

8 September 2022

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Greatland Gold plc
("Greatland" or "the Company")

Havieron Exploration and Development Update

Growth Drilling results continue to identify high grade mineralised extensions in the Eastern Breccia, South-East Crescent Zone and Northern Breccia

High grade mineralised intercepts identified between the South East Crescent and the Eastern Breccia increasing the potential for the two zones to link

Acceleration of the decline development resulting in August setting a new record for advance rates

Greatland Gold plc (AIM:GGP), a mining development and exploration company with a focus on precious and base metals, is pleased to provide an exploration and development update at the Havieron gold-copper project in the Paterson region of Western Australia.

Highlights

- **Six drill rigs currently on site, all focused on growth:**
 - **Eastern Breccia:** drilling further highlights the geological continuity of higher-grade mineralisation. Recent intercepts reinforce the potential for the Eastern Breccia corridor to host Crescent style high grade mineralisation
 - **South-East Crescent:** drilling continues to confirm and extend mineralisation at depth
 - **Northern Breccia:** New results demonstrate the potential for high grade extension outside the South-East Crescent Zone
 - **Regional exploration:** drilling is underway to test regional geophysical targets outside of the main Havieron system on the Havieron mining lease
- **Early Works improvements:** Construction activities are progressing including:
 - An exploration decline advance of 685 metres as at 31 August 2022
 - 196 metres advanced since the last report on 21 July 2022;
 - Both monthly and weekly development records were set during August reflecting the transition to full face drill and blast in advancing the exploration decline along with improved geotechnical conditions
- **Feasibility Study** The schedule for first ore continues to be reviewed and will be updated with the release of the Feasibility Study, which remains on track for completion during the December 2022 quarter¹.

Significant New Results (intercepts are reported as downhole width not true width)

Eastern Breccia

- **HAD098W2**
 - 27m @ 1.9 g/t Au & 0.19 % Cu from 1170m,
 - 39.3m @ 2.1 g/t Au & 0.12 % Cu from 1335.7m,
 - 20.7m @ 3.6 g/t Au & 0.43 % Cu from 1387.3m
- **HAD098W3**
 - 15.4m @ 12.0 g/t Au & 0.27 % Cu from 1379.6m
- **HAD152W2**
 - 120m @ 2.1 g/t Au & 0.17 % Cu from 1724m,
 - Including 20.3m @ 3.1 g/t Au & 0.68 % Cu from 1781.7m
- **HAD152W3**
 - 82m @ 2.7 g/t Au & 0.21 % Cu from 1695m
 - 64.5m @ 2.8 g/t Au & 1.1 % Cu from 1798m,
 - including 13.5m @ 9.8 g/t Au & 0.89 % Cu from 1843.5m
 - 76.2m @ 1.1 g/t Au & 0.08 % Cu from 2054m

South-East Crescent

- **HAD152W2**
 - 20m @ 7.6 g/t Au & 0.14 % Cu from 1453m,
 - including 16m @ 9.4 g/t Au & 0.17 % Cu from 1455m
- **HAD153W2**
 - 21.5m @ 3.0 g/t Au & 0.22 % Cu from 1663.5m
- **HAD104W3**
 - 62m @ 3.0 g/t Au & 0.12 % Cu from 1566m,
 - including 26.7m @ 6.4 g/t Au & 0.16 % Cu from 1593m
- **HAD086W5**
 - 41.9m @ 1.7 g/t Au & 0.11 % Cu from 1491.8m
 - including 16.1m @ 3.9 g/t Au & 0.12 % Cu from 1512m

Northern Breccia

- **HAD086W5**
 - 39.9m @ 4.6 g/t Au & 0.1 % Cu from 1401.1m
 - Including 20.6m @ 8.7 g/t Au & 0.13 % Cu from 1403m

Shaun Day, Managing Director of Greatland Gold plc, commented: *“The growth drilling program at Havieron continues to deliver outstanding results as high-grade extensions to the mineralisation are identified across the expanse of the ore body.*

“Eastern Breccia and South East Crescent growth drilling continues to expand and define the mineralised footprint and extensions of these zones. The high-grade mineralised intercepts identified between the South East Crescent and the Eastern Breccia increases the potential for a continuous high grade mineralised zone linking these two previously separate areas.

