

30 May 2023

UG2 Mineral Resource increases by 39% to 11.65Moz (4E), including 2.56Moz (4E) upgraded to Indicated status.

Highlights:

- An interim UG2 Mineral Resource update at the Bengwenyama Platinum Group Metals (PGM)
 Project has resulted in a 39% increase in the total UG2 Mineral Resource on a 3PGE+Au (4E) basis,
 increasing from 8.38Moz to 11.65 Moz.
- A maiden Resource of 14.13Moz expressed on a 6PGE+Au (7E) basis has been established.
- 2.56Moz of the UG2 Reef has now been converted to an Indicated Mineral Resource at a 3PGE+Au (4E) grade of 7.65 g/t, in line with previous grade expectations, and a 6PGE+Au (7E) grade of 9.24 g/t.
- UG2 3D geological model has been updated which suggests that the eastern area of the Project is less structurally complex than originally thought.
- Drilling is continuing with a sixth drill rig likely on site in July to increase the monthly drill meters.
- The sixth drill rig will be employed to investigate a second entry point for a faster production ramp up which is expected to be incorporated in an Updated Scoping Study.
- Submission of a Mining Right Application is on track for Q3 CY2023, five months ahead of the original schedule.

Southern Palladium (ASX:SPD and JSE:SDL), 'Southern Palladium' or 'the Company') is pleased to announce its first interim UG2 Mineral Resource update at the Bengwenyama Platinum Group Metal (PGM) project, located on the Eastern Limb of the world class Bushveld Complex, South Africa since it listed on 8th June 2022.

Managing Director Johan Odendaal, said:

"The first interim UG2 Mineral Resource update at the Bengwenyama project has shown an impressive 39% increase from the resource presented in the SPD prospectus last year. It is also pleasing to note that 2.56 million ounces of the UG2 Reef has now been converted to Indicated status at a grade in line with expectations. The rate of conversion of Inferred to Indicated is high. We have also been very pleased with the Far East Block discovery which has contributed a significant upgrade to the resource base. This takes us a step closer to reaching our first milestone target of a 2-million-ounce reserve."

"The immediate aim is to convert more of the resource from Inferred to Indicated on the shallow eastern portion, known as the Payback Area Block, so we can reach an acceptable confidence level in our Prefeasibility Cashflow Model.

The updated structural model provides a valuable insight into locating where the most feasible underground access areas are on the Eastern portion of the orebody. With our knowledge of this area of the orebody now well-established, one drilling rig will move to the western portion of the Eerstegeluk farm in the coming months to gain a better understanding of the uplifted Horst Block area."

Updated UG2 Mineral Resource

The Phase 1 drilling programme, based on a 350m drilling grid, was approached in two stages — Phase 1a and Phase 1b. Phase 1a was designed with wider drill spacing that covered a larger area, to obtain a better understanding of the structures and grade distribution in the shallow eastern portion of Eerstegeluk. This has now been completed. Within the Phase 1a drilling grid there are areas of closer spaced drilling where assay results have confirmed the maiden Indicated Mineral Resource upgrade. Phase 1b, comprising the remainder of the 63 planned drillholes, has commenced and will focus on closer spaced infill drilling of phase 1a, to convert additional Inferred Mineral Resource to Indicated Mineral Resource.

The recent drilling programme has allowed for the validation of the historical drill hole database. A statistical analysis has been completed on the historical and new databases and has established a 96.4% correlation between the two datasets.

The datasets were combined for the Mineral Resource Estimate (MRE) which used Ordinary Kriging in the estimation process. This estimation is detailed in the Mineral Resource Estimation section, below.

Table 1 below shows the consolidated UG2 Mineral Resource as at 30 May 2023. Geological losses have been applied and the resource is declared at a pay limit of 1.9 g/t using a 4E basket price of US\$2,654/oz. Importantly, no Mineral Resource falls below the pay limit. No mining cut has been applied at this stage as the geotechnical work still needs to be completed. However, it is envisaged that the resource mining cut will be around 1 metre based on the observation that chromitite stringers are commonly absent in the drilled area and by comparison with other mines in the area.

The hanging wall contact is distinct. The LPP or the Leuconorite parting plane forms a sharp hanging wall contact with no chromitite stringers in the hanging wall.

The full mining width will be determined as part of future mining studies and will incorporate dilution by low or nil grade hanging wall and footwall dilution, as is seen in most operations in the Bushveld Complex.

Table 1: UG2 Mineral Resource as at 30 May 2023

Resource	Tonnes	Reef width	Pt	Pd	Rh	Au	lr	Os	Ru	4E	7E	Cu	Ni	Cr ₂ O ₃	(4E)	(7E)
Classification	(Mt)	(cm)					(g/t)						(%)		М	oz
Indicated	10.76	71	3.48	3.34	0.75	0.12	0.25	0.16	1.19	7.65	9.24	0.03	0.16	30.53	2.56	3.09
Inferred	39.09	69	3.47	3.17	0.74	0.10	0.25	0.16	1.21	7.49	9.10	0.03	0.16	28.22	9.09	11.04

Note: All elements have been estimated individually and their combined grade will vary slightly from the estimated composite 4E and 7E modelled grades

Table 2 provides a summary of the UG2 Exploration Target as at 30 May 2023. The UG2 Exploration Target is based on the estimated kriged value of the drillhole database with a 20% range applied.

The potential quantity and grade are conceptual in nature and 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.

Table 2: UG2 Exploration Target as at 30 May 2023

Category	Reef	Minimum tonnes (Mt)	Maximum tonnes (Mt)	Minimum grade (3PGE+Au g/t)	Maximum grade (3PGE+Au g/t)
Exploration Target	UG2	37	56	6.2	9.2

Table 3 is a reconciliation between the 01 July 2021 Mineral Resource in the Prospectus and the 30 May 2023 Mineral Resource for the UG2 Reef. The Indicated and Inferred mineral resources have been

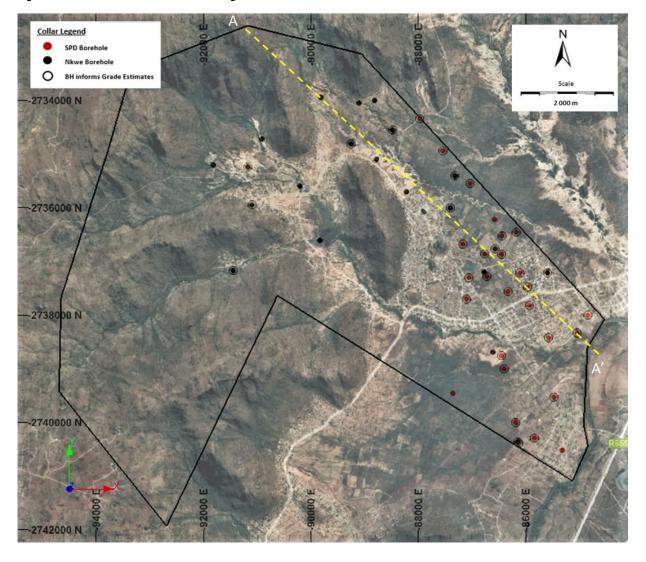
consolidated for the purposes of the reconciliation. The interim UG2 resource update has resulted in a 39% increase in contained ounces for the UG2 Mineral Resource.

