0.19	0.25	254.77	13.40
MEX289	749700	8319550	853	37.1	16.6	3.7	58.1	6.0	805	2.8	526	455	146.0	61.2	7.5	43.5	2.3	17.0	211.0	17.3	0.32	0.08	707.11	22.01
MEX291	749767	8319555	117	5.1	5.3	0.3	4.2	1.2	49.5	1.9	260	30.3	10.3	5.2	0.8	19.5	1.1	10.0	23.4	9.9	0.03	0.04	47.75	14.96
MEX292	749800	8319550	649	22.5	15.3	1.6	20.9	4.5	301	3.6	1744	195	64.0	29.0	3.6	39.2	2.6	69.0	99.3	17.2	0.17	0.25	304.81	17.72
MEX293	749850	8319550	387	7.6	6.9	0.4	5.3	1.7	69.1	2.4	405	40.5	13.9	6.2	1.1	27.6	1.4	12.0	37.3	12.0	0.07	0.06	64.08	8.91
MEX294	749900	8319550	905	25.0	14.0	1.9	32.3	4.4	669	3.3	709	317	110.0	43.4	4.7	49.3	2.5	27.0	151.0	19.0	0.28	0.10	502.65	18.19
MEX295	749928	8319550	2798	49.9	30.4	4.0	63.0	9.4	1426	5.1	2129	689	241.0	85.3	9.1	124.0	4.7	65.0	240.0	32.4	**0.68**	0.30	1094.83	15.99
MEX296	750000	8319550	296	13.3	9.6	0.8	11.0	2.8	141	1.8	590	81.4	28.0	12.3	2.0	63.4	1.6	17.0	71.2	10.9	0.08	0.08	128.73	15.62
MEX297	750050	8319550	617	46.5	19.7	4.5	73.8	7.4	341	3.3	533	271	71.1	72.0	9.9	58.2	2.8	19.0	163.0	20.1	0.21	0.08	402.01	19.45
MEX298	750100	8319550	196	9.7	10.8	0.4	7.4	2.6	100	3.3	632	55.2	18.9	7.9	1.3	16.7	2.2	18.0	74.1	17.6	0.06	0.09	87.18	14.25
MEX299	749500	8319501	509	25.4	10.7	2.6	36.0	4.2	291	1.6	176	222	63.0	35.3	4.9	19.4	1.5	5.0	117.0	9.9	0.16	0.03	335.11	20.91
MEX300	749550	8319500	372	16.9	8.3	1.4	21.5	3.0	278	1.6	190	169	51.8	24.7	3.0	31.4	1.5	6.0	75.0	9.3	0.12	0.03	259.74	20.90
MEX301	749600	8319500	305	5.5	4.0	0.4	6.4	1.1	188	1.4	116	74.7	26.2	8.6	0.9	24.7	0.8	3.0	31.3	6.8	0.08	0.02	118.76	14.94
MEX302	749650	8319500	886	49.0	28.8	4.3	51.9	9.4	530	3.3	466	383	117.0	65.0	8.1	109.0	4.3	17.0	252.0	25.6	0.29	0.07	588.09	20.24
MEX303	749700	8319500	199	3.2	3.0	0.2	2.6	0.7	52.2	1.2	400	25.4	10.5	3.4	0.5	11.8	0.6	15.0	20.1	5.5	0.04	0.06	42.34	10.65
MEX304	749744	8319501	609	23.3	16.3	1.2	18.8	4.8	177	3.2	629	114	37.0	20.5	3.3	85.1	2.7	17.0	128.0	19.6	0.14	0.09	177.66	12.45
MEX305	749800	8319500	345	4.9	3.6	0.3	3.6	0.9	73.7	1.0	328	28	11.2	3.7	0.7	16.9	0.6	12.0	24.3	5.1	0.06	0.05	46.24	7.51