“With six drill rigs all focusing on growth this demonstrates the commitment to unlock the expansion potential within the Havieron system together with ongoing exploration of adjacent structures.

“The notable acceleration of the decline development is welcomed with improved ground conditions at depth resulting in record advance rates. The improved conditions have enabled completion of the transition to full drill and blast development, which positions the team well for further acceleration in development rates.”

In addition to this release, a PDF version of this report with supplementary information can be found at the Company's website: <https://greatlandgold.com/investors/regulatory-news/>

Enquiries:

Greatland Gold PLC

Shaun Day

+44 (0)20 3709 4900

info@greatlandgold.com

www.greatlandgold.com

SPARK Advisory Partners Limited (Nominated Adviser)

Andrew Emmott/James Keeshan

+44 (0)20 3368 3550

Berenberg (Joint Corporate Broker and Financial Adviser)

Matthew Armitt/Jennifer Lee/Jack Botros

+44 (0)20 3207 7800

Canaccord Genuity (Joint Corporate Broker and Financial Adviser)

James Asensio/Patrick Dolaghan

+44 (0)20 7523 8000

Hannam & Partners (Joint Corporate Broker and Financial Adviser)

Andrew Chubb/Matt Hasson/Jay Ashfield

+44 (0)20 7907 8500

SI Capital Limited (Joint Broker)

Nick Emerson/ Sam Lomanto

+44 (0)14 8341 3500

Gracechurch Group (Media and Investor Relations)

Harry Chathli/Alexis Gore

+44 (0)20 7618 9100

Further Information on Drilling and Operations at Havieron

The Havieron gold-copper deposit is centered on a deep magnetic anomaly located 45km east of Telfer in the Paterson Province where exploration drilling by Greatland during 2018 resulted in the discovery of gold and copper ore under 420 metres of post mineralisation cover. The Joint Venture commenced drilling during the June 2019 quarter and has completed 263,882 metres of drilling from 321 drill holes to date (excluding holes in progress, abandoned holes or drill holes not yet sampled).

A further 14,642 metres of drilling from 15 new holes have been completed since the last update ("Havieron Exploration and Development Update", RNS dated 21 July 2022). Assay results are reported from 4 new holes completed during this period and from 7 holes completed during the previous period (Figures 1 and 2). 7 holes returned significant assay intercepts in excess of 50 gram metres Au (Au ppm x length metres). A total of 11 holes have been completed with assay results pending.

Growth drilling is focused on potential extensions at the Southeast Crescent Zone, Northern Breccia and Eastern Breccia, while camp-scale exploration holes are underway to locate new discoveries outside the main Havieron mineralised system.

The JV continues with an extensive growth drilling programme which has the potential to expand the Havieron Mineral Resource². Refer to Appendix 2 for all reported results.

At the **South East Crescent**, growth drilling continued, defining high grade mineralisation below and adjacent to the Updated Mineral Resource, which remains open at depth. The HAD104W3 result is approximately 50m to the north of the existing SE Crescent domain (Figure 2 & Figure 5) and is interpreted to represent a high-grade link zone between the Eastern Breccia and SE Crescent.

Results were received from four drill holes

Results include:

- **HAD086W5**
 - 41.9m @ 1.7 g/t Au & 0.11 % Cu from 1491.8m,
 - including 16.1m @ 3.9 g/t Au & 0.12 % Cu from 1512m
- **HAD104W3**
 - 62m @ 3.0 g/t Au & 0.12 % Cu from 1566m,
 - including 26.7m @ 6.4 g/t Au & 0.16 % Cu from 1593m
- **HAD152W2**
 - 20m @ 7.6 g/t Au & 0.14 % Cu from 1453m,
 - including 16m @ 9.4 g/t Au & 0.17 % Cu from 1455m
- **HAD153W2**
 - 21.5m @ 3.0 g/t Au & 0.22 % Cu from 1663.5m
 -

Infill drilling has continued to define high-grade mineralisation within the core of the **Northern Breccia** confirming the potential of additional incremental high-grade material adjacent to the SE Crescent zone (Figure 2 & Figure 4).