Table 3: UG2 Mineral Resource Reconciliation with the 01 July 2021 UG2 Mineral Resource Estimate

Total Bassaures	Doof	Tonnes	3PG	iE+Au	Reef width
Total Resource	Reef	(Mt)	g/t	Moz	(cm)
2021		33.87	7.70	8.38	71
2023	1163	49.85	7.52	11.65	69
Variance	UG2	15.98	-0.18	3.27	-2
% Variance		47%	-2%	39%	-2%

Figure 1 shows the location of the drillholes used in the geological modelling (48 drill holes) and Mineral Resource estimation (34 drillholes).

Figure 1: Drillholes used in the Modelling.

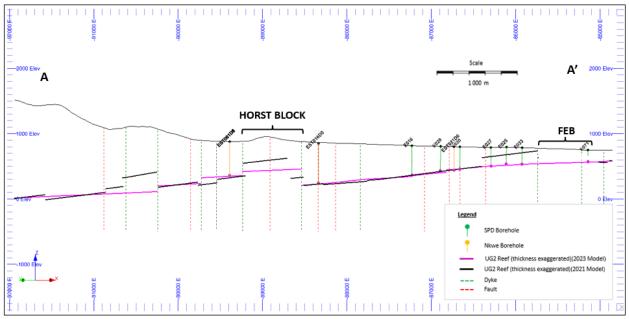


Updated 3D Structural Model

The Bengwenyama structural model has been updated with the combined historical drillhole data and the new SPD drillhole data. The biggest change in the geological model is that the average dip of the UG2 Reef was revised down to approximately 6 degrees, from the previous measure of 12 degrees.

Figure 2 is a NW – SE section line through Eerstegeluk, the location of which is shown in Figure 1. The section illustrates the previous (black line) and updated (purple line) structural model, showing the inclusion of the newly discovered Far East Block (FEB). Also highlighted is the Horst Block, which will be the target of drilling in forthcoming months.

Figure 2: NW-SE Cross Section of the UG2 Reef Horizon



The recent drilling has also shown that the throws on the major north/south faults and dykes in the north-eastern portion of Eerstegeluk are not as large as initially modelled. There has been a large gain in UG2 Reef towards the eastern boundary of Eerstegeluk which, in previous press releases, has been termed the Far East Block (FEB) (refer ASX Announcement 3 February 2023).

In the previous structural model, it was assumed that the UG2 was not present in the FEB. This area has been a significant contributor (approximately 1.3Moz – see figure 7) to the current resource upgrade.

There has also been a reduction in the Exploration Target in the "Dome" area. Recent drilling around the Dome has indicated that this is an uplifted area where the UG2 Reef is unlikely to be present. (See Figures 3 and 6). The gap in the dome area shows the area of the UG2 that has been excluded from the Exploration Target. It had not been a part of the earlier Inferred Resource.

Figure 3: Updated UG2 3D Geological Model

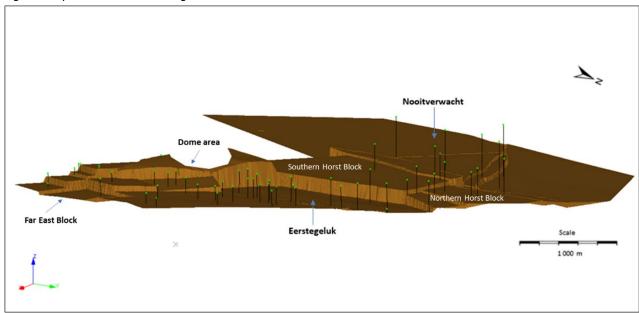
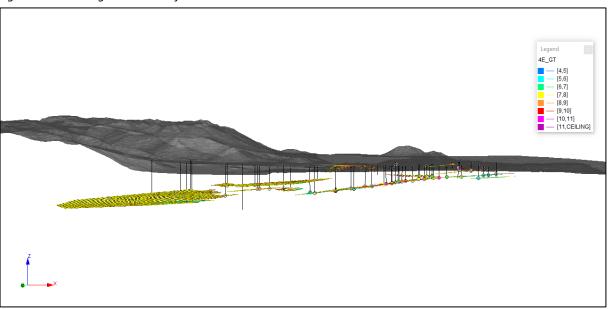


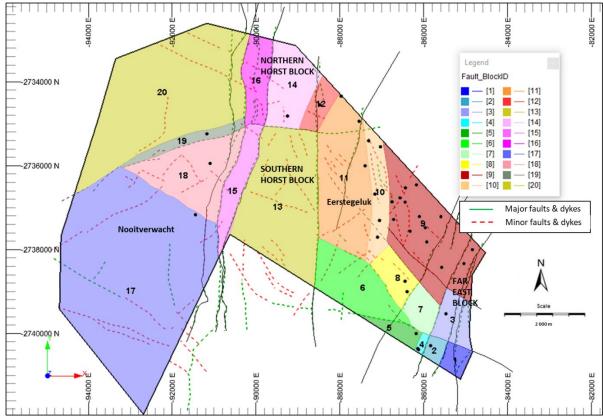
Figure 4 shows a 3D oblique section of the UG2 Reef horizon looking north, showing the gentler modelled dip toward the south-west.

Figure 4: 3D Geological Section of the UG2



The geological model has allowed for the delineation of larger structural blocks for mine design purposes. These structural blocks have been outlined in Figure 5.

Figure 5: Structural Blocks of the UG2 Reef



UG2 Mineral Resource Estimation

The UG2 geological and estimation models have been updated to include drilling and assaying data as at end of March 2023. The estimation model utilised 10 historical Nkwe drillholes and 24 SPD drillholes.

Previously the Mineral Resource was based on an Inverse Distance estimation but with the increase in the number of drillhole data points an Ordinary Kriged estimate was now possible. Figure 6 shows the 3PGE+Au g/t resultant model with the drillhole positions used in the estimation. The statistical analysis showed that no capping was required for the estimation. The kriging neighbourhood analysis (KNA) recommended a block size of 350m with a minimum and maximum number of samples of 5 and 15 respectively for the first search volume. Three search volumes with decreasing samples were used for the estimation.

All elements (Pt, Pd, Rh, Au, Ir, Os, Ru, Cu, Ni, Cr and Fe) were estimated individually as well as a combined 4E (Pt, Pd, Rh & Au) and 7E (Pt, Pd, Rh, Ir, Os, Ru & Au). The average 4E prill splits for Pt:Pd:Rh:Au of 46.2% : 42.6% : 9.9% : 1.4% were determined using these estimates. The Cr:Fe ratio of the UG2 chromitite horizon, from modelled Cr and Fe analysis, is 1.19. A density of 3.93 t/m³ was used in the tonnage estimate which was determined from the reef intersections using the Archimedes methodology.

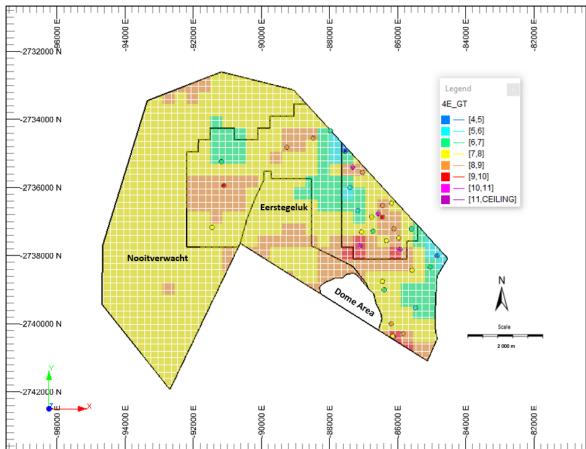


Figure 6: Modelled 3PGE+Au g/t Plot of the UG2 Reef

Mineral Resource Categories

The Mineral Resource categories (Figure 7) were determined based on the QAQC, slope of regression (SOR), kriging efficiency (KE) and continuity of the UG2 Reef horizon. The Indicated Mineral Resource was based on a SOR of greater than 0.6 and KE of greater than 0.3 with high confidence in UG2 continuity. The inferred Mineral Resource was based on a SOR of greater than 0.3 and extrapolated reef continuity from known reef intersections. The Exploration Target Range is extrapolated from the boundary of the inferred Mineral Resource to the project perimeter. The insert in Figure 7 illustrates the 2021 Mineral Resource

classification of inferred Mineral Resource (dark blue) and Exploration Target for comparison. This shows the excellent conversion ratio from Inferred to Indicated.