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX306	749850	8319500	1076	31.5	24.1	1.5	21.6	6.7	224	5.0	1008	141	47.9	23.9	4.5	98.7	4.2	31.0	144.0	31.1	0.22	0.14	222.36	10.26
MEX307	749900	8319500	231	17.8	11.8	1.1	16.8	3.7	120	2.0	512	84.7	27.3	16.5	2.8	23.3	1.7	14.0	101.0	12.1	0.08	0.07	131.80	16.82
MEX308	749950	8319500	312	17.5	12.6	1.1	14.5	3.6	152	2.7	595	103	32.4	17.4	2.6	47.3	2.1	20.0	99.0	15.3	0.09	0.09	159.28	16.78
MEX309	749986	8319496	761	35.0	23.6	1.5	27.0	7.5	452	3.9	1001	186	65.4	25.6	5.1	123.0	3.8	33.0	222.0	25.8	0.22	0.14	295.93	13.30
MEX310	750050	8319500	309	9.5	5.8	1.0	12.6	1.7	174	1.6	772	115	36.1	17.2	1.8	24.7	1.1	21.0	37.9	8.2	0.09	0.11	177.78	20.22
MEX311	750100	8319500	313	6.1	4.0	0.5	7.1	1.1	168	1.3	1402	79.9	29.4	9.4	1.1	19.0	0.9	32.0	29.2	6.7	0.08	0.20	128.73	16.27
MEX312	749550	8319450	361	18.3	9.1	2.2	26.6	3.2	247	1.4	211	186	54.8	30.6	3.6	19.0	1.3	7.0	87.6	8.9	0.12	0.03	283.17	22.68
MEX313	749600	8319450	144	4.7	4.1	0.2	2.6	1.2	24.1	1.4	133	16.3	5.3	2.8	0.6	13.0	0.9	3.0	34.1	6.7	0.03	0.02	25.38	8.39
MEX314	749650	8319450	313	18.4	9.8	1.4	21.6	3.3	206	1.6	276	152	46.2	24.8	3.3	21.8	1.5	8.0	89.3	10.1	0.11	0.04	233.11	21.53
MEX316	749700	8319450	353	7.5	6.4	0.3	4.6	1.7	97.9	1.8	217	34.7	13.2	4.7	1.0	18.1	1.1	7.0	51.8	9.3	0.07	0.03	56.45	7.90
MEX317	749750	8319450	272	11.9	9.0	0.6	9.1	2.5	91.8	2.4	532	59.4	19.0	9.6	1.7	44.4	1.7	19.0	62.3	13.9	0.07	0.08	92.26	13.48
MEX318	749800	8319450	369	11.1	10.5	0.5	7.3	2.7	130	3.1	349	52.4	18.8	7.6	1.5	40.5	2.1	11.0	65.7	17.0	0.08	0.05	83.85	9.92
MEX319	749850	8319450	511	29.3	13.6	3.3	38.5	4.8	577	2.6	373	336	110.0	49.8	5.5	30.7	2.2	9.0	129.0	16.0	0.22	0.05	524.81	24.03
MEX320	749900	8319450	345	11.5	7.4	0.8	12.4	2.2	225	1.9	251	125	41.7	16.5	1.9	37.5	1.4	5.0	51.8	10.3	0.10	0.04	196.15	19.12
MEX321	749950	8319450	1145	13.0	9.8	0.7	11.6	2.8	154	2.4	693	92.2	31.2	14.7	2.1	53.8	1.7	29.0	60.1	13.8	0.19	0.10	145.20	7.67
MEX322	749986	8319448	924	14.7	9.3	1.2	16.3	2.8	345	2.2	1252	162	56.5	21.5	2.8	29.8	1.6	44.0	61.4	12.3	0.20	0.18	257.24	13.04
MEX323	750050	8319450	286	3.7	2.7	0.4	5.0	0.7	131	1.2	1352	70.6	26.6	8.1	0.7	9.2	0.6	39.0	19.8	4.5	0.07	0.19	114.43	16.92
MEX324	750100	8319450	153	13.7	13.1	0.6	8.6	3.3	46.4	3.2	187	35.8	11.0	7.5	2.0	26.5	2.4	7.0	96.9	18.2	0.05	0.03	55.05	10.93
MEX325	750150	8319450	656	19.5	20.1	1.4	19.4	4.7	450	5.6	3287	253	88.7	24.1	2.9	12.4	3.8	87.0	168.0	30.2	0.21	0.47	402.24	19.15
MEX326	749600	8319400	297	24.6	19.5	1.0	14.5	5.6	95.5	3.9	431	76.2	23.7	14.5	3.2	58.5	3.3	16.0	159.0	22.8	0.09	0.06	117.51	12.69
MEX327	749650	8319400	233	22.2	17.8	0.7	11.5	5.2	72.2	3.0	316	49.2	15.4	9.2	2.9	69.2	2.9	9.0	147.0	18.9	0.07	0.05	75.93	10.24
MEX328	749700	8319400	162	1.6	1.2	0.1	1.9	0.3	97.9	0.6	29	26.2	9.8	2.8	0.3	8.1	0.3	1.0	9.0	2.1	0.04	0.00	42.45	11.15
MEX329	749747	8319402	1491	55.1	21.6	8.2	92.7	7.8	1660	2.8	912	1018	337.0	146.0	11.9	75.4	3.0	34.0	222.0	19.8	**0.61**	0.13	1594.56	26.22
MEX330	749800	8319396	274	5.9	3.5	0.6	7.2	1.1	176	1.0	845	80.1	28.2	9.4	1.1	13.3	0.7	34.0	25.4	5.0	0.07	0.12	127.50	17.15
MEX331	749850	8319400	309	20.0	16.6	0.7	10.9	4.5	79.3	3.4	831	52	17.2	10.8	2.7	101.0	2.8	26.0	107.0	20.5	0.08	0.12	81.37	10.22
MEX332	749900	8319400	352	21.9	16.6	1.0	16.3	4.7	137	3.2	1037	88.9	30.2	17.4	3.1	79.7	2.9	36.0	134.0	20.6	0.10	0.15	140.22	13.65
MEX333	749959	8319394	661	18.4	13.6	0.9	14.8	4.0	173	2.8	1051	103	35.6	17.0	2.9	87.5	2.3	36.0	94.4	17.4	0.14	0.15	163.18	11.61
MEX334	750000	8319400	331	21.2	15.7	1.5	19.8	4.6	163	3.6	447	113	33.4	21.7	3.4	86.4	2.8	14.0	111.0	20.2	0.10	0.06	172.13	16.51
MEX335	750050	8319400	261	8.5	5.9	0.6	7.1	1.7	131	1.4	956	74.4	24.9	9.7	1.2	25.3	1.1	33.0	39.8	7.9	0.07	0.14	116.84	16.85
MEX336	750100	8319400	283	8.4	5.7	0.6	7.4	1.6	115	1.5	270	62.6	21.2	9.6	1.3	39.7	1.1	8.0	40.6	8.2	0.07	0.04	98.62	14.40
MEX337	750150	8319400	456	14.8	8.0	1.2	17.6	2.7	268	1.6	376	156	51.3	21.9	2.6	41.6	1.3	11.0	68.2	8.6	0.13	0.05	243.93	18.80
MEX338	749650	8319350	403	28.4	25.3	0.9	17.0	6.8	57	4.4	1287	57.2	17.0	14.0	3.8	119.0	4.4	49.0	192.0	30.3	0.10	0.18	87.23	8.32
MEX339	749700	8319350	789	6.4	3.8	0.7	11.1	1.1	517	1.5	131	182	68.7	16.8	1.4	21.9	0.8	2.0	23.2	7.3	0.20	0.02	295.23	15.07
MEX341	749750	8319350	379	2.4	1.9	0.3	3.9	0.5	172	1.0	222	56.5	19.9	5.3	0.5	6.0	0.4	8.0	9.8	3.9	0.08	0.03	89.92	11.34
MEX342	749800	8319350	74.8	2.4	2.3	0.2	2.4	0.6	50.5	1.2	72	22.2	6.5	3.1	0.4	4.2	0.5	3.0	13.1	4.4	0.02	0.01	33.76	15.24
MEX343	749850	8319350	426	14.5	10.8	0.8	14.4	3.1	253	2.1	440	129	39.7	16.4	2.3	56.4	1.8	14.0	90.6	13.4	0.12	0.06	198.42	16.20
MEX344	749900	8319350	601	12.9	7.9	1.1	14.9	2.4	327	1.9	2260	166	52.2	19.5	2.2	25.3	1.3	76.0	69.3	10.2	0.16	0.32	256.63	16.54

