Savannah Resources Plc / Index: AIM / Epic: SAV / Sector: Mining

savannah resources plc

SAVANNAH RESOURCES PLC

AIM: SAV

RNS – 28 February 2017

PROJECT PORTFOLIO

MINERAL SANDS
*MOZAMBIQUE*
(CONSORTIUM AGREEMENT WITH RIO TINTO)

COPPER/GOLD
*OMAN*

LITHIUM
*FINLAND*

## Savannah Resources Plc

# High Grade HMS Mineralisation Confirmed at Ravene, Mutamba Project, Mozambique

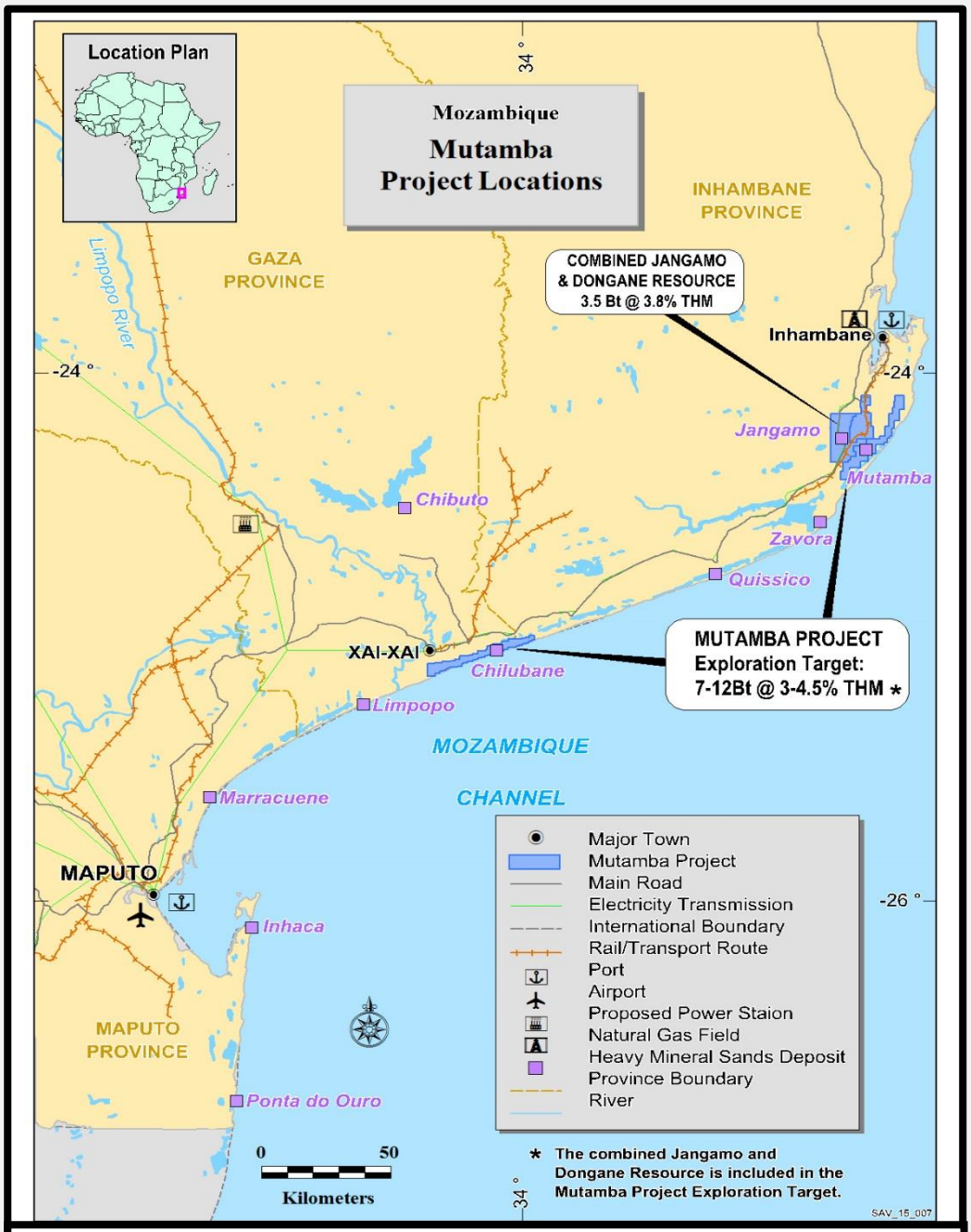
Savannah Resources plc (AIM: SAV) ('Savannah' or 'the Company'), the AIM quoted resource development company, is pleased to confirm that is has identified significant zones of high grade total heavy mineral ('THM') mineralisation at the Ravene deposit in Mozambique. This follows the receipt of drill results from recent work undertaken by Savannah alongside the compilation and verification of legacy drill work undertaken by Rio Tinto **(Figures 1).** The Ravene deposit forms part of the Mutamba Mineral Sands Project, being explored by Savannah and Rio Tinto as part of a consortium agreement (the 'Consortium').

**HIGHLIGHTS:**

- Compilation and verification of legacy Rio Tinto drilling was completed highlighting **significant zones of high grade THM** mineralisation
- Significant Rio Tinto results at 5% THM cut off include:
  - **12m at 15.4% THM from surface** in hole 2762
  - **18m at 9.1% THM from surface** in hole 2807
  - **21m at 7.9% THM from surface** in hole 2812
  - **45m at 7.7% THM from surface** in hole 2593
  - **27m at 6.4% THM from surface** in hole 2757
- Infill drilling carried out by Savannah for 107 drill holes for a total of 2,914m has **successfully confirmed the zones of high grade THM mineralisation**
- Significant Savannah results at a 5% THM cut off include:
  - **12m at 10.5% THM from surface** in hole 5000
  - **12m at 8.7% THM from surface** in hole 4952
  - **15m at 8.1% THM from surface** in hole 4946
  - **27m at 7.1% THM from surface** in hole 4946
  - **36m at 6.5% THM from surface** in hole 4932
- **Drilling confirmed the existence of two mineralised zones of heavy mineral concentrations >5% THM at Ravene, with the main zone having a length of 3.5km and widths up to 1.5km**
- Results will be used to estimate an initial Inferred Mineral Resource over the Ravene deposit – the current work programme focused on the known high grade portions of the mineralisation and further drilling is required to define possible extensions of the mineralisation
- The resource estimation will be fast tracked and included into the Scoping Study, which is currently underway

**Savannah's CEO, David Archer said: "**The drilling results have underscored the Ravene deposit as a potential point of focus for evaluation as an initial mining area in the Scoping Study, which is currently underway. High THM grades have been identified from surface, which are very supportive of our development model for a high grade, low stripping ratio dry mining development. The Ravene deposit main zone shows very good continuity with thick sections of high grades in a 3.5km long zone and up to 1.5km wide. The programme was successfully planned and executed to more precisely define the high grade zones of THM at the Ravene deposit, which we believe could increase the current global Indicated and Inferred Mineral Resource inventory of 3.5 billion tonnes at 3.8% THM at the Mutamba Project North. In parallel, our Scoping Study to better determine the development potential of Mutamba continues to progress well."

**Figure 1. Mutamba Project Location Map**




* It is important to note that the above table is a summary of Exploration Targets and the potential quantity and grade is conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource.

**Introduction**

The Mutamba Project is subject to a consortium agreement between Savannah and Rio Tinto and is operated by Savannah. The Mutamba Project includes the Mutamba Project North (consisting of Jangamo, Dongane and Ravene deposits) and the Chilubane deposit, which is located 180km to the southwest of the Mutamba Project North. The current resource statement of 3.5 billion tonnes at 3.8% THM includes only the Jangamo and Dongane deposits **(Figure 1).**

The Ravene deposit which is part of the Mutamba Project North is relatively under evaluated and the drilling results suggest that it has the potential to host significant zones of high grade heavy minerals. The aim of the drilling at Ravene was to infill the original grid on a 500m line spacing to provide drilling information at a concentration of 500m x 500m so that it can be used to calculate an inferred mineral resource and be incorporated into the Scoping Study which is currently underway.

**Rio Tinto Drilling**

Rio Tinto completed an initial drill programme at Ravene between 2002 and 2004, drilling a total of 119 holes RC for 5,039m on a 1km by 500m grid **(Figure 2-3).** These results have now been reviewed and verified by the recent Savannah drill programme. The top 10 significant results are summarised below in **Table 1**, with full results in **Appendix 1-3.**

The drilling confirmed three main zones of heavy mineral concentrations greater than 5% THM. The largest of these zones occurred in the northern block of the drill grid, occurring over a distance of 8km. The mineralisation is seen to occur in sequence of parabolic dunes made up of third generation of dunes striking on a north-south trend. The two other mineralised zones occur in the southern block of the Ravene deposit and are smaller, occurring over a distance of 4km for one and 1km for the other.

