# INDUSTRY COMPARABLE URANIUM EXTRACTION ACHIEVED WITH ACID REDUCTION

## Highlights

- **Confirmation of industry comparable uranium extraction:** Further testwork was undertaken and confirmed that the leach rates at industry standard concentrations and conditions were consistent with existing uranium development projects and operations
- **>90% Uranium extraction:** Low acid uranium extraction still rising at the end of the test with >90% uranium extraction calculated after 59 hours retention time, at a significantly reduced acid addition rate
- **Both acid and alkaline conditions provide process optimisation paths:** uranium extractions generated by both acid and alkaline conditions were industry comparable, providing process optimisation options for both routes.

**Haranga Resources Limited (ASX:HAR; FRA:65E0; "Haranga" or "the Company")** is pleased to announce the results of an initial sighter leach test program conducted on drill core from the Saraya Uranium Deposit, undertaken by SGS Lakefield (Canada) and supervised by Independent Metallurgical Operations (IMO) in a program of ore characterisation, which commenced in March 2024.

**Managing Director, Mr. Peter Batten, commented: "***These further results from the ore characterisation testwork are very positive. The initial, aggressive, testwork had already proven that the uranium mineralisation within the Company's Saraya deposit[1]* ***(12.45Mt @ 587ppm $eU_3O_8$ for 16.1 Mlbs $U_3O_8$, Inferred)*** *was leachable. This next round of tests was undertaken to determine if the leach rates at industry standard concentrations and conditions were consistent with existing uranium operations. Uranium recoveries are in line with industry standards from both acid and alkaline routes and provide further scope to optimise extractions using both routes and determine which method is likely to provide optimum project economics.*

*Both low acid and alkaline leach recoveries were 84%, similar to other uranium late stage development projects and operations and gives Haranga two options to consider when we approach any feasibility studies for the Saraya Uranium Deposit".*

### Background Metallurgical Testwork

As part of the preparation for a Maiden Resource Estimate[1], Haranga completed 22 diamond core drill holes at Saraya[2] to confirm the validity of the 65,000m drill hole database that existed at Saraya from previous explorers (Cogema and Areva). The results from this drilling confirmed the presence and tenor of the uranium mineralisation at Saraya. This resource estimate was classified as 100% Inferred due, in part, to the lack of leach tests proving the uranium in the Saraya deposit could be successfully extracted.

Given there had been no previous metallurgical testwork for Saraya, Perth based specialist metallurgical services group - Independent Metallurgical Operations Pty Ltd (IMO) were engaged by Haranga to conduct first pass sighter leach test work with the aim of determining first pass uranium recoveries from a composite sample which represented the uranium grade and mineralogy from the resource estimate. Metallurgical testwork was conducted at SGS Lakefield (SGS) in Canada under IMO's guidance.

Prior to conducting the testwork, IMO conducted a literature review to determine suitable testwork conditions to confirm first pass extractions and what industry established methods would be suitable for leaching of the Saraya material.

Commercial plant acid extractions ranged from 85-90% with current commercial alkaline extractions at approximately 90%.

**Testwork Sample**

The metallurgical sample has been composited from a number of holes at varying depths to closely represent the results of the Mineral Resource Estimate[1] ("MRE") for Saraya.

To compile the sample Haranga relied on existing core from 22 diamond core holes completed by Haranga in 2022 and previously reported in ASX release "Drilling Results Confirm Wide Shallow High Grade Uranium"[2] released on February 28 2023.

The samples were selected from varying locations and depths to realistically represent the mineralised episyenite at Saraya. In all, 243 samples contributed to the bulk sample and these are listed in Appendix 1. Approximately 150 gms was subsampled from each drill core sample and samples were selected to obtain a weighted average grade close to the MRE[1] grade of 587 ppm $eU_3O_8$.

The metallurgical testwork was conducted on a subset of this composite. The subset had a calculated head grade of 672 ppm $U_3O_8$, the SGS Laboratory assayed head grade of the composite was 570 ppm $U_3O_8$ and the calculated head grades from the acid leach and alkaline leach tests averaged 544 ppm $U_3O_8$, both results similar to the estimated Mineral Resource Grade[1] of 587 ppm $eU_3O_8$.

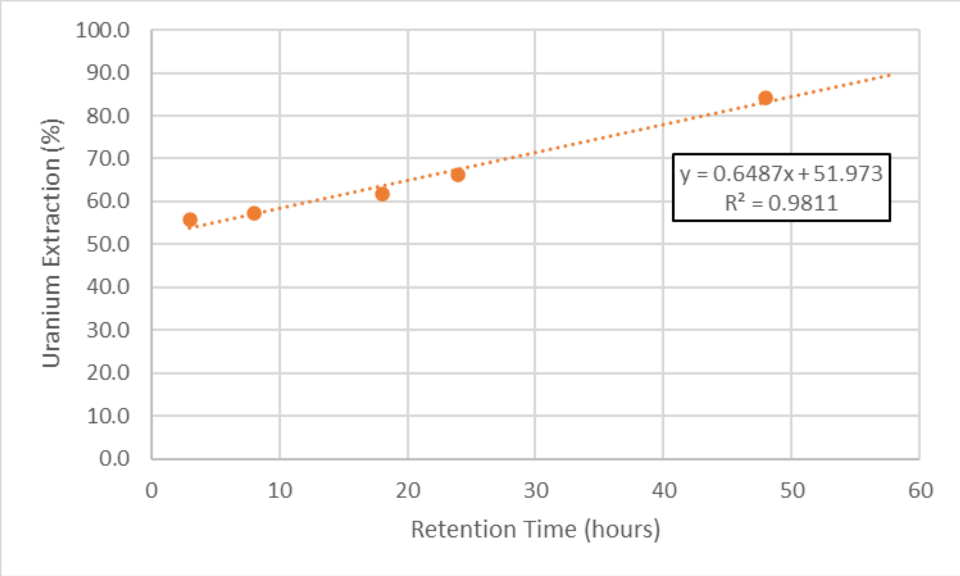
**Acid Leach Test**

The initial acid leach test[3] was conducted at an excess sulphuric addition rate (681 kg/t) and elevated temperature (95°C). This test achieved >96% uranium oxide extraction, exceeding other uranium operations.

The final leached solids grade was below the ICP $U_3O_8$ detection limit of 24 ppm indicating almost complete extraction with acid.

Two further acid leach tests were conducted at reduced acid consumptions and then reduced acid consumption and reduced temperature.

The test with reduced acid consumption achieved a uranium extraction of 84% though showed that 90% could have been potentially achieved with additional retention time given the leach rate hadn't plateaued as shown below. The acid addition rate significantly dropped to 224 kg/t in this test as well.




The low acid and ambient temperature test uranium extraction was lower than commercial acid uranium extractions showing that some temperature is required to achieve a commercially acceptable extraction. Heated acid leaching is common in commercial operations.

IMO further recommend conducting beneficiation testwork to determine if acid consuming carbonate minerals can be removed to further reduce acid addition rates whilst still maintaining uranium extraction rates. Further testwork at increased reaction times and progressively reducing temperature is also recommended to determine minimum temperature required to achieved industry standard uranium extractions.

**Alkaline Leach Test**

The alkaline leach test conducted at elevated temperature achieved a similar uranium extraction (84%) to the low acid test. Leach kinetics were lower with extracted uranium oxide values still increasing in the 24 hour sub-sample. Further optimisation testwork is likely to increase alkaline leach uranium extractions by either decreasing the grind size or varying reagent and leach conditions.

Haranga considers this an excellent outcome from a single test conducted at unoptimised conditions.

**Recommendations**

Given the similar uranium recoveries from both the alkaline and reduced acid addition routes, IMO recommends conducting further optimisation testwork on both these routes to confirm which leach route will provide optimum uranium recoveries and reduced operating cost to deliver an optimum economic outcome for the project.

Further work may include a detailed mineralogical investigation to determine uranium mineral and liberation properties, particularly association with carbonate minerals and liberation size. The aim being to determine if high acid consuming carbonate minerals can be separated from the uranium minerals by most likely flotation, though based on the outcome of the mineralogical assessment, other techniques may also be deemed suitable to trial via testwork.

**Fieldwork**
Fieldwork is continuing in Senegal following the completion of the RC drilling programme in March 2024.

Termite Mound Sampling (TMS) is continuing, both regional and infill.

Auger drilling is further testing anomalous TMS results reported for Diobi, Mandankoly and Sanela and will proceed to Saraya South, Saraya East and Diobi East.