Results include:

- **HAD086W5**
 - 39.9m @ 4.6 g/t Au & 0.1 % Cu from 1401.1m,
 - including 20.6m @ 8.7 g/t Au & 0.13 % Cu from 1403m

At the **Eastern Breccia**, assays for 7 holes targeting strike and depth extensions have been received, with assays for 4 holes awaiting. The Eastern Breccia is developed below the 4,100RL³ with a footprint of over 500m in strike, up to 200m in width, and over 250m in vertical extent.

The broad zone of high-grade mineralisation returned in HAD152W2 (82m @ 2.7 g/t Au & 0.21 % Cu & 64.5m @ 2.8 g/t Au & 1.1 % Cu) and HAD152W3 (120m @ 2.1 g/t Au & 0.17 %) represent one of the recently defined northwest trending internal higher-grade sulphide dominated domains in the Eastern Breccia. This mineralisation, along with much of the Eastern Breccia system, remain open at depth.

Results include:

- **HAD098W2**
 - 27m @ 1.9 g/t Au & 0.19 % Cu from 1170m,
 - 39.3m @ 2.1 g/t Au & 0.12 % Cu from 1335.7m,
 - 20.7m @ 3.6 g/t Au & 0.43 % Cu from 1387.3m
- **HAD098W3**
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 - including 13.5m @ 9.8 g/t Au & 0.89 % Cu from 1843.5m
 - 76.2m @ 1.1 g/t Au & 0.08 % Cu from 2054m

The JV is continuing an extensive growth drilling programme which has the potential to expand the Havieron mineral resource. Drilling continues to show potential for additions outside of the existing Inferred Mineral Resource limits, including:

- Extension of the South-East Crescent Zone at depth below the Updated Mineral Resource;
- Potential for additional material in the Eastern Breccia, including higher grade “Crescent” like material,
- Incremental expansion of multiple higher-grade zones including Northern Breccia and North-West Pod; and,
- Additionally, drilling is continuing to test geophysical targets outside of the main Havieron system.

Refer to Appendix 1 for additional information and Appendix 2 for all drillhole results reported during the period.

Development Update

Newcrest has advised advance rates for the exploration decline have increased with new weekly and monthly records being set after the transition to full face drill and blast. This technique along with improved geotechnical ground conditions has enabled the decline to advance to 689 metres as at 31 August 2022.

Works are also ongoing to progress the necessary approvals and permits required to commence construction of the infrastructure which will support, subject to a positive decision to mine, production at Havieron. Newcrest is reviewing the impact of inflationary pressures on future capital expenditure and operating costs as part of the Feasibility Study, with value engineering and other cost mitigation strategies underway.

Background to Havieron and Joint Venture Agreement with Newcrest

The Havieron Gold-Copper project is operated by Newcrest under a Joint Venture Agreement with Greatland. Newcrest has earned a joint venture interest of 70% (30% Greatland). Havieron is located approximately 45km east of Newcrest's Telfer gold mine and, subject to positive feasibility study and decision to mine, will leverage the existing infrastructure and processing plant to significantly reduce the project's capital expenditure and carbon impact for a low-risk and low-cost pathway to development.

The Joint Venture Agreement includes tolling principles reflecting the intention of the parties that, subject to a successful exploration programme and feasibility study and a positive decision to mine, the resulting joint venture mineralised material will be processed at Telfer, located 45km west of Havieron.