Much of the resource addition has come from the newly discovered Far East Block (Figure 7 where the UG2 was previously not recognised. This area is currently at Inferred status and will be upgraded to Indicated in the next few months.

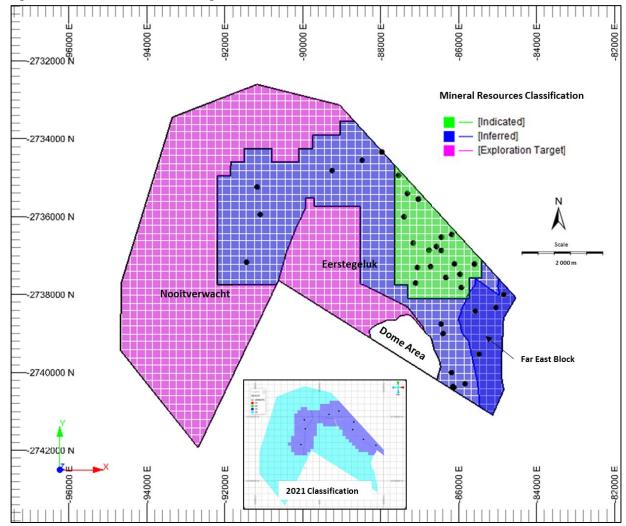


Figure 7: UG2 Mineral Resource Categories

The potential quantity and grade of the Exploration Target is conceptual in nature and 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.

Geological Losses

Geological losses have been applied to the resource to account for the effects of faults, dykes and potholes on the UG2 Reef. These are geological features common throughout the reefs of the Bushveld Intrusive Complex. This was estimated by considering the successful drillhole intersections, major identified faults and dykes from the geophysics and assumed additional minor fault losses. The project area was divided into larger blocks representing various degrees of geological losses. The geological losses range from 16% to 40% for the Exploration Target area. The "dome" area has been excluded completely at this stage. These blocks can be seen in Figure 8.

-94000 86000 Legend 2734000 N Geoloss_Final [ABSENT] [16] [25] [36] [40] [100] 36 2736000 N 16 Eerstegeluk 40 40 2738000 N 25 Nooitverwacht 100 2740000 N -86000 92000

Figure 8: UG2 Reef Geological Losses (%)

Near term drilling

The Phase 1a drill program focused on obtaining reef intersections across the shallow eastern portion of the UG2 Reef on the farm Eerstegeluk to better understand the overall grade distribution and to develop a more accurate geological model. This has been achieved and the focus now shifts to converting the inferred UG2 Mineral Resource in a block defined as the 'Payback Area' to an Indicated Mineral Resource (Figure 9). The Payback Area has been assessed as the approximate resource quantum for the UG2 Reef which can achieve capital payback of the project.

In addition, deflections are being drilled at selected locations for the scoping and pre-feasibility studies, geotechnical studies and for metallurgical samples, flotation efficiency test work (MF2 testing) and bond ball mill work index determinations. This work is in progress, and the metallurgical sample collection has been completed which will be submitted to the laboratory in June. The geotechnical studies will be used for mine design purposes and also to better understand the potential mining cuts for Mineral Resource.

As part of the near-term drilling programme (4 to 6 months) the deeper western portion of Eerstegeluk needs to be drilled to understand the structures and reef in the Horst Block which currently lies within the Exploration Target (see location in Figure 5) with no drilling data in the southern horst block (Figure 9). The Horst Block could be incorporated as a second entry point (for faster production ramp up) into the early stages of the mine plan and hence the structural understanding is important for the early mine designs for a concept study and pre-feasibility study (PFS).

A sixth drilling rig is being refurbished by the drilling company and is scheduled to be on site in July.

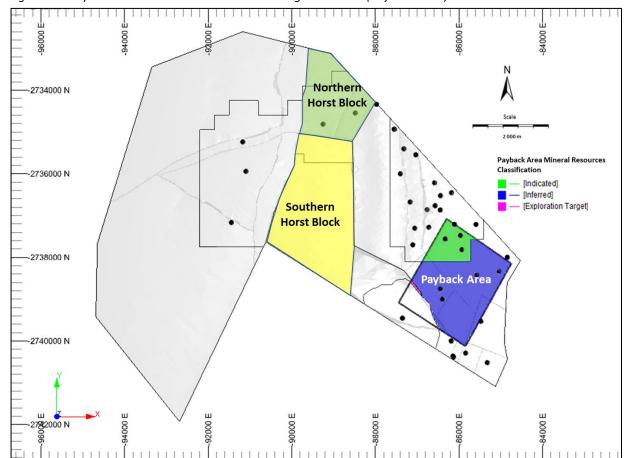


Figure 9: Completed Drillholes with Immediate Drilling Focus Area (Payback Area)

Exploration and pre-development schedule

Submission of a Mining Right Application (MRA) is on track for 3Q CY2023, 5 months ahead of the initial planned date. The MRA requires a work programme, environmental scoping study and social and labour plan, all of which are currently in preparation. In parallel, the Company will work on an Updated Scoping Study using the results of this resource upgrade and a potential second entry point, followed by a PFS.

The updated structural model for the Bengwenyama project provides a valuable insight into locating the most feasible underground access areas on the Eastern portion of the orebody and the immediate aim is to convert more Inferred to Indicated resource on the shallow eastern portion, known as the Payback Area Block (Figure 9). Drilling for the next 4 months will be directed towards this area. Management is confident that the payback area could, in addition to the current Indicated resource, provide enough resource ounces to reach the milestone of 2Moz 4E once converted to Reserve.

As well, one drill rig will move to an area in the south-western portion of the Eerstegeluk farm to get a better understanding of the uplifted Horst Block. This drilling is crucial to finalise the mine design and plan for the Eerstegeluk area for the Updated Scoping Study.

A second interim resource update is targeted for Q4 CY2023, followed by the release of an updated scoping study in Q1 CY2024.

This announcement has been approved for release by the Board of Southern Palladium Limited.

About Southern Palladium:

Southern Palladium Limited (ASX:SPD, JSE:SDL) is a dual-listed platinum group metal (PGM) company developing the advanced Bengwenyama PGM project, particularly rich in palladium/rhodium, in South Africa. The project is located on the Eastern Limb of the Bushveld Complex, which contains more than 70% of the world's known Platinum Group Metal (PGM) Resources.

With its 70% stake in the project, the Company's focus will be on the delivery of a Pre-Feasibility study and Mining Right application through a geophysical survey that has recently been completed, a two-phase diamond drill programme which has commenced in August 2022 as well as various technical studies to be completed.

The Company is led by an experienced on-ground management team including some of South Africa's most high-profile mining industry executives.

Competent Person Statement

The information in this report that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Uwe Engelmann (BSc (Zoo. & Bot.), BSc Hons (Geol.), Pr.Sci.Nat. No. 400058/08, FGSSA). Mr Engelmann is a director of Minxcon (Pty) Ltd and a member of the South African Council for Natural Scientific Professions. Minxcon provides geological consulting services to Southern Palladium Limited. Mr. Engelmann has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr. Engelmann consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. Mr Engelmann has a beneficial interest in Southern Palladium through a shareholding in Nicolas Daniel Resources Proprietary Limited.