**This announcement has been approved by the Board of Haranga Resources Limited.**

**Investor inquiries**
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**Disclaimer**

*Forward-looking statements are statements that are not historical facts. Words such as "expect(s)", "feel(s)", "believe(s)", "will", "may", "anticipate(s)", "potential(s)"and similar expressions are intended to identify forward-looking statements. These statements include, but are not limited to statements regarding future production, resources or reserves and exploration results. All of such statements are subject to certain risks and uncertainties, many of which are difficult to predict and generally beyond the control of the Company, that could cause actual results to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements. These risks and uncertainties include, but are not limited to: (i) those relating to the interpretation of drill results, the geology, grade and continuity of mineral deposits and conclusions of economic evaluations, (ii) risks relating to possible variations in reserves, grade, planned mining dilution and ore loss, or recovery rates and changes in project parameters as plans continue to be refined, (iii) the potential for delays in exploration or development activities or the completion of feasibility studies, (iv) risks related to commodity price and foreign exchange rate fluctuations, (v) risks related to failure to obtain adequate financing on a timely basis and on acceptable terms or delays in obtaining governmental approvals or in the completion of development or construction activities, and (vi) other risks and uncertainties related to the Company's prospects, properties and business strategy. Investors are cautioned not to place undue reliance on these forward-looking statements that speak only as of the date hereof, and the Company does not undertake any obligation to revise and disseminate forward-looking statements to reflect events or circumstances after the date hereof, or to reflect the occurrence of or non-occurrence of any events.*

## About Haranga

*Haranga Resources is an African focused multi-commodity company. The Company's most advanced project is the Saraya uranium project in Senegal, previously owned by Uranium giant Orano (previously Areva) and which has in excess of 65,000 m of historical drilling. In addition, Haranga owns the gold-prospective Ibel-South permit in Senegal within the prolific Kenieba Inlier of the Birimian Formation, where more than 40 Moz of gold has been discovered. Both projects are serviced from its well-established 40-man exploration camp.*

*The Company's immediate focus is the Saraya uranium project, where a 16.1Mlbs $U_3O_8$ inferred mineral resource @ 587ppm has been defined and where further uranium anomalies are continuing to be realised across this 1,650km$^2$ permit. In conjunction, Haranga is exploring it's Ibel-South gold project, where the Company continues to define drill targets and execute a maiden drill program across this permit during 2024.*

*Corporately, the Company is continuing to identify and assess additional acquisition targets across the African region, primarily focused on expanding its portfolio across the clean energy and gold sectors. Haranga's collective expertise includes considerable experience running ASX-listed companies and financing and developing mining and exploration projects in Africa, Australia, and other parts of the world.*


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John Davis (Non-executive Director)

Hendrik Schloemann (Non-executive director)

### Chief Operating Officer

Jean Kaisin

### Trading Symbols

**Australia:** ASX:HAR
**Frankfurt:** FSE:65E0

### Competent Person's Statement and Previously Reported information

The information in this announcement that relates to Exploration Results and Exploration Targets is based on and fairly represents information and supporting documentation compiled by Mr Jean Kaisin working under the supervision of Mr Peter Batten, a Competent Person, who is a Member of The Australasian Institute of Mining and Metallurgy (MAusIMM). Mr Batten has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Batten is the Managing Director of Haranga Resources Limited and consents to the inclusion in this announcement of the Exploration Results in the form and context in which they appear. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements as noted in the footnotes 1to 3. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

The information in this document that relates to metallurgical test work is based on, and fairly represents, information and supporting documentation reviewed by Mr Peter Adamini, BSc (Mineral Science and Chemistry), who is a Member of The Australasian Institute of Mining and Metallurgy (AusIMM). Mr Adamini is a full-time employee of Independent Metallurgical Operations Pty Ltd, who has been engaged by Haranga Resources Ltd to provide metallurgical consulting services. Mr Adamini has approved and consented to the inclusion in this document of the matters based on his information in the form and context in which it appears.

### ASX Announcements referenced in this release

1. Mineral Resource Estimate results taken from the report titled "Maiden Mineral Resource Estimate Saraya Uranium" released on the ASX on 25th of September 2023 and available to view on https://haranga.com/investors/asx-announcements/
2. Drill samples and drilling referred to as the source of the Metallurgical composited sample were previously reported in a release titled "Drilling Results Confirm Wide Shallow High Grade Uranium" released on the ASX on 28th of February 2023 and available to view on https://haranga.com/investors/asx-announcements/
3. The composite metallurgical sample and previous leach work referred to were previously reported in a release titled " Initial Leach Results Confirm >96% Uranium Extraction" released on the ASX on 15th of April 2024 and available to view on https://haranga.com/investors/asx-announcements/

## Saraya – Mineral Resource

The Company confirms it is not aware of any new information or data that materially affects the information included in the Mineral Resource Estimate and all material assumptions and technical parameters underpinning the estimate continue to apply and have not materially changed when referring to its resource announcement made on 25 September 2023. The Company confirms that the form and context in which the Competent Person's finding is presented have not been materially modified from the original market announcements.

## Saraya – Mineral Resource Estimate

The resource as reported at 25 September 2023 is as follows:

| Zone | Classification | Tonnage | Grade | Contained $eU_3O_8$ | |
|---|---|---|---|---|---|
| | | Mt | $eU_3O_8$ ppm | Mlbs | tonnes |
| +30RL | Inferred | 9.40 | 641 | 13.29 | 6 000 |
| -30RL | Inferred | 3.05 | 419 | 2.82 | 1 300 |
| **Total** | **Inferred** | **12.5** | **587** | **16.1** | **7 300** |

***Table 1: Saraya Mineral Resource Estimate – 250ppm cutoff, Indicator Kriging***
***(30RL is a depth measurement – approximately 160m below the topographic surface)***

**Appendix 1: Drill samples selected for composite, representative Metallurgical sample (All details regarding these drillholes is contained in a previous announcement[2])**

| SampleID | Hole_ID | From | To | Density | Weight | U_ppm | $U_3O_8$_ppm | METHOD |
|---|---|---|---|---|---|---|---|---|
| | | m | m | t/m3 | gm | | | ALS Laboratories |
| 22-DD-002-0413 | 22-SAR-DD-002 | 35.00 | 35.50 | 2.57 | 162 | 275 | 324.28 | ME-MS61U |
| 22-DD-002-0414 | 22-SAR-DD-002 | 35.50 | 36.00 | 2.65 | 161 | 586 | 691.01 | ME-MS61U |
| 22-DD-002-0415 | 22-SAR-DD-002 | 36.00 | 36.50 | 2.59 | 162 | 317 | 373.81 | ME-MS61U |
| 22-DD-002-0416 | 22-SAR-DD-002 | 36.50 | 37.00 | 2.63 | 163 | 469 | 553.04 | ME-MS61U |
| 22-DD-002-0417 | 22-SAR-DD-002 | 37.00 | 37.50 | 2.65 | 162 | 902 | 1063.64 | ME-MS61U |
| 22-DD-002-0418 | 22-SAR-DD-002 | 37.50 | 38.00 | 2.76 | 162 | 313 | 369.09 | ME-MS61U |
| 22-DD-002-0426 | 22-SAR-DD-002 | 41.00 | 41.50 | 2.61 | 161 | 230 | 271.22 | ME-MS61U |
| 22-DD-002-0427 | 22-SAR-DD-002 | 41.50 | 42.00 | 2.62 | 162 | 617 | 727.57 | ME-MS61U |
| 22-DD-002-0428 | 22-SAR-DD-002 | 42.00 | 42.50 | 2.54 | 161 | 336 | 396.21 | ME-MS61U |
| 22-DD-002-0429 | 22-SAR-DD-002 | 42.50 | 43.00 | 2.65 | 163 | 220 | 259.42 | ME-MS61U |
| 22-DD-002-0431 | 22-SAR-DD-002 | 43.50 | 44.00 | 2.64 | 163 | 255 | 300.7 | ME-MS61U |
| 22-DD-003-0444 | 22-SAR-DD-003 | 25.00 | 25.50 | 2.66 | 161 | 498 | 587.24 | ME-MS61U |
| 22-DD-003-0445 | 22-SAR-DD-003 | 25.50 | 26.00 | 2.73 | 161 | 507 | 597.85 | ME-MS61U |
| 22-DD-003-0446 | 22-SAR-DD-003 | 26.00 | 26.50 | 2.65 | 161 | 902 | 1063.64 | ME-MS61U |
| 22-DD-003-0447 | 22-SAR-DD-003 | 26.50 | 27.00 | 2.64 | 163 | 363 | 428.05 | ME-MS61U |
| 22-DD-003-0448 | 22-SAR-DD-003 | 27.00 | 27.50 | 2.56 | 160 | 813 | 958.69 | ME-MS61U |
| 22-DD-003-0449 | 22-SAR-DD-003 | 27.50 | 28.00 | 2.62 | 163 | 341 | 402.11 | ME-MS61U |
| 22-DD-003-0450 | 22-SAR-DD-003 | 28.00 | 28.50 | 2.65 | 162 | 340 | 400.93 | ME-MS61U |
| 22-DD-003-0453 | 22-SAR-DD-003 | 29.00 | 29.50 | 2.48 | 162 | 332 | 391.49 | ME-MS61U |
| 22-DD-003-0454 | 22-SAR-DD-003 | 29.50 | 30.00 | 2.53 | 162 | 442 | 521.21 | ME-MS61U |
| 22-DD-003-0455 | 22-SAR-DD-003 | 30.00 | 30.50 | 2.63 | 166 | 385 | 453.99 | ME-MS61U |
| 22-DD-003-0456 | 22-SAR-DD-003 | 30.50 | 31.00 | 2.68 | 161 | 457 | 538.89 | ME-MS61U |
| 22-DD-003-0458 | 22-SAR-DD-003 | 31.50 | 32.00 | 2.68 | 162 | 548 | 646.2 | ME-MS61U |
| 22-DD-003-0459 | 22-SAR-DD-003 | 32.00 | 32.50 | 2.68 | 163 | 315 | 371.45 | ME-MS61U |

