NEW FRONTIER MINERALS

ASX: NFM

ASX RELEASE 24 JULY 2025

Harts Range continues to deliver Heavy Rare Earth Mineralisation at surface

- **Rock chip assay results at new prospect, 'Old Trafford' extends significant Heavy Rare Earth mineralistion continuous and complementary to Cusp, Bobs, Paddington and Westminster**
- **Old Trafford located 320m west from the Westminster Prospect returns:**
  - **0.73% TREO (inc 0.097% Dy_2O_3, 0.015% Tb_4O_7) with 1.92% Nb_2O_5 and 0.31% Ta_2O_5**
- **Additional mineralisation from the Westminster Prospect includes:**
  - **HRS064: 7.34% TREO (inc 0.55% Dy_2O_3, 0.06% Tb_4O_7) with 0.008% Nb_2O_5 and 0.002% Ta_2O_5**
- **Bank Prospect returns anomalous copper results with best results returning up to 2.72% CuO from rock chip samples**
- **Assay results from the July field program have been submitted for geochemical analysis with results expected by early August 2025**
- **NFM is progressing regulatory approvals and reviewing quotes from drilling contractors to fast-track a 2,000m - 3,000m Reverse Circulation (RC) drilling campaign**

New Frontier Minerals Limited (ASX: **NFM**) **("New Frontier"** or **"the Company")** (ASX: **NFM**) is pleased to announce the geology team has identified additional high priority targets for drill-testing at its Harts Range Project, located 140km north-east of Alice Springs in the Northern Territory, Australia.

Assay results from the June 2025 field program have confirmed a new drill target and new prospect – Old Trafford – located approximately 320m west of the mineralised Westminster Prospect. This new prospect, along with the mineralised prospects – Cusp and Bobs, Paddington, and Westminster – occur within an east-west trending structural corridor now extending over 2.4 kilometres at the Harts Range Project.

Chairman Gerrard Hall commented:

"We are very pleased with the outcomes of the June 2025 exploration program conducted by the NFM geology team, which has led to the discovery of the Old Trafford Prospect and additional Heavy Rare Earths targets at the Harts Range Project. The rock chip assay results from the newly identified Old Trafford prospect have confirmed and extended the presence of Heavy Rare Earth mineralisation as well as significant Niobium and Tantalum mineralisation a further 320 metres west of the Westminster Prospect. The Company remains committed to unlocking the full mineral potential at Harts Range and is currently advancing regulatory approvals and reviewing quotes from drilling contractors to fast-track our maiden drilling program."

DISCOVERY OF NEW PROSPECT – OLD TRAFFORD

The NFM geological team commenced ongoing fieldwork during the month of June 2025 at the Harts Range Project, to further identify prospects and targets for drilling across previously untested areas within the mineralised east-west trending structural corridor. Utilising the airborne geophysical radiometric imagery, the team identified further targets and extensions of Heavy Rare Earths, Niobium and Uranium mineralisation at the newly identified Old Trafford Prospect (Table1). The Old Trafford prospect extends mineralisation a further 320m west of the Westminster Prospect.

Additional rock chip samples (namely HRS064) from the Westminster Prospect have also returned significant assay results and validates Westminster as a priority target for drilling (Table 1).

SAMPLE	PROSPECT	TREO (%)	Dy_2O_3 (%)	Tb_4O_7 (%)	Nb_2O_5 (%)	Ta_2O5 (%)	HREO/TREO (%)
HRS066	OLD TRAFFORD	0.73	0.097	0.015	1.92	0.31	82.40
HRS064	WESTMINSTER	7.34	0.55	0.06	0.008	0.002	95.57
HRS032	WESTMINSTER	7.46	0.53	0.05	0.01	0.002	96.69

Table 1: Old Trafford and Westminster Prospect sample results (Source: Intertek Assay Results[2] refer to Appendix C). Assay results for Westminster sample HRS032 refer to ASX Release 12 May 2025[3]

BANK COPPER PROSPECT

North of Cusp, the Bank Prospect has identified copper mineralisation (malachite) in foliated gneissic rocks. The outcropping unit is discontinuous and seen to trend a north-south orientation and is noted to outcrop adjacent to a creek-bed over 200 metres away. Numerous rock chip samples from the exposed outcrops have returned anomalous copper assay results (Table 2).

SAMPLE ID	CuO (%)
HRS053	1.38%
HRS054	1.08%
HRS055	0.82%
HRS056	0.20%
HRS058	0.99%
HRS059	0.23%
HRS061	0.99%
HRS062	2.72%

Table 2: Bank Prospect copper sample results (Source: Intertek Assay Results[2] refer to Appendix C)

Further validation may require the use of ground geophysics including IP or EM surveys to further validate and prioritise targets at depth for drilling at the Bank Prospect.

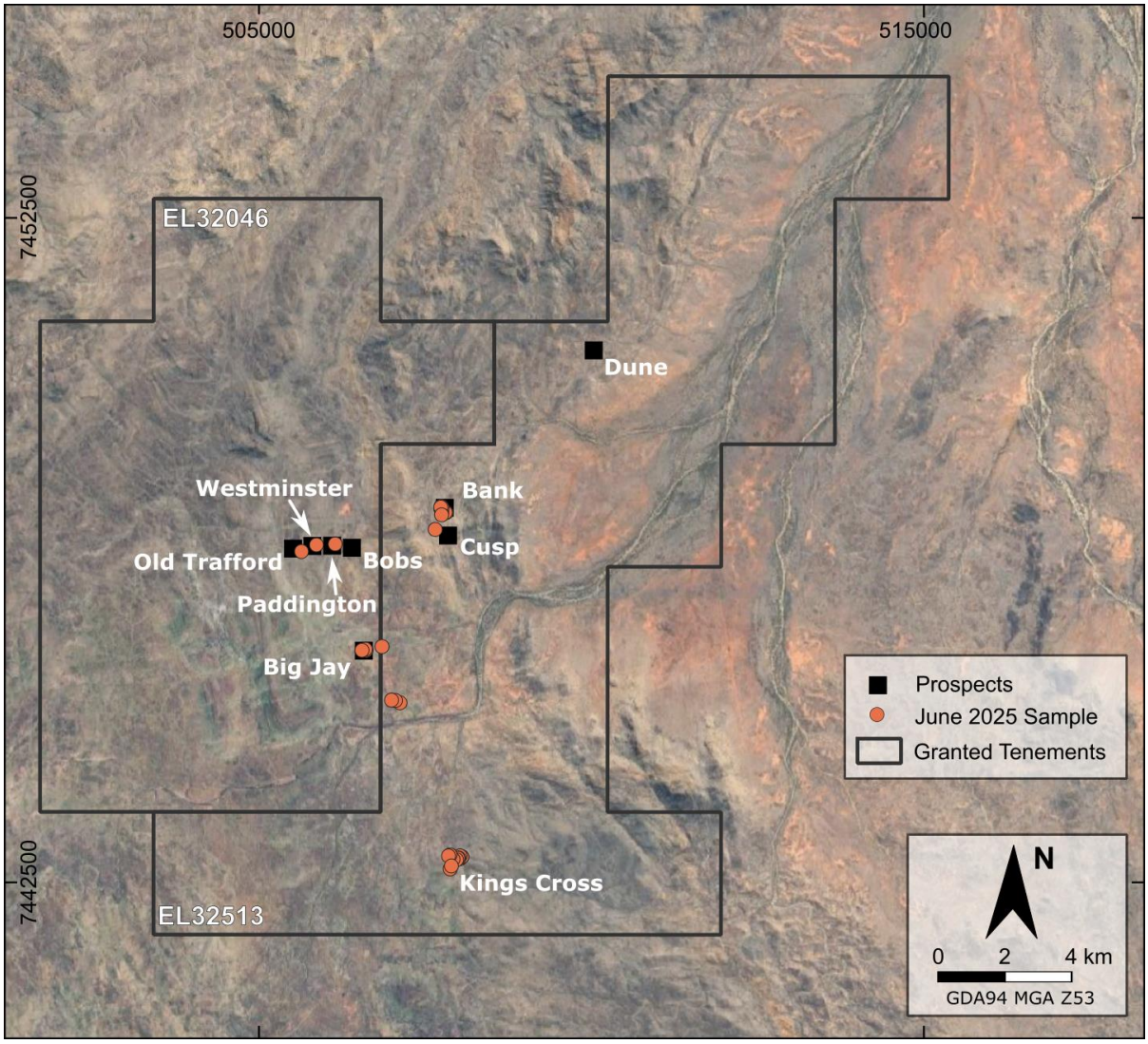


Figure 1: Sample and prospect location from June 2025 Harts Range field program

GEOPHYSICAL TARGET

The recent airborne geophysical survey identified a local magnetic anomaly at the Kings Cross Prospect which is located to the south of the project area (Figure2). Twelve rock chip samples (HSR033 – HSR044) were collected along the east-west structure, which appears to the north of the magnetic anomaly.

Sample HRS035 displays the most notable geochemical results, particularly in Light Rare Earth Elements (LREEs), with elevated values in CeO_2 (196 ppm), La_2O_3 (111.9 ppm), Nd_2O_3 (86.7 ppm), Pr_6O_{11} (24.4 ppm), and Sm_2O_3 (16.1 ppm). The results suggest a localised enrichment of LREEs relative to surrounding samples, which exhibit only modest background levels. While no high-grade concentrations are present, the clustering of elevated LREEs in HRS035 may warrant further exploration and follow-up sampling to investigate potential mineralised trends.

Further validation may require the use of ground geophysics to further validate and prioritise the geophysical target for drilling at the Kings Cross Prospect.