For further information, please contact:

Johan Odendaal Managing Director Southern Palladium Phone: +27 82 557 6088

Email: johan.odendaal@southernpalladium.com

Media & investor relations inquiries: Sam Jacobs, Six Degrees Investor Relations: +61 423 755 909



Follow @SouthernPalladium on Twitter.



Follow Southern Palladium on LinkedIn.

Appendix 1. JORC Checklist – Table 1 Assessment and Reporting Criteria

		MPLING TECHNIQUES AND DATA					
Criteria	Explanation	Detail					
	Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling.	20 cm samples are taken within the reef horizon unless there is a lithological reason to deviate from this. A single sample is also taken in the hanging wall and footwall to test for mineralisation in the direct waste rock. The samples are split with a core saw and one half is submitted to the laboratory and the other half keep in the core tray.					
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. Aspects of the determination of	The core is orientated in such a way that the two halves are equal.					
Sampling techniques	mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.	The sampling methodology is standard and as per industry practice in the Bushveld Complex (BC). The samples are 20 cm in length and are split into two equal halves with one half being submitted for analysis. The core size starts as HQ (10 m to 50 m) but is NQ by the time the reef is intersected.					
Drilling techniques	Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, facesampling bit or other type, whether core is oriented and if so, by what method, etc.).	The drillholes start with HQ (for approximately 10-50 m) in the weathered zone but are then drilled NQ once in the fresher material. The drill rigs being utilised have been the CS 1500, Delta 520 and a smaller Longyear 44. The drill contractor is Geomech Africa.					
	Method of recording and assessing core and chip sample recoveries and results assessed.	Initially the core was scanned in with the software ScanIT which scans the core with high resolution photos and the geologists reconcile the depths and core losses per 3 m run. The Core recoveries and RQD are then calculated for the drillhole. ScanIT has however been discontinued and the core is now photographed and the core recovery and RQD is calculated manually by the geological assistants.					
Drill sample recovery	Measures taken to maximise sample recovery and ensure representative nature of the samples.	The geologist informs the drilling supervisor at what depth the reef is expected so that they can take extra precautions around the anticipated reef depth. The core recoveries are measured per 3 m run and if there is excessive core loss in the reef horizon it is marked as a non-representative sample and will not be used in the resource estimation process.					
	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.	Samples have been submitted to the ALS laboratory in Johannesburg, but there is only limited data available at this stage, so this has not been checked yet. The core recoveries for the intersections however all have good core recoveries besides the faulted intersections.					
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.	The core was initially scanned into ScanIT software which produced high resolution images. This has however been discontinued. The logging is conducted on paper log sheets or tablets at the core with dropdown menus. Legends have been set up in excel that cover the necessary detailed required for Mineral Resource estimation. Alpha angles and structure detail is also observed and logged. The beta angle is not measured as the core is not orientated but the downhole televiewer survey supplies structural orientation information which is incorporated into the logs.					
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.	Core logging is qualitative and utilises excel spreadsheets on tablets.					
	The total length and percentage of the relevant intersections logged.	The total drillhole is geologically logged and photographed and the televiewer survey is conducted from 100 m above the reef horizon for additional structural information.					
Sub-sampling techniques and	If core, whether cut or sawn and whether quarter, half or all core taken. If non-core, whether riffled, tube	The core is cut in two equal halves for sampling and storage purposes.					
sample preparation	sampled, rotary split, etc. and whether sampled wet or dry.	This project only makes use of core drilling.					

	SECTION 1: SAM	MPLING TECHNIQUES AND DATA
Criteria	Explanation	Detail
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	The sample preparation code at ALS is PREP-31H which has the following procedure: - Login of samples into the system, weighing, fine crushing of entire sample to 70% - 2 mm, split off 500 g and pulverize split to better than 85% passing 75 microns. The QAQC sequence is as follows: -
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	If the batch is less than 20 samples the batch starts and ends with a blank and a CRM and duplicate are inserted into the sample stream. If the batch is great than 20 samples then the batch starts and ends with a blank and every tenth sample is either a CRM, duplicate or blank. This equates to between 20% and 10% QAQC samples.
	Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.	The sampling of the reef is reef material only except for the first and last sample of the reef as it will have 2 cm of hanging wall or footwall material to ensure the entire mineralisation is captured. This 2 cm dilution will be calculated into the reef width. The hanging wall and footwall are sampled separately to the reef. Hence the reef samples are representative of the <i>insitu</i> reef horizon. Requested duplicates are pulp duplicates and the CRMs are material from the UG2 and MR from African Mineral Standards (AMIS).
	Whether sample sizes are appropriate to the grain size of the material being sampled.	The reef horizon is sampled in 20 cm increments so that the grade distribution can be observed if a mining cut is required. The UG2 reef is approximately 70 cm wide and will have three to four samples which will be composited later. The MR is wider at around 200 cm and will have about ten individual samples to determine the grade distribution. These will also be composited later for Mineral Resource Estimation purposes. Hanging wall and footwall samples are also taken to check if there is any mineralisation in the direct surrounding waste rock.
	The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.	This is industry best practice for the BC. The UG2 reef will be assayed for 4E and 7E as well as for Cu, Ni, Co, Cr and Fe. The MR will be assayed for the same except the Cr and Fe as it is not a chromitite seam but a pyroxenite layer.
Quality of assay data and laboratory tests		The ALS methods are as follows: - PGM-ICP23 - Pt, Pd, Au package using lead fire assay with ICP-AES finish. 30 g nominal sample weight. Rh-ICP28 - Fire assay fusion using lead flux with Pd collector for Rh determination by ICPAES. 10 g nominal sample weight. PGM-MS25NS - The Platinum Group Metals are separated from the gangue material using the Nickel Sulphide Fire Assay procedure. After dissolution of the pulp with aqua regia, PGMs are determined by ICP-MS. ME-XRF26s - Analysis of Chromite ore samples by fused disc / XRF. This method is suitable for the determination of major and minor elements in ore samples which require a high dilution digest such as Chromite ores. Elements that will be analysed are Cr, Cu, Ni, Fe and Co. The overall pass rate of the various QAQC samples is 90%.
		All methodologies are total.
	For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.	All analytical work is undertaken by ALS Chemex South Africa (Pty) Ltd, located in Johannesburg, which is part of the ALS group. The South African laboratory is ISO 17025 accredited by SANAS (South African National Accreditation System).
	Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.	QAQC procedure has been described above.
	The verification of significant intersections by either independent or alternative company personnel.	
	Discuss any adjustment to assay data. Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	No adjustments have been made to the assayed results. The assay results are received from the laboratory in pdf format and excel format. The excel form is imported into the Minxcon excel database. These are checked by the senior geologist. The assay certificates are stored in the project folder.
	The use of twinned holes.	No twinning has been undertaken to date.
Location of data points	Accuracy and quality of surveys used to locate drillholes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.	Drillhole collar positions are recorded by handheld Garmin GPS. The drillholes will be surveyed in at a later stage.
	Specification of the grid system used.	The coordinate system used is LO31.