| SampleID | Hole_ID | From | To | Density | Weight | U_ppm | $U_3O_8$_ppm | METHOD |
|---|---|---|---|---|---|---|---|---|
| | | m | m | t/m3 | gm | | | ALS Laboratories |
| 22-DD-003-0460 | 22-SAR-DD-003 | 32.50 | 33.00 | 2.62 | 162 | 247 | 291.26 | ME-MS61U |
| 22-DD-003-0463 | 22-SAR-DD-003 | 33.50 | 34.00 | 2.69 | 161 | 233 | 274.75 | ME-MS61U |
| 22-DD-003-0464 | 22-SAR-DD-003 | 34.00 | 34.50 | 2.48 | 161 | 222 | 261.78 | ME-MS61U |
| 22-DD-003-0468 | 22-SAR-DD-003 | 36.00 | 36.50 | 2.69 | 160 | 406 | 478.76 | ME-MS61U |
| 22-DD-003-0469 | 22-SAR-DD-003 | 36.50 | 37.00 | 2.62 | 163 | 243 | 286.55 | ME-MS61U |
| 22-DD-003-0471 | 22-SAR-DD-003 | 37.50 | 38.00 | 2.64 | 161 | 215 | 253.53 | ME-MS61U |
| 22-DD-004-0480 | 22-SAR-DD-004 | 54.50 | 55.00 | 2.65 | 160 | 415 | 489.37 | ME-MS61U |
| 22-DD-004-0483 | 22-SAR-DD-004 | 55.50 | 56.00 | 2.64 | 162 | 529 | 623.8 | ME-MS61U |
| 22-DD-004-0484 | 22-SAR-DD-004 | 56.00 | 56.50 | 2.62 | 162 | 380 | 448.1 | ME-MS61U |
| 22-DD-004-0485 | 22-SAR-DD-004 | 56.50 | 57.00 | 2.59 | 163 | 552 | 650.92 | ME-MS61U |
| 22-DD-004-0486 | 22-SAR-DD-004 | 57.00 | 57.50 | 2.58 | 161 | 239 | 281.83 | ME-MS61U |
| 22-DD-004-0489 | 22-SAR-DD-004 | 58.50 | 59.00 | 2.57 | 161 | 723 | 852.56 | ME-MS61U |
| 22-DD-004-0490 | 22-SAR-DD-004 | 59.00 | 59.50 | 2.55 | 162 | 806 | 950.44 | ME-MS61U |
| 22-DD-004-0491 | 22-SAR-DD-004 | 59.50 | 60.00 | 2.73 | 162 | 1420 | 1674.46 | ME-MS61U |
| 22-DD-004-0493 | 22-SAR-DD-004 | 60.00 | 60.50 | 2.54 | 160 | 275 | 324.28 | ME-MS61U |
| 22-DD-004-0494 | 22-SAR-DD-004 | 60.50 | 61.00 | 2.65 | 161 | 504 | 594.32 | ME-MS61U |
| 22-DD-004-0495 | 22-SAR-DD-004 | 61.00 | 61.50 | 2.63 | 163 | 307 | 362.01 | ME-MS61U |
| 22-DD-004-0496 | 22-SAR-DD-004 | 61.50 | 62.00 | 2.67 | 162 | 201 | 237.02 | ME-MS61U |
| 22-DD-004-0506 | 22-SAR-DD-004 | 66.00 | 66.50 | 2.74 | 163 | 236 | 278.29 | ME-MS61U |
| 22-DD-004-0515 | 22-SAR-DD-004 | 70.00 | 70.50 | 2.60 | 161 | 378 | 445.74 | ME-MS61U |
| 22-DD-004-0517 | 22-SAR-DD-004 | 71.00 | 71.50 | 2.71 | 160 | 544 | 641.48 | ME-MS61U |
| 22-DD-005-0005 | 22-SAR-DD-005 | 19.00 | 19.50 | 2.74 | 160 | 229 | 270.04 | ME-MS61U |
| 22-DD-005-0010 | 22-SAR-DD-005 | 21.00 | 21.50 | 2.64 | 162 | 358 | 422.15 | ME-MS61U |
| 22-DD-005-0019 | 22-SAR-DD-005 | 25.00 | 25.50 | 2.63 | 161 | 267 | 314.85 | ME-MS61U |
| 22-DD-005-0020 | 22-SAR-DD-005 | 25.50 | 26.00 | 2.50 | 165 | 230 | 271.22 | ME-MS61U |
| 22-DD-005-0022 | 22-SAR-DD-005 | 26.50 | 27.00 | 2.63 | 163 | 253 | 298.34 | ME-MS61U |
| 22-DD-005-0026 | 22-SAR-DD-005 | 28.50 | 29.00 | 2.62 | 162 | 228 | 268.86 | ME-MS61U |
| 22-DD-005-0027 | 22-SAR-DD-005 | 29.00 | 29.50 | 2.60 | 160 | 234 | 275.93 | ME-MS61U |
| 22-DD-005-0037 | 22-SAR-DD-005 | 54.50 | 55.00 | 2.71 | 161 | 371 | 437.48 | ME-MS61U |
| 22-DD-005-0038 | 22-SAR-DD-005 | 55.00 | 55.50 | 2.62 | 160 | 686 | 808.93 | ME-MS61U |
| 22-DD-005-0040 | 22-SAR-DD-005 | 55.50 | 56.00 | 2.76 | 162 | 269 | 317.2 | ME-MS61U |
| 22-DD-005-0041 | 22-SAR-DD-005 | 56.00 | 56.50 | 2.54 | 162 | 361 | 425.69 | ME-MS61U |
| 22-DD-005-0042 | 22-SAR-DD-005 | 56.50 | 57.00 | 2.65 | 160 | 385 | 453.99 | ME-MS61U |
| 22-DD-005-0043 | 22-SAR-DD-005 | 57.00 | 57.50 | 2.63 | 161 | 507 | 597.85 | ME-MS61U |
| 22-DD-005-0044 | 22-SAR-DD-005 | 57.50 | 58.00 | 2.66 | 162 | 414 | 488.19 | ME-MS61U |
| 22-DD-005-0045 | 22-SAR-DD-005 | 58.00 | 58.50 | 2.67 | 165 | 546 | 643.84 | ME-MS61U |
| 22-DD-005-0046 | 22-SAR-DD-005 | 58.50 | 59.00 | 2.56 | 163 | 690 | 813.65 | ME-MS61U |
| 22-DD-005-0047 | 22-SAR-DD-005 | 59.00 | 59.50 | 2.25 | 163 | 1925 | 2269.96 | ME-MS61U |
| 22-DD-005-0048 | 22-SAR-DD-005 | 59.50 | 60.00 | 2.48 | 162 | 749 | 883.22 | ME-MS61U |
| 22-DD-005-0049 | 22-SAR-DD-005 | 60.00 | 60.50 | 2.63 | 162 | 1270 | 1497.58 | ME-MS61U |
| 22-DD-005-0051 | 22-SAR-DD-005 | 60.50 | 61.00 | 2.53 | 161 | 1840 | 2169.73 | ME-MS61U |
| 22-DD-005-0052 | 22-SAR-DD-005 | 61.00 | 61.50 | 2.60 | 163 | 1285 | 1515.27 | ME-MS61U |
| 22-DD-005-0053 | 22-SAR-DD-005 | 61.50 | 62.00 | 2.76 | 160 | 1410 | 1662.67 | ME-MS61U |
| 22-DD-005-0054 | 22-SAR-DD-005 | 62.00 | 62.50 | 2.74 | 163 | 1360 | 1603.71 | ME-MS61U |