**Table 1. Summary of Top 10 Results from Historical Rio Tinto Drilling**

| Rio Tinto | | 3% THM Cut off | | 5% THM Cut off | |
|---|---|---|---|---|---|
| **Hole** | **From (m)** | **Width (m)** | **Avg THM %** | **Width (m)** | **Avg THM %** |
| **2591** | 0 | 33 | 6.0 | 30 | 6.3 |
| **2593** | 0 | 48 | 7.5 | 45 | 7.7 |
| **2702** | 0 | 45 | 5.6 | 42 | 5.8 |
| **2711** | 0 | 27 | 5.5 | 27 | 5.5 |
| **2757** | 0 | 39 | 5.5 | 27 | 6.4 |
| **2762** | 0 | 30 | 8.3 | 12 | 15.4 |
| **2780** | 0 | 63 | 5.4 | 63 | 5.4 |
| **2807** | 0 | 33 | 6.5 | 18 | 9.1 |
| **2811** | 0 | 24 | 5.9 | 18 | 6.6 |
| **2812** | 0 | 24 | 7.4 | 21 | 7.9 |

**Savannah Drilling**

Drilling at Ravene **(Figure 2-3)** was carried out over a 21km length, targeting specific zones of high grade mineralisation outlined by the Rio Tinto drilling. The programme commenced in December 2016 and was completed in January 2017, with 107 holes drilled for a total of 2,914m. The top 10 significant results are summarised below in **Table 2**, with full results in **Appendix 1-3.**

The results of the infill drilling carried out by Savannah confirmed the existence of the major zone of heavy mineral concentrations in northern Ravene block. The bulk of the high grade concentrations are found in the southern section of the main zone with a length of 3.5km and widths up to 1.5km. The mineralisation to the north of this zone is consistent at cut off grades of 3% and 4% THM. The mineralisation in southern Ravene is more discrete comprising three smaller zones up to 1.9km in length, which has a greater continuity at a 3% cut-off. A typical cross section of the mineralisation at Ravene can be found in **Figure 4.**

Further assessment of the mineralogy of the heavy minerals at Ravene will be conducted on material retrieved during the recent drilling programme. Previous studies, however, indicate the THM at Ravene contains approximately 54% ilmenite and 2.3% zircon.

**Table 2. Summary of Top 10 Results from Recent Savannah Resources Drilling**

| Savannah Resource | | 3% THM Cut off | | 5% THM Cut off | |
|---|---|---|---|---|---|
| **Hole** | **From (m)** | **Width (m)** | **THM %** | **Width (m)** | **THM %** |
| **4932** | 0 | 39 | 6.2 | 36 | 6.5 |
| **4944** | 0 | 36 | 5.0 | 21 | 6.3 |
| **4945** | 0 | 21 | 7.0 | 15 | 8.1 |
| **4946** | 0 | 27 | 7.1 | 27 | 7.1 |
| **4952** | 0 | 15 | 7.7 | 12 | 8.7 |
| **4954** | 0 | 42 | 5.9 | 33 | 6.3 |
| **4957** | 0 | 24 | 5.6 | 21 | 5.9 |
| **4979** | 0 | 36 | 6.4 | 33 | 6.7 |
| **4998** | 0 | 39 | 6.1 | 39 | 6.1 |
| **5000** | 0 | 27 | 6.7 | 12 | 10.5 |

**Figure 2. Map of the Ravene prospect area with Savannah's completed drilling (blue) and existing Rio Tinto drilling (black) highlighting key results using a 3% THM cut off showing the consistent broad zone of mineralisation identified**

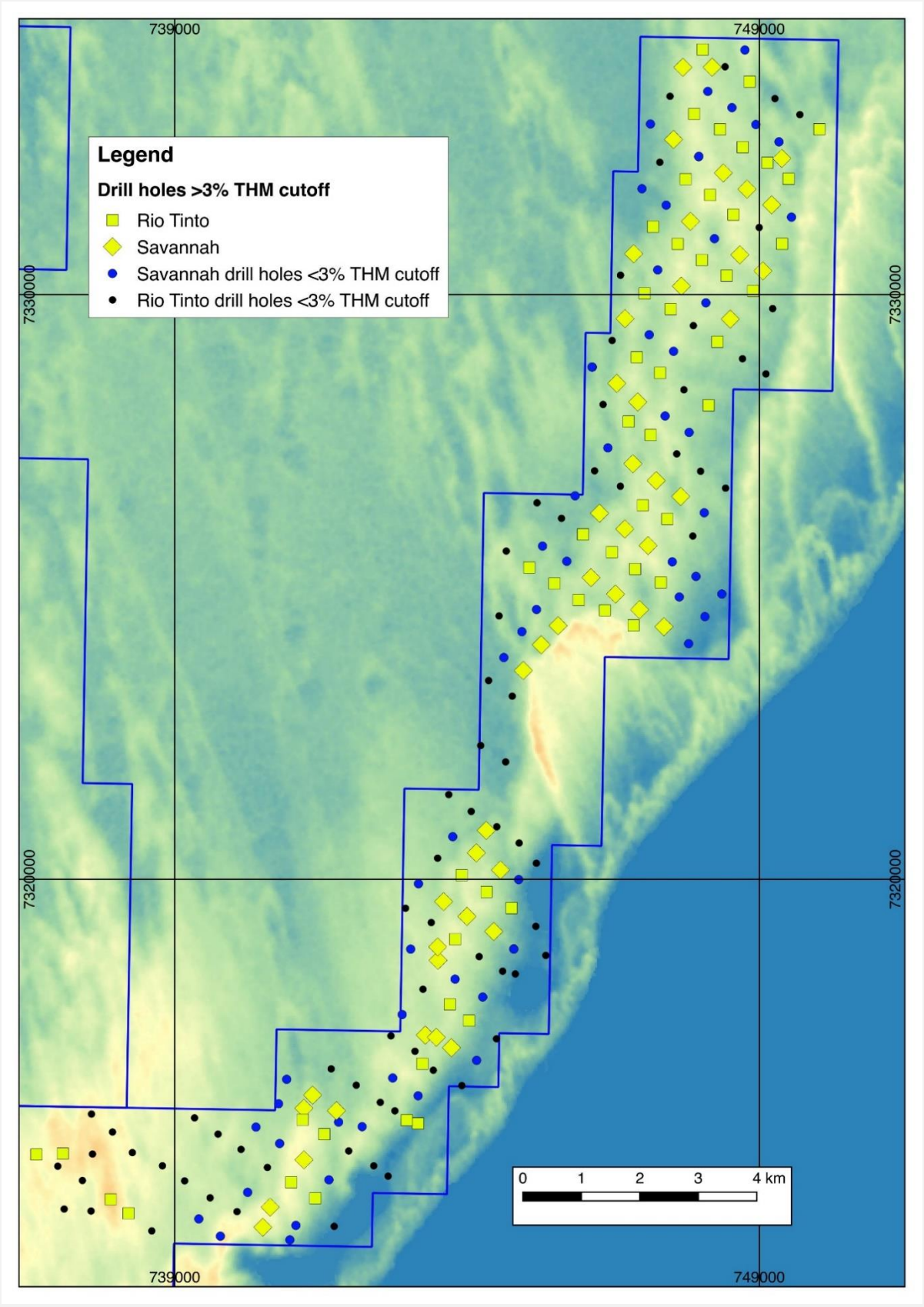


**Figure 3. Map of the Ravene prospect area with Savannah's completed drilling (blue) and existing Rio Tinto drilling (black) highlighting key results using a 5% THM cut off**