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX345	749950	8319350	581	15.2	7.5	1.2	20.2	2.7	288	1.5	1435	170	51.5	24.4	2.8	26.2	1.2	62.0	76.2	7.8	0.15	0.21	260.49	17.30
MEX346	749991	8319338	272	19.1	13.7	1.1	17.6	3.9	119	2.7	266	81.6	22.3	16.7	2.8	47.0	2.3	13.0	92.5	16.8	0.08	0.04	122.11	14.81
MEX347	750050	8319350	544	37.7	25.6	2.2	33.7	8.1	189	4.1	491	143	38.3	30.1	6.0	131.0	3.9	19.0	224.0	26.9	0.16	0.07	213.08	13.38
MEX348	750100	8319350	173	11.4	8.5	0.5	8.0	2.5	50.9	2.1	203	33.8	9.4	6.1	1.6	22.4	1.5	12.0	71.3	10.8	0.05	0.03	50.81	10.71
MEX349	750150	8319350	177	7.2	4.9	0.5	7.2	1.4	69.3	1.5	91	49.9	14.0	8.5	1.2	19.9	0.9	4.0	34.6	7.2	0.05	0.01	75.09	16.17
MEX350	749700	8319300	213	1.9	1.8	0.1	1.8	0.4	75.2	1.1	34	23.7	7.6	2.4	0.3	4.1	0.4	1.0	10.1	4.3	0.04	0.00	36.84	8.85
MEX351	749750	8319300	251	21.9	17.2	1.2	17.7	4.9	109	2.9	412	86.4	24.3	16.9	3.3	54.5	2.7	17.0	139.0	18.7	0.09	0.06	130.18	15.03
MEX352	749800	8319300	220	3.4	2.9	0.3	3.2	0.8	75.7	1.1	102	29.8	9.1	3.8	0.6	9.4	0.6	4.0	19.1	5.4	0.05	0.01	45.75	10.07
MEX353	749850	8319300	1009	10.4	6.1	1.1	16.0	1.7	533	1.9	309	218	69.1	20.8	2.1	24.7	1.1	10.0	46.2	9.0	0.23	0.04	337.79	14.42
MEX354	749900	8319300	324	14.5	9.4	1.0	14.9	2.9	182	1.8	565	101	30.2	16.1	2.4	34.8	1.5	22.0	82.8	10.8	0.10	0.08	154.28	16.12
MEX355	749950	8319300	467	9.6	5.7	0.8	12.0	1.8	284	1.7	1716	124	40.7	15.4	1.7	17.7	1.0	68.0	48.0	8.5	0.12	0.25	193.84	15.78
MEX356	750016	8319279	426	6.3	4.0	0.5	6.9	1.1	212	0.9	2656	97.5	33.7	9.4	1.1	20.7	0.6	70.0	34.6	4.3	0.10	0.38	154.48	15.28
MEX357	750050	8319300	514	22.4	14.9	1.2	23.7	4.5	285	2.8	669	172	49.8	25.7	3.7	58.6	2.4	26.0	122.0	18.0	0.15	0.10	260.80	17.18
MEX358	750100	8319300	297	18.0	10.7	1.8	21.1	3.6	196	2.1	215	137	36.1	21.8	3.2	22.9	1.8	6.0	111.0	12.6	0.11	0.03	203.41	19.37
MEX359	750155	8319285	173	9.3	5.3	0.7	10.3	1.7	80.4	1.0	162	62.5	17.1	10.3	1.5	14.9	0.8	5.0	59.1	5.7	0.05	0.02	93.55	17.68
MEX360	749750	8319250	2553	32.6	17.1	2.7	47.2	5.7	1497	4.4	461	574	181.0	58.1	6.5	79.3	2.9	12.0	162.0	24.2	**0.62**	0.07	888.20	14.29
MEX361	749800	8319250	729	24.0	12.0	2.0	29.1	4.3	363	2.0	1097	219	63.9	33.4	4.3	44.0	1.7	44.0	115.0	11.3	0.19	0.16	332.65	17.12
MEX362	749850	8319250	599	10.3	8.4	0.5	8.2	2.3	104	1.8	543	57.4	17.8	8.5	1.6	51.1	1.4	16.0	73.7	9.2	0.11	0.08	88.49	8.05