| SampleID | Hole_ID | From | To | Density | Weight | U_ppm | $U_3O_8$_ppm | METHOD |
|---|---|---|---|---|---|---|---|---|
| | | m | m | t/m3 | gm | | | ALS Laboratories |
| 22-DD-005-0055 | 22-SAR-DD-005 | 62.50 | 63.00 | 2.68 | 162 | 1345 | 1586.02 | ME-MS61U |
| 22-DD-005-0056 | 22-SAR-DD-005 | 63.00 | 63.50 | 2.60 | 163 | 290 | 341.97 | ME-MS61U |
| 22-DD-005-0057 | 22-SAR-DD-005 | 63.50 | 64.00 | 2.55 | 160 | 240 | 283.01 | ME-MS61U |
| 22-DD-005-0058 | 22-SAR-DD-005 | 64.00 | 64.50 | 2.63 | 160 | 269 | 317.2 | ME-MS61U |
| 22-DD-005-0059 | 22-SAR-DD-005 | 64.50 | 65.00 | 2.65 | 160 | 320 | 377.34 | ME-MS61U |
| 22-DD-005-0060 | 22-SAR-DD-005 | 65.00 | 65.50 | 2.65 | 160 | 687 | 810.11 | ME-MS61U |
| 22-DD-005-0062 | 22-SAR-DD-005 | 65.50 | 66.00 | 2.61 | 164 | 226 | 266.5 | ME-MS61U |
| 22-DD-005-0063 | 22-SAR-DD-005 | 66.00 | 66.50 | 2.55 | 162 | 666 | 785.35 | ME-MS61U |
| 22-DD-005-0064 | 22-SAR-DD-005 | 66.50 | 67.00 | 2.65 | 161 | 674 | 794.78 | ME-MS61U |
| 22-DD-005-0065 | 22-SAR-DD-005 | 67.00 | 67.50 | 2.58 | 163 | 373 | 439.84 | ME-MS61U |
| 22-DD-005-0066 | 22-SAR-DD-005 | 67.50 | 68.00 | 2.61 | 160 | 647 | 762.94 | ME-MS61U |
| 22-DD-005-0067 | 22-SAR-DD-005 | 68.00 | 68.50 | 2.59 | 166 | 1075 | 1267.64 | ME-MS61U |
| 22-DD-005-0068 | 22-SAR-DD-005 | 68.50 | 69.00 | 2.70 | 163 | 1230 | 1450.42 | ME-MS61U |
| 22-DD-005-0069 | 22-SAR-DD-005 | 69.00 | 69.50 | 2.58 | 162 | 911 | 1074.25 | ME-MS61U |
| 22-DD-005-0070 | 22-SAR-DD-005 | 69.50 | 70.00 | 2.57 | 161 | 1125 | 1326.6 | ME-MS61U |
| 22-DD-005-0071 | 22-SAR-DD-005 | 70.00 | 70.50 | 2.60 | 164 | 1815 | 2140.25 | ME-MS61U |
| 22-DD-005-0073 | 22-SAR-DD-005 | 70.50 | 71.00 | 2.57 | 161 | 817 | 963.41 | ME-MS61U |
| 22-DD-005-0074 | 22-SAR-DD-005 | 71.00 | 71.50 | 2.67 | 164 | 725 | 854.92 | ME-MS61U |
| 22-DD-005-0075 | 22-SAR-DD-005 | 71.50 | 72.00 | 2.61 | 160 | 522 | 615.54 | ME-MS61U |
| 22-DD-005-0076 | 22-SAR-DD-005 | 72.00 | 72.50 | 2.72 | 162 | 367 | 432.77 | ME-MS61U |
| 22-DD-005-0077 | 22-SAR-DD-005 | 72.50 | 73.00 | 2.58 | 164 | 300 | 353.76 | ME-MS61U |
| 22-DD-005-0079 | 22-SAR-DD-005 | 73.50 | 74.00 | 2.52 | 164 | 232 | 273.57 | ME-MS61U |
| 22-DD-005-0081 | 22-SAR-DD-005 | 74.50 | 75.00 | 2.58 | 160 | 484 | 570.73 | ME-MS61U |
| 22-DD-006-0526 | 22-SAR-DD-006 | 53.00 | 53.50 | 2.58 | 161 | 400 | 471.68 | ME-MS61U |
| 22-DD-006-0527 | 22-SAR-DD-006 | 53.50 | 54.00 | 2.61 | 160 | 328 | 386.78 | ME-MS61U |
| 22-DD-006-0528 | 22-SAR-DD-006 | 54.00 | 54.50 | 2.56 | 162 | 358 | 422.15 | ME-MS61U |
| 22-DD-006-0529 | 22-SAR-DD-006 | 54.50 | 55.00 | 2.61 | 162 | 432 | 509.41 | ME-MS61U |
| 22-DD-006-0530 | 22-SAR-DD-006 | 55.00 | 55.50 | 2.56 | 163 | 388 | 457.53 | ME-MS61U |
| 22-DD-006-0531 | 22-SAR-DD-006 | 55.50 | 56.00 | 2.66 | 163 | 526 | 620.26 | ME-MS61U |
| 22-DD-006-0533 | 22-SAR-DD-006 | 56.00 | 56.50 | 2.57 | 161 | 667 | 786.53 | ME-MS61U |
| 22-DD-006-0534 | 22-SAR-DD-006 | 56.50 | 57.00 | 2.58 | 162 | 689 | 812.47 | ME-MS61U |
| 22-DD-008-0544 | 22-SAR-DD-008 | 27.00 | 27.50 | 2.85 | 163 | 525 | 619.08 | ME-MS61U |
| 22-DD-008-0545 | 22-SAR-DD-008 | 27.50 | 28.00 | 2.66 | 161 | 1020 | 1202.78 | ME-MS61U |
| 22-DD-008-0547 | 22-SAR-DD-008 | 28.50 | 29.00 | 2.55 | 161 | 1905 | 2246.38 | ME-MS61U |
| 22-DD-008-0549 | 22-SAR-DD-008 | 29.50 | 30.00 | 2.62 | 162 | 870 | 1025.9 | ME-MS61U |
| 22-DD-008-0553 | 22-SAR-DD-008 | 31.00 | 31.50 | 2.60 | 162 | 444 | 523.56 | ME-MS61U |
| 22-DD-009-0567 | 22-SAR-DD-009 | 13.50 | 14.00 | 2.62 | 162 | 2460 | 2900.83 | ME-MS61U |
| 22-DD-009-0806 | 22-SAR-DD-009 | 55.00 | 55.50 | 2.50 | 161 | 251 | 295.98 | ME-MS61U |
| 22-DD-009-0811 | 22-SAR-DD-009 | 57.50 | 58.00 | 2.57 | 163 | 311 | 366.73 | ME-MS61U |
| 22-DD-009-0813 | 22-SAR-DD-009 | 58.00 | 58.50 | 2.83 | 160 | 258 | 304.23 | ME-MS61U |
| 22-DD-009-0814 | 22-SAR-DD-009 | 58.50 | 59.00 | 2.60 | 162 | 477 | 562.48 | ME-MS61U |
| 22-DD-009-0816 | 22-SAR-DD-009 | 59.50 | 60.00 | 2.64 | 160 | 496 | 584.88 | ME-MS61U |
| 22-DD-009-0819 | 22-SAR-DD-009 | 61.00 | 61.50 | 2.62 | 161 | 257 | 303.05 | ME-MS61U |
| 22-DD-009-0820 | 22-SAR-DD-009 | 61.50 | 62.00 | 2.65 | 162 | 522 | 615.54 | ME-MS61U |

| SampleID | Hole_ID | From | To | Density | Weight | U_ppm | $U_3O_8$_ppm | METHOD |
|---|---|---|---|---|---|---|---|---|
| | | m | m | t/m3 | gm | | | ALS Laboratories |
| 22-DD-009-0821 | 22-SAR-DD-009 | 62.00 | 62.50 | 2.62 | 162 | 253 | 298.34 | ME-MS61U |
| 22-DD-009-0823 | 22-SAR-DD-009 | 62.50 | 63.00 | 2.57 | 160 | 265 | 312.49 | ME-MS61U |
| 22-DD-009-0826 | 22-SAR-DD-009 | 64.00 | 64.50 | 2.67 | 162 | 474 | 558.94 | ME-MS61U |
| 22-DD-009-0829 | 22-SAR-DD-009 | 65.50 | 66.00 | 2.67 | 160 | 280 | 330.18 | ME-MS61U |
| 22-DD-009-0837 | 22-SAR-DD-009 | 69.00 | 69.50 | 2.63 | 161 | 330 | 389.14 | ME-MS61U |
| 22-DD-009-0839 | 22-SAR-DD-009 | 70.00 | 70.50 | 2.62 | 163 | 553 | 652.1 | ME-MS61U |
| 22-DD-009-0840 | 22-SAR-DD-009 | 70.50 | 71.00 | 2.66 | 162 | 734 | 865.53 | ME-MS61U |
| 22-DD-009-0841 | 22-SAR-DD-009 | 71.00 | 71.50 | 2.53 | 162 | 474 | 558.94 | ME-MS61U |
| 22-DD-009-0844 | 22-SAR-DD-009 | 72.00 | 72.50 | 2.73 | 163 | 305 | 359.66 | ME-MS61U |
| 22-DD-009-0848 | 22-SAR-DD-009 | 74.00 | 74.50 | 2.63 | 162 | 452 | 533 | ME-MS61U |
| 22-DD-010-0580 | 22-SAR-DD-010 | 70.50 | 71.00 | 2.75 | 160 | 314 | 370.27 | ME-MS61U |
| 22-DD-010-0581 | 22-SAR-DD-010 | 71.00 | 71.50 | 2.64 | 161 | 429 | 505.88 | ME-MS61U |
| 22-DD-010-0583 | 22-SAR-DD-010 | 71.50 | 72.00 | 2.70 | 160 | 1410 | 1662.67 | ME-MS61U |
| 22-DD-010-0584 | 22-SAR-DD-010 | 72.00 | 72.50 | 2.74 | 161 | 776 | 915.06 | ME-MS61U |
| 22-DD-010-0585 | 22-SAR-DD-010 | 72.50 | 73.00 | 2.66 | 160 | 408 | 481.11 | ME-MS61U |
| 22-DD-010-0587 | 22-SAR-DD-010 | 73.50 | 74.00 | 2.69 | 161 | 219 | 258.24 | ME-MS61U |
| 22-DD-010-0588 | 22-SAR-DD-010 | 74.00 | 74.50 | 2.60 | 162 | 276 | 325.46 | ME-MS61U |
| 22-DD-010-0589 | 22-SAR-DD-010 | 74.50 | 75.00 | 2.63 | 161 | 246 | 290.08 | ME-MS61U |
| 22-DD-010-0590 | 22-SAR-DD-010 | 75.00 | 75.50 | 2.62 | 162 | 578 | 681.58 | ME-MS61U |
| 22-DD-012-0601 | 22-SAR-DD-012 | 70.00 | 70.50 | 2.62 | 162 | 247 | 291.26 | ME-MS61U |
| 22-DD-012-0603 | 22-SAR-DD-012 | 70.50 | 71.00 | 2.77 | 161 | 677 | 798.32 | ME-MS61U |
| 22-DD-012-0623 | 22-SAR-DD-012 | 79.50 | 80.00 | 2.56 | 162 | 217 | 255.89 | ME-MS61U |
| 22-DD-012-0626 | 22-SAR-DD-012 | 81.00 | 81.50 | 2.59 | 160 | 380 | 448.1 | ME-MS61U |
| 22-DD-012-0627 | 22-SAR-DD-012 | 81.50 | 82.00 | 2.55 | 162 | 371 | 437.48 | ME-MS61U |
| 22-DD-014-0641 | 22-SAR-DD-014 | 96.00 | 96.50 | 2.38 | 163 | 318 | 374.99 | ME-MS61U |
| 22-DD-014-0643 | 22-SAR-DD-014 | 96.50 | 97.00 | 2.58 | 163 | 314 | 370.27 | ME-MS61U |
| 22-DD-014-0646 | 22-SAR-DD-014 | 98.00 | 98.50 | 2.48 | 164 | 542 | 639.13 | ME-MS61U |
| 22-DD-014-0651 | 22-SAR-DD-014 | 100.50 | 101.00 | 2.60 | 161 | 272 | 320.74 | ME-MS61U |
| 22-DD-014-0658 | 22-SAR-DD-014 | 103.50 | 104.00 | 2.66 | 161 | 360 | 424.51 | ME-MS61U |
| 22-DD-014-0659 | 22-SAR-DD-014 | 104.00 | 104.50 | 2.48 | 160 | 318 | 374.99 | ME-MS61U |
| 22-DD-014-0660 | 22-SAR-DD-014 | 104.50 | 105.00 | 2.65 | 163 | 268 | 316.03 | ME-MS61U |
| 22-DD-014-0661 | 22-SAR-DD-014 | 105.00 | 105.50 | 2.49 | 163 | 272 | 320.74 | ME-MS61U |
| 22-DD-014-0664 | 22-SAR-DD-014 | 106.00 | 106.50 | 2.65 | 161 | 758 | 893.83 | ME-MS61U |
| 22-DD-014-0674 | 22-SAR-DD-014 | 110.50 | 111.00 | 2.64 | 163 | 532 | 627.33 | ME-MS61U |
| 22-DD-014-0678 | 22-SAR-DD-014 | 112.50 | 113.00 | 2.54 | 164 | 443 | 522.39 | ME-MS61U |
| 22-DD-014-0681 | 22-SAR-DD-014 | 114.00 | 114.50 | 2.60 | 162 | 502 | 591.96 | ME-MS61U |
| 22-DD-014-0687 | 22-SAR-DD-014 | 116.50 | 117.00 | 2.51 | 162 | 457 | 538.89 | ME-MS61U |
| 22-DD-014-0688 | 22-SAR-DD-014 | 117.00 | 117.50 | 2.59 | 161 | 2000 | 2358.4 | ME-MS61U |
| 22-DD-014-0691 | 22-SAR-DD-014 | 118.50 | 119.00 | 2.54 | 161 | 219 | 258.24 | ME-MS61U |
| 22-DD-014-0696 | 22-SAR-DD-014 | 120.50 | 121.00 | 2.60 | 162 | 356 | 419.8 | ME-MS61U |
| 22-DD-014-0697 | 22-SAR-DD-014 | 121.00 | 121.50 | 2.64 | 163 | 340 | 400.93 | ME-MS61U |
| 22-DD-014-0698 | 22-SAR-DD-014 | 121.50 | 122.00 | 2.56 | 164 | 441 | 520.03 | ME-MS61U |
| 22-DD-014-0716 | 22-SAR-DD-014 | 129.50 | 130.00 | 2.61 | 161 | 264 | 311.31 | ME-MS61U |
| 22-DD-014-0718 | 22-SAR-DD-014 | 130.50 | 131.00 | 2.58 | 162 | 312 | 367.91 | ME-MS61U |