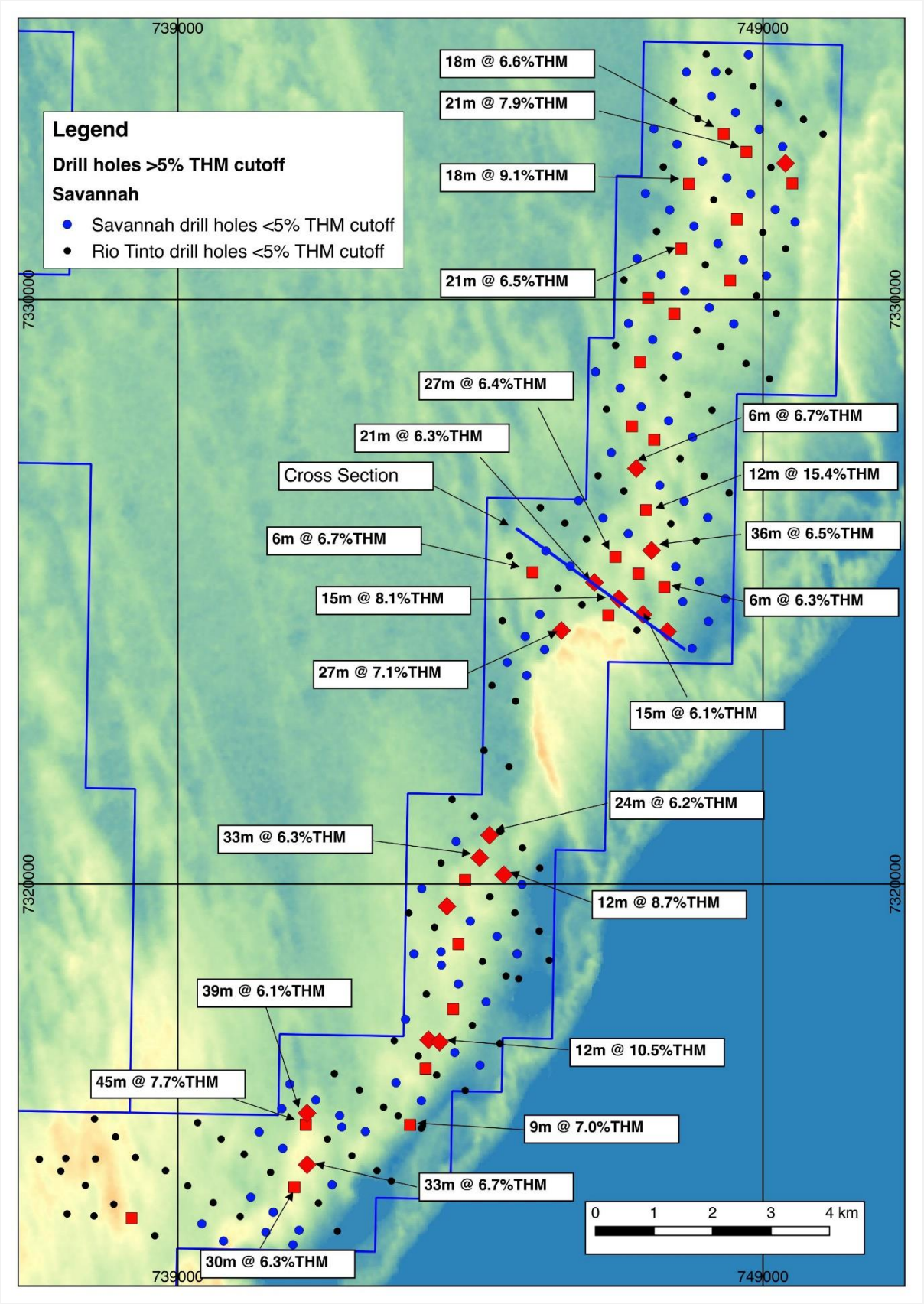
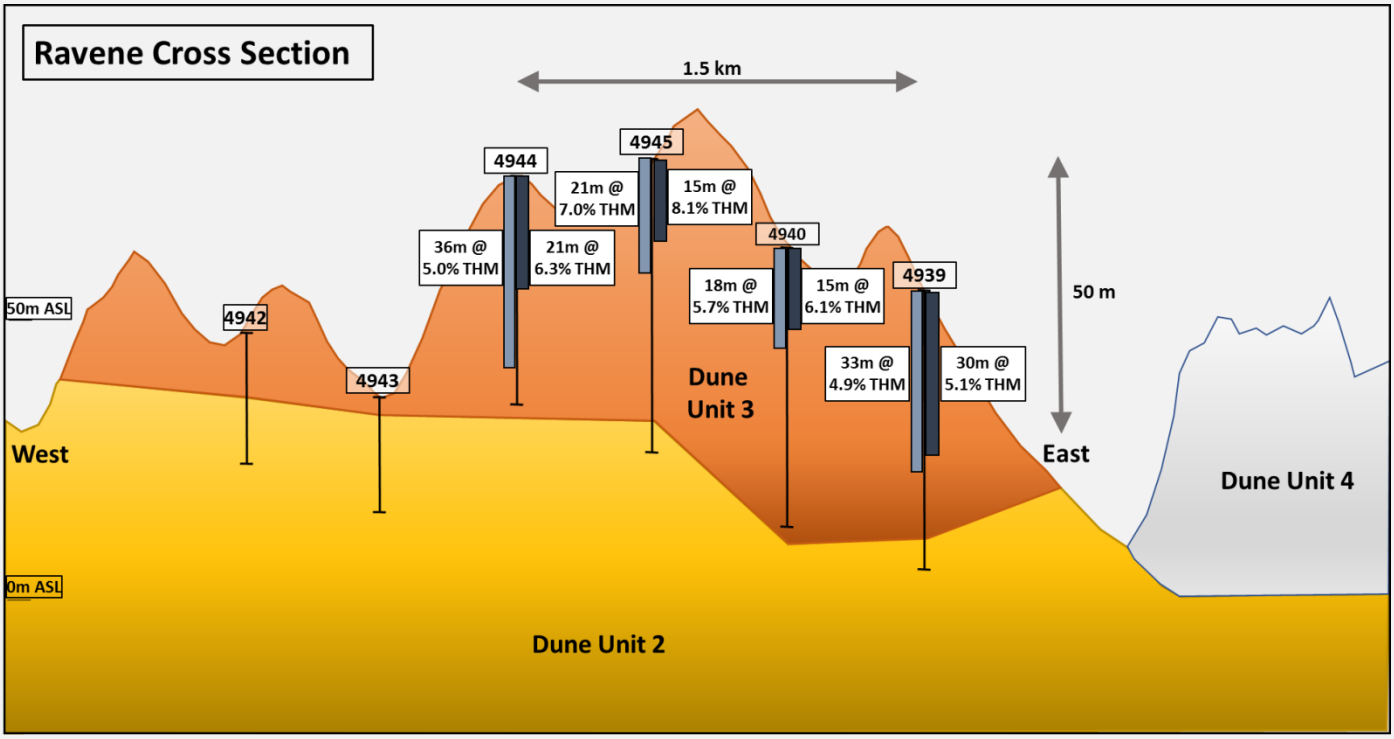


**Figure 4. East to West Section - Ravene Deposit showing mineralisation and geology**




**Competent Person and Regulatory Information**

The information in this document that relates to exploration results is based upon information compiled by Mr Dale Ferguson, Technical Director of Savannah Resources Limited. Mr Ferguson is a Member of the Australian Institute of Mining and Metallurgy (AusIMM) and has sufficient experience which 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 December 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (JORC Code). Mr Ferguson consents to the inclusion in the report of the matters based upon the information in the form and context in which it appears.

The information in this document that relates to the resource estimation is based upon information compiled by Mr Colin Rothnie, an independent consultant. Mr Rothnie is a Member of the Australian Institute of Mining and Metallurgy (AusIMM) and has sufficient experience which 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 December 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (JORC Code). Mr Rothnie consents to the inclusion in the report of the matters based upon the information in the form and context in which it appears.

This announcement contains inside information for the purposes of Article 7 of Regulation (EU) 596/2014.

****ENDS****

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**Notes**

Savannah Resources Plc (AIM: SAV) is a growth oriented, multi-commodity, mineral development company.

*Mozambique*

Savannah operates the Mutamba heavy mineral sands project in Mozambique in collaboration with Rio Tinto, and can earn a 51% interest in the related Consortium, which has an established initial Indicated and Inferred Mineral Resource Estimate of 3.5 billion tonnes at 3.8% THM over the Jangamo and Dongane deposits. Under the terms of the Consortium Agreement with Rio Tinto, upon delivery by Savannah of the following Savannah will earn the corresponding interest in the Mutamba Project: Scoping Study - 20%; Pre-Feasibility Study - 35%; Feasibility Study – 51%. Additionally, the Consortium Agreement includes an offtake agreement on commercial terms for the sale of 100% of production to Rio Tinto (or an affiliate).

*Oman*

Savannah has interests in two copper blocks in the highly prospective Semail Ophiolite Belt in Oman. The projects, which have an Indicated and Inferred Mineral Resource of 1.7Mt @ 2.2% copper and high grade intercepts of up to 56.35m at 6.21% Cu, with gold credits, provide Savannah with an excellent opportunity to potentially evolve into a mid-tier copper and gold producer in a relatively short time frame. Together with its Omani partners, Savannah aims to outline further mineral resources to provide the critical mass for a central operating plant to develop the deposits and in December 2015 outlined exploration targets of between 10,700,000 and 29,250,000 tonnes grading between 1.4% and 2.4% copper.

*Finland*

Savannah has Reservation Permits over two new lithium projects, Somero and Erajarvi, covering an area of 159km² in Finland. Savannah holds a 100% interest in these projects through its Finnish subsidiary Finkallio Oy. Geological mapping by the Finnish Government within the project areas has highlighted the presence of lithium minerals spodumene, lepidolite and petalite with the Government also identifying Somero and Erajarvi as one of the most prospective areas to discover lithium deposits in Finland. Follow up work to further expand and define the pegmatites in readiness for drilling is being planned for the second quarter of 2017 (after winter).