	SECTION 1: SAN	IPLING TECHNIQUES AND DATA
Criteria	Explanation	Detail
	Quality and adequacy of topographic control.	Regional three-dimensional (3D) topography was constructed from regional surface contours and Shuttle Radar Topography Mission (SRTM) data. The surface was trimmed 300–500 m beyond the Project perimeter.
	Data spacing for reporting of Exploration Results.	The final drillhole spacing will be approximately 350 m. The drilling completed to date or in progress has a wider spacing to get a better understanding of the larger structural domains of the project.
Data spacing and distribution	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.	Geological continuity is based on the knowledge of the surrounding area and 3D model constructed from historical data. The 24 of the 26 completed drillholes to date have intersected the UG2 which is confirming the position of the UG2 reef. Of the 12 drillholes expected to intersect the MR nine have intersected the reef and two have been faulted.
	Whether sample compositing has been applied.	The 20cm (or larger) samples are composited to obtain the weighted average of the entire intersection.
Orientation of data in	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	The drillholes are vertical drillholes and intersect the reef close to right angles. The sample is therefore unbiased. If the reef is faulted it will be noted and if the reef intersection is not representative, it will not be used in Mineral Resource estimations.
Orientation of data in relation to geological structure	If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	No sampling bias will be introduced based on the drilling orientation as they are close to perpendicular.
Sample security	The measures taken to ensure sample security.	Samples are only handled by the drilling contractor and the Minxcon geological staff. There is a strict chain of custody that is followed from the time the core leaves the drill site to the time the sample is received by the laboratory.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	No audits have been undertaken on the drilling to date.

	SECTION 2: REPORT	TING OF EXPLORATION RESULTS
Criteria	Explanation	Detail
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.	A Preferent Prospecting Right LP002PPR was granted to the Bengwenyama Tribe's investment vehicle, Miracle Upon Miracle Investments (Pty) Ltd in 2015 over the farms Eerstegeluk 327 KT and Nooitverwacht 324 KT. This was renewed in early 2021 and is valid until February 2024. The Right covers all elements of potential economic interest.
	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 right is valid until February 2024.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Drilling was undertaken by Rustenburg Platinum Mines from 1966 to 1985. Trojan exploration completed drilling on Eerstegeluk between 1990 and 1993. Drilling prior to 1994 was not used as part of this Mineral Resource estimate (MRE) due to the incomplete nature or availability of the drillhole data. Nkwe completed drillholes in 2007–2008. This drilling supports the MRE. Reconnaissance mapping has been completed by previous operators.
Geology	Deposit type, geological setting and style of mineralisation.	The target UG2 and Merensky reefs occur within the Upper Critical Zone of the Rustenburg Layered Suite of the BC. These reefs are laterally continuous for tens to hundreds of kilometres. The UG2 comprises mineralised chromitite, whereas the Merensky Reef is defined as the mineralised pyroxenitic zone between upper and lower chromitite stringers. The BC is the world's largest igneous intrusion and

	SECTION 2: REPORT	ΓING	OF E	XPLC	RATIO	ON RE	SULT	S					
Criteria	Explanation							Deta					
												e. Both reefs a res and	are
					posits	-	ioi disi	uptive	, Su (Jolui	ai icatt	iles allu	
	A summary of all information	Ė	BH ID	Date Started	Date Completed	d Easting	Northing	rilling Elevation	From (m)	To (m)	Drilled Metres	Comment	
	material to the understanding of the	E019		23-Aug-22	05-Sep-22	-86451	-2736870	804	0.00	32.42	32.42	Abandoned, stuck drill rods	
	exploration results including a tabulation of the following	E019 E060		06-Sep-22 26-Aug-22	05-Oct-22 19-Oct-22	-86447 -85837	-2736870 -2740292	804 774	0.00	323.77 206.72	323.77 206.72	EOH, completed	
	information for all Material drillholes:	E060		23-Nov-22	28-Nov-22	-85837	-2740292	635	139.00	185.53	46.53	EOH, completed	
	* easting and northing of the drillhole	E062	2 D1	26-Aug-22 07-Sep-22	02-Sep-22 08-Sep-22	-86184 -86184	-2740002 -2740002	777 759	0.00	120.34 34.92	120.34 16.62	EOH, completed, extended to UG1 for stratigraphy Deflection completed, faulted	
	collar		2_D1 2_D2	07-Sep-22 09-Sep-22	10-Sep-22	-86184 -86184	-2740002 -2740002	764	13.30	34.92	19.70	UG2 Deflection completed, faulted UG2	
	* elevation or RL (Reduced Level – elevation above sea level in metres)	E058		12-Sep-22	05-Oct-22	-86127	-2740386	777	0.00	158.25	158.25	EOH, completed	
	of the drillhole collar	E033	3	07-Sep-22 07-Oct-22	15-Oct-22 24-Oct-22	-85930 -86764	-2737823 -2736873	786 806	0.00	261.58 383.75	261.58 383.75	EOH, completed EOH, completed	
	* dip and azimuth of the hole	E004 E004 E030	1 1 D1	14-Oct-22 19-Nov-22 26-Oct-22	15-Nov-22 24-Nov-22 05-Dec-22	-87547 -87547 -87118	-2734952 -2734952 -2737704	839 382 801	0.00 457.00 0.00	524.50 518.75 413.75	524.50 61.75 413.75	EOH, completed Deflection completed EOH, completed	
	* down hole length and interception	E025		18-Oct-22 13-Oct-22	09-Nov-22 02-Nov-22	-85963 -86264	-2737487 -2738274	796 776	0.00	267.58 282.45	267.58 282.45	EOH, completed EOH, completed	
	depth * hole length.	E049	-	21-Oct-22	19-Nov-22	-85949	-2739599	771	0.00	322.75	322.75	EOH, completed, extended to UG1 for stratigraphy	
	Hole length.	E031 E044		07-Nov-22 12-Nov-22	22-Nov-22 14-Dec-22	-87054 -86400	-2737306 -2739001	802 775	0.00	423.22 263.73	423.22 263.73	EOH, completed EOH, completed	
		E016 E007	7	28-Nov-22 28-Nov-22	14-Dec-22 10-Dec-22	-87174 -87014	-2736679 -2735562	815 826	0.00	325.68 422.80	454.68 422.80	EOH, completed EOH, completed	
		E064		29-Nov-22 07-Dec-22	06-Dec-22 12-Dec-22	-84845 -85047	-2738001 -2738333	750 750	0.00	166.40 188.80	166.40 188.80	EOH, completed	
		E065	5	08-Dec-22	15-Dec-22	-85571	-2738426	764	0.00	239.75	239.75	EOH, completed	
		E001 E015	5	12-Jan-23 12-Jan-23	06-Feb-23 19-Jan-23	-87995 -86172	-2734357 -2736461	858 802	0.00	554.75 298.72	554.75 298.72	EOH, completed EOH, completed	
		E020 E041		11-Jan-23 13-Jan-23	21-Jan-23 06-Feb-23	-86725 -86452	-2737285 -2738758	798 770	0.00	350.75 258.77	350.75 258.77	EOH, completed EOH, completed	
Drillhole		E067	,	12-Jan-23	25-Jan-23	-85465	-2739534	762	0.00	306.45	306.45	EOH, completed	
Information		E013	3	23-Jan-23	01-Feb-23	-86435	-2736523	809	0.00	327.28	327.28	EOH, completed	
		E024 E069		23-Jan-23	29-Jan-23	-86104 -85313	-2737215 -2740516	800 763	0.00	284.75 284.65	284.75 284.65	EOH, completed Drilling in progress	
		E069		27-Jan-23 01-Feb-23	21-Feb-23	-85313 -86331	-2740516 -2737558	763 788	0.00	284.65	284.65	EOH, completed	
		E014 E052		07-Feb-23 21-Feb-23		-86588 -86337	-2736213 -2739349	811 775	0.00	106.10	106.10 3.55	Drilling in progress Drilling in progress	
		E001				-87998	-2734368	350	508.00	0.	0.00	Set-up	
					vere dr			rees.	Ree	f inte		n depths are i	in
		Th ind str 28	ne UG clude ructur 3 SPD	62 geo drillinç al / ge drillho	logical g and a ologica oles wh	and e assayi al mod nile the	estimati ng data del utilis e estim	a as a sed 20 nation	t end	d of Natorical	larch 2 al Nkw	n updated to 2023. The e drillholes an 0 historical	ıd
	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.	N/A			o and	2101	PD drilll						
	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material	no t a pa The	top cu aylimi e expl	utting o t of 1.9 oratior	of the g g/t.	rade. t rang	The M	ineral	Res	ourc	e has t	is recommend been declared mated value v	at
Data aggregation methods	and should be stated. Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.	The	e indiv	vidual 2	20cm s	ample						e per reef ation process.	
	The assumptions used for any reporting of metal equivalent values should be clearly stated.											elements have u grades (7E)	
Relationship between mineralisation widths and intercept lengths	If the geometry of the mineralisation with respect to the drillhole angle is known, its nature should be reported. If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').	are	drille	d at - 9	0 degr	ees a	nd the	reef d	ip is	expe	cted to	is. The drillhol o be uld be minima	
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 drillhole collar locations and appropriate sectional views.	prel (pre	limina	ry stra	ıtigrapl	nic col	lumn h	as be	en c	ompl	eted fo	release. A r the project in the press	