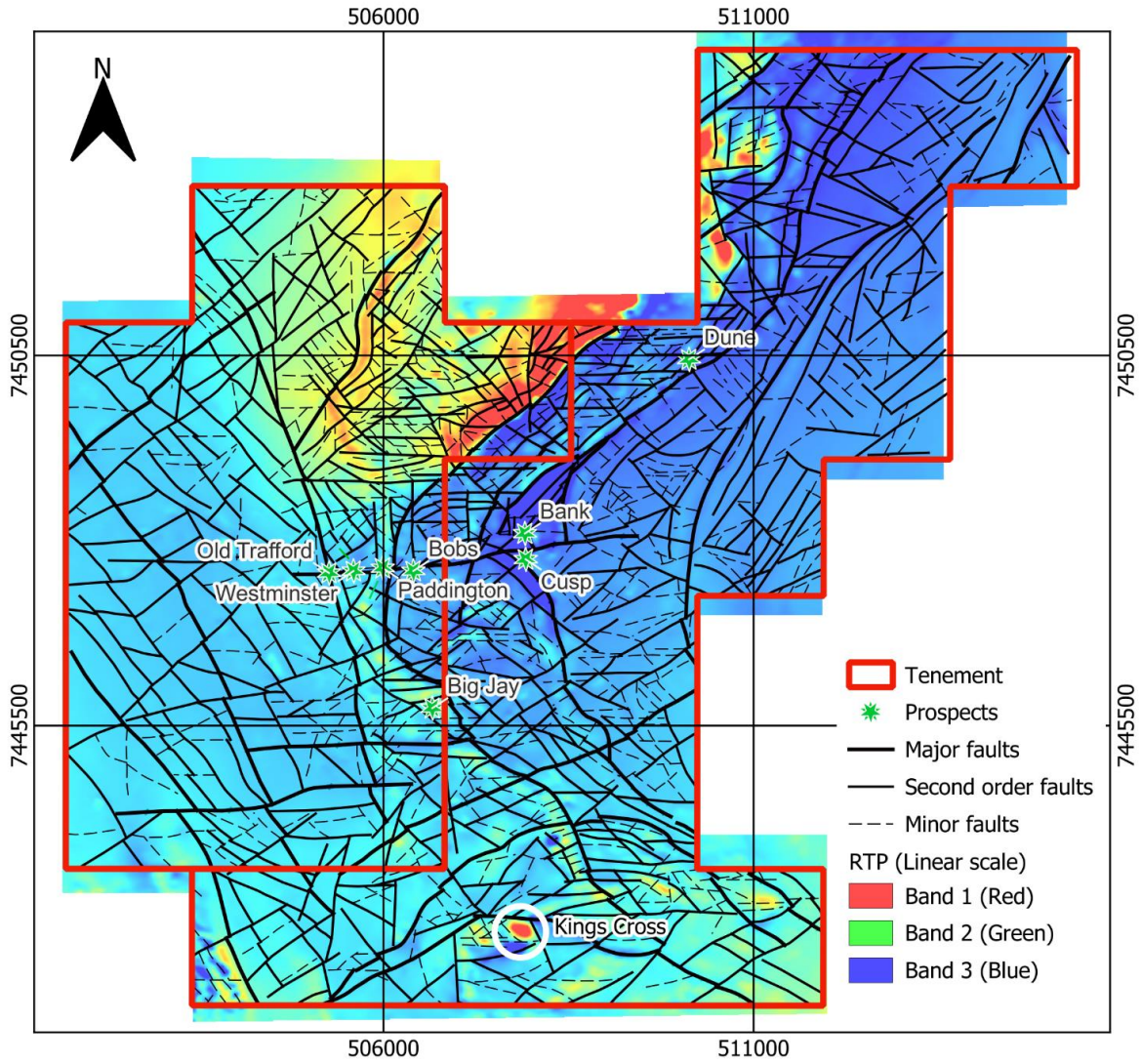


Figure 2: Magnetic feature identified at the Kings Cross Prospect (Source: Southern Geoscience Consultants[1])

NEXT STEPS

Over the coming weeks and months, the NFM geological team will:

- Continue field investigations, focusing on identifying and defining priority targets for drilling at the Cusp, Bobs, Paddington, Westminster and Old Trafford Prospects.
- Analyse assay results from the known mineralised prospects in order to prioritise drilling targets further west of Paddington
- Progress regulatory approvals and review quotes from drilling contractors in preparation for the maiden RC drilling campaign in Q3 FY25

New Frontier remains committed to delivering value to shareholders through disciplined exploration and development of its key assets.

ENDS

This announcement was approved for release by the Board of New Frontier Minerals Limited.

REFERENCES

1) ASX Announcement (31 March 2025) Geophysical interpretation identifies 46 HREE-Nb-U priority targets at Harts Range, NT

2) Intertek Assay Results Job Code:2375.0/2511248

3) ASX Release 12 May 2025 - Sampling returns 10.61% TREO with 23.56% Nb2O5 and 15.67% Ta2O5at Harts Range, NT

For further information please contact

New Frontier Minerals	Joel Logan E. jlogan@newfrontierminerals.com
NWR Communications (Australia) Media & Investor Relations	Melissa Tempra E. melissa@nwrcommunications.com.au

About New Frontier Minerals

New Frontier Minerals Limited is an Australian-based focussed explorer, with a strategy to develop multi-commodity assets that demonstrate future potential as an economic mining operation. Through the application of disciplined and structured exploration, New Frontier has identified assets deemed core and is actively progressing these interests up the value curve. Current focus will be on advancing exploration activity at the Harts Range Niobium, Uranium and Heavy Rare Earths Project which is circa 140km north-east from Alice Springs in the Northern Territory.

Other interests include the NWQ Copper Project, situated in the copper-belt district circa 150km north of Mt Isa in Queensland and the Broken Hill Project in western New South Wales.

New Frontier Minerals is listed on the LSE and ASX under the ticker “NFM”.

Competent Persons Statement

The scientific and technical information in this announcement, which relates to exploration results and the geology of the deposits described, is based on information compiled and approved for release by Mark Biggs. Mark Biggs is a Member of The Australasian Institute of Mining and Metallurgy (AusIMM Member # 107188) and meets the requirements of a Competent Person as defined by the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code 2012 Edition). Mark Biggs has 35 years of experience relevant to Rare Earth Elements (REE), industrial mineral copper mineralisation types, as well as expertise in the quality and potential mining methods of the deposits under consideration. Additionally, he has 25 years of experience in the estimation, assessment, and evaluation of exploration results and mineral resource estimates, which are the activities for which he accepts responsibility. He also successfully completed an AusIMM Online Course Certificate in 2012 JORC Code Reporting. Mark Biggs is a consultant with ROM Resources and was engaged by New Frontier Minerals Limited to prepare the documentation for several prospects, specifically those within the Harts Range Prospects upon which the Report is based. Mr Biggs consents to the inclusion in this announcement of the matters based on his information and supporting documents in the form and context in which it appears.

Furthermore, the full nature of the relationship between himself and New Frontier Minerals Limited has been disclosed, including any potential conflicts of interest. Mark Biggs is a director of ROM Resources, a company that is a shareholder of New Frontier Minerals Limited, and ROM Resources provides occasional geological consultancy services to New Frontier Minerals Limited.

The Report or excerpts referenced in this statement have been reviewed, ensuring that they are based on and accurately reflect, in both form and context, the supporting documentation relating to exploration results and any mineral resource estimates. The release of the Report and this statement has been consented to by the Directors of New Frontier Minerals Limited.

Forward Looking Statements

Certain information in this document refers to the intentions of New Frontier Minerals Ltd, but these are not intended to be forecasts, forward-looking statements, or statements about future matters for the purposes of the Corporations Act or any other applicable law. The occurrence of events in the future is subject to risks, uncertainties and other factors that may cause New Frontier Minerals Ltd's actual results, performance, or achievements to differ from those referred to in this announcement. Accordingly, New Frontier Minerals Ltd, its directors, officers, employees, and agents, do not give any assurance or guarantee that the occurrence of the events referred to in this announcement will occur as contemplated. The interpretations and conclusions reached in this announcement are based on current geological theory and the best evidence available to the authors at the time of writing. It is the nature of all scientific conclusions that they are founded on an assessment of probabilities and, however high these probabilities might be, they make no claim for complete certainty. Any economic decisions that might be taken based on interpretations or conclusions contained in this announcement will therefore carry an element of risk. The announcement may contain forward-looking statements that involve several risks and uncertainties. These risks include but are not limited to, economic conditions, stock market fluctuations, commodity demand and price movements, access to infrastructure, timing of approvals, regulatory risks, operational risks, reliance on key personnel, Ore Reserve and Mineral Resource estimates, native title, foreign currency fluctuations, exploration risks, mining development, construction, and commissioning risk. These forward-looking statements are expressed in good faith and believed to have a reasonable basis. These statements reflect current expectations, intentions or strategies regarding the future and assumptions based on currently available information. Should one or more of the risks or uncertainties materialise, or should underlying assumptions prove incorrect, actual results may vary from the expectations, intentions and strategies described in this announcement. No obligation is assumed to update forward-looking statements if these beliefs, opinions, and estimates should change or to reflect other future developments.

ASX Listing Rule 5.23.2

New Frontier Minerals Ltd confirms that it is not aware of any new information or data that materially affects the information included in this market announcement and that all material assumptions and technical parameters underpinning the estimates in this market announcement continue to apply and have not materially changed.

APPENDIX A: NEW SAMPLE DETAILS

Thirty Four (34) new rock chip samples were collected at mapping sites and are listed in Figure A1-1 below and their locations shown on the plan as Figure A1-2 following:

FIGURE A1-1: SAMPLE DESCRIPTIONS

Sample No	Location	East (GDA94z53)	North (GDA94z53)	Rad-Eye Radiation µSv	Samarskite Estimate Range%	Sample Type	Description	Date Collected
HSR033	King's Cross	508013	7442849	0	N/A	Rock	Muscovite-rich amphibolite unit. Garnet minerals are present throughout (50mm - 2cm). Foliation appears to generally be trending EW, along with what appears to be a significant trending EW fault. Although there are outcrops along this structural EW trending structure with intermittent shearing along varying orientations. A sample taken along a hill adjacent to creek-bed, which appears to have formed above major EW structure. ~45/020.	6/14/2025
HSR034	King's Cross	508041	7442875	0	N/A	Rock	Muscovite-rich amphibolite unit. Garnet minerals are present throughout (50 mm - 2cm). Foliation appears to generally be trending EW, along with what appears to be a significant trending EW fault. Adjacent to creed-bed. ~30/085.	6/14/2025
HSR035	King's Cross	508041	7442875	0	N/A	Rock	Strongly chlorite altered quartz unit with trace muscovite. Oxidised and inconsistent with surrounding amphibolite. Sample taken adjacent to sheared amphibolite sample HRS034.	6/14/2025
HSR036	King's Cross	508014	7442890	0	N/A	Rock	Muscovite-rich amphibolite unit. Foliation appears to generally be trending EW, along with what appears to be a significant trending EW fault. Ferruginous brown appearance. ~65/075.	6/14/2025