## APPENDIX 1 – JORC 2012 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.* | • Reverse circulation, air-core drill samples were taken at 3m intervals. All holes were drilled vertically with NQ sized drill rods. Large plastic bags were placed under a cyclone to capture a complete 3m run of sediment intersected by the drill. The bulk sample was then dried and split using a rotary splitter to get a sub sample of 500 to 700g for heavy mineral determination |
| | • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* | • Air-Core Drilling. Drilling is conducted on a regular grid using air-core drilling technology, an industry standard drilling technique for HM deposits. Drilling rods are 3m long and 1 sample is taken for each rod interval.<br>• Collar surveys are carried using hand held GPS with an accuracy to within 5m, and the z direction was determined by satellite derived elevation data and is accurate to less than a metre.<br>• A bulk sample of a run from a 3m drill rod was dried and weighted to assess the expected recovery for each interval. Dried sample weights were plotted against an “expected” value and were used to monitor the recovery of each drilled interval. |
| | • *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.* | • Heavy minerals occur disseminated within sedimentary units. At Ravene there are units deposited as aeolian dunes with vertical continuity. Mineralised zones extend for many hundreds of metres to kilometers along strike with minor local variability.<br>• Down hole sampling is carried out at 3m intervals coinciding with the length of a drill rod. The sample interval is considered standard for gaining an understanding of the vertical extent and continuity of mineralisation. Bulk samples at the rig were dried and split to 500g to 700g sub samples for heavy mineral and slimes analysis. |
| 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).* | • NQ air-core drilling with hole diameter approximately 81mm, and a drill rod diameter of approximately 75mm, all holes are vertical. Air-core drilling is a form of reverse circulation drilling requiring annular drill rods. Compressed air is pumped down the outer tube and the sample is collected from the open face drilling bit and blown up the inner tube. It is well suited to drilling unconsolidated sediments and it is one of the few drilling techniques to give |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | | good sample quality below the water table. |
| Drill sample recovery | • *Method of recording and assessing core and chip sample recoveries and results assessed.* | • Field assessment of sample volume. A theoretical dried sample mass was estimated to be within the range of 18 kg to 24 Kg, 70% of samples are within the expected range. Lower than average sample recovery is recorded only for the very top of the drill hole due to air and sample losses into the surrounding soil. At Ravene the water table was very rarely encountered. When the water table was encountered. In order to avoid sample contamination from upper intervals, cyclone and hoses were flushed before a new sample interval run in saturated soil conditions. |
| | • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* | • The entire drill sample is delivered to the laboratory for further analysis, thereby eliminating the possibility of sample bias caused by splitting the sample in the field.<br>• Sample bias and segregation are kept to a minimum with the whole sample interval collected in large plastic bags at the rig and transported to the laboratory, where they are placed into large metal trays and the whole sample air dried. The dried samples were broken up in the trays and returned to the sample bag for splitting.<br>• Low recoveries were observed in transitions between dune types. Higher slimes in underlying non-mineralised units were encountered which slowed the rigs usual advance rate. When this occurred water was injected into the airstream to stop clay particles from accreting to the inside of the inner tube and blocking it. |
| | • *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.* | • Materials sampled by the air-core drilling rig can be dry, moist or wet. Dry samples may lose some of their slimes fraction due to blowing out of the sampling equipment. The amount of dust coming out of the cyclone was monitored and kept to an absolute minimum. HM and oversize are not expected to be affected. Moist drill samples (the most commonly found at Ravene) are the most representative as the whole sample is returned as “clumps” of material from the bit face. There is no chance for HM or slimes to segregate in the moist samples, because all of the material stays stuck together. When dust levels were high water was generally injected into the airstream to maintain integrity of the sample fractions. |
| 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.* | • All drill holes were logged in the field at the time of sampling. Each 3m sample interval was carefully homogenised and assessed for lithology, colour, grain size, degree of roundness and sorting. Each interval was semi quantitatively assessed for slimes content and heavy mineral concentrations by washing and panning a standard representative subsample. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | *Core (or costean, channel, etc) photography.*<br>• *The total length and percentage of the relevant intersections logged.* | • Virtually all of the drill samples are sand with minor silt. Drillhole logs are useful in separating geology units and for checking the laboratory results, but do not provide any information additional to the laboratory data that is fundamentally required for the resource estimation. |
| 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. | • The full sample of each 3m drill run was sampled in the field and after logging was labeled and sealed and taken to the laboratory for analysis. The complete sample was dried in large metal trays and once dry the sample is placed into a container to be broken up into individual particles for homogenization. The complete dry sample weight is recorded and then two sub samples of 500 to 700g are made using a rotary splitter one sample is for analysis and the other sample is for reference. |
| | • For all sample types, the nature, quality and appropriateness of the sample preparation technique. | • All drill samples consist of sand, or silty sand. For these samples the sample preparation method is appropriate. |
| | • Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples. | • All sample preparation and analysis stages are documented as a set of standard operating procedures.<br>• All stages of the analytical process are monitored by the laboratory supervisor to ensure all procedures are being adhered to.<br>• All weights are automatically captured by the use of an in-house laboratory information management system (LIMS) software, which minimizes any human data input and the risk of mistyping values into the database.<br>• In-house reference standards, blanks and duplicates are routinely inserted in the sample sequence at a rate of 1:20 to assess the quality of sampling and analysis.<br>• Drill holes were also twinned at a rate of 1:20 holes. |
| | • 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. | • The entire interval sampled is collected and delivered to the laboratory. Care is taken with the sample collection and handling to ensure that the sample delivered to the laboratory is representative of the interval drilled. |
| | • Whether sample sizes are appropriate to the grain size of the material being sampled. | • The three-metre drill sample of nominal size is considered large enough to reliably capture the HM, slimes and oversize characteristics of the in-situ material.<br>• The 500g sub sample is considered sufficient large to consistently determine the concentration of heavy minerals. The sample size is also considered large enough to assess slimes content and the oversize fraction. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| 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. | • Sieving is carried out to assess the amount of particles greater than 1mm (oversize) and the amount of material less than 45 microns (slimes).<br>• The heavy mineral concentration of each sample is determined by carrying a heavy liquid separation (HLS) using an industry-approved liquid with a density of 2.85g/cm3. The heavy liquid is water-soluble and density is monitored closely.<br>• The heavy minerals are separated from the lighter minerals (mainly quartz) by sinking in the heavy liquid medium. The heavy minerals are then separated, washed and weighed. |
| | • 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. | • Not used. |
| | • 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. | • Field duplicate samples are inserted into each processing batch at a rate of 1:20 samples. External laboratories are also used to analyze the duplicate samples and used as a comparison.<br>• Blank samples consisting of either pure quartz sand or the waste light minerals removed from the HLS process are inserted 1:20 samples.<br>• Laboratory duplicate samples are inserted randomly in a batch from a sample split prior to HLS.<br>• Standard material generated on site, consisting of a low grade, medium grade and high grade samples were homogenized over and extended period to ensure uniformity. Standards were inserted at a rate of 1:20 samples.<br>• Light minerals fraction was randomly re-submitted to floating tests way to assess possible remaining trapped heavy minerals content. |
| Verification of sampling and assaying | • The verification of significant intersections by either independent or alternative company personnel. | • Mineral sands drilling involves numerous drill holes over large areas with generally, moderate grade intersections. High grade are sometimes encountered however the intersections are a relatively insignificant part of the overall mineralisation, high grade results are often checked by examining the HM “sinks” from the analysis (the HM resulting from the analysis process is stored for further testing). |
| | • The use of twinned holes. | • Drill holes were twinned routinely every 20 holes. The initial hole was drilled at the specified location and then the rig was moved no more than 2m from the original hole and drilled and sampled to the same depth. |
| | • Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) | • In the laboratory the data is recorded directly into the in-house LIMS software. Once a week the laboratory data is verified by a database manager who runs |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | protocols. | QA/QC reports. The drill hole collar, survey and geological logging data was also sent for incorporation into the database. The full data was then returned to the onsite geologists for checking, and then uploaded into a secure Acquire database platform.<br>• Data is loaded into relevant software for cross sections to be plotted with THM and slime concentrations and interpreted geology so that the base of mineralisation can be reliably predicted. |
| | • Discuss any adjustment to assay data. | • No adjustments are made to the assay data for the purposes of public reporting. |
| 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. | • The coordinate of each hole was taken at the time of drilling using a hand held GPS with an accuracy of 5m.<br>• The coordinate system is UTM 36S (WGS84)<br>• A detailed digital elevation model has been generated for the Ravene area using available high-resolution stereo pairs from satellite data.<br>• The vertical accuracy of the data is 0.5m. |
| 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. | • Hole spacing is approximately 1000m by 500m at Ravene and have been designed to infill historical drilling on a 1000m by 500m spacing so that an overall drill spacing of 500m by 500m was obtained.<br>• Data at Ravene together with historical data is sufficient to establish geological and grade continuity needed for an inferred Mineral Resource estimation. The current drilling, on a grid of 1000m x 500m is infilling drilling of historical drilling conducted by Rio Tinto, to obtain a density of 500m x 500m.<br>• Samples were composited over an interval of 3m equaling the length of a drill rod. |
| 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. | • The mineralisation at Ravene has two trends, the first is the major trend following the general direction of the coast line. The second trend is dictated by dune morphology.<br>• The drill holes are arranged along lines that are oriented perpendicular to the major coastal trend, and the orientation and 500m x 500m spacing of holes is considered effective and unbiased in testing the mineralisation. |
| Sample security | • The measures taken to ensure sample security. | • Chain of custody is managed by Savannah. Samples are stored on site in a locked yard. Check samples are then transported to Johannesburg by road freight. Savannah personnel have no contact with the samples once they have been dispatched.<br>• HM samples are retrieved as necessary when further mineralogical analysis is required. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| Audits or reviews | • The results of any audits or reviews of sampling techniques and data. | • An audit and review of the sampling techniques and data have been completed by an independent third party who confirmed that they were appropriate and are being conducted to a suitable standard. |

**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.*<br>• *The security of the tenure held at the time of reporting along with any known impediments to obtaining a license to operate in the area.* | • The Ravene prospect is located with the exploration permit 566L where Savannah is earning a 51% interest in the Block with the remainder being held by JV partner Rio Tinto.<br>• The tenement is subject to a memorandum of understanding (MoU) between Rio Tinto and the Mozambican government. The MoU grants Rio Tinto a right of priority to a mining concession in the area covered by the MoU during its term. |
| *Exploration done by other parties* | • *Acknowledgment and appraisal of exploration by other parties.* | • At Ravene, Rio Tinto carried out various field programs from 2000 to 2004, which consisted of sampling using a hand auger and an RC drill program. Interpretation of the field results has been ongoing up to 2013. |
| *Geology* | • *Deposit type, geological setting and style of mineralisation.* | • The mineralisation at Ravene is hosted in a sequence of older dune sands that are situated approximately 5km from the present coast line. The general trend of dunes is to the northeast, parallel with the present coast. The dunes themselves are a series of parabolic dunes representing ancient blowouts with mineralisation occurring in both the dune faces and arms of the blowouts. The mineralised dunes, have been mapped as the third in a sequence of older dunes that overlie the fluvial sediments of the Mutamba river. The oldest dunes D1 are characterised by high slimes and a deep red colour and are not present in the Ravene area. The next oldest D2 sands form a basement to the D3 mineralisation seen at Ravene are characterized by a slight colour change, an increase in slimes and lower THM. Overlying the mineralised D3 unit to the east are more recent coastal dunes (D4) that have been blown inland. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *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.* | • The location of the drilling at Ravene is summarised in the body of this release.<br>• Previously completed holes by Rio Tinto are not all reported in this release.<br>• All holes completed in this program by Savannah have been reported in this release. |
| *Data aggregation methods* | • *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.*<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.* | • No assays were reported as part of this release as results are still pending |
| *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').* | • Exploration results are reported as length weighted averages.<br>• No high grade cuts have been applied to the reporting of the exploration results.<br>• No metal equivalent values have been used.<br>• The drill holes are vertical and the mineralisation is sub vertical. |
| *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.* | • Relevant diagrams and maps have been included in the main body of the release. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *Balanced reporting* | • *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.* | • All results have been reported. |
| *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 interpretation of the results at Ravene are consistent with the observations and information obtained from historical data collected. |
| *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.* | • No further drilling is planned with recent drilling to be incorporated into a mineral resource estimate when they become available |