A regional map showing the Havieron licence area with regional targets and adjacent landholdings can be found at: www.greatlandgold.com/paterson

A version of this release with the full images and diagrams can be found on the Company's website: <https://greatlandgold.com/investors/regulatory-news/>

¹ Newcrest market update to Australian Stock Exchange on 12th October 2021

² Refers to Greatland's Updated Mineral Resource as announced on 3rd March 2022

³ Relative depth. All relative depth (RL) information is reported in Australian Height Datum (AHD) +5,000 metres

Figure 1. 3D Plan view schematic showing the spatial association of the current growth targets, SE Crescent, Northern Breccia, NW Pod and Eastern Breccia targets in relation to the existing mineralised extents. Also highlighted are all newly reported growth drilling result locations.

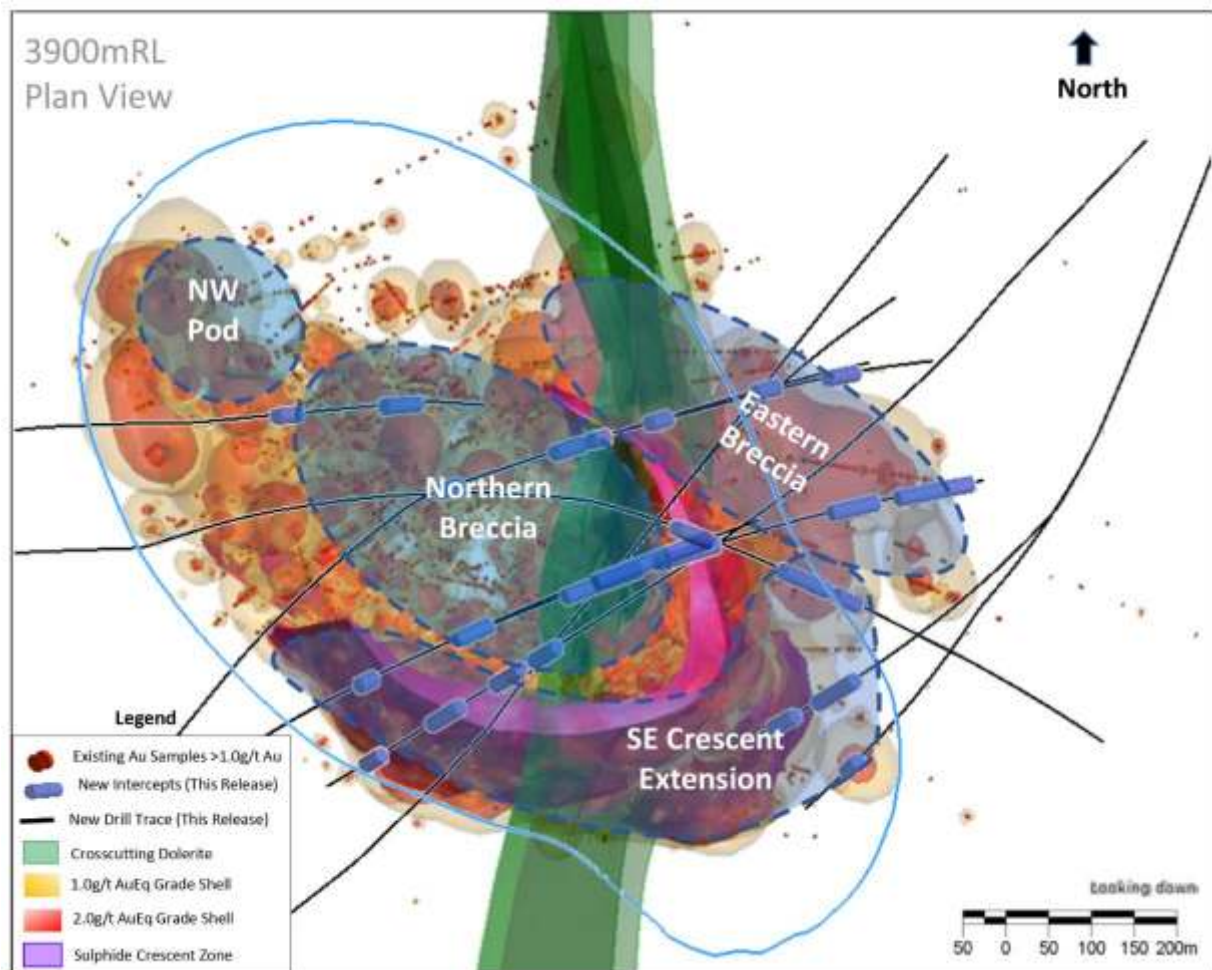


Figure 2. Schematic plan view map showing drill hole locations and significant intercepts reported in this release superimposed on the interpreted geology. Previously reported holes are not shown for the sake of clarity. Note some holes and results appear on multiple sections due to the sections' orientation and sections' overlap.