| SampleID | Hole_ID | From | To | Density | Weight | U_ppm | $U_3O_8$_ppm | METHOD |
|---|---|---|---|---|---|---|---|---|
| | | m | m | t/m3 | gm | | | ALS Laboratories |
| 22-DD-015-0736 | 22-SAR-DD-015 | 85.50 | 86.00 | 2.58 | 163 | 565 | 666.25 | ME-MS61U |
| 22-DD-015-0737 | 22-SAR-DD-015 | 86.00 | 86.50 | 2.49 | 163 | 261 | 307.77 | ME-MS61U |
| 22-DD-015-0738 | 22-SAR-DD-015 | 86.50 | 87.00 | 2.64 | 161 | 320 | 377.34 | ME-MS61U |
| 22-DD-015-0739 | 22-SAR-DD-015 | 87.00 | 87.50 | 2.52 | 162 | 488 | 575.45 | ME-MS61U |
| 22-DD-015-0740 | 22-SAR-DD-015 | 87.50 | 88.00 | 2.60 | 162 | 434 | 511.77 | ME-MS61U |
| 22-DD-015-0741 | 22-SAR-DD-015 | 88.00 | 88.50 | 2.55 | 160 | 220 | 259.42 | ME-MS61U |
| 22-DD-015-0744 | 22-SAR-DD-015 | 89.00 | 89.50 | 2.61 | 160 | 255 | 300.7 | ME-MS61U |
| 22-DD-015-0748 | 22-SAR-DD-015 | 91.00 | 91.50 | 2.64 | 163 | 309 | 364.37 | ME-MS61U |
| 22-DD-015-0754 | 22-SAR-DD-015 | 93.50 | 94.00 | 2.51 | 161 | 610 | 719.31 | ME-MS61U |
| 22-DD-015-0755 | 22-SAR-DD-015 | 94.00 | 94.50 | 2.53 | 160 | 217 | 255.89 | ME-MS61U |
| 22-DD-016-0791 | 22-SAR-DD-016 | 11.50 | 12.00 | 2.58 | 163 | 920 | 1084.86 | ME-MS61U |
| 22-DD-017-0104 | 22-SAR-DD-017 | 147.00 | 147.50 | 2.67 | 162 | 317 | 373.81 | ME-MS61U |
| 22-DD-017-0107 | 22-SAR-DD-017 | 148.00 | 148.50 | 2.66 | 163 | 261 | 307.77 | ME-MS61U |
| 22-DD-017-0111 | 22-SAR-DD-017 | 150.00 | 150.50 | 2.77 | 161 | 750 | 884.4 | ME-MS61U |
| 22-DD-017-0112 | 22-SAR-DD-017 | 150.50 | 151.00 | 2.72 | 162 | 495 | 583.7 | ME-MS61U |
| 22-DD-017-0113 | 22-SAR-DD-017 | 151.00 | 151.50 | 2.67 | 163 | 264 | 311.31 | ME-MS61U |
| 22-DD-017-0115 | 22-SAR-DD-017 | 152.00 | 152.50 | 2.66 | 162 | 267 | 314.85 | ME-MS61U |
| 22-DD-017-0118 | 22-SAR-DD-017 | 153.00 | 153.50 | 2.62 | 161 | 513 | 604.93 | ME-MS61U |
| 22-DD-017-0119 | 22-SAR-DD-017 | 153.50 | 154.00 | 2.65 | 162 | 494 | 582.52 | ME-MS61U |
| 22-DD-017-0122 | 22-SAR-DD-017 | 155.00 | 155.50 | 2.64 | 162 | 250 | 294.8 | ME-MS61U |
| 22-DD-017-0124 | 22-SAR-DD-017 | 156.00 | 156.50 | 2.65 | 163 | 230 | 271.22 | ME-MS61U |
| 22-DD-017-0125 | 22-SAR-DD-017 | 156.50 | 157.00 | 2.62 | 162 | 251 | 295.98 | ME-MS61U |
| 22-DD-017-0128 | 22-SAR-DD-017 | 157.50 | 158.00 | 2.62 | 162 | 229 | 270.04 | ME-MS61U |
| 22-DD-017-0129 | 22-SAR-DD-017 | 158.00 | 158.50 | 2.67 | 161 | 455 | 536.54 | ME-MS61U |
| 22-DD-017-0130 | 22-SAR-DD-017 | 158.50 | 159.00 | 2.67 | 163 | 334 | 393.85 | ME-MS61U |
| 22-DD-017-0131 | 22-SAR-DD-017 | 159.00 | 159.50 | 2.66 | 161 | 361 | 425.69 | ME-MS61U |
| 22-DD-017-0132 | 22-SAR-DD-017 | 159.50 | 160.00 | 2.61 | 160 | 304 | 358.48 | ME-MS61U |
| 22-DD-017-0134 | 22-SAR-DD-017 | 160.50 | 161.00 | 2.65 | 161 | 287 | 338.43 | ME-MS61U |
| 22-DD-017-0137 | 22-SAR-DD-017 | 162.00 | 162.50 | 2.55 | 162 | 553 | 652.1 | ME-MS61U |
| 22-DD-017-0142 | 22-SAR-DD-017 | 164.00 | 164.50 | 2.60 | 162 | 290 | 341.97 | ME-MS61U |
| 22-DD-017-0146 | 22-SAR-DD-017 | 166.00 | 166.50 | 2.62 | 161 | 1170 | 1379.66 | ME-MS61U |
| 22-DD-018-0157 | 22-SAR-DD-018 | 88.00 | 88.50 | 2.55 | 162 | 2570 | 3030.54 | ME-MS61U |
| 22-DD-018-0158 | 22-SAR-DD-018 | 88.50 | 89.00 | 2.66 | 162 | 615 | 725.21 | ME-MS61U |
| 22-DD-018-0159 | 22-SAR-DD-018 | 89.00 | 89.50 | 2.54 | 163 | 219 | 258.24 | ME-MS61U |
| 22-DD-018-0162 | 22-SAR-DD-018 | 90.00 | 90.50 | 2.63 | 161 | 436 | 514.13 | ME-MS61U |
| 22-DD-018-0169 | 22-SAR-DD-018 | 93.50 | 94.00 | 2.55 | 160 | 378 | 445.74 | ME-MS61U |
| 22-DD-018-0170 | 22-SAR-DD-018 | 94.00 | 94.50 | 2.57 | 162 | 285 | 336.07 | ME-MS61U |
| 22-DD-018-0177 | 22-SAR-DD-018 | 97.00 | 97.50 | 2.66 | 161 | 1580 | 1863.14 | ME-MS61U |
| 22-DD-018-0180 | 22-SAR-DD-018 | 98.50 | 99.00 | 2.64 | 162 | 419 | 494.08 | ME-MS61U |
| 22-DD-018-0181 | 22-SAR-DD-018 | 99.00 | 99.50 | 2.68 | 161 | 530 | 624.98 | ME-MS61U |
| 22-DD-018-0183 | 22-SAR-DD-018 | 99.50 | 100.00 | 2.58 | 162 | 405 | 477.58 | ME-MS61U |
| 22-DD-018-0184 | 22-SAR-DD-018 | 100.00 | 100.50 | 2.71 | 161 | 286 | 337.25 | ME-MS61U |
| 22-DD-018-0185 | 22-SAR-DD-018 | 100.50 | 101.00 | 2.64 | 160 | 212 | 249.99 | ME-MS61U |
| 22-DD-020-0191 | 22-SAR-DD-020 | 54.50 | 55.00 | 2.61 | 162 | 529 | 623.8 | ME-MS61U |