MEX363	749900	8319250	452	7.5	5.1	0.6	9.3	1.5	180	1.4	1131	90.9	27.2	11.0	1.3	20.2	0.9	47.0	37.5	7.6	0.10	0.16	138.84	13.80
MEX364	749950	8319250	349	16.4	12.5	0.9	12.7	3.7	101	2.2	247	72.2	20.1	12.8	2.4	30.6	1.9	8.0	98.9	13.2	0.09	0.04	108.47	12.45
MEX366	749997	8319237	376	6.5	4.4	0.4	7.1	1.2	251	1.6	145	83.1	27.3	8.0	1.1	13.8	0.8	8.0	30.6	6.4	0.10	0.02	129.92	13.42
MEX367	750037	8319269	81.6	11.1	15.0	0.2	4.9	3.3	34.1	3.9	242	22.9	6.6	3.9	1.1	23.1	3.0	13.0	106.0	23.1	0.04	0.03	34.64	8.91
MEX368	750100	8319250	408	24.0	12.1	2.2	33.3	4.5	288	1.8	128	197	50.9	29.1	4.5	17.3	1.7	4.0	180.0	10.5	0.15	0.02	291.28	19.40
MEX369	750150	8319250	149	5.2	3.8	0.4	5.1	1.1	59.1	1.4	95	34.8	10.4	5.4	0.9	9.6	0.8	4.0	32.3	6.7	0.04	0.01	53.13	13.92
MEX370	750202	8319266	289	11.9	9.2	0.6	10.0	2.5	79.3	2.4	734	65.1	18.7	10.9	1.7	44.7	1.7	22.0	67.0	14.0	0.07	0.10	98.53	13.95
MEX371	749785	8319204	114	9.5	8.0	0.4	6.3	2.2	39.6	1.8	257	31.2	8.5	5.7	1.3	34.7	1.4	7.0	65.3	10.5	0.04	0.04	46.67	12.61
MEX372	749850	8319200	360	17.6	7.8	1.7	25.2	3.0	229	1.4	229	162	42.3	26.2	3.5	17.7	1.2	14.0	90.8	8.0	0.12	0.03	240.03	20.40
MEX373	749900	8319200	388	14.2	9.2	1.0	16.3	2.8	228	2.2	291	130	37.3	17.7	2.4	33.4	1.6	11.0	86.7	11.9	0.11	0.04	196.75	17.23
MEX374	749950	8319200	334	6.0	5.7	0.2	3.2	1.5	33.2	1.2	322	18.7	6.0	3.2	0.8	37.8	1.0	7.0	49.5	7.5	0.06	0.05	29.11	5.05
MEX375	750009	8319199	285	14.0	7.9	0.9	16.5	2.6	156	1.7	368	108	29.0	17.1	2.4	20.8	1.2	11.0	90.9	9.6	0.09	0.05	160.95	17.99
MEX376	750050	8319200	206	8.9	4.7	1.2	13.1	1.5	122	1.0	132	98.8	25.8	14.5	1.7	10.5	0.7	4.0	45.7	5.5	0.07	0.02	146.38	22.13
MEX377	750100	8319200	193	11.4	6.2	1.2	15.0	2.2	109	1.2	137	89.3	22.0	13.5	2.0	8.7	0.9	3.0	72.4	6.4	0.07	0.02	130.75	19.91
MEX378	750150	8319200	318	11.9	6.4	0.9	17.0	2.2	180	1.4	128	116	31.5	16.9	2.2	9.1	1.1	4.0	73.7	7.7	0.09	0.02	173.31	18.31
MEX379	750200	8319200	297	14.5	7.8	1.6	19.0	2.6	172	1.5	298	126	33.6	19.7	2.8	17.5	1.2	8.0	82.9	8.6	0.10	0.04	187.61	19.74
MEX381	750299	8321997	102	4.7	2.0	3.9	6.3	0.8	54.4	0.4	37	46.4	12.2	7.5	0.9	3.9	0.4	3.0	20.7	1.7	0.03	0.01	68.87	21.71
MEX382	750400	8322000	115	5.0	2.3	3.9	6.8	0.9	61.5	0.4	49	49.3	13.8	8.4	1.0	3.8	0.4	3.0	23.9	1.8	0.04	0.01	74.21	21.00
MEX383	750498	8322003	124	5.8	2.6	3.7	7.5	1.0	68.2	0.4	61	54.6	15.3	8.8	1.1	3.4	0.4	3.0	28.1	2.0	0.04	0.01	82.15	21.14