**Appendix 1. Drill hole collar summary (Datum : UTM36, all holes were vertical)**

| HoleID | HoleType | Prospect | UTM_East | UTM_North | RL | Depth | Company |
|---|---|---|---|---|---|---|---|
| 4892 | RC_NQ | Ravene | 748531 | 7333197 | 70.1 | 20.5 | Savannah Resources |
| 4893 | RC_NQ | Ravene | 748939 | 7332908 | 55.8 | 21 | Savannah Resources |
| 4896 | RC_NQ | Ravene | 749210 | 7331535 | 68.9 | 33 | Savannah Resources |
| 4897 | RC_NQ | Ravene | 749549 | 7331324 | 59.4 | 18 | Savannah Resources |
| 4898 | RC_NQ | Ravene | 748788 | 7331803 | 72.5 | 33 | Savannah Resources |
| 4899 | RC_NQ | Ravene | 748383 | 7332080 | 76.2 | 45 | Savannah Resources |
| 4900 | RC_NQ | Ravene | 747962 | 7332359 | 85.6 | 21 | Savannah Resources |
| 4901 | RC_NQ | Ravene | 747965 | 7332364 | 85.4 | 21 | Savannah Resources |
| 4902 | RC_NQ | Ravene | 747531 | 7332653 | 54.8 | 30 | Savannah Resources |
| 4903 | RC_NQ | Ravene | 747136 | 7332917 | 33.4 | 12 | Savannah Resources |
| 4904 | RC_NQ | Ravene | 746991 | 7331810 | 29.8 | 12 | Savannah Resources |
| 4905 | RC_NQ | Ravene | 747406 | 7331529 | 37.1 | 21 | Savannah Resources |
| 4906 | RC_NQ | Ravene | 747821 | 7331252 | 73.2 | 48 | Savannah Resources |
| 4907 | RC_NQ | Ravene | 748232 | 7330956 | 52.6 | 24 | Savannah Resources |
| 4908 | RC_NQ | Ravene | 748666 | 7330679 | 89.6 | 45 | Savannah Resources |
| 4909 | RC_NQ | Ravene | 749060 | 7330405 | 74.6 | 21 | Savannah Resources |
| 4910 | RC_NQ | Ravene | 748502 | 7329581 | 63.9 | 42 | Savannah Resources |
| 4911 | RC_NQ | Ravene | 748085 | 7329859 | 69.5 | 18 | Savannah Resources |
| 4912 | RC_NQ | Ravene | 747665 | 7330145 | 88.4 | 57 | Savannah Resources |
| 4913 | RC_NQ | Ravene | 747261 | 7330421 | 66.5 | 18 | Savannah Resources |
| 4914 | RC_NQ | Ravene | 746849 | 7330699 | 54.2 | 18 | Savannah Resources |
| 4915 | RC_NQ | Ravene | 746702 | 7329588 | 68.2 | 36 | Savannah Resources |
| 4916 | RC_NQ | Ravene | 747115 | 7329313 | 49.5 | 15 | Savannah Resources |
| 4917 | RC_NQ | Ravene | 747532 | 7329030 | 74 | 57 | Savannah Resources |
| 4918 | RC_NQ | Ravene | 747798 | 7327643 | 52.7 | 21 | Savannah Resources |
| 4919 | RC_NQ | Ravene | 747387 | 7327923 | 81.6 | 30 | Savannah Resources |
| 4920 | RC_NQ | Ravene | 746919 | 7328163 | 67.7 | 33 | Savannah Resources |
| 4921 | RC_NQ | Ravene | 746560 | 7328481 | 71 | 39 | Savannah Resources |
| 4922 | RC_NQ | Ravene | 746142 | 7328760 | 46.9 | 18 | Savannah Resources |
| 4923 | RC_NQ | Ravene | 746136 | 7328760 | 45.9 | 18 | Savannah Resources |
| 4924 | RC_NQ | Ravene | 746408 | 7327378 | 51.8 | 12 | Savannah Resources |
| 4925 | RC_NQ | Ravene | 746836 | 7327107 | 74.4 | 45 | Savannah Resources |
| 4926 | RC_NQ | Ravene | 747235 | 7326818 | 86.1 | 48 | Savannah Resources |
| 4927 | RC_NQ | Ravene | 747654 | 7326547 | 62.9 | 45 | Savannah Resources |
| 4928 | RC_NQ | Ravene | 748057 | 7326268 | 48.6 | 12 | Savannah Resources |
| 4929 | RC_NQ | Ravene | 746698 | 7325991 | 67.3 | 42 | Savannah Resources |
| 4930 | RC_NQ | Ravene | 746266 | 7326260 | 52.5 | 27 | Savannah Resources |
| 4931 | RC_NQ | Ravene | 745848 | 7326558 | 39.3 | 15 | Savannah Resources |
| 4932 | RC_NQ | Ravene | 747096 | 7325706 | 86.5 | 48 | Savannah Resources |
| 4933 | RC_NQ | Ravene | 747510 | 7325429 | 68.4 | 24 | Savannah Resources |
| 4934 | RC_NQ | Ravene | 747915 | 7325179 | 37.1 | 33 | Savannah Resources |
| 4935 | RC_NQ | Ravene | 748358 | 7324878 | 16.4 | 12 | Savannah Resources |
| 4936 | RC_NQ | Ravene | 748068 | 7324492 | 13.5 | 21 | Savannah Resources |
| 4937 | RC_NQ | Ravene | 747630 | 7324828 | 50.3 | 42 | Savannah Resources |
| 4938 | RC_NQ | Ravene | 747790 | 7324030 | 18 | 30 | Savannah Resources |
| 4939 | RC_NQ | Ravene | 747367 | 7324319 | 55.3 | 51 | Savannah Resources |
| 4940 | RC_NQ | Ravene | 746950 | 7324611 | 63.3 | 51 | Savannah Resources |
| 4941 | RC_NQ | Ravene | 746955 | 7324615 | 62.5 | 51 | Savannah Resources |
| 4942 | RC_NQ | Ravene | 745291 | 7325698 | 47.9 | 24 | Savannah Resources |
| 4943 | RC_NQ | Ravene | 745706 | 7325438 | 36 | 21 | Savannah Resources |
| 4944 | RC_NQ | Ravene | 746120 | 7325159 | 76.6 | 42 | Savannah Resources |
| 4945 | RC_NQ | Ravene | 746539 | 7324877 | 79.6 | 54 | Savannah Resources |
| 4946 | RC_NQ | Ravene | 745557 | 7324337 | 66.4 | 39 | Savannah Resources |
| 4947 | RC_NQ | Ravene | 745188 | 7324614 | 67.7 | 18 | Savannah Resources |
| 4948 | RC_NQ | Ravene | 744938 | 7324235 | 34.2 | 18 | Savannah Resources |
| 4949 | RC_NQ | Ravene | 745269 | 7324010 | 42.9 | 18 | Savannah Resources |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4950 | RC_NQ | Ravene | 744629 | 7323792 | 34.7 | 12 | Savannah Resources |
| 4951 | RC_NQ | Ravene | 744962 | 7323570 | 58.4 | 24 | Savannah Resources |
| 4952 | RC_NQ | Ravene | 744571 | 7320159 | 54.9 | 24 | Savannah Resources |
| 4953 | RC_NQ | Ravene | 744883 | 7319994 | 30.6 | 14 | Savannah Resources |
| 4954 | RC_NQ | Ravene | 744158 | 7320451 | 74.3 | 46 | Savannah Resources |
| 4955 | RC_NQ | Ravene | 743755 | 7320728 | 45.3 | 18 | Savannah Resources |
| 4956 | RC_NQ | Ravene | 743169 | 7319923 | 62.9 | 18 | Savannah Resources |
| 4957 | RC_NQ | Ravene | 743599 | 7319619 | 71.9 | 28 | Savannah Resources |
| 4958 | RC_NQ | Ravene | 743998 | 7319365 | 84.8 | 18 | Savannah Resources |
| 4959 | RC_NQ | Ravene | 744456 | 7319107 | 52.6 | 30 | Savannah Resources |
| 4960 | RC_NQ | Ravene | 744799 | 7318809 | 32.1 | 15 | Savannah Resources |
| 4961 | RC_NQ | Ravene | 744799 | 7318805 | 31.7 | 15 | Savannah Resources |