	TING OF EXPLORATION RESULTS									
Criteria	Explanation	Detail Reef intersection depths for all the drillholes have been reported in								
	Where comprehensive reporting of all Exploration Results is not		f interso table be			ns for all the o	irillh	oles	have be	een reported in
	practicable, representative reporting	Drilling BH I		_	Merensky I Intersection	Reef Comment	F ()	T- ()	UG. Intersection	2 Reef Comment
	of both low and high grades and/or		20.25	To (m)	Width (m) 2.20	Highly weathered & friable,	From (m)	To (m)	Width (m)	Hole stopped short
	widths should be practiced to avoid	E019 E019a	19.55	22.35	2.80	inconclusive Highly weathered & friable, inconclusive	315.85	316.61	0.76	Complete intersection
	misleading reporting of Exploration	E060	-	-	-	No MR expected - East of MR sub outcrop	-	-	-	Faulted?
	Results.	E060_D1	-	-		No MR expected - East of MR sub outcrop No MR expected - East of MR	178.78 31.27	179.29 32.30	0.51	Complete intersection Complete intersection, moderately
		E062_D1		-	-	sub outcrop No MR expected - East of MR	31.45	32.30	0.82	weathered Moderately weathered & faulted.
		E062_D2	-	-	-	No MR expected - East of MR sub outcrop	31.16	31.56	0.40	Incomplete intersection. Core loss. Moderately weathered & faulted. Incomplete intersection. Core loss.
		E058	-	-	-	No MR expected - East of MR sub outcrop No MR expected - East of MR	140.88	141.29	0.41	Complete intersection
		E033 E028	66.70	68.66	1.96	sub outcrop Complete intersection	253.62 373.26	254.25 373.79	0.63 0.53	Complete intersection Complete intersection
		E004 E004 D1	210.77	212.90	2.13	Complete intersection Deflection below MR Complete intersection	517.33 515.83 409.55	517.57 516.52 410.07	0.24 0.69 0.52	Poorty developed UG2 Poorty developed UG2 Complete intersection
		E025	-	-	-	No MR expected - East of MR sub outcrop	260.42	261.32	0.90	Complete intersection
Balanced		E037 E049	-			No MR expected - East of MR sub outcrop No MR expected - East of MR		-	-	Not present / Pothole Faulted
reporting		E031	122.40	124.29	1.89	sub outcrop Complete intersection No MR expected - East of MR	416.57	417.19	0.62	Complete intersection
		E044 E016	-	-	-	sub outcrop Faulted	258.75 449.24	259.42 450.01	0.67	Complete intersection Complete intersection
		E007 E064	100.38	102.54	2.16	Complete intersection No MR expected - East of MR sub outcrop	417.42 156.19	418.12 157.05	0.70	Complete intersection Complete intersection
		E071	-	-	-	No MR expected - East of MR sub outcrop	180.04	180.73	0.69	Complete intersection
		E065 E001	259.78	261.44	1.66	No MR expected - East of MR sub outcrop Complete intersection	231.81 548.07	232.50 549.21	0.69	Complete intersection Complete intersection
		E015	-	-	-	No MR expected - East of MR sub outcrop	291.89	292.63	0.74	Complete intersection
		E020 E041	54.20	54.57	0.37	Faulted No MR expected - East of MR sub outcrop	342.90 250.95	343.56 251.60	0.66	Complete intersection Complete intersection
		E067	-		-	No MR expected - East of MR sub outcrop	299.70	300.20	0.50	Complete intersection
		E013	12.00	18.62	6.62	Highly weathered & friable, inconclusive (core loss & No stringers)	321.26	321.76	0.50	Complete intersection
		E024	-		-	No MR expected - East of MR sub outcrop	278.77	279.26	0.49	Complete intersection
		E069 E027	-	-	-	No MR expected - East of MR sub outcrop No MR expected - East of MR	284.47	285.04	0.57	UG2 expected ~ 240m Complete intersection
		E014	37.28	39.41	2.13	sub outcrop Complete intersection	204.47	200.04	-	UG2 expected ~ 327m
		E052 E001D1	-	-	-	No MR expected - East of MR sub outcrop Deflection below MR	-	-		UG2 expected ~ 126m UG2 expected ~ 548m
	Other exploration data, if meaningful	A high	n-defini	tion	helicop		al M	agne	tic Field	d (TMF) gradient
Other substantive exploration data	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 to Eerste flown reside	structu otal line egeluk at a he	kilo 327 ight eas	metres KT and betwee with an	flown was 1, Nooitverwaden 25 m and 8 average hei	425 ht 3:	lkm o 24 K due	over the T with t to the t proxima	e farms he survey being topography and tately 35 m to 40 m
Further work	The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale stepout drilling).	drilling bigge PFS p indica and g	g. This r picture paybacl ited res eotech	phase street are stree	se teste uctural a to co es. Def studies	ed the wider a understandir nvert the infe	rea g. P rred also	for the hase reso being	ne grade 1b will ource in g drilled	l for metallurgical

	SECTION 2: REPORT	TING OF EXPLORATION RESULTS
Criteria	Explanation	Detail
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	Above are the structural blocks modelled from the drillhole database. The entire area is either in Mineral Resource (indicated or inferred) or Exploration Target so there is limited upside potential within the project boundaries.