HSR037	King's Cross	507995	7442859	0	N/A	Rock	Muscovite-rich amphibolite unit. Garnet minerals are present throughout (50mm - 2cm). Foliation appears to generally be trending EW, along with what appears to be a significant trending EW fault. Adjacent to creed-bed. Similar quartz unit as described in HRS035 present.	6/14/2025
HSR038	King's Cross	507981	7442857	0	N/A	Rock	Muscovite-rich amphibolite unit. Garnet minerals are present throughout (50 mm - 2cm). Foliation appears to generally be trending EW, along with what appears to be a significant trending EW fault. Adjacent to creed-bed. ~70/075.	6/14/2025
HSR039	King's Cross	507961	7442833	0	N/A	Rock	Muscovite-rich amphibolite unit. Garnet minerals are present throughout (50 mm - 2cm). Foliation appears to generally be trending EW, along with what appears to be a significant trending EW fault. Adjacent to creed-bed. Similar quartz unit as described in HRS035 present. ~70/040	6/14/2025
HSR040	King's Cross	507908	7442840	0	N/A	Rock	Muscovite-rich amphibolite unit contact with bulky quartz intrusion. Foliation appears to generally be trending EW, along with what appears to be a significant trending EW fault. Adjacent to creed-bed. ~70/040.	6/14/2025
HSR041	King's Cross	507865	7442905	0	N/A	Rock	Muscovite-rich amphibolite unit. Garnet minerals are present throughout (50 mm - 2cm). Minor rounded quartz porphyroblasts. Foliation appears to generally be trending EW, along with what appears to be a significant trending EW fault. Adjacent to calc-silicate unit. ~50/065.	6/14/2025
HSR042	King's Cross	507841	7442890	0	N/A	Rock	Grey/brown ferruginous calc-silicate unit. Soft and weathered.	6/14/2025
HSR043	King's Cross	507865	7442695	0	N/A	Rock	Magnetite + quartz unit. Dense and heavy. Strongly magnetic. Quartz is partially iron altered. No visible indication of minerals or metals consistent with the presence of base metals.	6/14/2025
HSR044	King's Cross	507884	7442739	0	N/A	Rock	Magnetite. Dense and heavy. Strongly magnetic. No visible indication of minerals or metals consistent with presence of base metals.	6/14/2025

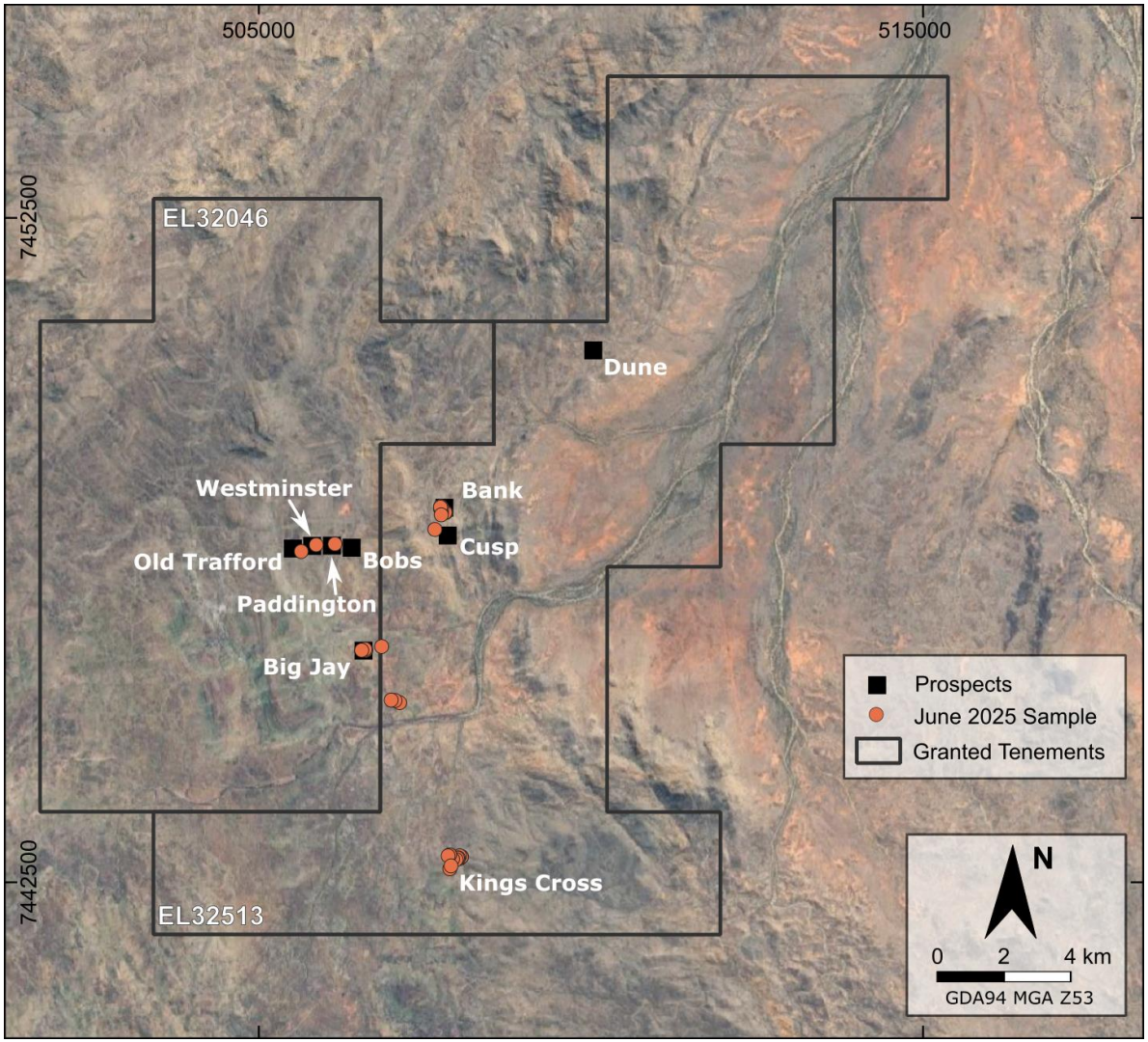
HSR045	HR13 Target	507109	7445199	0.95	N/A	Rock	HR13 Target. Large pegmatite outcrops which intrude through amphibolite unit. Plagioclase rich, minor chlorite alteration. Opaque black mineral appears to correlate with elevated radioactivity. Potentially uraninite. Outcrop is ~3m in width and 15m in length. ~0.95 µSv. ~ trending towards 085.	6/15/2025
HSR046	HR13 Target	507041	7445232	0.65	N/A	Rock	HR13 Target. Large pegmatite outcrops which intrude through amphibolite unit. Plagioclase and mica rich, minor chlorite alteration. Opaque black mineral appears to correlate with elevated µSv. Potentially uraninite. Outcrop is ~2m in width and 60m in length. ~0.65msv. ~ trending towards 090.	6/15/2025
HSR047	HR13 Target	506982	7445238	0.70	N/A	Rock	HR13 Target. Large pegmatite outcrops which intrude through amphibolite unit. Plagioclase and mica rich, minor chlorite alteration. Opaque black mineral appears to correlate with elevated µSv. Potentially uraninite. Outcrop is ~2m in width and 60m in length. ~0.70msv. ~ trending towards 090.	6/15/2025
HSR048	HR17 Target / Big Jay	506563	7445992	0	N/A	Rock	HR17 Target. Sheared an amphibolite unit. Large quartz clasts. The unit is in between two large protruding pegmatite outcrops that are ~40m apart. Trending ~50/090.	6/15/2025
HSR049	HR17 Target / Big Jay	506599	7445989	0	N/A	Rock	HR17 Target. Sheared an amphibolite unit. Minor quartz clasts. The unit is in between two large protruding pegmatite outcrops that are ~40m apart. Trending ~40/090.	6/15/2025
HSR050	HR17 Target / Big Jay	506589	7446005	0	N/A	Rock	Amphibolite contacts with pegmatite unit. Pegmatite is mica-rich with large clasts (3cm by 3cm), qtz + feldspar rich. Amphibolite is sheared with foliation trending ~ 40/090.	6/15/2025
HSR051	HR17 Target / Big Jay	506537	7445989	0	N/A	Rock	Mica-rich pegmatite outcrop adjacent to milky quartz intrusion. Trending EW.	6/16/2025
HSR052	HR17 Target / Big Jay	506838	7446045	0	N/A	Rock	Muscovite-rich, coarse grained feldspar pegmatite adjacent to brittle schist unit. Muscovite up to 5cm by 5cm. Trending EW.	6/16/2025