| 4962 | RC_NQ | Ravene | 744268 | 7317985 | 38.9 | 16 | Savannah Resources |
| 4963 | RC_NQ | Ravene | 743795 | 7318291 | 79.2 | 18 | Savannah Resources |
| 4964 | RC_NQ | Ravene | 743035 | 7318805 | 68.3 | 15 | Savannah Resources |
| 4965 | RC_NQ | Ravene | 743503 | 7318613 | 92.4 | 21 | Savannah Resources |
| 4966 | RC_NQ | Ravene | 742890 | 7317686 | 72.2 | 18 | Savannah Resources |
| 4967 | RC_NQ | Ravene | 743286 | 7317335 | 79.5 | 24 | Savannah Resources |
| 4968 | RC_NQ | Ravene | 744163 | 7316902 | 25.5 | 24 | Savannah Resources |
| 4969 | RC_NQ | Ravene | 743732 | 7317119 | 57.9 | 24 | Savannah Resources |
| 4970 | RC_NQ | Ravene | 742728 | 7316601 | 74.9 | 18 | Savannah Resources |
| 4971 | RC_NQ | Ravene | 743162 | 7316296 | 56.9 | 18 | Savannah Resources |
| 4972 | RC_NQ | Ravene | 742205 | 7315768 | 78.6 | 18 | Savannah Resources |
| 4973 | RC_NQ | Ravene | 741766 | 7316041 | 73 | 33 | Savannah Resources |
| 4974 | RC_NQ | Ravene | 741357 | 7316308 | 64.4 | 30 | Savannah Resources |
| 4975 | RC_NQ | Ravene | 740914 | 7316578 | 51.8 | 18 | Savannah Resources |
| 4976 | RC_NQ | Ravene | 740776 | 7316160 | 60.3 | 18 | Savannah Resources |
| 4977 | RC_NQ | Ravene | 740389 | 7315761 | 64.6 | 18 | Savannah Resources |
| 4978 | RC_NQ | Ravene | 740794 | 7315480 | 73.4 | 18 | Savannah Resources |
| 4979 | RC_NQ | Ravene | 741210 | 7315201 | 98.3 | 42 | Savannah Resources |
| 4980 | RC_NQ | Ravene | 741637 | 7314859 | 52.6 | 18 | Savannah Resources |
| 4981 | RC_NQ | Ravene | 741072 | 7314079 | 71.7 | 18 | Savannah Resources |
| 4982 | RC_NQ | Ravene | 740632 | 7314392 | 98.3 | 33 | Savannah Resources |
| 4983 | RC_NQ | Ravene | 740630 | 7314389 | 98.4 | 33 | Savannah Resources |
| 4984 | RC_NQ | Ravene | 740247 | 7314645 | 52.9 | 18 | Savannah Resources |
| 4985 | RC_NQ | Ravene | 739411 | 7314190 | 74 | 18 | Savannah Resources |
| 4986 | RC_NQ | Ravene | 739780 | 7313895 | 117.9 | 27 | Savannah Resources |
| 4987 | RC_NQ | Ravene | 740506 | 7314047 | 95.5 | 24 | Savannah Resources |
| 4988 | RC_NQ | Ravene | 740969 | 7313832 | 51 | 27 | Savannah Resources |
| 4998 | RC_NQ | Ravene | 741209 | 7316083 | 84.3 | 48 | Savannah Resources |
| 4999 | RC_NQ | Ravene | 741802 | 7315846 | 71 | 24 | Savannah Resources |
| 5000 | RC_NQ | Ravene | 743473 | 7317297 | 82.7 | 33 | Savannah Resources |
| 5001 | RC_NQ | Ravene | 743476 | 7317293 | 82.6 | 33 | Savannah Resources |
| 5002 | RC_NQ | Ravene | 743497 | 7318843 | 88.4 | 18 | Savannah Resources |
| 5003 | RC_NQ | Ravene | 744328 | 7320835 | 64 | 42 | Savannah Resources |
| 5004 | RC_NQ | Ravene | 749384 | 7332328 | 74.7 | 21 | Savannah Resources |
| 5005 | RC_NQ | Ravene | 749335 | 7332612 | 63.6 | 18 | Savannah Resources |
| 5006 | RC_NQ | Ravene | 748118 | 7333475 | 77.5 | 24 | Savannah Resources |
| 5007 | RC_NQ | Ravene | 748192 | 7333889 | 68.2 | 39 | Savannah Resources |
| 5008 | RC_NQ | Ravene | 748752 | 7334183 | 84.4 | 24 | Savannah Resources |
| 5009 | RC_NQ | Ravene | 737906 | 7314524 | 77.3 | 33 | Savannah Resources |
| 2583 | RC_NQ | Ravene | 737421 | 7314847 | 145 | 54 | Rio Tinto |
| 2584 | RC_NQ | Ravene | 736999 | 7315092 | 111 | 30 | Rio Tinto |
| 2585 | RC_NQ | Ravene | 738275 | 7315325 | 110 | 33 | Rio Tinto |
| 2586 | RC_NQ | Ravene | 737935 | 7315676 | 108 | 36 | Rio Tinto |
| 2587 | RC_NQ | Ravene | 737576 | 7315984 | 105 | 36 | Rio Tinto |
| 2588 | RC_NQ | Ravene | 739338 | 7315919 | 121 | 45 | Rio Tinto |
| 2589 | RC_NQ | Ravene | 739740 | 7315640 | 96 | 51 | Rio Tinto |
| 2590 | RC_NQ | Ravene | 740991 | 7314817 | 75 | 51 | Rio Tinto |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2591 | RC_NQ | Ravene | 741403 | 7314544 | 99 | 51 | Rio Tinto |
| 2592 | RC_NQ | Ravene | 741187 | 7315886 | 68 | 42 | Rio Tinto |
| 2593 | RC_NQ | Ravene | 741557 | 7315639 | 100 | 57 | Rio Tinto |
| 2594 | RC_NQ | Ravene | 741976 | 7315353 | 77 | 48 | Rio Tinto |
| 2595 | RC_NQ | Ravene | 742404 | 7315099 | 92 | 45 | Rio Tinto |
| 2596 | RC_NQ | Ravene | 742649 | 7314922 | 26 | 39 | Rio Tinto |
| 2597 | RC_NQ | Ravene | 743161 | 7315824 | 11 | 30 | Rio Tinto |
| 2598 | RC_NQ | Ravene | 743911 | 7316470 | 9 | 24 | Rio Tinto |
| 2599 | RC_NQ | Ravene | 744891 | 7320619 | 6 | 21 | Rio Tinto |
| 2600 | RC_NQ | Ravene | 744761 | 7319508 | 70 | 39 | Rio Tinto |
| 2700 | RC_NQ | Ravene | 744332 | 7319783 | 40 | 54 | Rio Tinto |
| 2701 | RC_NQ | Ravene | 743909 | 7320069 | 70 | 54 | Rio Tinto |
| 2702 | RC_NQ | Ravene | 743795 | 7318974 | 84 | 56 | Rio Tinto |
| 2706 | RC_NQ | Ravene | 744207 | 7318677 | 98 | 63 | Rio Tinto |
| 2707 | RC_NQ | Ravene | 744608 | 7318427 | 65 | 51 | Rio Tinto |
| 2708 | RC_NQ | Ravene | 744503 | 7317271 | 27 | 45 | Rio Tinto |
| 2709 | RC_NQ | Ravene | 744034 | 7317583 | 29 | 42 | Rio Tinto |
| 2710 | RC_NQ | Ravene | 743706 | 7317862 | 54 | 33 | Rio Tinto |
| 2711 | RC_NQ | Ravene | 743246 | 7318118 | 86 | 54 | Rio Tinto |
| 2712 | RC_NQ | Ravene | 742947 | 7319504 | 67 | 30 | Rio Tinto |
| 2714 | RC_NQ | Ravene | 743388 | 7319259 | 75 | 27 | Rio Tinto |
| 2715 | RC_NQ | Ravene | 743496 | 7320360 | 67 | 30 | Rio Tinto |
| 2716 | RC_NQ | Ravene | 743109 | 7317058 | 55 | 30 | Rio Tinto |
| 2718 | RC_NQ | Ravene | 743423 | 7316733 | 73 | 30 | Rio Tinto |
| 2719 | RC_NQ | Ravene | 743236 | 7316845 | 58 | 42 | Rio Tinto |
| 2720 | RC_NQ | Ravene | 741675 | 7316757 | 79 | 36 | Rio Tinto |
| 2721 | RC_NQ | Ravene | 742104 | 7316477 | 47 | 30 | Rio Tinto |
| 2722 | RC_NQ | Ravene | 742516 | 7316184 | 50 | 33 | Rio Tinto |
| 2723 | RC_NQ | Ravene | 742969 | 7315879 | 70 | 69 | Rio Tinto |