	SECTION 2: ESTIMA	ATION AND DEPORTING OF MINERAL DESCRIPCES
Criteria	Explanation	ATION AND REPORTING OF MINERAL RESOURCES Detail
Database	Measures taken to ensure that data has not been corrupted by, for example, transcription or keying errors, between its initial collection and its use for Mineral Resource estimation purposes.	Geological data in the form of drillhole collar surveys, downhole surveys and geological logs captured on paper records was compared to data captured and saved in soft copy Excel spreadsheets that form the geological repository which informs the modelling database. Any errors, omissions, and invalid transcriptions identified were returned to the exploration team for rectification before the data was processed any further for use in 3D-structural modelling and grade estimation processes.
integrity	Data validation procedures used.	Base geological data informing the estimate was validated using in-built functionality in Datamine StudioRM software. Validation routine involved checking spatial location of drillholes collars and intersections, validity of stratigraphic logging, checking for repetition of logged intersections, reasons for the absence of analytical data, negative thicknesses and an assessment of the correlation of all aspects of the new drilling data to the historic drilling data from the Nkwe drillhole database.
Site visits	Comment on any site visits undertaken by the Competent Person and the outcome of those visits. If no site visits have been	The Competent Person regularly visits the project site with the latest visit having been carried out over the period from 16 to 17 May 2023.
	undertaken indicate why this is the case.	Refer to above.
	Confidence in (or conversely, the uncertainty of) the geological interpretation of the mineral deposit.	The Bengwenyama project is bounded to the northern extremity by a mine that is in current operation and economically exploiting the same UG2 reef. Several SPD drillholes are sited in areas in which similar drilling was completed by Nkwe Platinum during the early 2000s. Geological interpretation as informed from the current SPD holes, correlates reasonably well with interpretation from the historic Nkwe drill data.
Coological	Nature of the data used and of any assumptions made.	The consolidated SPD database informing this estimate incorporates data from historic Nkwe drilling. This data was compiled by transcribing information from documents available in the public domain. Analytical data in the Nkwe drillholes is presented as 4E only. Individual PGEs were not reported. Results from QQ plots (R²=0.93) suggest that SPD data is highly comparable to the Nkwe data. Accordingly, the data has been consolidated into a single geological database.
Geological interpretation	The effect, if any, of alternative interpretations on Mineral Resource estimation.	Literature from the public domain suggests absence of UG2 reef in the Eerstegeluk Dome area. In contrast, recent SPD drilling (drillhole E057) located within the area, intersected the UG2 reef at a depth of approximately 30m below surface. This implies the SPD drilling in the area is presenting an opportunity to validate the theory or potentially offer an alternative interpretation of this structurally complex area of the project.
	The use of geology in guiding and controlling Mineral Resource estimation.	Contouring of the elevation of the UG2 reef top contact as interpreted from geological logging, knowledge of the regional structural geology, incorporation of mapped faults, dykes, sills, and the use of data from the TMF gradient and gamma-ray spectrometry survey completed by New Resolution Geophysics (Pty) Ltd (NRG) in January of 2022, highlighting the major structural features, guided delineation of 20 fault blocks and culminated in the generation of the associated UG2 3D wireframe model.

	SECTION 3: ESTIMA	TION AND REPORTING OF MINERAL RESOURCES
Criteria	Explanation	Detail
	The factors affecting continuity both of grade and geology.	The project area is bisected by faults and several dyke swarms with throws in excess of 200m. Current structural interpretation postulates the Eerstegeluk Dome area comprises a stack of several upthrow faults culminating in an overall upthrow of the UG2 reef to a location as shallow as 30m below surface. Other than potholing observed in the areas limited to the northern periphery, the PGE grades appear unaffected.
Dimensions	The extent and variability of the Mineral Resource expressed as length (along strike or otherwise), plan width, and depth below surface to the upper and lower limits of the Mineral Resource.	The Bengwenyama project covers an area of approximately 52.9km² with a strike of approximately 4km. Data from the Nkwe drillholes suggests a down-dip continuity of UG2 reef over approximately 11km at an average true dip of approximately 6-7°, north-west. Location of the UG2 reef is shallowest in the south-east corner of the project area at approximately 30m below surface and deepest in the north-west corner where it is located in excess of 1,000m below surface.
	The nature and appropriateness of the estimation technique(s) applied and key assumptions, including treatment of extreme grade values, domaining, interpolation parameters and maximum distance of extrapolation from data points. If a computer assisted estimation method was chosen include a description of computer software and parameters used.	The statistical analysis on the base geological data informing the estimate suggests that no capping or treatment of extreme values is necessary. Owing to the low density of drilling data available to date geological domains, possible facies and anisotropy has not been identified. Ordinary Kriging, an industry best choice for evaluation of PGEs, has been successfully applied for all grade interpolation with all 3D wireframe modelling and grade estimation processes completed in Datamine StudioRM Version 1.11.65.0 geological modelling software. Kriging neighbourhood analysis (KNA) recommended a parent block size of 350m (in X and Y directions) with a minimum and maximum number of samples of 5 and 15 respectively for the first search volume which is matched to the range of the 4E modelled variogram (approximately 2,000m). Three search volumes with decreasing samples were used for the estimation. All PGE elements, Pt, Pd, Rh, Au, Ir, Os and Ru as well as base metals Cu, Ni, Cr and Fe were individually estimated in addition to estimation of combined 4E (Pt, Pd, Rh & Au) and 7E (Pt, Pd, Rh, Ir, Os, Ru & Au) grades. Extrapolation has been carried out to half the average drillhole spacing and where appliable to make the project real structures.
Estimation and modelling techniques	The availability of check estimates, previous estimates and/or mine production records and whether the Mineral Resource estimate takes appropriate account of such data.	where applicable terminated on the major geological structures. The Bengwenyama Project is a green field project with no mining activity ever recorded. As such no depletion of Mineral Resources is applicable. The previous estimate for the Bengwenyama Project was declared on 01 July 2021 and presented 33.87Mt at 7.7g/t 4E and 8.38Moz in Inferred Resources. Taking into account the impact of the additional SPD drilling completed to date, the previous estimate correlates reasonably well with the current and updated estimate of 39.09Mt at 7.5g/t 4E and 9.09Moz of Inferred Resources.
	The assumptions made regarding recovery of by-products.	Metallurgical test work is currently underway to establish the viability of recovery of any by-products, in particular chrome. There is no record of previous similar test work completed in the Bengwenyama project area. However, the UG2 on the eastern limb of the BC is well known and understood and the average recoveries have been assumed for now.
	Estimation of deleterious elements or other non-grade variables of economic significance (e.g. sulphur for acid mine drainage characterisation).	Other than the base metals Cu, Ni and Fe, no deleterious elements have been identified. The base metals have all been estimated on elemental basis with the Cr:Fe ratio of the UG2 chromitite horizon, from modelled Cr and Fe analysis, observed to be around 1.19.
	In the case of block model interpolation, the block size in relation to the average sample spacing and the search employed.	Drillhole spacing is not on a defined grid owing to challenges drilling in populated space. The well drilled areas are typically informed by an average drillhole spacing of approximately 350m with poorly informed areas informed by drilling spacing in excess of 1,000m. Kriging peighbourhood analysis (OKNA) recommended a parent block size of
		Kriging neighbourhood analysis (QKNA) recommended a parent block size of 350m (in X and Y directions) with a minimum and maximum number of samples of 5 and 15 respectively for the first search volume which is matched to the