| SampleID | Hole_ID | From | To | Density | Weight | U_ppm | $U_3O_8$_ppm | METHOD |
|---|---|---|---|---|---|---|---|---|
| | | m | m | t/m3 | gm | | | ALS Laboratories |
| 22-DD-020-0198 | 22-SAR-DD-020 | 57.50 | 58.00 | 2.59 | 163 | 250 | 294.8 | ME-MS61U |
| 22-DD-020-0208 | 22-SAR-DD-020 | 62.00 | 62.50 | 2.62 | 162 | 770 | 907.98 | ME-MS61U |
| 22-DD-020-0217 | 22-SAR-DD-020 | 66.00 | 66.50 | 2.62 | 163 | 266 | 313.67 | ME-MS61U |
| 22-DD-020-0218 | 22-SAR-DD-020 | 66.50 | 67.00 | 2.54 | 160 | 231 | 272.4 | ME-MS61U |
| 22-DD-020-0219 | 22-SAR-DD-020 | 67.00 | 67.50 | 2.50 | 161 | 338 | 398.57 | ME-MS61U |
| 22-DD-020-0225 | 22-SAR-DD-020 | 70.00 | 70.50 | 2.60 | 161 | 366 | 431.59 | ME-MS61U |
| 22-DD-020-0242 | 22-SAR-DD-020 | 77.50 | 78.00 | 2.64 | 160 | 217 | 255.89 | ME-MS61U |
| 22-DD-020-0243 | 22-SAR-DD-020 | 78.00 | 78.50 | 2.61 | 161 | 244 | 287.72 | ME-MS61U |
| 22-DD-020-0246 | 22-SAR-DD-020 | 79.50 | 80.00 | 2.54 | 162 | 542 | 639.13 | ME-MS61U |
| 22-DD-020-0249 | 22-SAR-DD-020 | 80.50 | 81.00 | 2.67 | 161 | 295 | 347.86 | ME-MS61U |
| 22-DD-020-0251 | 22-SAR-DD-020 | 81.50 | 82.00 | 2.58 | 163 | 349 | 411.54 | ME-MS61U |
| 22-DD-020-0280 | 22-SAR-DD-020 | 95.00 | 95.50 | 2.70 | 162 | 497 | 586.06 | ME-MS61U |
| 22-DD-020-0282 | 22-SAR-DD-020 | 95.50 | 96.00 | 2.62 | 161 | 549 | 647.38 | ME-MS61U |
| 22-DD-020-0283 | 22-SAR-DD-020 | 96.00 | 96.50 | 2.68 | 160 | 236 | 278.29 | ME-MS61U |
| 22-DD-020-0294 | 22-SAR-DD-020 | 101.00 | 101.50 | 2.60 | 162 | 218 | 257.07 | ME-MS61U |
| 22-DD-020-0295 | 22-SAR-DD-020 | 101.50 | 102.00 | 2.55 | 163 | 278 | 327.82 | ME-MS61U |
| 22-DD-020-0296 | 22-SAR-DD-020 | 102.00 | 102.50 | 2.63 | 161 | 269 | 317.2 | ME-MS61U |
| 22-DD-020-0297 | 22-SAR-DD-020 | 102.50 | 103.00 | 2.71 | 160 | 260 | 306.59 | ME-MS61U |
| 22-DD-020-0300 | 22-SAR-DD-020 | 104.00 | 104.50 | 2.62 | 161 | 283 | 333.71 | ME-MS61U |
| 22-DD-020-0301 | 22-SAR-DD-020 | 104.50 | 105.00 | 2.66 | 162 | 332 | 391.49 | ME-MS61U |
| 22-DD-020-0302 | 22-SAR-DD-020 | 105.00 | 105.50 | 2.62 | 161 | 299 | 352.58 | ME-MS61U |
| 22-DD-020-0304 | 22-SAR-DD-020 | 105.50 | 106.00 | 2.63 | 160 | 223 | 262.96 | ME-MS61U |
| 22-DD-020-0311 | 22-SAR-DD-020 | 109.00 | 109.50 | 2.64 | 161 | 326 | 384.42 | ME-MS61U |
| 22-DD-020-0319 | 22-SAR-DD-020 | 112.50 | 113.00 | 2.77 | 160 | 333 | 392.67 | ME-MS61U |
| 22-DD-020-0320 | 22-SAR-DD-020 | 113.00 | 113.50 | 2.59 | 163 | 258 | 304.23 | ME-MS61U |
| 22-DD-022-0333 | 22-SAR-DD-022 | 44.00 | 44.50 | 2.75 | 162 | 238 | 280.65 | ME-MS61U |
| 22-DD-022-0337 | 22-SAR-DD-022 | 45.50 | 46.00 | 2.64 | 162 | 285 | 336.07 | ME-MS61U |
| 22-DD-022-0338 | 22-SAR-DD-022 | 46.00 | 46.50 | 2.65 | 161 | 278 | 327.82 | ME-MS61U |
| 22-DD-022-0341 | 22-SAR-DD-022 | 47.50 | 48.00 | 2.60 | 163 | 449 | 529.46 | ME-MS61U |
| 22-DD-022-0349 | 22-SAR-DD-022 | 51.00 | 51.50 | 2.71 | 163 | 243 | 286.55 | ME-MS61U |
| 22-DD-022-0356 | 22-SAR-DD-022 | 54.50 | 55.00 | 2.70 | 160 | 310 | 365.55 | ME-MS61U |
| 22-DD-022-0357 | 22-SAR-DD-022 | 55.00 | 55.50 | 2.61 | 160 | 370 | 436.3 | ME-MS61U |
| 22-DD-022-0359 | 22-SAR-DD-022 | 55.50 | 56.00 | 2.70 | 161 | 463 | 545.97 | ME-MS61U |
| 22-DD-022-0360 | 22-SAR-DD-022 | 56.00 | 56.50 | 2.58 | 162 | 378 | 445.74 | ME-MS61U |
| 22-DD-022-0366 | 22-SAR-DD-022 | 59.00 | 59.50 | 2.59 | 163 | 465 | 548.33 | ME-MS61U |
| 22-DD-022-0376 | 22-SAR-DD-022 | 63.50 | 64.00 | 2.63 | 161 | 766 | 903.27 | ME-MS61U |
| 22-DD-022-0386 | 22-SAR-DD-022 | 68.00 | 68.50 | 2.66 | 162 | 317 | 373.81 | ME-MS61U |
| 22-DD-022-0398 | 22-SAR-DD-022 | 73.50 | 74.00 | 2.61 | 160 | 533 | 628.51 | ME-MS61U |
| 22-DD-022-0400 | 22-SAR-DD-022 | 74.50 | 75.00 | 2.61 | 163 | 240 | 283.01 | ME-MS61U |
| 22-DD-022-0401 | 22-SAR-DD-022 | 75.00 | 75.50 | 2.66 | 164 | 316 | 372.63 | ME-MS61U |
| 22-DD-022-0403 | 22-SAR-DD-022 | 75.50 | 76.00 | 2.67 | 160 | 214 | 252.35 | ME-MS61U |
| 22-DD-022-0404 | 22-SAR-DD-022 | 76.00 | 76.50 | 2.68 | 161 | 353 | 416.26 | ME-MS61U |
| 22-DD-022-0405 | 22-SAR-DD-022 | 76.50 | 77.00 | 2.66 | 164 | 233 | 274.75 | ME-MS61U |

## JORC CODE, 2012 EDITION – TABLE 1

### 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 (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.*<br>• *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.*<br>• *Aspects of the determination of mineralisation that are Material to the Public Report.*<br>• *In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.* | The 243 core samples (as detailed in Appendix 1) selected were subject to the underlying sampling techniques and data within this table):<br><br>***Haranga Sampling***<br>• Uranium grades were estimated using downhole gamma probes operated by Terratec Geophysics Gmbh with the following probe:<br>- UEP42 from Electromind in 2022<br>Gamma data (as counts per second) from calibrated probes were converted into equivalent uranium oxide values (eU3O8) using appropriate calibration factors (K factor) and all other applicable correction factors, by Terratec Geoservices and reviewed by Haranga geologists and RSC consultant.<br>• Geochemical analyses were performed on Haranga DD core to verify gamma ray downhole probe calculated grades.<br>- A total of 758 samples have been selected on significant intervals. Each sample consist of 50cm half core.<br>- Hand spectrometer measurements have been taken on the core (10cm spacing) to ensure proper match with downhole probe measurements.<br>- Samples have been prepared (see below), 108 QAQC samples have been added (blanks, duplicates, CRMs), samples have been properly packed and sent to ALS Vancouver laboratory for ICP MS and AES multi-element analyses.<br>- Some 45 samples (+5 QAQC), taken from the 758 samples have been re-assayed using a Fusion + XRF technique for Quality Control and resistive mineral assessment on two different laboratories (ALS Vancouver, MSALab Vancouver). |
| *Drilling techniques* | • *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).* | ***Drilling – Haranga***<br>• Haranga (2022) drilling technique was DD drilling:<br>- 22 Holes totalling 3021m<br>• Drilling at collar is HQ drilling and casing diameter until bedrock (from 6 to 15m) followed by NQ drilling.<br>• Average depth of hole is 140m with holes depth from 80 to 220m. Holes are drilled a 60° angle from surface at different azimuth. |
| *Drill sample recovery* | • *Method of recording and assessing core and chip sample recoveries and results assessed.*<br>• *Measures taken to maximise sample recovery and ensure representative nature of the samples.*<br>• *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential* | ***Drilling – Haranga***<br>• Haranga properly recorded DD recovery data from all drillholes (2022). Recoveries are excellent (+99%) due to the hard rock nature of the core. Samples taken from the core are representative of the mineralized sections. |