| 2724 | RC_NQ | Ravene | 742766 | 7316039 | 36 | 42 | Rio Tinto |
| 2725 | RC_NQ | Ravene | 740134 | 7315379 | 60 | 30 | Rio Tinto |
| 2727 | RC_NQ | Ravene | 740585 | 7315071 | 73 | 60 | Rio Tinto |
| 2728 | RC_NQ | Ravene | 739605 | 7314551 | 69 | 45 | Rio Tinto |
| 2729 | RC_NQ | Ravene | 738209 | 7314286 | 77 | 48 | Rio Tinto |
| 2738 | RC_NQ | Ravene | 740065 | 7314315 | 110 | 51 | Rio Tinto |
| 2739 | RC_NQ | Ravene | 738607 | 7313985 | 82 | 45 | Rio Tinto |
| 2740 | RC_NQ | Ravene | 739169 | 7314841 | 86 | 60 | Rio Tinto |
| 2741 | RC_NQ | Ravene | 738789 | 7315099 | 79 | 45 | Rio Tinto |
| 2742 | RC_NQ | Ravene | 743687 | 7321448 | 92 | 45 | Rio Tinto |
| 2743 | RC_NQ | Ravene | 744071 | 7321159 | 49 | 30 | Rio Tinto |
| 2744 | RC_NQ | Ravene | 744509 | 7320898 | 46 | 30 | Rio Tinto |
| 2745 | RC_NQ | Ravene | 744233 | 7322287 | 50 | 45 | Rio Tinto |
| 2746 | RC_NQ | Ravene | 744660 | 7322007 | 30 | 24 | Rio Tinto |
| 2747 | RC_NQ | Ravene | 744369 | 7323398 | 27 | 27 | Rio Tinto |
| 2748 | RC_NQ | Ravene | 744773 | 7323131 | 29 | 30 | Rio Tinto |
| 2749 | RC_NQ | Ravene | 745064 | 7325330 | 41 | 27 | Rio Tinto |
| 2750 | RC_NQ | Ravene | 745494 | 7325059 | 50 | 33 | Rio Tinto |
| 2751 | RC_NQ | Ravene | 745907 | 7324777 | 55 | 42 | Rio Tinto |
| 2752 | RC_NQ | Ravene | 746357 | 7324598 | 67 | 42 | Rio Tinto |
| 2753 | RC_NQ | Ravene | 746847 | 7324342 | 70 | 39 | Rio Tinto |
| 2754 | RC_NQ | Ravene | 745615 | 7326172 | 77 | 48 | Rio Tinto |
| 2755 | RC_NQ | Ravene | 745984 | 7325899 | 38 | 30 | Rio Tinto |
| 2756 | RC_NQ | Ravene | 746479 | 7325595 | 50 | 33 | Rio Tinto |
| 2757 | RC_NQ | Ravene | 746874 | 7325307 | 70 | 51 | Rio Tinto |
| 2758 | RC_NQ | Ravene | 747426 | 7326163 | 68 | 39 | Rio Tinto |
| 2759 | RC_NQ | Ravene | 747861 | 7325870 | 84 | 42 | Rio Tinto |
| 2760 | RC_NQ | Ravene | 747314 | 7325076 | 60 | 36 | Rio Tinto |
| 2761 | RC_NQ | Ravene | 747005 | 7326396 | 80 | 54 | Rio Tinto |
| 2762 | RC_NQ | Ravene | 746622 | 7326721 | 92 | 54 | Rio Tinto |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2763 | RC_NQ | Ravene | 746181 | 7326985 | 46 | 33 | Rio Tinto |
| 2764 | RC_NQ | Ravene | 744547 | 7324504 | 43 | 33 | Rio Tinto |
| 2773 | RC_NQ | Ravene | 744670 | 7325613 | 58 | 51 | Rio Tinto |
| 2774 | RC_NQ | Ravene | 745197 | 7326438 | 76 | 51 | Rio Tinto |
| 2775 | RC_NQ | Ravene | 748422 | 7326689 | 40 | 30 | Rio Tinto |
| 2777 | RC_NQ | Ravene | 747994 | 7326978 | 38 | 42 | Rio Tinto |
| 2778 | RC_NQ | Ravene | 747586 | 7327275 | 51 | 42 | Rio Tinto |
| 2779 | RC_NQ | Ravene | 747141 | 7327598 | 64 | 39 | Rio Tinto |
| 2780 | RC_NQ | Ravene | 746762 | 7327829 | 80 | 69 | Rio Tinto |
| 2781 | RC_NQ | Ravene | 746326 | 7328121 | 67 | 48 | Rio Tinto |
| 2782 | RC_NQ | Ravene | 746481 | 7329215 | 55 | 36 | Rio Tinto |
| 2784 | RC_NQ | Ravene | 746901 | 7328928 | 46 | 33 | Rio Tinto |
| 2785 | RC_NQ | Ravene | 747301 | 7328661 | 74 | 51 | Rio Tinto |
| 2786 | RC_NQ | Ravene | 747709 | 7328371 | 65 | 48 | Rio Tinto |
| 2787 | RC_NQ | Ravene | 748130 | 7328106 | 61 | 45 | Rio Tinto |
| 2788 | RC_NQ | Ravene | 749111 | 7328643 | 43 | 45 | Rio Tinto |
| 2790 | RC_NQ | Ravene | 748711 | 7328902 | 36 | 33 | Rio Tinto |
| 2791 | RC_NQ | Ravene | 748282 | 7329192 | 45 | 33 | Rio Tinto |
| 2792 | RC_NQ | Ravene | 747871 | 7329469 | 53 | 54 | Rio Tinto |
| 2793 | RC_NQ | Ravene | 747484 | 7329750 | 74 | 66 | Rio Tinto |
| 2794 | RC_NQ | Ravene | 747037 | 7330022 | 76 | 66 | Rio Tinto |
| 2795 | RC_NQ | Ravene | 746625 | 7330331 | 58 | 33 | Rio Tinto |
| 2796 | RC_NQ | Ravene | 747181 | 7331162 | 47 | 33 | Rio Tinto |
| 2797 | RC_NQ | Ravene | 747601 | 7330867 | 43 | 30 | Rio Tinto |
| 2798 | RC_NQ | Ravene | 748015 | 7330591 | 87 | 69 | Rio Tinto |
| 2799 | RC_NQ | Ravene | 748439 | 7330323 | 71 | 66 | Rio Tinto |
| 2800 | RC_NQ | Ravene | 748891 | 7330063 | 69 | 57 | Rio Tinto |
| 2801 | RC_NQ | Ravene | 749228 | 7329760 | 59 | 36 | Rio Tinto |
| 2802 | RC_NQ | Ravene | 749387 | 7330868 | 49 | 33 | Rio Tinto |
| 2803 | RC_NQ | Ravene | 748997 | 7331147 | 57 | 48 | Rio Tinto |
| 2804 | RC_NQ | Ravene | 748555 | 7331367 | 81 | 45 | Rio Tinto |
| 2805 | RC_NQ | Ravene | 748158 | 7331704 | 97 | 69 | Rio Tinto |
| 2806 | RC_NQ | Ravene | 747737 | 7331973 | 101 | 54 | Rio Tinto |
| 2807 | RC_NQ | Ravene | 747297 | 7332263 | 70 | 54 | Rio Tinto |
| 2808 | RC_NQ | Ravene | 747471 | 7333391 | 39 | 30 | Rio Tinto |
| 2809 | RC_NQ | Ravene | 747885 | 7333089 | 53 | 30 | Rio Tinto |
| 2810 | RC_NQ | Ravene | 748328 | 7332826 | 91 | 51 | Rio Tinto |
| 2811 | RC_NQ | Ravene | 748714 | 7332522 | 72 | 51 | Rio Tinto |
| 2812 | RC_NQ | Ravene | 749137 | 7332255 | 70 | 39 | Rio Tinto |
| 2813 | RC_NQ | Ravene | 749499 | 7331980 | 55 | 48 | Rio Tinto |
| 2814 | RC_NQ | Ravene | 750027 | 7332828 | 57 | 51 | Rio Tinto |
| 2815 | RC_NQ | Ravene | 749693 | 7333077 | 57 | 39 | Rio Tinto |
| 2816 | RC_NQ | Ravene | 749266 | 7333352 | 54 | 45 | Rio Tinto |
| 2817 | RC_NQ | Ravene | 748834 | 7333642 | 28 | 27 | Rio Tinto |
| 2818 | RC_NQ | Ravene | 748414 | 7333897 | 73 | 42 | Rio Tinto |
| 2819 | RC_NQ | Ravene | 748030 | 7334192 | 62 | 33 | Rio Tinto |
| 2820 | RC_NQ | Ravene | 737109 | 7314359 | 76 | 33 | Rio Tinto |
| 3296 | RC_NQ | Ravene | 737568 | 7314325 | 104 | 48 | Rio Tinto |
| 3297 | RC_NQ | Ravene | 736634 | 7315294 | 105 | 36 | Rio Tinto |
| 3307 | RC_NQ | Ravene | 737085 | 7315309 | 112 | 30 | Rio Tinto |
| 3308 | RC_NQ | Ravene | 737593 | 7315300 | 125 | 30 | Rio Tinto |
| 3309 | RC_NQ | Ravene | 737593 | 7315300 | 129 | 33 | Rio Tinto |