Outtout		ATION AND REPORTING OF MINERAL RESOURCES
Criteria	Explanation	Detail range of the 4E modelled variogram (approximately 2,000m). Three search
	Any assumptions behind modelling of selective mining units.	volumes with decreasing samples were used for grade estimation. A study to test the viability of several possible options and in some cases combinations of mining methods is currently underway. The current modelling does not incorporate guidance from knowledge of any possible proposed mining method or selective mining approach. The QQ plot results (R²=0.93) suggest SPD data is highly comparable to the
Estimation and modelling techniques (continued)	Any assumptions about correlation between variables.	Nkwe historic drill data.
		Q-Q Plot Nkwe vs Mincon Data 14.5 y=1.0547x+0.1203
		12.5 10.5 10.5 6.5 4.5 4.5 4.5 10.5
		Accordingly, the data was consolidated into a single database. The consolidation enabled expansion of the database to incorporate back-calculated individual Pt, Pd, Rh and Au grades from the single analytical 4E grade in the Nkwe drillholes basing on prill splits as established from the complete empirical SPD analytical dataset. The grades for Os, Ir and Ru were then determined from regression relationships enabling the estimation and eventual reporting to 7E grade and including base metals.
	Description of how the geological interpretation was used to control the resource estimates.	Major structural discontinuities were identified from interpretation of the TMF gradient and gamma-ray spectrometry survey, field mapping and contouring of elevation of the UG2 reef top contact. Knowledge of regional structural geology and regional geological losses guided delineation of 20 fault blocks and the generation of the resultant UG2 3D wireframe model. Application of results such as the modelled variogram ranges, spatial continuity of kriging efficiencies and the slope of regression results, the sample search volume used and the number of samples informing a grade estimate constrained grade extrapolations beyond known drill data.
	Discussion of basis for using or not using grade cutting or capping.	Statistical analysis on the raw data informing the estimate suggests that no capping or treatment of extreme values is necessary and does show reasonable support for geological domaining or any possible anisotropy.
	The process of validation, the checking process used, the comparison of model data to drillhole data, and use of reconciliation data if available.	Integrity of grade estimation was validated through swath plots in the X and Y directions, sample-to-model box-whisker plots on global means for all estimated grades and the visual analysis of grade plans for the 4E and 7E grades as well as plans showing the spatial distribution of the UG2 reef thickness, Slope of Regression, Kriging Efficiencies, Search Volume and the number of samples used to inform grades estimates.
Moisture	Whether the tonnages are estimated on a dry basis or with natural moisture, and	All tonnages are reported on a dry basis.

	SECTION 3: ESTIMA	ATION AND REPORTING OF MINERAL RESOURCES
Criteria	Explanation	Detail
	the method of determination of the moisture content.	
Cut-off parameters	The basis of the adopted cut-off grade(s) or quality parameters applied.	Zone specific geological losses have been applied and the UG2 Reef Mineral Resources declared at a paylimit of 1.9 g/t 4E using a basket price of USD 2,654/oz. No mining cut has been applied at this stage as the supporting geotechnical work is still in progress. Below are the parameters used for the basket price and pay limit calculation. Element Resource price (USD/oz) 4E prill split 7E prill split Recovery Payability
Mining factors or assumptions	Assumptions made regarding possible mining methods, minimum mining dimensions and internal (or, if applicable, external) mining dilution. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential mining methods, but the assumptions made regarding mining methods and parameters when estimating Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the mining assumptions made.	It is envisaged that the Mineral Resource mining cut will be approximately 1m due to the absence of stringers in footprint of the currently drilled area. The hanging wall contact is a distinct Leuconorite plane referred to as the Leuconorite Parting Plane (LPP) and forms a distinct sharp hanging wall contact with no chromitite stringers above it. Mining studies on the possible practical mining methods or a combination thereof are currently being concluded. The current geological modelling does not incorporate any assumptions or provide any form of guidance for a chosen specific mining method.
Metallurgical factors or assumptions	The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential metallurgical methods, but the assumptions regarding metallurgical treatment processes and parameters made when reporting Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the metallurgical assumptions made.	Samples for metallurgical test work are currently being collected from site to establish the most optimal recovery method or a combination thereof. The current geological modelling supporting this estimate does not incorporate any assumptions or provide guidance for a specific recovery method.
Environmental factors or assumptions	Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider the potential environmental impacts of the mining and processing operation. While at this stage the determination of potential environmental impacts, particularly for a greenfields	A series of specialised environmental studies are in the process of being commissioned to establish a balance between compliance of the eventual chosen mining method to environmental regulations against optimal and practical extraction that will achieve the least environmental impact. The current geological modelling supporting this estimate does not incorporate any assumptions or provide guidance to achieve the least environmental impact.

		ATION AND REPORTING OF MINERAL RESOURCES
Criteria	Explanation	Detail
	project, may not always be well advanced, the status of early consideration of these potential environmental impacts should be reported. Where these aspects have not been considered this should be reported with an explanation of the environmental assumptions	
	made.	
Bulk density	Whether assumed or determined. If assumed, the basis for the assumptions. If determined, the method used, whether wet or dry, the frequency of the measurements, the nature, size and representativeness of the samples.	A density of 3.93 t/m³ was used in the tonnage estimation. The density was determined empirically using the Archimedes method on UG2 reef intersection samples from a population from 45 diamond drill core samples from 14 SPD drillholes. The determination of density is an ongoing exercise conducted by the field exploration team to expand the database for use to support tonnage estimates.
	The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vugs, porosity, etc.), moisture and differences between rock and alteration zones within the deposit.	The density was determined empirically using the Archimedes method on UG2 reef intersection samples.
	Discuss assumptions for bulk density estimates used in the evaluation process of the different materials.	Not applicable
Classification	The basis for the classification of the Mineral Resources into varying confidence categories.	The Mineral Resource categories were determined based on the QAQC, slope of regression (SOR), kriging efficiency (KE) and knowledge of the continuity of the UG2 reef horizon. **Mineral Resources Casalfication** Mineral Resources Casalfication** Policiated P
	Whether appropriate account has been taken of all relevant factors (i.e. relative confidence in tonnage/grade estimations, reliability of input data, confidence in continuity of geology and metal values, quality, quantity and	Resources to the project perimeter fence. Geological losses have been applied to the resource to account for the effects of faults, dykes, and potholes. This was estimated by considering the successful drillhole intersections, identified major faults and dykes from the TMF geophysics and additional minor losses. The project area was divided into larger blocks representing various degrees of geological losses. The geological losses range from 16% to 40% for the Exploration Target area with the Eerstegeluk Dome area completely excluded at this stage of reporting.
	distribution of the data).	

SECTION 3: ESTIMATION AND REPORTING OF MINERAL RESOURCES				
Criteria	Explanation	Detail		
	Whether the result appropriately reflects the Competent Person's view of the deposit.	The CP is of the opinion that the Mineral Resource classification criteria and associated results are a true reflection of the Bengwenyama orebody and demonstrate the current levels of confidence as informed by drill data.		
Audits or reviews	The results of any audits or reviews of Mineral Resource estimates.	The Mineral Resources estimate, as well as processes associated with estimation work as contained in this press release has been reviewed by an independent third party, Mr. Garth Mitchell, of ExplorMine Consultants (Pty) Ltd. Mr. Mitchell confirms validity and reasonableness of estimate and confirms that due care and diligence was applied in the compilation.		
Discussion of relative accuracy/ confidence	Where appropriate a statement of the relative accuracy and confidence level in the Mineral Resource estimate using an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence limits, or, if such an appropriate, a qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate.	The QQ plot results (R²=0.93) suggest the SPD data is highly comparable to the Nkwe historic drill data and that the two datasets can be consolidated into a single database without any issues. The consolidation enabled back-calculation of individual Pt, Pd, Rh and Au grades from the single analytical 4E grade in the Nkwe drillholes basing on prill splits established from the complete empirical SPD analytical dataset as well at determining individual grades for Os, Ir and Ru from regression relationships. This has enabled reporting to 7E grade. The UG2 Exploration Target is based on the estimated kriged value of the drillhole database with a 20% range applied to it.		
	The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used.	The CP is of the opinion that geological modelling underlying the estimate contained in this press release is a true reflection of the Bengwenyama orebody and considers the grade and tonnage estimates robust.		
	These statements of relative accuracy and confidence of the estimate should be compared with production data, where available.	Not applicable		