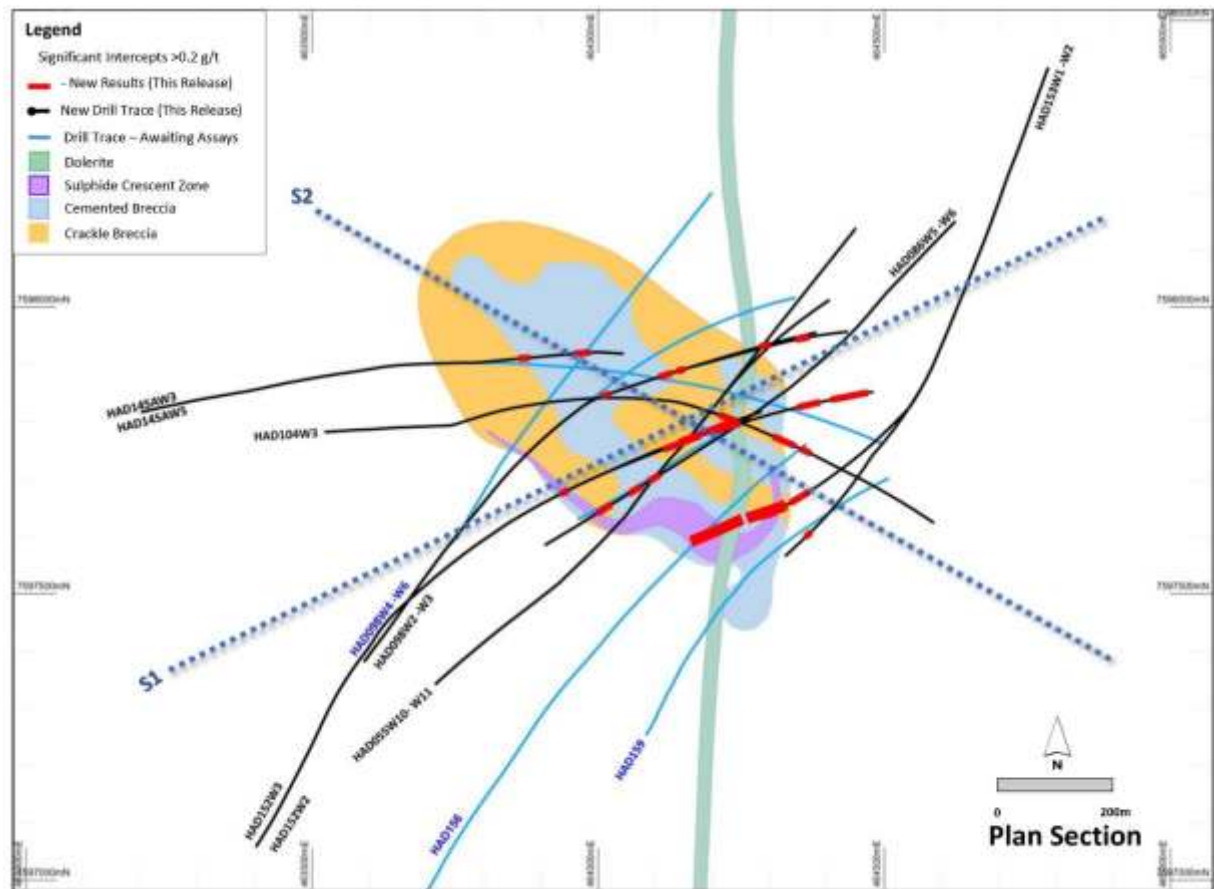


Figure 3. Plan view schematic of a horizontal slice at 3900mRL through Havieron Mineral System , showing the extents of the 0.5, 1.0 g/t & 2.0g/t Au Leapfrog™ grade shells with highlighted newly reported intercepts for this period. This diagram highlights new >50gram metres intersections. Refer to the inset diagram for relationship to all Havieron drilling.