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX387	750898	8321999	112	4.9	2.3	4.0	6.9	0.9	61.8	0.3	47	48.4	12.9	7.7	0.9	5.5	0.3	2.0	25.5	2.1	0.03	0.01	72.06	20.62
MEX390	750300	8321800	90.4	4.3	2.3	3.4	6.5	0.9	52	0.4	48	43.2	11.1	7.0	0.8	4.3	0.3	1.0	24.1	2.1	0.03	0.01	63.85	21.37
MEX393	750500	8321799	259	10.2	6.8	1.0	9.0	2.0	167	1.5	403	68.7	24.2	10.4	1.5	41.8	1.2	13.0	67.5	8.8	0.08	0.06	109.33	14.21
MEX394	750599	8321800	248	9.7	7.0	0.9	9.0	2.0	164	1.5	370	69.6	24.0	10.1	1.6	40.6	1.2	13.0	65.9	8.9	0.08	0.05	110.19	14.68
MEX395	750700	8321802	91.9	4.4	1.9	3.0	5.8	0.7	52.4	0.3	50	41.8	10.9	6.5	0.8	6.9	0.3	1.0	22.9	1.7	0.03	0.01	61.88	21.01
MEX396	750799	8321800	95.9	4.9	2.2	3.4	6.1	0.8	56.4	0.4	63	43.6	11.5	7.3	0.9	5.8	0.3	3.0	25.9	2.1	0.03	0.01	64.70	20.59
MEX397	750900	8321799	99	4.2	2.2	2.9	5.9	0.8	56.4	0.3	67	42.7	11.6	6.5	0.9	4.5	0.4	2.0	27.7	1.2	0.03	0.01	63.83	20.22
MEX398	750998	8321801	80.4	3.7	1.8	2.7	5.2	0.6	45	0.3	41	36.9	9.6	5.8	0.8	3.8	0.2	1.0	19.1	1.4	0.03	0.01	54.61	21.30
MEX405	750802	8321601	91.2	4.5	2.2	2.5	6.2	0.8	50.7	0.3	48	38.7	10.8	6.7	0.8	4.8	0.3	1.0	27.1	1.7	0.03	0.01	58.21	19.79
MEX407	751000	8321600	239	9.4	6.8	0.9	8.8	2.0	161	1.4	389	65.4	22.7	9.7	1.5	39.4	1.2	12.0	65.9	8.6	0.07	0.06	103.66	14.25
MEX447	750200	8320800	253	8.7	5.3	3.0	9.8	1.7	150	0.8	232	75.3	23.2	10.6	1.5	25.3	0.8	6.0	52.0	5.6	0.07	0.03	115.88	16.01
MEX448	750300	8320800	462	15.7	9.8	1.6	16.8	3.0	262	1.9	421	133	43.9	19.9	2.6	59.1	1.5	11.0	83.6	12.0	0.13	0.06	208.21	16.18
MEX450	750500	8320800	310	10.6	6.0	1.6	11.7	1.9	188	1.4	244	87.9	28.7	12.3	1.8	31.8	1.1	7.0	59.8	7.3	0.09	0.03	137.17	15.61
MEX506	750200	8320200	655	45.1	26.7	2.6	41.3	9.0	378	2.5	945	230	71.6	40.6	7.1	91.3	3.5	38.0	306.0	19.1	0.22	0.14	354.74	15.99
MEX507	750300	8320200	619	33.0	44.0	0.9	16.2	9.8	322	11.8	4598	151	55.5	15.5	3.8	10.7	8.8	70.0	371.0	71.2	0.21	**0.66**	243.23	11.59
MEX510	750600	8320200	3135	359.0	210.0	17.3	301.0	71.6	1569	20.1	2854	1217	347.0	272.0	56.0	909.0	29.5	29.0	1822.0	171.0	**1.16**	0.41	1838.75	15.88
MEX528	750400	8320000	152	7.5	6.4	0.3	5.5	1.6	28.9	1.7	301	28.6	8.3	5.9	1.0	26.3	1.3	6.0	38.6	9.8	0.04	0.04	43.36	12.04
MEX555	751100	8319801	265	9.3	5.5	3.3	10.2	1.7	158	1.0	255	81.3	26.1	11.9	1.6	37.5	0.9	9.0	43.4	5.8	0.08	0.04	126.31	16.82