| Criteria | JORC Code explanation | Commentary |
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| | *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 Mineral Resource estimation, mining studies and metallurgical studies.*<br>• *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.*<br>• *The total length and percentage of the relevant intersections logged.* | ***Drilling – Haranga***<br>• All core from Haranga was logged (100%) geologically and geotechnically to provide full support of the MRE.<br>• The geological logging completed was both qualitative (rock type, mineralogy, colour, degree of oxidation, etc.) and quantitative (recording of specific depths and various geophysical data) :<br>- 100% of the core has been orientated and surveyed (azim, dip)<br>- all boxes have been properly photographed and photos are of proper quality.<br>- all core are stored in Haranga field facilities<br>- all DD holes from Haranga have been logged with downhole geophysical probes |
| *Sub-sampling techniques and sample preparation* | • *If core, whether cut or sawn and whether quarter, half or all core taken.*<br>• *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.*<br>• *For all sample types, the nature, quality and appropriateness of the sample preparation technique.*<br>• *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.*<br>• *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.*<br>• *Whether sample sizes are appropriate to the grain size of the material being sampled.* | ***Drilling – Haranga***<br>• A total of 758 samples have been collected by Haranga on mineralized intervals:<br>- 50 cm core have been sampled using core saw, samples cut along the orientation line, same half sampled for all samples.<br>- All samples have been weighted in air and water to provide elementary density measurements.<br>- Samples have been crushed by jaw crusher at 2mm aperture.<br>- Samples have been divided into 250gr sub-samples using riffle splitters; some samples have been duplicated for QAQC purposes and to assess splitting.<br>- 250gr samples have been grinded to 75µ pulps in ALS sample prep facilities in Kedougou. Sub sample of 50gr have been split at ALS Kedougou for shipment to ALS Vancouver<br>- Analyses have been executed on 50gr pulp samples by ALS Vancouver<br>A 40kg bulk composite sample was produced by splitting (approximately) 150gms from 243 core sections from the Haranga 2022 diamond core drilling program. The core was selected from numerous sites to represent the drilled deposit. The core sections were selected by laboratory assayed grades to produce a weighted average grade for the bulk sample that matches the Inferred Resource grade and were spatially varied to better represent the lithology of the drilled deposit. Only the core sections of laboratory assayed grades were selected to produce a weighted average grade for the bulk sample that closely matches the Inferred Resource grade.<br>- The 40kg bulk sample on being received by SGS Lakefield was remixed to overcome any settling that occurred during transport and then split the sample into a number of equal portions. This is achieved by splitting, either rotary or riffle, to ensure that each portion is relative to every other portion. |
| *Quality of assay data and* | • *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or* | ***Drilling – Haranga***<br>• All holes from Haranga (2022) have been probed using the services of Terratec Geoservices Gmbh of Germany. Analytical |

| Criteria | JORC Code explanation | Commentary |
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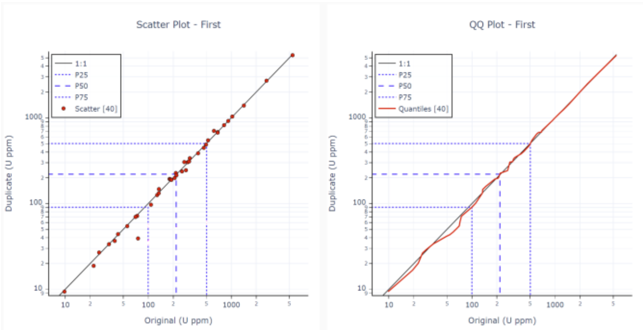
| *laboratory tests* | *total.*<br>• *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.*<br>• *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.* | (equivalent uranium oxide eU3O8) results were obtained from downhole geophysical gamma logging using an UEP42 probe from Electromind with two counting devices, crystal (PM scintillometer) and Geiger-Muller (GM) tubes.<br>- Gamma probes have been certified by Orano at their Bessines site in France, using Uranium mixed concrete drums of different grades resulting in a Coefficient used to calculate the equivalent U3O8. Calibration certificates have been received.<br>- One hole drilled during the campaign (22-SAR-DD-005) has been used as a control drillhole with 3 quality control downhole survey carried out during the campaign to ensure the status of the probes throughout the campaign.<br><br>• The 758 samples sent to ALS Canada were sent with duplicates, blanks and standards. The QAQC samples is totalling 108 samples.<br>- Duplicate data:<br>A total of 40 pairs of duplicate samples was introduced in the samples. The scatter and QQ plots below show good comparison for duplicate sample pairs but for one sample that most probably resulted in an inversion of sample number. HT precision of the duplicate data set is good with 1.21%.<br><br>- Blank data:<br>A total of 43 samples uncertified blank material sourced localy was used as blank material. Overall, the U concentration in the blank samples is very low with 2 to 6ppm. Three samples show three peak values of 7, 11 and 14 ppm U, some of which follow higher-grade samples. It is unclear if this is due to contamination due to the very small number of samples affected and, even if it was contamination, the effect of it is so small that it doesn't materially affect the overall results.<br><br>- CRM data:<br>A total of 25 CRM samples have been introduced in the samples assayed. The CRM samples are Oreas 102a with a reference value of 638ppm U (95% 615-662ppm U) for 4 Acid Digestion methods and 662ppm for Fusion methods (95% 638-685ppm U). The CRM data show a step change starting with sample 22-DD-002-0429C, where the process mean drops from 641 ppm U to 607 ppm U (~5% less). The data set is too small to carry out a statistically significant assessment it is hard to tell if this has something to do with the analytical process or the CRM samples themselves. Irrespective of the cause, this change does not affect the validity of the dataset from ALS. |

| Criteria | JORC Code explanation | Commentary |
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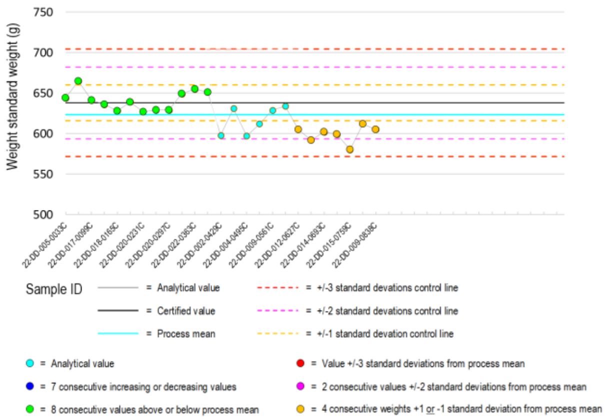
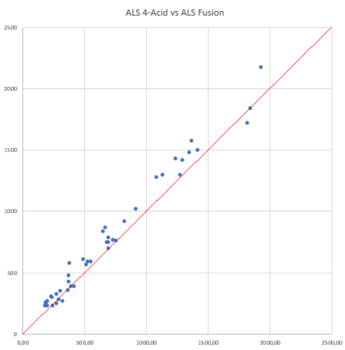
| | | <br>• About 5% (45 samples) of the set of samples assayed by ALS Vancouver was reassayed at ALS Vancouver and MSALab Vancouver using a different assaying technique of Fusion with XRF finish. This technique was used to assess the possible resistive mineral content in the samples.<br>- Blank samples:<br>Two blank samples have been re-assayed by Fusion/XRF, both showing -0.01% results.<br>- Duplicate samples:<br>Three duplicate samples pairs have been assayed by Fusion/XRF showing identical results for two samples (0.03 to 0.03ppm U for both) and one mismatch (0.03 to 0.07ppm U).<br>- CRMs:<br>Only one CRM sample has been assayed showing 0.06% for 662ppm value.<br><br>• ALS 4-Acid vs ALS Fusion<br>Corelation between ALS 4-Acid/ICP method and ALS Fusion/XRF finish show good correlation for Uranium assays as per scatter plot below.<br>Meanwhile, Fusion method shows a consistent +15% in assaying values, most probably accounting for Uranium in resistive minerals. Note: CRM Oreas CRM datasheet state for a +10% difference between the two methods for Oreas 102a.<br><br>• ALS Vancouver Fusion/XRF vs MSALab Fusion/XRF<br>All results from ALS and MSA Lab are in % with precision to the thousand for ALS and to the hundred for MSALab. MSALab and |