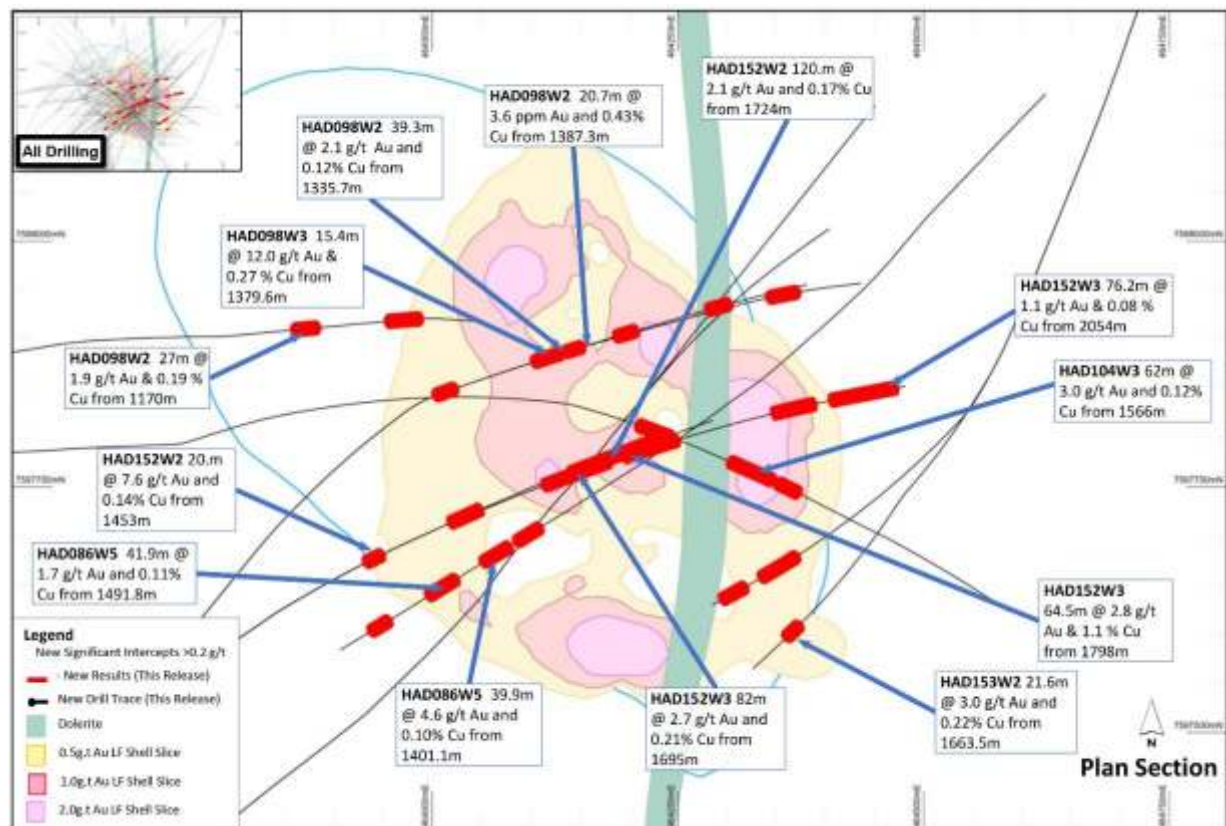


Figure 4. Schematic cross section of geology and significant new drillhole intercepts (looking northwest, Section Line S1, +/-100m section width, as shown in Figure 2). Due to section window size and orientation holes may appear on multiple sections. This diagram highlights >50gram metres intersections drilled during the period.