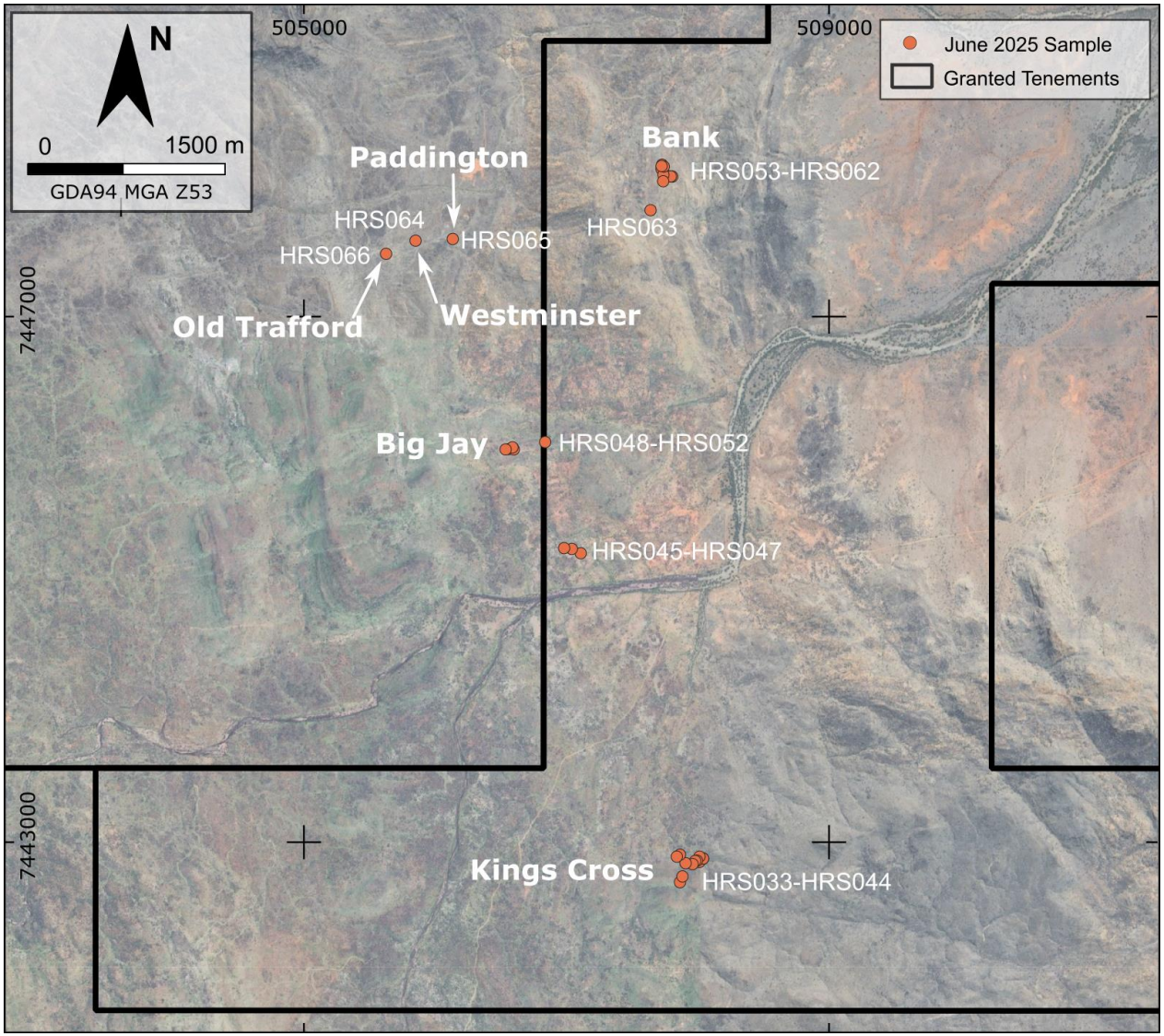
HSR053	Bank	507729	7448156	0	N/A	Rock	Copper prospect, Bank. Soft/brittle foliated gneiss. Malachite disseminated throughout rock. Sugar quartz texture. Biotite and pyroxene/amphiboles in foliated bands. Adjacent to creek bed. Weathered to brown color. Fresh rock is white in color and more clearly exhibits green malachite mineralisation. Trending ~180. Estimated grade is 0.5-3% Cu.	6/16/2025
HSR054	Bank	507725	7448123	0	N/A	Rock	Soft/brittle foliated gneiss. Malachite disseminated throughout rock. Sugar quartz texture. Biotite and pyroxene/amphiboles in foliated bands. Adjacent to creek bed. Weathered to brown colour. Fresh rock is white in colour and more clearly exhibits green malachite mineralisation. Trending along southern trending structure ~180. Estimated grade is 0.5-3% Cu.	6/16/2025
HSR055	Bank	507782	7448068	0	N/A	Rock	Soft/brittle foliated gneiss. Malachite disseminated throughout rock. Sugar quartz texture. Biotite and pyroxene/amphiboles in foliated bands. Adjacent to creek bed. Weathered to brown colour. Fresh rock is white in colour and more clearly exhibits green malachite mineralisation. Trending along southern trending structure ~180. Estimated grade is 0.5-3% Cu.	6/16/2025
HSR056	Bank	507806	7448066	0	N/A	Rock	Soft/brittle foliated gneiss. Malachite disseminated throughout rock. Sugar quartz texture. Biotite and pyroxene/amphiboles in foliated bands. Adjacent to creek bed. Weathered to brown colour. Fresh rock is white in colour and more clearly exhibits green malachite mineralisation. Trending ~180. Estimated grade is 0.5-1.5% Cu.	6/16/2025
HSR057	Bank	507795	7448067	0	N/A	Rock	Amphibolite. Strongly chlorite/sericite altered. Potentially altered by another form of alteration that gives green appearance. Not malachite. It has a soft and very brittle, powdery texture. ~180.	6/16/2025
HSR058	Bank	507732	7488084	0	N/A	Rock	Foliated gneiss. Harder and solid, unlike earlier sampled mineralized gneiss outcrops. Malachite disseminated throughout rock. Sugar quartz texture. Biotite and pyroxene/amphiboles in foliated bands. Adjacent to creek bed. Weathered to brown colour. Fresh rock is white in colour and more clearly	6/16/2025

							exhibits green malachite mineralisation. Trending ~180. Estimated grade is 0.5-3% Cu.	
HSR059	Bank	507739	7448079	0	N/A	Rock	Foliated gneiss. Harder and solid. Malachite disseminated throughout rock. Sugar quartz texture. Biotite and pyroxene/amphiboles in foliated bands. Adjacent to creek bed. Weathered to brown colour. Fresh rock is white in colour and more clearly exhibits green malachite mineralisation. Trending ~180. Estimated grade is 0.5-3% Cu.	6/16/2025
HSR060	Bank	507742	7448142	0	N/A	Rock	Foliated gneiss. Harder and solid. Malachite disseminated throughout rock. Sugar quartz texture. Biotite and pyroxene/amphiboles in foliated bands. Adjacent to creek bed. Weathered to brown colour. Fresh rock is white in colour and more clearly exhibits green malachite mineralisation. Trending ~180. Estimated grade is 0.5-3% Cu.	6/16/2025
HSR061	Bank	507725	7448146	0	N/A	Rock	Foliated gneiss. Harder and solid. Malachite disseminated throughout rock. Sugar quartz texture. Biotite and pyroxene/amphiboles in foliated bands. Adjacent to creek bed. Weathered to brown colour. Fresh rock is white in colour and more clearly exhibits green malachite mineralisation. Trending ~180. Estimated grade is 0.5-3% Cu.	6/16/2025
HSR062	Bank	507737	7448030	0	N/A	Rock	Foliated gneiss. Harder and solid. Malachite disseminated throughout rock. Sugar quartz texture. Biotite and pyroxene/amphiboles in foliated bands. Adjacent to creek bed. Weathered to brown colour. Fresh rock is white in colour and more clearly exhibits green malachite mineralisation. Trending ~180. Estimated grade is 0.5-3% Cu.	6/16/2025
HSR063	Unnamed outcrop	507641	7447810	0	N/A	Rock	Powdery/sandy chlorite altered white rock. Appears to be extremely weathered sandstone amongst mica-rich pegmatite outcrops.	6/16/2025

HSR064	Westminster	505851	7447578	8.0	N/A	Rock	Discontinuous section of Paddington outcrop located 250m west from HRS031. Matching mineral composition, pegmatite unit displaying plagioclase and mica rich alteration intruding through amphibolite. Quartz cap present. Samarskite mineralisation is present amongst highly micaceous section of the outcrop. Geiger counter readings of up to 8 µSv. This section of the pegmatite is and has been offset into three sections by localised shearing. The outcrop is trending E-W, shearing trends at NE-SW. Samples collected ~5cm below surface.	6/17/2025
HSR065	Paddington	506134	7447591	0.6	N/A	Rock	Highly micaceous zone at the knoll of Paddington outcrop. Evident historical sampling had taken place at this precise location. No REE mineralistion detected. ~0.6msv.	6/17/2025
HSR066	Old Trafford	505626	7447478	6.0	N/A	Rock	Plagioclase and qtz rich outcrop, minor muscovite intruded into amphibolite unit. Quartz cap present adjacent to pegmatite unit, both trending ~090. Samarskite present in fragments dispersed consistently within sample area in small clasts (1mm-1cm). Geiger counter readings of up to 6 µSv. Samarskite sampled from surface to 20cm deep. Outcrop is ~2m wide and ~50m in length. Additional inspection of the outcrop is necessary. The outcrop has been named Old Trafford.	6/17/2025

FIGURE A1-2: NEW SAMPLE LOCATIONS





Notes: Coordinates in MGA94Z53S
Source: NFM Team

APPENDIX B: JORC CODE, 2012 EDITION – TABLE 1

The following JORC Code (2012 Edition) Table 1 is primarily supplied to provide background for geological mapping, and rock chip sampling programs, conducted by New Frontier Minerals Limited geology contractors during early April 2025.

Previous ASX releases have been made about mapping and rock chip sampling at the Harts Range Nb-U-REE Mineral Project.

Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *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 pulverised to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.*	• Surface samples were collected from approximately a 3m radius around the recorded coordinate location. The rock chip fragments that were collected to make up the sample included fragments that approximately ranged from 2-5cm and 0.2 - 3kg in weight. A total of thirty-four additional (34) rock chip samples were collected in calico bags and were progressed for laboratory analysis (sample numbers range from HRS033 to 066). Samples were collected from rock outcrops, soils, and occasionally mullock heaps in the vicinity of west to east trending pegmatite dykes. A small percentage of the surface samples contained the U-bearing mineral samarskite.
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).*	• Not Applicable – no exploration drilling results as none were drilled.

Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.*	• Not Applicable – no exploration drilling results as none were drilled.
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.*	• Descriptions of the rock chip and soil samples are given in a table contained in Appendix A (Figures A1-1 through to A1-3) of this CCZ's ASX Announcement dated the 26th of June 2025. • Where appropriate strike and dip measurements were taken at several sites, additional to the thirty-four (34) rock chip sample sites. Measuring bedding is difficult because of the high metamorphically - disturbed rock types.
Subsampling 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.*	• Of the sample collected about 0.3-2kg of rock chip were presented for analyses. • Assays will be presented to independent laboratory Intertek Pty Ltd at Canning Vale Perth WA . The samples were sorted and dried. Primary preparation was then by crushing the whole sample. The whole sample was pulverised in a vibrating disc pulveriser. • All samples were initially crushed to 4 mm then pulverised to 75 microns, with at least 85% passing through 75 microns. Standard sample preparation and analyses procedures were performed on all samples and are considered appropriate techniques.
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.*	Analytical Methods are described in detail as follows: **Au, Pt, Pd** • The samples have been analysed by firing a 40g (approx.) portion of the sample. This is the classical fire assay process and will give total separation of Gold, Platinum, and Palladium in the sample. These have been determined by Inductively

	• *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.*	Coupled Plasma (ICP) Mass Spectrometry. The sample(s) have been digested with a mixture of acids including Hydrofluoric, Nitric, Hydrochloric and Perchloric Acids. This digest approaches a total digest for many elements however some refractory oxides are not completely attacked. • The mineral Cassiterite is not efficiently attacked with this digest. • If Barium occurs as the Sulphate mineral, then at high levels (more than 4000 ppm) it may re-precipitate after the digest giving seriously low results. Using this digest, some sulphur losses may occur if the samples contain high levels of sulphide. **Cu, Zn, Co, Ni, Mn, P, Sc, V, Al, Ca, Na, K, S** have been determined by Inductively Coupled Plasma (ICP) Optical Emission Spectrometry. **As, Ag, Ba, Be, Bi, Cd, Ga, Li, Mo, Pb, Sb, Sn, Sr, W, Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Th, U, Se, In, Te, Cs, Re, Tl** • have been determined by Inductively Coupled Plasma (ICP) Mass Spectrometry. The samples have been fused with Sodium Peroxide and subsequently the melt has been dissolved in dilute Hydrochloric acid for analysis. Because of the high furnace temperatures, volatile elements are lost. This procedure is particularly efficient for determination of Major element composition (Including Silica) in the samples or for the determination of refractory mineral species. **B, Cr, Si, Fe, Mg, Ti** • have been determined by Inductively Coupled Plasma (ICP) Optical Emission Spectrometry. **Ge, Ta, Hf, Zr, Nb, Rb** • have been determined by Inductively Coupled Plasma (ICP) Mass Spectrometry.

		• The assay results are expected to be in line with previous rock chip and drilling results obtained since October 2024 at Harts Range.
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.*	• Independent Laboratory assaying by Intertek has confirmed, within acceptable limits, the occurrences of high-grade Nb, U, and REE from the initial in field XRF readings. Laboratory standards and duplicates were used in accordance with standard procedures for geochemical assaying as noted below. • It has met the recommended insertion rates for the company QAQC controls (standards, blanks) with an overall insertion rate of 20%. However, no field duplicates were included in the three (3) batches and is recommended that 3% be included in future sampling programs. Summary of QAQC insertion rates. • Both the company standards and blanks were verified for elements Nb, U and Dy and returned results within 2 standard deviations (SD). Field duplicates are not present in the batch therefore were not reviewed.
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 spatial location for the rock chips and soils collected during the May and June 2025 fieldwork were collected by handheld GPS (-/+ 5m accuracy) [MGA94 Zone53]: The table of reported rock chip locations and descriptions are given in throughout the ASX release, in Appendix a, and in Figure A1-1 (at the end of the section).
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 Harts Range licenses lie north-west of the Entia Dome and are underlain by the Harts Range Group (Harts Range Meta-igneous Complex), which predominantly consists of feldspar-biotite-amphibole-garnet gneisses. The Harts Range region at has undergone repeated and substantial crustal reworking between Proterozoic and Palaeozoic times and is now thought to represent an ancient and strongly altered/metamorphosed version of a continental collision zone.

		• Most of the observed mineralisation is related to a swarm of west to east and southeast-trending pegmatite dykes, with an anomalous occurrence of the U-bearing mineral samarskite (refer to Figure A2-1). • At the Cusp Prospect, niobium-HREE-Tantalum identified in pegmatites running approximately east-west, up to 10 metres thick and over 70 metres long. • At Bob's Prospect niobium-HREE-Tantalum mineralisation in pegmatites trend east-west and is several metres thick and over 30 metres long, with similar geological setting to the Cusp Prospect. • 200m west of Bobs (Bobs West), outcropping pegmatite along the same orientation, hosted exclusively within felsic gneiss of the Irindina Gneiss. The pegmatite is semi-continuous for ~300m with a similar geological setting and has notably large green muscovite flakes present. • The Niobium Anomaly Prospect is another variant with high Niobium results but low in rare earths and uranium. Elevated radiometrics located with the scintillometer recorded 1,300 cps within a small historic pit at the top of a knoll. Anomalies appear to correlate with intrusions of porphyritic "granitoid" and granitic gneiss, which are geologically consistent with the pegmatites mapped at Bob's and the Cusp Prospects. • The Thorium Anomaly Prospect was previously located via airborne radiometric images. The radiometric anomalies are low order (10 to 20x background) compared to the spot anomalies at Bob's and Cusp (50-200x background). Anomalies appear to correlate with intrusions of porphyritic "granitoid" and granitic gneiss, which presumably are geologically features like the pegmatites at Bob's and the Cusp Prospects.
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*	• In general, the strata of the area surrounding the pegmatite dykes in the Harts Range Meta-Igneous Complex dip steeply (>45 degrees) to the north and strike between east to southeast.

	introduced a sampling bias, this should be assessed and reported if material.	• Rock chip samples were taken at areas of interest from observed mineralisation along and across strike of the line of lode of the mineralised pegmatite dyke (very generally east west tends, secondary structures, surrounding spoil heaps, and across the four (4) anomalous areas originally identified in the planning stage. • However, no modern systematic exploration has been conducted, nor any of the potentially mineralised prospects have ever been drilled.
Sample security	• *The measures taken to ensure sample security.*	• The rock chip samples taken during the historical fieldwork were securely locked within the vehicle on site until delivered to Alice Springs by the field personnel for despatch to the laboratory (InterTech in WA) by courier.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• The sampling techniques and the data generated from the laboratory assay results have been peer reviewed by consultant geologists independent of New Frontier Minerals Limited (Audax Resources and ROM Resources) familiar with the overall Harts Range Project and deemed to be acceptable. • No other external audits sampling techniques and data have yet been planned or undertaken.

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. in the area.*	• The Harts Range Project lies in the south-east of the Northern Territory, roughly 120 kilometres north-east of Alice Springs. Two granted tenements (EL 32046 and 32513) comprising a total 110 km^2 tenement package is located near essential infrastructure and accessible via the Plenty Highway. • A check on the tenures status was completed in the NTGS system 'Strike' on the 10 of October 2024, to validate the currentness of the exploration areas. All are current. • The region is serviced by excellent roads (Stuart Highway), train (the famous Ghan rail) and bus links connect the area. • Domestic and some international flights are available from Alice Springs (1 hour drive south of Harts Range) while all international flights are available direct from Darwin. • As a major regional centre, the town of Alice Springs provides public and private schools. There are churches, supermarkets, speciality shops, hotels, motels, cafés & restaurants, medical centres. • There is a professional police and emergency services presence throughout the area. Local professional and trade services support the community and the mining industry. Mobile phone and internet access are good.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• Historical "Strike"-based mineral exploration reports have been reviewed for historical tenures that cover or partially cover the Project Area in this announcement. Federal and State Government reports supplement the historical mineral exploration reporting (QDEX open file exploration records).

		• Most explorers were searching for either Cu-Au-U, gemstones, or industrial minerals in the 1990's, and proving satellite deposit style extensions to the several small subeconomic uranium or copper deposits. • The project is flanked by Independence Group (IGO) to the north, south and west. IGO is exploring for a raft of critical battery minerals.
Geology	• *Deposit type, geological setting, and style of mineralisation.*	**Regional Geology** • The Harts Range Niobium, Uranium-Heavy Rare Earth Project lies north-west of the Entia Dome (Figure A2-1) and is underlain by the Harts Range Group (Harts Range Meta-igneous Complex), which predominantly consists of feldspar-biotite-amphibole-garnet gneisses. • The Harts Range region has undergone repeated and substantial crustal re-working between Proterozoic and Palaeozoic times. As a result, it is now believed to represent an ancient and strongly altered/metamorphosed version of a continental collision zone. • Magnetotellurics data interpreted by a team consisting of Adelaide University and NTGS geologists (Selway et al, 2006) suggests the Entia Dome system is a deep-crustal feature that can be shown extending to the mantle. • The below maps (Figures A2-2 and A2-3) show a traverse through the Arunta from north to south and skirted around the dome to the east and highlighting a major subduction zone to the north of the dome. The latter diagram shows the distribution of regional stratigraphic units.

FIGURES A2-1: REGIONAL STRUCTURE PLAN

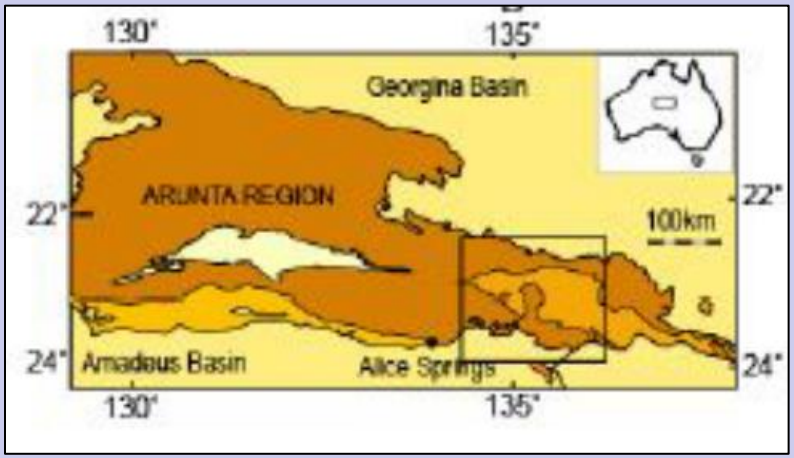


FIGURE A2-2: WEST TO EAST REGIONAL CRUSTAL CROSS-SECTION

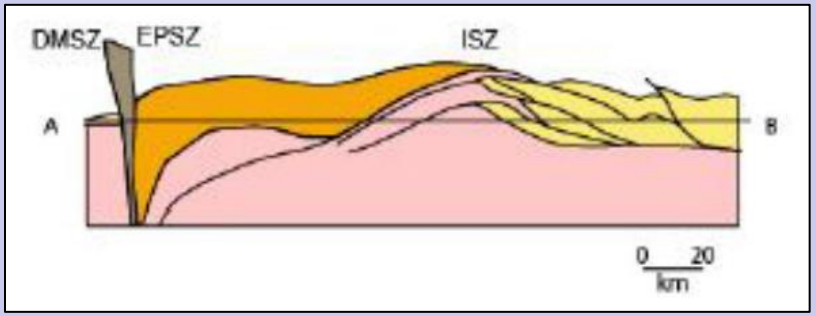
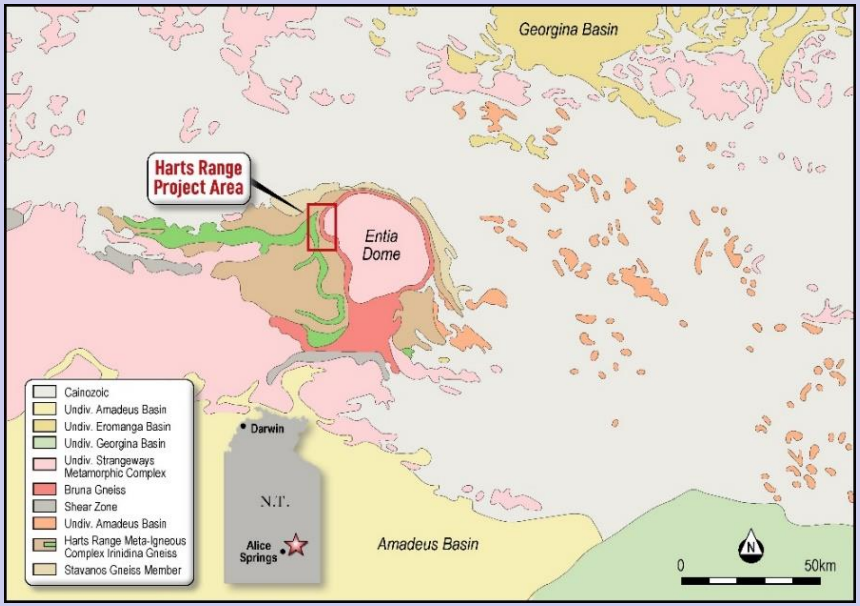