MEX569	750500	8319600	519	26.5	13.5	2.7	31.6	4.9	337	2.1	219	233	72.4	37.2	4.7	30.3	2.1	7.0	107.0	13.8	0.17	0.03	359.20	21.28
MEX589	750100	8319400	285	28.4	27.2	1.3	16.3	7.1	146	4.8	726	99.7	32.0	18.4	3.5	114.0	4.5	35.0	174.0	32.0	0.11	0.10	154.98	14.59
MEX594	750600	8319400	84.9	13.5	10.0	0.6	7.7	3.0	31.5	2.2	267	27.9	8.0	6.5	1.8	172.0	1.7	10.0	83.1	12.8	0.04	0.04	42.26	11.82
MEX612	750103	8319200	264	15.8	10.1	1.1	14.8	3.1	121	2.0	189	88.1	27.0	15.8	2.6	24.5	1.6	6.0	82.1	12.1	0.08	0.03	135.38	17.00
MEX613	750201	8319196	383	14.4	8.2	1.3	17.1	2.7	210	1.3	304	134	43.1	20.4	2.7	27.9	1.2	12.0	63.7	8.1	0.11	0.04	208.38	19.03
MEX617	750601	8319203	279	21.0	14.3	1.4	16.9	4.4	178	2.6	208	103	32.2	18.1	3.1	46.8	2.4	8.0	105.0	16.5	0.10	0.03	158.99	16.57
MEX635	750100	8319000	370	13.3	8.1	1.4	14.8	2.6	202	1.4	215	124	35.9	17.2	2.2	38.1	1.3	13.0	72.7	9.2	0.11	0.03	188.03	17.84
MEX637	750300	8319000	1108	35.8	19.0	5.2	52.8	6.2	1305	4.0	443	616	192.0	79.3	7.2	75.1	3.2	7.0	266.0	23.3	0.45	0.06	950.48	21.35
MEX640	750600	8319000	878	36.7	31.1	1.7	31.0	8.5	295	6.2	1980	232	65.0	37.2	5.4	123.0	5.5	79.0	237.0	39.2	0.23	0.28	349.13	15.13
MEX642	750800	8319000	739	46.0	31.4	2.1	38.3	9.7	429	4.8	774	301	84.2	48.8	7.0	123.0	4.8	35.0	240.0	32.5	0.24	0.11	452.83	18.65
MEX646	751200	8319000	53.1	9.9	5.8	1.7	10.5	2.1	37.2	0.7	14	42.7	9.0	9.6	1.7	4.4	0.8	1.0	60.2	4.4	0.03	0.00	60.70	20.21
MEX659	750100	8318800	427	11.4	7.3	0.7	10.7	2.1	210	1.6	1061	116	35.5	15.4	1.9	25.9	1.2	63.0	50.2	9.0	0.11	0.15	178.23	16.45
MEX660	750200	8318800	303	12.5	7.4	1.2	13.9	2.4	210	1.4	260	123	36.4	18.6	2.2	32.7	1.2	5.0	60.2	8.6	0.10	0.04	187.46	19.48
MEX661	750300	8318800	245	10.5	6.4	1.6	13.8	2.2	142	1.2	151	107	27.7	16.0	1.9	9.4	1.0	3.0	87.0	6.3	0.08	0.02	158.21	19.62
MEX662	750400	8318800	1404	56.3	28.0	8.7	83.5	9.8	1945	3.7	500	919	277.0	126.0	11.2	65.0	4.1	23.0	350.0	25.9	**0.63**	0.07	1406.59	22.44
MEX664	750600	8318800	923	58.1	48.1	2.9	45.5	13.5	334	8.9	2435	267	75.1	50.3	8.8	142.0	8.2	61.0	348.0	58.4	0.27	0.35	402.20	14.80
MEX666	750800	8318800	457	13.3	7.5	1.1	18.6	2.5	227	1.9	581	175	49.2	27.9	2.8	36.9	1.4	40.0	46.1	9.5	0.12	0.08	263.50	21.09
MEX683	750101	8318601	156	6.9	3.6	1.5	8.8	1.2	80.1	0.7	127	62.8	18.0	10.3	1.3	6.9	0.6	1.0	28.5	3.9	0.05	0.02	94.99	20.59
MEX684	750200	8318599	310	13.5	9.2	1.4	12.3	2.9	128	1.7	224	81.2	24.6	13.2	2.1	26.3	1.5	9.0	75.3	10.0	0.08	0.03	124.47	15.02