| Criteria | JORC Code explanation | Commentary |
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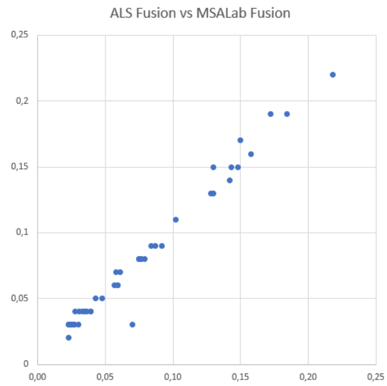
| | | ALS lab assay do corelate as per scatter plot below. MSALab data show a slightly higher assay grade of +8% to the ALS data but number of points and precision of the figures do limit conclusions.<br><br>• **The 40kg bulk sample was transported to SGS Lakefield Canada for ore characterisation work.** |
| *Verification of sampling and assaying* | • *The verification of significant intersections by either independent or alternative company personnel.*<br>• *The use of twinned holes.*<br>• *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.*<br>• *Discuss any adjustment to assay data.* | ***Drilling – Haranga***<br>• Gamma probe data and derived eU3O8 grades have been reviewed by Haranga's consultants for complete check. It is established that:<br>- Geochemical analysis by a certified laboratory have been compared with downhole gamma probe data.<br>- No twin holes have been drilled by Haranga, on Haranga holes to date. Out of 22 holes, Haranga twinned 9 holes of historical Areva/Cogema for grade comparison.<br>- Downhole gamma data are provided as LAS files directly after survey at drill site by Terratec. A copy of the data is sent to the head office of the contractor in Germany for processing and eU3O8 grade calculation. Data is then recovered by Haranga for storage on Haranga's hard drive and sharing with consulting company for control.<br>- No adjustments are made to any assay data. |
| *Location of data points* | • *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.*<br>• *Specification of the grid system used.*<br>• *Quality and adequacy of topographic control.* | ***Drilling – Haranga***<br>• All (100%) of Haranga collars have been surveyed in the field by an independent surveyor using a DGPS, including elevation. The grid system is Universal Transverse Mercator, zone 28N (WGS84).<br>• A gyroscopic tool was used to measure downhole surveys during the drilling program (Reflex tool) as well as during the downhole probing (included in the UEP42 probe). |
| *Data spacing and distribution* | • *Data spacing for reporting of Exploration Results.*<br>• *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.*<br>• *Whether sample compositing has been applied.* | • Drillholes are irregularly spaced across the Project. Holes are on a relatively close spacing around the main mineralised zones, around 25 m X 25 m in the main mineralisation zones.<br>• The Competent Person considers that following the planned validation drilling and database updates, the data spacing and distribution of the historical drillholes is sufficient to imply continuity as required for future Mineral Resource Estimation and classification.<br>• No sample compositing has been reported to have been applied to historical probe data. No sample compositing has |

| Criteria | JORC Code explanation | Commentary |
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| | | been applied to Haranga probe data nor chemical assay data. |
| *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.*<br>• *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.* | • Mineralisation is interpreted to be structurally controlled, dominantly striking ~040 and dipping ~80° to 130. A second perpendicular mineralised structure is speculated and may be evidenced by results from several drillholes oriented to intersect this ESE-WNW striking structure. From this interpretation, it is clear that some of the drillholes dip within, or partly within, the mineralisation. This is unavoidable in areas where the two perpendicular orientations are both present.<br>• Any possible bias in the probe data from the drilling orientations is unknown at this stage. |
| *Sample security* | • *The measures taken to ensure sample security.* | ***Drilling – Haranga***<br>• Haranga DD core are properly stored in core boxes in the workshop at Saraya camp facility, under responsibility of the camp managers and camps security. Core boxes are store outside to avoid possible Radon concentration in confined spaces.<br>• Sample rejects from Jaw Crusher 2mm crushing as well as 200gr pulp rejects have been recovered and are stored for sample security purposes. |
| *Audits or reviews* | • *The results of any audits or reviews of sampling techniques and data.* | • Haranga is not aware of any external audits or reviews of the historical sampling techniques or data other than the high-level review of Haranga auditors:<br>- RSC audited the drilling database and deemed it appropriate for exploration targeting.<br>- Odessa audited the drilling database and deemed it appropriate for Mineral Resource Estimation after Haranga field validation. Further validation and verification drilling are required to be able to adopt better classification categories (indicated, measured). |

## SECTION 2 REPORTING OF EXPLORATION RESULTS

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

| Criteria | JORC Code explanation | Commentary |
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| *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.*<br>• *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.* | • The Saraya Project is a joint venture between Haranga and Mandinga Resources SARL and relates to a single active licence, PR 02208 which covers 1,650 km$^2$ in Senegal.<br>• Haranga has earned a 70% interest from Mandinga Resources. Mandinga has a 30% free carry-through to PFS. After PFS, Mandinga will have to contribute to costs or dilute to royalty.<br>• The granted licence is in good standing with no known impediments, having been recently renewed for a second term (further 3 years). |
| *Exploration done by other parties* | • *Acknowledgment and appraisal of exploration by other parties.* | • A compilation of historical exploration work has been completed. Historical work included reports, rock sampling, geochemistry (hydrogeochemistry, emanometry) geological mapping, geophysical surveys, drilling, and estimates of exploration potential by COGEMA and Areva.<br>• Haranga's ASX Release from 8th August 2022 summarises the material exploration drilling undertaken at the Saraya prospect. Historical drillholes reported here were undertaken by COGEMA and Areva at the Saraya Prospect. Additional historical drilling has been undertaken at minor prospects but is not considered material to this release.<br>• A regional airborne survey was carried out in 2007 by an international cooperation programme (Agence Française pour le Développement, AFD, and EU Programme de Renforcement du Secteur Miniere, PDRSM, and operated by FUGRO), the SYSMINE Project, started in 2004. |
| *Geology* | • *Deposit type, geological setting and style of mineralisation.* | • The Saraya Project is situated within the Paleoproterozoic Kedougou-Kenieba Inlier (KKI) of the West African Craton. In Senegal, the KKI contains two major units separated by a major shear zone, the Main Transcurrent Zone (MTZ); the Mako NE-trending volcanic belt in the west and the Dialé-Daléma metasedimentary basin in the east. The MTZ strikes northeast in the south and rotates to a northwesterly trend as it crosses the Falémé River into Mali.<br>• Both the Mako volcanic belt and the Diale-Dalema sedimentary series are intruded by granitoids of variable ages and geochemical signatures. The most voluminous are the plutons of the Saraya batholith, probably emplaced around 2.1 Ga. The Saraya batholith occurs as an N30 axis. The northern half of the batholith is characterized by deuteric alteration marked by a coarse-grained muscovite-rich leucogranite. The complex is poorly faulted, mainly affected by quite late N120 and N30–40 structures, typically pegmatite veins and dolerite dikes respectively.<br>• Uranium mineralisation at Saraya is understood to be structurally controlled with uranium being mobilised during a sodic hydrothermal event (Na-metasomatism) and precipitated in episyenitic structural conduits. Mineralisation is found preferentially in brecciated lenses (up to 100-m long) within the episyenite but further |

| Criteria | JORC Code explanation | Commentary |
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| | | investigation into the geological controls on mineralisation is required.<br>• A geological model has been constructed by Odissey based on geological logging. Two major lithologic entities have been recorded and 3D mapped: Saraya leucocratic Granite and Saraya Episyenite.<br>• A mineralisation model appears to support a dominant orientation of ~040 and dipping SE at ~80°. A second perpendicular (WNW striking) mineralised structure is speculated. However, alternative orientations have not been completely ruled out. |
| *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:*<br>○ *easting and northing of the drill hole collar*<br>○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*<br>○ *dip and azimuth of the hole*<br>○ *down hole length and interception depth*<br>○ *hole length.*<br>• *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.* | • Drilling Results used in the selection for the metallurgical sample are extracted from the report entitled "Drilling Results Confirm Wide Shallow High Grade Uranium" released on 28th February 2023 and available to view on https://haranga.com/investors/asx-announcements/. |
| *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.*<br>• *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.*<br>• *The assumptions used for any reporting of metal equivalent values should be clearly stated.* | • Drilling Results used in the selection for the metallurgical sample are extracted from the report entitled "Drilling Results Confirm Wide Shallow High Grade Uranium" released on 28th February 2023 and available to view on https://haranga.com/investors/asx-announcements/.<br>• No metal equivalents are reported. |
| *Relationship between mineralisation widths and intercept lengths* | • *These relationships are particularly important in the reporting of Exploration Results.*<br>• *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.*<br>• *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').* | • Mineralisation is interpreted to be structurally controlled striking approximately 040 and dipping ~80° to 130. From this interpretation, it is clear that some of the historical drillholes dip within, or partly within, the mineralised syenite.<br>• Only downhole intercept lengths are reported as true width is 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.* | • Metallurgical results only reported. |

| Criteria | JORC Code explanation | Commentary |
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| *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.* | • ASX release "Drilling Results Confirm Wide Shallow High Grade Uranium" released on 28th February 2023 includes all drillhole information used as the basis of the Metallurgical sample reported here.<br>• No relevant information has been omitted from this report. |
| *Other substantive exploration data* | • *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.* | The regional geophysical radiometric data was collected in 2007 within the Sysmine framework.<br>Additional historical exploration data exists including drilling by COGEMA and Areva at several other prospects (Diobi, Dalafin, Fanta Diama, Badioula, Samecouta and Kanta Fanta), petrography, mineralogy and metallogeny, however, these data are still being reviewed. If considered material, they will be reported in future.<br>Metallurgical testing (subject of this release)<br>A further two acid leach tests were conducted utilising the below conditions:<br>• Lower acid addition (10 g/L free acid target) at elevated temperature (95C)<br>• Lower acid addition (10 g/L free acid target) at ambient temperature<br>Temperature, free acid and ORP were monitored during the tests and adjusted as required<br>Intermediate and final solution assays were conducted using a combination of ICP-OES/MS<br>Final solids assays were conducted using a combination of XRF and ICP-OES/MS |
| *Further work* | • *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).*<br>• *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.* | • Haranga has undertaken termite mound geochemistry sampling surveys across the entire permit at intervals of 1,000m x 100m, and to 200m x 50m for infill areas. The samples are analyzed with a handheld XRF device.<br>To date:<br>- about 70% of the permit area has been surveyed (11,200 samples collected out of 16,000).<br>- 9,930 infill samples have been collected, out of a planned 12,100samples on infill grids over anomalies.<br>Early results reveal strong uranium anomalism.<br>• Haranga is planning several drilling campaigns on the newly discovered surface anomalies (auger followed by RC drilling).<br>• Further metallurgical testing is being undertaken to explore the ore character of the mineralised episyenite at Saraya and the results will be reported when they are available |