FIGURE A2-3: REGIONAL GEOLOGY



Local Geology

- The main rock types mapped and sampled at various REE Prospects include:
    - Biotite Schist/Granofels: brown-blackish biotite-rich rock; thin (5-10cm) poorly exposed zone on N side of ~6m thick unit/zone of similar rock (e.g. HR398, HR399 sites) (on N side of HR399).
    - Pegmatite, apatite-bearing: scree frags near W end of E-W pegmatite, near intersection with north-south calcite vein; very coarse-grained feldspar-quartz with common coarse apatite - pale semi-translucent slightly greenish (rare honey-brown) blocky/tabular/hexagonal, some intergrown with feldspar/quartz.
    - Garnet-Cummingtonite rock: coarse-grained rock; with abundant interstitial pale greenish malachite-magnesite material; small patch of sub-crop amongst scree.

		○ Gneiss: weathered, moderately banded, fine-to-medium grained quartz-feldspar-hornblende-garnet; some coarser quartz-garnet rock; some brown haematite on fractures; sample below HR444. ○ Ultramafic Rocks: slightly weathered medium grained, greenish/brownish amphibole/olivine-dominated meta-ultramafic. ○ Amphibolite: grey fine-grained hornblende -quartz rock; (approx. adjacent rough channel samples: HR461 (1m) above HR462 (3m) above HR463 (3m) above HR464 (1m)). ○ Samarskite (or similar), being a dense brittle blackish lustrous radioactive mineral; cluster of 10+ fragments, most over 1cm (or broken weathered larger piece - ca. 5-10 cm) in chalky white feldspar, beside weathered coarse mica beneath soil cover along southern side of quartz vein in a pegmatite core.
Drillhole 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: o easting and northing of the drill hole collar* o *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar* o *dip and azimuth of the hole o down hole length and interception depth o 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.*	• Not Applicable – no exploration drilling results presented.
Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.*	• Independent Laboratory Assay results for the 28 rock chip samples from various Harts Range Prospects were averaged if more than one reading or determination was given. There was no cutting of high-grade REE results as they are directly relatable to high grade mineralisation styles readily visible in the relevant samples. • There were no cut-off grades factored into any reporting of the laboratory assay results.

	• *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').*	• The June 2025 rock chip and soil samples were taken at areas of interest from observed mineralisation along the line of lode of the mineralised pegmatite dyke, secondary structures, and surrounding spoil heaps. Thirty-four (34) rock chip samples collected from rock faces and/or outcrops.
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 diagrams are presented in the body and the Appendices of the current ASX Release. Where scales are absent from the diagram, grids have been included and clearly labelled to act as a scale for distance. • Maps and Plans presented in the current ASX Release are in MGA94 Zone 53, Eastings (mN), and Northing (mN), unless clearly labelled otherwise.
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 avoiding misleading reporting of Exploration Results.*	• Rock chip samples were taken at areas of interest from observed mineralisation along the line of lode of the mineralised pegmatite dyke, secondary structures, surrounding spoil heaps, to check the validity of the defined seven (5) anomalous map areas.
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 area is covered by regional airborne government and private radiometric, gravity, magnetic, and hyperspectral surveys. Unfortunately, other than the 2006 radiometric ground survey, no other ground surveys have been undertaken. • Substantial historical and current ground geochemical (stream sediment, soil, and rock chip samples have been undertaken and two episodes of shallow drilling, mostly for industrial minerals (gemstones and vermiculite) by the various owners of the leases, since 2006.

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.*	A future exploration strategy should encompass the following steps in subsequent field programs: ○ Close-spaced radiometric geophysical surveys. ○ Detailed mapping and rock chip sampling across prospects. ○ Regional soil sampling campaigns. ○ Mineral characterisation studies and petrological analysis. ○ Target generation and prioritisation; and ○ Exploratory RC drill-testing.

APPENDIX C: Intertek Assay Results HRS033-HRS066

TREO Calculations

New Frontier Minerals have used the following REEs for the below TREO definitions and ratio calculations:

1. TREO = Ce + Dy + Er + Eu +Gd + Ho + La + Lu + Nd + Pr + Sm + Tb = Tm + Y + Yb (as oxides)
2. HREO = Ho + Er + Tm + Yb + Lu + Y + Dy + Tb (as oxides)
3. HREO/TREO (%) = (Sum of HREOs / Sum of TREOs) × 100

ELEMENTS	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	CeO2	Co	Cr	Cs	Cu	CuO	Dy	Dy2O3
UNITS	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
SAMPLE NUMBERS																			
HRS033	4	X	9.83	X	X	619	3	0.2	1	X	103.9	128	24	X	3.6	216	271	6.7	7.7
HRS034	X	X	10.23	X	X	812	3	0.1	1.2	X	112.6	138	29	X	4.1	22	X	5.7	6.5
HRS035	2	X	13.5	X	X	279	X	6.8	15.5	X	159.6	196	5	X	0.6	X	X	9.1	10.5
HRS036	1	X	12.69	X	X	793	4	0.2	0.3	X	137.4	169	33	X	4.9	X	X	5.1	5.8
HRS037	X	X	10.37	X	X	856	3	0.2	1.3	X	109.9	135	23	X	6.5	27	X	4.6	5.3
HRS038	X	X	10.36	X	X	609	4	0.2	0.9	X	129.9	160	23	X	6.3	27	X	6	6.8
HRS039	1	X	6.06	X	X	595	2	X	0.2	X	52.2	64	7	X	2.3	X	X	2.3	2.6
HRS040	X	X	6.97	X	X	1186	1	0.3	0.2	X	44.6	55	7	X	1.2	39	49	3.4	3.9
HRS041	X	X	7.75	X	X	540	2	0.1	2.3	X	64.5	79	24	X	2.4	75	94	4.7	5.4
HRS042	3	X	0.53	X	X	238	X	0.2	36.8	X	9.5	12	5	X	0.7	22	X	0.7	0.8
HRS043	2	X	11.76	X	X	866	5	0.1	0.3	X	152.1	187	29	X	4.7	X	X	9.3	10.6
HRS044	2	X	9.8	X	X	756	4	0.2	0.6	X	102.6	126	19	X	2.4	X	X	5.4	6.2
HRS045	X	X	7.8	X	X	53	10	1.4	0.9	X	4.1	5	X	X	8	X	X	10.1	11.6
HRS046	X	X	8.19	X	X	53	4	0.8	0.2	X	2.5	3	X	X	18.2	X	X	7.3	8.4
HRS047	X	X	8.34	X	X	35	3	0.3	0.1	X	1.2	2	X	X	23.8	X	X	1.9	2.1
HRS048	2	X	8.91	X	X	567	4	0.2	1.2	X	111.3	137	21	X	4.8	30	X	6.1	7
HRS049	2	X	9.56	X	X	646	3	0.1	1	X	112.4	138	23	X	4.9	34	43	5.8	6.7
HRS050	1	X	8.36	X	57	115	9	0.7	0.3	X	21.7	27	2	X	16.8	X	X	17.5	20
HRS051	X	X	7.99	X	350	113	3	0.3	X	X	8.1	10	2	X	8.7	X	X	27.1	31.1
HRS052	2	X	9.16	X	X	96	5	0.3	0.4	X	4.5	6	2	X	4.1	X	X	4.4	5.1
HRS053	44	X	8.86	X	X	984	X	9.5	2	X	53.5	66	5	X	1.7	11010	13782	23.5	27
HRS054	36	X	9.71	X	X	1240	X	5.1	1.8	X	56.5	69	4	X	3.6	8667	10849	22.5	25.9
HRS055	19	X	9.63	X	X	702	X	4	0.6	X	28	34	2	X	3.4	6529	8172	11.7	13.5
HRS056	2	X	5.75	X	X	451	X	0.8	0.3	X	13.4	16	1	X	1.6	1609	2014	0.8	0.9
HRS057	1	X	8.22	X	X	56	3	1.7	13.2	X	70.6	87	16	X	X	50	63	5	5.7
HRS058	38	X	9.65	X	X	1559	X	4.1	3.7	X	173	212	6	X	2.4	7926	9922	35.3	40.5
HRS059	4	X	9.09	X	X	1374	X	1.5	1.4	X	63.3	78	5	X	3	1869	2339	24.9	28.6
HRS060	X	X	5.88	X	X	760	X	0.1	0.5	X	6.5	8	1	X	2.3	42	53	1.1	1.2
HRS061	125	X	9.23	X	X	1463	X	2.6	1.2	X	96.7	119	3	X	1.9	7909	9900	18.6	21.3
HRS062	59	9	9.3	X	X	787	X	17.2	3.5	X	30	37	8	X	3.3	21704	27169	11.9	13.7
HRS063	1	X	8.15	X	X	40	2	0.2	3.3	X	46.8	58	3	X	0.2	56	70	3.5	4
HRS064	2	X	6.86	81	115	81	9	2.7	0.7	X	87.3	107	3	X	2.3	394	493	4784.6	5491.2
HRS065	X	X	15.48	X	55	421	10	0.4	0.1	X	16.2	20	6	X	20.5	43	54	9	10.3
HRS066	X	X	5.11	X	X	250	3	7.2	0.9	X	79.9	98	7	X	1.6	84	105	847.2	972.3