SAMPLE ID	East	North	Ce	Dy	Er	Eu	Gd	Ho	La	Lu	Nb	Nd	Pr	Sm	Tb	Th	Tm	U	Y	Yb	TREO %	Nb_2O_5 %	Nd+Pr	NDPR%
MEX685	750300	8318598	1053	69.6	41.6	2.9	66.7	13.8	506	5.1	817	374	113.0	70.1	11.3	122.0	5.9	35.0	316.0	37.2	0.32	0.12	572.76	17.71
MEX687	750501	8318600	535	23.8	12.1	1.9	29.8	4.3	305	2.3	296	209	65.0	34.1	4.2	25.3	1.9	10.0	102.0	13.4	0.16	0.04	322.31	19.97
MEX690	750801	8318602	1047	82.9	56.7	4.9	72.1	17.2	515	8.9	1079	393	118.0	73.1	12.9	254.0	9.1	26.0	396.0	60.7	0.35	0.15	600.96	17.41
MEX708	750100	8318400	378	18.5	8.7	2.3	24.0	3.3	266	1.2	161	196	59.2	30.2	3.6	12.2	1.3	3.0	75.6	7.7	0.13	0.02	300.12	23.29
MEX709	750200	8318400	352	57.1	27.6	6.6	78.0	10.3	846	3.7	132	478	137.0	70.1	10.6	10.8	3.6	2.0	287.0	22.3	0.28	0.02	723.06	25.41
MEX710	750300	8318400	264	8.0	4.4	0.5	11.1	1.4	151	1.0	149	95.5	29.5	12.9	1.5	9.2	0.7	2.0	37.5	5.3	0.08	0.02	147.06	19.61
MEX714	750700	8318400	419	22.0	15.6	1.0	19.2	4.6	196	2.6	247	118	37.8	20.8	3.4	57.9	2.4	8.0	130.0	16.6	0.12	0.04	183.26	15.06
MEX715	750800	8318400	438	31.2	16.8	2.4	37.6	5.5	685	2.5	274	328	111.0	45.4	5.6	59.2	2.5	7.0	169.0	16.6	0.23	0.04	516.69	22.82
MEX733	750200	8318200	254	19.8	9.6	2.2	24.9	3.9	267	1.3	166	192	53.8	30.0	3.7	10.8	1.4	3.0	102.0	9.5	0.12	0.02	288.96	24.78
MEX734	750300	8318200	1573	23.7	14.5	1.4	24.3	5.2	344	2.5	461	204	64.9	31.4	4.1	59.7	2.4	17.0	115.0	17.4	0.29	0.07	316.36	10.75
MEX735	750400	8318200	875	18.4	8.3	1.9	26.7	3.3	488	1.2	219	302	96.1	37.2	3.7	36.0	1.3	5.0	77.3	9.1	0.23	0.03	468.30	20.00
MEX736	750500	8318200	213	13.3	7.5	1.4	16.4	2.6	250	1.8	407	157	48.7	24.3	2.4	20.5	1.4	13.0	65.4	12.0	0.10	0.06	242.01	24.81
MEX737	750600	8318200	497	21.7	13.8	1.5	22.4	4.7	315	2.3	775	187	58.7	29.1	3.5	43.0	2.2	62.0	113.0	16.7	0.15	0.11	289.06	18.67
MEX738	750700	8318200	733	32.5	18.3	2.2	38.6	6.5	460	3.5	459	301	91.7	48.8	5.8	40.4	3.0	27.0	146.0	23.7	0.23	0.07	461.87	20.10
MEX739	750800	8318200	411	24.6	13.8	1.4	27.9	5.0	207	2.6	356	171	48.9	33.1	4.3	38.7	2.2	9.0	111.0	17.3	0.13	0.05	258.58	19.90
MEX740	750900	8318200	453	26.3	15.2	1.2	26.2	5.5	233	2.5	316	161	46.4	28.5	4.3	39.9	2.3	8.0	139.0	17.4	0.14	0.05	243.90	17.44
MEX741	751000	8318200	803	30.5	19.5	1.1	31.6	6.7	494	3.5	425	268	82.5	38.1	5.0	56.5	3.1	14.0	191.0	24.6	0.24	0.06	412.21	17.11