**Appendix 2. Average total heavy minerals from drill holes with a greater than 3% THM supported cut off.**

| HoleID | Prospect1 | From | To | Ave THM % | Company |
|---|---|---|---|---|---|
| 4896 | Ravene | 0 | 21 | 4.3 | Savannah Resources |
| 4898 | Ravene | 0 | 9 | 3.1 | Savannah Resources |
| 4899 | Ravene | 0 | 36 | 3.4 | Savannah Resources |
| 4902 | Ravene | 0 | 18 | 3.6 | Savannah Resources |
| 4906 | Ravene | 0 | 36 | 3.4 | Savannah Resources |
| 4908 | Ravene | 0 | 36 | 3.2 | Savannah Resources |
| 4909 | Ravene | 0 | 6 | 3.6 | Savannah Resources |
| 4910 | Ravene | 0 | 18 | 3.4 | Savannah Resources |
| 4912 | Ravene | 0 | 33 | 3.4 | Savannah Resources |
| 4914 | Ravene | 0 | 9 | 3.0 | Savannah Resources |
| 4915 | Ravene | 0 | 6 | 4.0 | Savannah Resources |
| 4920 | Ravene | 0 | 15 | 3.4 | Savannah Resources |
| 4921 | Ravene | 0 | 27 | 3.6 | Savannah Resources |
| 4925 | Ravene | 0 | 27 | 4.5 | Savannah Resources |
| 4926 | Ravene | 0 | 33 | 4.1 | Savannah Resources |
| 4927 | Ravene | 0 | 24 | 3.1 | Savannah Resources |
| 4929 | Ravene | 0 | 15 | 4.3 | Savannah Resources |
| 4930 | Ravene | 0 | 18 | 4.1 | Savannah Resources |
| 4932 | Ravene | 0 | 39 | 6.2 | Savannah Resources |
| 4939 | Ravene | 0 | 33 | 4.9 | Savannah Resources |
| 4940 | Ravene | 0 | 18 | 5.7 | Savannah Resources |
| 4944 | Ravene | 0 | 36 | 5.0 | Savannah Resources |
| 4945 | Ravene | 0 | 21 | 7.0 | Savannah Resources |
| 4946 | Ravene | 0 | 27 | 7.1 | Savannah Resources |
| 4949 | Ravene | 0 | 6 | 4.3 | Savannah Resources |
| 4951 | Ravene | 0 | 15 | 3.7 | Savannah Resources |
| 4952 | Ravene | 0 | 15 | 7.7 | Savannah Resources |
| 4954 | Ravene | 0 | 42 | 5.9 | Savannah Resources |
| 4957 | Ravene | 0 | 24 | 5.7 | Savannah Resources |
| 4958 | Ravene | 0 | 6 | 3.2 | Savannah Resources |
| 4959 | Ravene | 0 | 21 | 3.8 | Savannah Resources |
| 4965 | Ravene | 0 | 15 | 3.0 | Savannah Resources |
| 4967 | Ravene | 0 | 12 | 4.6 | Savannah Resources |
| 4969 | Ravene | 0 | 9 | 3.2 | Savannah Resources |
| 4973 | Ravene | 0 | 18 | 3.9 | Savannah Resources |
| 4974 | Ravene | 0 | 18 | 3.8 | Savannah Resources |
| 4979 | Ravene | 0 | 36 | 6.4 | Savannah Resources |
| 4982 | Ravene | 0 | 24 | 3.9 | Savannah Resources |
| 4987 | Ravene | 0 | 9 | 4.6 | Savannah Resources |
| 4998 | Ravene | 0 | 39 | 6.1 | Savannah Resources |
| 5000 | Ravene | 0 | 27 | 6.7 | Savannah Resources |
| 5002 | Ravene | 0 | 6 | 3.1 | Savannah Resources |
| 5003 | Ravene | 0 | 36 | 5.4 | Savannah Resources |
| 5004 | Ravene | 0 | 9 | 4.6 | Savannah Resources |
| 5007 | Ravene | 0 | 18 | 4.0 | Savannah Resources |
| 5009 | Ravene | 0 | 24 | 4.6 | Savannah Resources |
| 2583 | Ravene | 0 | 42 | 3.9 | Rio Tinto |
| 2591 | Ravene | 0 | 33 | 6.0 | Rio Tinto |
| 2592 | Ravene | 0 | 9 | 3.4 | Rio Tinto |
| 2593 | Ravene | 0 | 48 | 7.5 | Rio Tinto |
| 2594 | Ravene | 0 | 27 | 3.5 | Rio Tinto |
| 2598 | Ravene | 0 | 18 | 3.7 | Rio Tinto |
| 2700 | Ravene | 0 | 51 | 3.5 | Rio Tinto |
| 2701 | Ravene | 0 | 39 | 3.8 | Rio Tinto |
| 2702 | Ravene | 0 | 45 | 5.6 | Rio Tinto |
| 2706 | Ravene | 0 | 51 | 5.5 | Rio Tinto |
| 2710 | Ravene | 0 | 9 | 3.6 | Rio Tinto |
| 2711 | Ravene | 0 | 27 | 5.5 | Rio Tinto |
| 2720 | Ravene | 0 | 9 | 5.6 | Rio Tinto |

| | | | | | |
|---|---|---|---|---|---|
| 2724 | Ravene | 0 | 12 | 6.1 | Rio Tinto |
| 2738 | Ravene | 0 | 21 | 4.5 | Rio Tinto |
| 2750 | Ravene | 0 | 6 | 6.7 | Rio Tinto |
| 2751 | Ravene | 0 | 12 | 4.9 | Rio Tinto |
| 2752 | Ravene | 0 | 30 | 4.3 | Rio Tinto |
| 2753 | Ravene | 0 | 21 | 4.8 | Rio Tinto |
| 2754 | Ravene | 0 | 36 | 4.4 | Rio Tinto |
| 2756 | Ravene | 0 | 15 | 3.0 | Rio Tinto |
| 2757 | Ravene | 0 | 39 | 5.5 | Rio Tinto |
| 2758 | Ravene | 0 | 24 | 5.5 | Rio Tinto |
| 2759 | Ravene | 0 | 6 | 3.4 | Rio Tinto |
| 2761 | Ravene | 0 | 33 | 3.7 | Rio Tinto |
| 2762 | Ravene | 0 | 30 | 8.3 | Rio Tinto |
| 2780 | Ravene | 0 | 63 | 5.4 | Rio Tinto |
| 2781 | Ravene | 0 | 21 | 5.4 | Rio Tinto |
| 2785 | Ravene | 0 | 33 | 4.6 | Rio Tinto |
| 2786 | Ravene | 0 | 6 | 3.0 | Rio Tinto |
| 2788 | Ravene | 0 | 33 | 3.0 | Rio Tinto |
| 2792 | Ravene | 0 | 6 | 3.2 | Rio Tinto |
| 2794 | Ravene | 0 | 12 | 4.4 | Rio Tinto |
| 2795 | Ravene | 0 | 15 | 5.0 | Rio Tinto |
| 2797 | Ravene | 0 | 9 | 3.0 | Rio Tinto |
| 2798 | Ravene | 0 | 54 | 4.6 | Rio Tinto |
| 2799 | Ravene | 0 | 42 | 3.6 | Rio Tinto |
| 2800 | Ravene | 0 | 51 | 4.8 | Rio Tinto |
| 2801 | Ravene | 0 | 12 | 4.4 | Rio Tinto |
| 2803 | Ravene | 0 | 9 | 4.4 | Rio Tinto |
| 2805 | Ravene | 0 | 63 | 4.9 | Rio Tinto |
| 2806 | Ravene | 0 | 33 | 4.0 | Rio Tinto |
| 2807 | Ravene | 0 | 33 | 6.5 | Rio Tinto |
| 2810 | Ravene | 0 | 39 | 3.0 | Rio Tinto |
| 2811 | Ravene | 0 | 24 | 5.9 | Rio Tinto |
| 2812 | Ravene | 0 | 24 | 7.4 | Rio Tinto |
| 2813 | Ravene | 0 | 27 | 4.5 | Rio Tinto |
| 2814 | Ravene | 0 | 12 | 4.5 | Rio Tinto |
| 2815 | Ravene | 0 | 21 | 3.4 | Rio Tinto |
| 2818 | Ravene | 0 | 27 | 4.1 | Rio Tinto |
| 2820 | Ravene | 0 | 12 | 3.6 | Rio Tinto |
| 3307 | Ravene | 0 | 18 | 3.1 | Rio Tinto |
| 3308 | Ravene | 0 | 18 | 3.6 | Rio Tinto |

**Appendix 3. Average total heavy minerals from drill holes with a greater than 5% THM supported cut off**

| HoleID | Prospect | From | To | Average THM % | Company |
|---|---|---|---|---|---|
| 4925 | Ravene | 0 | 6 | 6.7 | Savannah Resources |
| 4932 | Ravene | 0 | 36 | 6.5 | Savannah Resources |
| 4939 | Ravene | 0 | 30 | 5.1 | Savannah Resources |
| 4940 | Ravene | 0 | 15 | 6.1 | Savannah Resources |
| 4944 | Ravene | 0 | 21 | 6.3 | Savannah Resources |
| 4945 | Ravene | 0 | 15 | 8.1 | Savannah Resources |
| 4946 | Ravene | 0 | 27 | 7.1 | Savannah Resources |
| 4952 | Ravene | 0 | 12 | 8.7 | Savannah Resources |
| 4954 | Ravene | 0 | 33 | 6.3 | Savannah Resources |
| 4957 | Ravene | 0 | 21 | 5.9 | Savannah Resources |
| 4967 | Ravene | 0 | 6 | 5.1 | Savannah Resources |
| 4979 | Ravene | 0 | 33 | 6.7 | Savannah Resources |
| 4998 | Ravene | 0 | 39 | 6.1 | Savannah Resources |
| 5000 | Ravene | 0 | 12 | 10.5 | Savannah Resources |
| 5003 | Ravene | 0 | 24 | 6.2 | Savannah Resources |
| 5004 | Ravene | 0 | 3 | 5.3 | Savannah Resources |
| 2591 | Ravene | 0 | 30 | 6.3 | Rio Tinto |
| 2593 | Ravene | 0 | 45 | 7.7 | Rio Tinto |
| 2702 | Ravene | 0 | 42 | 5.8 | Rio Tinto |
| 2706 | Ravene | 0 | 48 | 5.6 | Rio Tinto |
| 2711 | Ravene | 0 | 27 | 5.5 | Rio Tinto |
| 2720 | Ravene | 0 | 9 | 5.6 | Rio Tinto |
| 2724 | Ravene | 0 | 9 | 7.0 | Rio Tinto |
| 2738 | Ravene | 0 | 6 | 5.1 | Rio Tinto |
| 2750 | Ravene | 0 | 6 | 6.7 | Rio Tinto |
| 2753 | Ravene | 0 | 12 | 6.0 | Rio Tinto |
| 2757 | Ravene | 0 | 27 | 6.4 | Rio Tinto |
| 2758 | Ravene | 0 | 21 | 5.6 | Rio Tinto |
| 2761 | Ravene | 0 | 6 | 6.3 | Rio Tinto |
| 2762 | Ravene | 0 | 12 | 15.4 | Rio Tinto |
| 2780 | Ravene | 0 | 63 | 5.4 | Rio Tinto |
| 2781 | Ravene | 0 | 12 | 5.7 | Rio Tinto |
| 2785 | Ravene | 0 | 15 | 5.4 | Rio Tinto |
| 2794 | Ravene | 0 | 6 | 5.0 | Rio Tinto |
| 2795 | Ravene | 0 | 15 | 5.0 | Rio Tinto |
| 2798 | Ravene | 0 | 21 | 6.5 | Rio Tinto |
| 2800 | Ravene | 0 | 30 | 5.9 | Rio Tinto |
| 2805 | Ravene | 0 | 51 | 5.2 | Rio Tinto |
| 2807 | Ravene | 0 | 18 | 9.1 | Rio Tinto |
| 2811 | Ravene | 0 | 18 | 6.6 | Rio Tinto |
| 2812 | Ravene | 0 | 21 | 7.9 | Rio Tinto |
| 2814 | Ravene | 0 | 3 | 5.1 | Rio Tinto |