ELEMENTS	Er	Er2O3	Eu	Eu2O3	F	Fe	Ga	Gd	Gd2O3	Ge	Hf	Ho	Ho2O3	In	K	La	La2O3	Li	Lu	Lu2O3
UNITS	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
SAMPLE NUMBERS																				
HRS033	4	4.5	1.5	1.7	1297	7.66	27	6.7	7.7	2	5.1	1.3	1.5	0.1	3.28	54	63.3	29	0.5	0.5
HRS034	3.4	3.9	1.4	1.6	1314	7.17	30	6.2	7.1	2	4.6	1.2	1.3	0.1	3.41	47.6	55.8	31	0.5	0.5
HRS035	5.1	5.8	2.8	3.3	531	7.4	47	11.7	13.5	3	5.9	1.8	2	0.2	0.54	95.4	111.9	8	0.6	0.7
HRS036	3.2	3.6	1	1.1	1344	7.44	36	4.7	5.4	2	4.6	1.1	1.3	0.1	3.66	31.1	36.5	34	0.4	0.5
HRS037	2	2.3	1.5	1.7	1292	6.2	31	6.3	7.2	2	5.5	0.8	0.9	X	4.67	55.8	65.4	26	0.2	0.2
HRS038	3.1	3.6	1.4	1.6	1244	6.48	32	7.1	8.2	2	5.1	1.1	1.3	X	4.57	55.7	65.3	25	0.3	0.4
HRS039	1.1	1.3	0.7	0.8	508	2.3	14	2.6	3.1	1	1.5	0.5	0.5	X	3	26.4	30.9	9	0.2	X
HRS040	2.3	2.7	1.2	1.4	584	2.22	12	3.4	3.9	2	1.2	0.8	0.9	X	3.21	22.5	26.4	8	0.3	0.4
HRS041	3.3	3.7	1.2	1.4	671	5.74	20	4.6	5.4	2	8.1	1.1	1.2	X	2.41	31.9	37.4	25	0.5	0.6
HRS042	0.4	0.5	0.2	X	153	0.41	X	0.8	0.9	X	1	0.2	X	X	0.38	4.8	5.6	X	X	X
HRS043	5.5	6.3	2	2.3	1129	9.19	36	9.4	10.8	2	5.1	1.9	2.2	0.1	3.25	77.7	91.1	33	0.7	0.8
HRS044	3	3.4	1.5	1.7	912	5.76	26	6.4	7.3	2	3.6	1	1.2	X	2.9	52.5	61.6	15	0.3	0.4
HRS045	7.1	8.1	0.2	X	542	0.8	32	3	3.5	3	1.4	2.4	2.7	X	2.62	1.8	2.1	18	0.9	1.1
HRS046	2.9	3.3	0.2	X	183	0.52	33	4.4	5.1	4	0.9	1.2	1.3	X	7.86	1.3	1.5	8	0.2	0.3
HRS047	1.1	1.2	0.1	X	1141	0.85	44	0.9	1.1	4	1.2	0.4	0.4	X	7.78	0.8	0.9	35	0.1	X
HRS048	3	3.4	1.5	1.8	1011	5.39	24	7	8.1	2	5.6	1.1	1.3	X	3.23	55.8	65.4	35	0.4	0.5
HRS049	2.7	3.1	1.6	1.9	1130	6.06	27	7.2	8.3	2	5.7	1	1.2	0.1	3.2	59	69.2	32	0.3	0.4
HRS050	10.4	11.8	0.2	0.3	991	2.25	77	8.8	10.1	4	5.4	3.5	4	0.3	3.41	11.3	13.2	7	1.6	1.8
HRS051	19.6	22.4	0.3	0.4	602	1.84	62	9.1	10.4	2	14.9	6.5	7.4	0.3	3.66	2.9	3.4	7	2.5	2.8
HRS052	4.8	5.5	0.2	0.3	514	1.46	48	1.3	1.4	3	3.1	1.3	1.5	0.2	3.57	2.6	3	X	1.1	1.2
HRS053	14	16	2.1	2.5	967	1	11	17.2	19.8	2	0.9	5	5.7	X	5.32	22.1	25.9	5	1.2	1.4
HRS054	13.8	15.8	2	2.4	927	0.94	21	16.4	19	2	0.3	4.8	5.5	X	8.71	22.8	26.8	X	1.3	1.4
HRS055	6.7	7.7	1.5	1.8	451	0.7	16	8.5	9.8	3	0.2	2.4	2.7	X	10.39	13.6	15.9	X	0.7	0.8
HRS056	0.7	0.8	1	1.2	102	0.39	6	0.6	0.7	2	0.9	0.2	0.3	X	5.97	9.7	11.4	X	X	X
HRS057	2.7	3.1	1.4	1.6	255	6.55	24	5.8	6.7	4	3.9	1	1.1	0.2	0.07	36.6	43	X	0.4	0.4
HRS058	21.8	24.9	3.3	3.8	1062	1.87	14	27.8	32	3	1.3	7.7	8.8	X	3.49	73.2	85.8	9	2.1	2.4
HRS059	15.9	18.2	2.2	2.6	996	1.12	11	17.8	20.5	2	1.2	5.6	6.4	X	9.87	26.9	31.5	5	1.5	1.7
HRS060	1.1	1.3	0.7	0.8	98	1.01	7	0.6	0.7	2	9.1	0.2	0.3	X	5.74	3.9	4.5	X	0.3	0.4
HRS061	10.9	12.5	2.2	2.5	719	0.62	11	15.5	17.8	2	1.1	3.8	4.3	X	9.36	39.1	45.8	X	1.1	1.2
HRS062	7.2	8.2	1.2	1.4	602	1.69	12	8.8	10.1	2	0.1	2.6	3	X	1.89	14	16.5	9	0.8	0.9
HRS063	2	2.2	0.6	0.7	149	0.7	15	3.3	3.9	X	4.7	0.6	0.7	X	0.13	26	30.5	X	0.3	0.3
HRS064	4523.7	5172.7	40.2	46.5	871	1.37	30	1557	1794.7	3	41.7	1276.4	1462.1	X	1.95	30.4	35.7	18	776.1	882.6
HRS065	7.9	9	0.4	0.5	3975	3.15	65	4.3	4.9	3	2	2.3	2.6	0.2	7.76	9.4	11.1	71	1.4	1.5
HRS066	270.2	308.9	3	3.5	147	1.91	15	495.5	571.2	2	17.2	123.9	141.9	0.1	1.9	24.7	29	X	21.9	24.9

ELEMENTS	Mg	Mn	Nb	Nb2O5	Nd	Nd2O3	P	Pb	Pd	Ga2O3	Pr	Pr6O11	Pt	Rb	Rb2O	Re	S	Sb	Sc	Se
UNITS	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm
SAMPLE NUMBERS																				
HRS033	2.12	X	14	20	45.5	53	0.08	X	0.8	36	12.9	15.5	1	192.4	210	X	X	X	20	X
HRS034	2.2	X	14	20	39.7	46.3	0.07	X	0.7	40	11.2	13.5	1.1	217.6	238	X	X	X	23	X
HRS035	0.35	X	12	X	74.4	86.7	0.08	29	X	63	20.2	24.4	X	40.4	44	X	X	1	30	X
HRS036	2.35	X	14	20	27.7	32.3	0.06	X	1.5	48	7.8	9.4	1	212.4	232	X	X	X	23	X
HRS037	1.91	X	11	X	46.3	54	0.09	X	X	41	12.6	15.3	0.9	263.5	288	X	X	X	X	X
HRS038	1.82	X	12	X	47.6	55.5	0.06	X	X	43	13.2	15.9	1.1	257	281	X	X	X	X	X
HRS039	0.55	X	X	X	21	24.5	0.05	X	0.6	19	5.8	7	X	140.3	153	X	X	X	X	X
HRS040	0.49	X	X	X	18.1	21.1	0.06	X	X	17	4.9	5.9	X	160.5	175	X	X	X	X	X
HRS041	1.98	X	13	X	28.8	33.6	0.07	X	X	27	7.8	9.4	0.8	147	161	X	X	X	21	X
HRS042	0.44	X	X	X	4.4	5.1	0.07	X	1.6	X	1.1	1.4	0.6	19.1	21	X	X	X	X	X
HRS043	2.14	X	14	X	62.1	72.4	0.06	X	X	49	17.4	21	1.1	196	214	X	X	X	23	X
HRS044	1.49	X	11	X	42.2	49.2	0.06	26	0.7	34	11.7	14.1	0.8	152	166	X	X	X	X	X
HRS045	0.05	X	91	131	1.7	2	X	101	X	44	0.4	0.5	X	265.3	290	X	X	2.5	X	X
HRS046	0.02	X	86	124	1.4	1.7	X	184	X	45	0.3	0.4	X	757.8	829	X	X	0.8	X	X
HRS047	0.07	X	81	116	0.6	0.7	X	175	X	59	0.1	X	X	873.5	955	X	X	0.9	X	X
HRS048	1.55	X	17	24	46.8	54.6	0.08	29	0.6	32	13.1	15.8	1.1	216.3	237	X	X	X	X	X
HRS049	1.67	X	14	X	48.2	56.2	0.08	26	0.9	37	13.1	15.8	1.1	211.4	231	X	X	X	X	X
HRS050	0.13	0.3	202	289	12.2	14.3	0.01	27	X	104	3.2	3.8	X	487.6	533	X	X	X	78	X
HRS051	0.21	X	258	369	3.4	4	0.02	27	X	83	0.8	0.9	X	380.1	416	X	X	X	66	X
HRS052	0.09	X	86	123	2.1	2.4	X	56	X	65	0.6	0.8	X	279.3	305	X	X	X	28	X
HRS053	0.37	X	X	X	31.7	37	0.52	31	0.6	15	7.4	9	X	167	183	X	X	X	X	X
HRS054	0.34	X	31	44	34.5	40.2	0.5	51	7.9	28	8	9.7	15	302.8	331	X	X	X	X	X
HRS055	0.21	X	X	X	16.5	19.2	0.23	69	X	21	4.1	4.9	X	380.4	416	X	X	X	X	X
HRS056	0.04	X	X	X	4.1	4.7	0.03	35	X	8	1.3	1.6	X	230.9	253	X	X	X	X	X
HRS057	1.25	0.3	X	X	33.9	39.6	0.06	X	X	32	8.6	10.3	0.7	2.4	3	X	X	1.9	X	X
HRS058	0.59	X	11	X	82.4	96.2	0.63	33	X	19	21.6	26.1	X	136.2	149	X	X	X	X	X
HRS059	0.44	X	X	X	39	45.5	0.52	66	0.5	15	9.2	11.1	X	341.9	374	X	X	X	X	X
HRS060	0.04	X	X	X	2.5	3	0.03	32	X	9	0.7	0.9	X	245.2	268	X	X	X	X	X
HRS061	0.3	X	X	X	43.3	50.5	0.33	65	0.9	14	11.5	13.9	X	266.6	292	X	X	X	X	X
HRS062	0.7	X	X	X	19.1	22.2	0.26	25	X	17	4.4	5.4	X	102.8	112	X	0.07	X	X	X
HRS063	2.27	X	X	X	18.8	21.9	0.02	X	1.1	20	5.3	6.4	2	4.6	5	X	X	X	X	X
HRS064	0.13	X	56	80	189	220.5	1.17	425	0.5	40	19.7	23.8	1	156.6	171	0.4	X	1.2	X	X
HRS065	0.78	X	77	111	8.2	9.6	0.01	30	X	88	2.1	2.6	X	602.5	659	X	X	0.5	X	X
HRS066	0.13	0.3	13423	19202	143.8	167.7	0.03	441	X	20	18.7	22.6	X	79.5	87	X	X	1.5	28	X