Annexure A: JORC Code, 2012 Edition – Table 1 report

Section 1 Sampling Techniques and Data

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverized to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.*	• This geochemical sampling was planned to test the anomalies based on radiometric data for the licence area in the Machinga Main licence area (EL0529). The extended sampling lines on the west were planned to test the anomalies in the newly granted licence area for Machinga (EL0705). • Field rock chip samples of outcrop were taken by field staff from outcrops utilising a geo-pick and hand tool. In locations where there were no outcrops available, soil samples were taken as an alternative. Samples are photographed and stored in labelled clear plastic bags for transport to the lab for analysis. Results area attached. • Samples were selected more on the basis of understanding lithotypes rather than being fully representative of mineralisation.
Drilling techniques	• *Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	• No drilling is reported in this announcement, therefore no drilling techniques to report.
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.*	• . No drilling is reported in this announcement, therefore no drill sample recoveries to report.

	• *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.*	
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate*	• No drilling is reported in this announcement, therefore no geological and geotechnical logging to report.

Criteria	**JORC Code explanation**	**Commentary**
Sub-sampling techniques and sample preparation	*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. If core, whether cut or sawn and whether quarter, half or all core taken.* • *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* • *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* • *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* • *Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.* • *Whether sample sizes are appropriate to the grain size of the material being sampled.*	• The sampling technique used to obtain rock chip samples from outcrops manually and soil samples is in line with industry standards and standard exploration practices. • Rock chip samples are collected from an outcrop using a geo-pick and other hand-held tools. Soil samples are collected from a depth of 30cm to 50cm from surface. • Field Duplicate samples for quality control are taken at regular intervals of every 75th sample.

Quality of assay data and laboratory tests	• *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* • *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.* • *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.*	• Assays reported in this announcement were completed as a four-acid digest with MS determination approaching a total digest and is an appropriate exploration approach. • • Certified Reference Materials (CRMs) or Standards from OREAS were inserted in the sample stream at every 25th sample while Blanks were inserted in the sample stream at every 75th sample. Duplicates were alternated with Blanks at the 75th sample. This is the Quality Control procedure used. • The external laboratory employed its own set of Blanks in the sample stream, method blanks, replicates, duplicates and CRMs as a quality control procedure in the laboratory to check accuracy.
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.*	• Field data is collated and sent back to DY6 geological staff and/or contractors where it is checked and verified. • A set of Standard Operating Procedures (SOPs) are in place for data entry and storage of data protocols in MX Deposit software.
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.*	• No drilling is reported in this announcement. • DY6 sample points were located using handheld GPS.

Criteria	JORC Code explanation	Commentary
	• *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	
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.*	• No drilling is reported in this announcement.
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.*	• No drilling is reported in this announcement, therefore no orientation of drillholes to be reported in relation to geological structures.
Sample security	• *The measures taken to ensure sample security.*	• Company staff collected all samples from the field. • Company staff prepared samples according to set sampling procedures that ensure sample security. • Contractors affiliated to the laboratory were tasked with transport of the samples to the laboratory. • Every step of samples exchanging custody was signed off by signing a Sample Chain of Custody document.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• No audit of data has been completed to date.

Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	• Machinga tenement is divided into two prospecting licences: EL0529 and EL0705 representing Machinga Main Exploration Licence and Machinga Extension recently granted Licence respectively. Both licences are legally held by DY6 Metals through its Malawian vehicle, Green Exploration Limited. • Machinga is located in southern Malawi, between the country's new and old capitals, Lilongwe and Zomba • There are no known impediments to the operation in the project area.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• In 2007, Resource Star Limited (RSL) completed an initial phase of geological mapping, geochemical sampling and had also planned second phase of work activities including trenching and RC Drilling. • Global Metals & Mining joint ventured with RSL in 2009 and conducted 3000m of trenching programme & RC drilling planning that consisted of 26 drillhole programme totalling 2400m. Global metals declared a resource estimate and went into a feasibility study in 2010.

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

Criteria	JORC Code explanation	Commentary
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The Machinga Project area is characterised by the regional Mesozoic Chilwa Alkaline Province. The Chilwa Alkaline Province is a well-renowned region for REE. The basement complexes that are intruded by the Chilwa Alkaline Province plutons are comprised of gneisses and charnockitic granulites. The Province comprises peralkaline igneous complexes ranging from silica saturated to silica under-saturated. The complexes are composed of nepheline syenite bodies and syenites that align in an east-west direction and syenite-granite bodies (Malosa and Zomba) that align in a north-south

		direction on the south of the nepheline-syenite bodies. They occur in a ring-like lineament across the project area and vary from 5 km to 10 km in diameter.
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.*	• No drilling is reported in this announcement; therefore no drill hole information has been included.
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 aggregation methods were used and no metal equivalents are reported.

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.*	• No new mineralisation widths are being reported.

Criteria	JORC Code explanation	Commentary
	• *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').*	
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.*	• No drilling is reported in this announcement, and therefore no drillhole diagrams are included.
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.*	• The release is considered to be balanced and is based on current available data for the project area
Other substantive exploration data	• *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	• The historical data currently available to the Company is known to be incomplete. Attempts will be made to obtain and collate the full historical exploration data.

Further work	• *The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• The Company intends to use the results of the reported geochemical results herein for planning of Phase 2 Drilling programme at Machinga Project.