ELEMENTS	Si	Sm	Sm2O3	Sn	Sr	Ta	Ta2O5	Tb	Tb4O7	Te	Th	Ti	TiO2	Tl	Tm	Tm2O3	U	U3O8
UNITS	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm
SAMPLE NUMBERS																		
HRS033	27.7	8.2	9.6	5	97	0.8	1	1	1.2	X	24.1	0.49	0.8	0.9	0.5	0.6	1.1	1.3
HRS034	27.3	7.6	8.8	8	310	0.8	1	1	1.1	X	21.1	0.53	0.9	1.1	0.5	0.5	1.5	1.7
HRS035	18.2	13.9	16.1	9	1364	0.6	0.7	1.6	1.9	X	23.8	0.46	0.8	X	0.6	0.7	3.6	4.3
HRS036	26.8	5.3	6.2	6	58	0.8	0.9	0.8	0.9	X	30.6	0.53	0.9	1.2	0.5	0.6	1.1	1.3
HRS037	26.9	8.1	9.4	7	233	0.6	0.7	0.8	1	X	24.3	0.44	0.7	1.2	0.3	0.3	0.9	1
HRS038	27.8	8.7	10.1	5	140	0.6	0.7	1	1.2	X	29.5	0.42	0.7	1.2	0.4	0.5	1.6	1.8
HRS039	37.6	3.6	4.2	2	75	0.2	0.3	0.4	0.4	X	10.4	0.14	0.2	0.5	0.1	X	0.6	0.7
HRS040	36.3	3.6	4.1	3	76	0.1	X	0.6	0.7	X	7.5	0.15	0.2	0.6	0.3	0.4	0.8	1
HRS041	30.7	5.4	6.2	3	164	0.7	0.9	0.7	0.9	X	17	0.57	0.9	0.7	0.5	0.6	1.5	1.7
HRS042	2.6	0.9	1.1	X	779	X	X	0.1	X	X	1.7	0.06	0.1	X	X	X	0.8	0.9
HRS043	25.5	11.3	13.1	8	70	0.6	0.7	1.5	1.8	X	29.8	0.55	0.9	1	0.9	1	2.2	2.6
HRS044	30.6	7.7	8.9	6	81	0.3	0.4	1	1.2	X	20.7	0.38	0.6	0.6	0.4	0.4	1.4	1.6
HRS045	34.2	0.9	1.1	3	27	15.5	18.9	1.1	1.3	X	4.1	X	X	1.3	1.2	1.3	18	21.2
HRS046	33.8	1.6	1.8	X	27	32.5	39.7	1.1	1.3	X	4.7	X	X	3.5	0.4	0.4	18.3	21.6
HRS047	33.4	0.3	0.3	5	X	13.4	16.4	0.2	0.3	X	0.9	X	X	4	0.2	0.2	3.6	4.3
HRS048	30.2	9.3	10.7	5	159	1.3	1.6	1	1.2	X	22.6	0.42	0.7	1.1	0.5	0.5	2.8	3.3
HRS049	29.3	9.1	10.6	6	137	1	1.3	1	1.2	X	22	0.43	0.7	1	0.4	0.4	2.2	2.6
HRS050	34.6	5.1	5.9	29	22	42.5	51.9	2.2	2.6	X	11.8	0.06	X	1.7	1.6	1.9	11.1	13.1
HRS051	34.8	2.7	3.1	24	23	35.4	43.2	2.9	3.5	X	12.2	0.06	X	1.2	2.9	3.3	13.2	15.6
HRS052	33.5	0.7	0.8	13	31	7.6	9.3	0.4	0.5	X	2	X	X	1.1	0.9	1.1	3.4	4
HRS053	27.7	12.2	14.1	X	233	0.9	1.2	3.4	4	12	3.1	0.08	0.1	0.6	1.8	2.1	2.8	3.3
HRS054	28.9	11.9	13.8	4	266	4	4.9	3.3	3.8	8	3.6	0.08	0.1	1.2	1.8	2.1	2.2	2.6
HRS055	29.6	5.8	6.8	X	175	0.6	0.8	1.7	2	8	1.7	0.05	X	1.6	0.9	1	1.4	1.6
HRS056	35.6	0.6	0.7	X	90	X	X	0.1	X	X	0.9	X	X	0.9	X	X	0.6	0.8
HRS057	24	7	8.1	4	156	1.1	1.4	0.8	1	X	15.8	0.35	0.6	X	0.4	0.4	5.9	7
HRS058	27.3	23.8	27.6	X	373	0.4	0.5	5.4	6.3	9	51.9	0.19	0.3	0.6	2.7	3.1	5.3	6.2
HRS059	29.4	13.1	15.2	X	253	0.3	0.4	3.5	4.2	2	5.6	0.1	0.2	1.3	1.9	2.2	2.6	3
HRS060	37.2	0.6	0.7	X	97	0.1	X	0.1	X	X	1	X	X	1.1	0.2	0.3	1.2	1.4
HRS061	28.7	12.4	14.4	X	282	0.2	0.2	2.8	3.3	7	21.8	0.06	0.1	1.1	1.4	1.6	2	2.4
HRS062	29.2	6	7	X	457	0.5	0.6	1.7	2	21	1.2	0.15	0.3	0.6	1	1.2	1.2	1.4
HRS063	32.9	3.7	4.3	X	508	0.4	0.5	0.5	0.6	X	28.3	0.07	0.1	X	0.3	0.3	2	2.4
HRS064	28.1	341.2	395.7	4	82	13.6	16.6	497.7	585.4	X	1622.6	X	X	0.6	742.4	847.9	2399.6	2829.7
HRS065	24.3	2.4	2.8	7	33	36.2	44.3	1.1	1.3	X	6.8	0.23	0.4	2.5	1.3	1.5	3.1	3.7
HRS066	36.1	195.6	226.8	16	93	2569.8	3137.8	131.1	154.2	X	645.5	0.12	0.2	X	33.7	38.5	7569.3	8926

ELEMENTS	V	W	WO3	WTTOT	Y	Y2O3	Yb	Yb2O3	Zn	Zr
UNITS	ppm	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm
SAMPLE NUMBERS										
HRS033	111	2	3	696	32.4	41	3.3	3.7	110	202
HRS034	129	4	5	824	28.9	37	2.6	3	123	164
HRS035	190	4	5	1262	46.6	59	3.8	4.4	X	202
HRS036	128	6	8	948	25.9	33	3	3.4	147	165
HRS037	112	4	5	785	17.3	22	1.3	1.5	108	207
HRS038	130	3	4	1278	28.4	36	2.2	2.5	115	194
HRS039	X	3	4	612	11	14	1.2	1.4	28	56
HRS040	X	6	7	757	20.4	26	2.5	2.8	31	46
HRS041	143	3	4	888	27.3	35	3.4	3.9	62	301
HRS042	X	2	3	638	4.1	5	0.4	0.5	X	41
HRS043	140	3	4	1929	49.5	63	5.1	5.8	144	198
HRS044	101	3	4	1633	26	33	2.5	2.8	102	138
HRS045	X	7	8	616	76.2	97	7.2	8.2	X	14
HRS046	X	6	7	859	55.2	70	2.2	2.5	X	13
HRS047	X	8	11	547	16.8	21	1.1	1.2	33	15
HRS048	106	2	3	1003	28.4	36	2.9	3.3	91	190
HRS049	100	3	4	712	27.1	34	2.5	2.8	107	198
HRS050	X	13	16	1251	154	196	12.3	14.1	33	56
HRS051	X	20	25	918	204.3	259	17.9	20.4	X	207
HRS052	X	10	13	826	34.4	44	5.9	6.7	X	71
HRS053	X	4	5	829	127.2	162	10.2	11.7	X	34
HRS054	X	4	5	941	123.6	157	10	11.4	X	15
HRS055	X	5	6	896	65.2	83	5.5	6.2	X	15
HRS056	X	3	4	1019	5.4	7	0.7	0.8	X	46
HRS057	82	37	46	578	26.8	34	2.7	3.1	50	134
HRS058	57	3	4	794	193.8	246	15.9	18.1	28	50
HRS059	X	3	4	694	138.4	176	11.3	12.9	22	36
HRS060	X	3	4	956	7.6	10	1.8	2	X	309
HRS061	X	3	4	551	99.3	126	8.3	9.4	X	43
HRS062	X	4	4	649	66.5	84	5.8	6.6	31	9
HRS063	X	4	5	290	17.8	23	1.9	2.1	X	115
HRS064	102	11	14	291	39610.1	50302	5229	5954.2	X	745
HRS065	92	51	64	834	73.3	93	9	10.3	33	46
HRS066	X	696	877	472	3424.7	4349	192.6	219.3	260	271