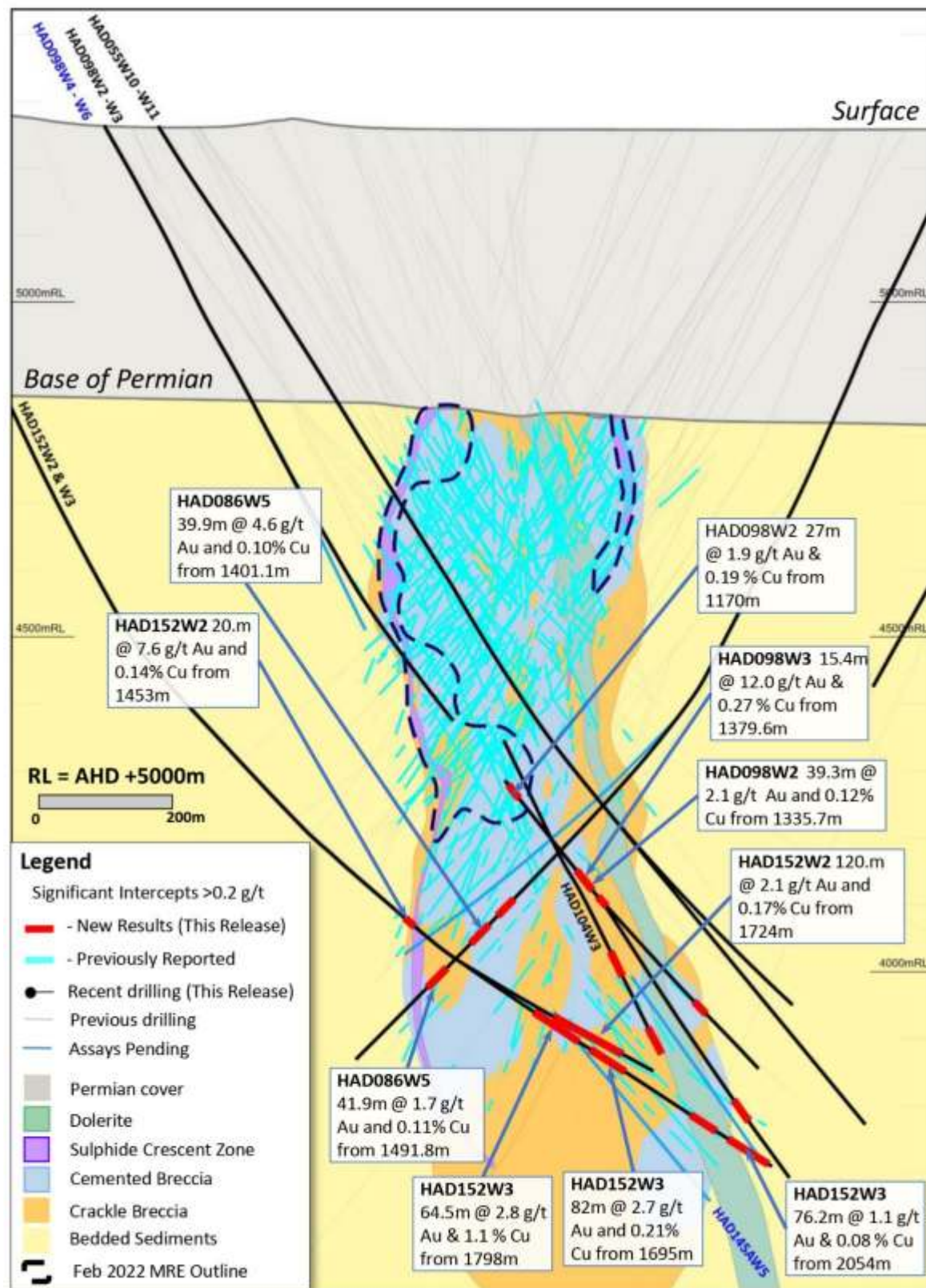
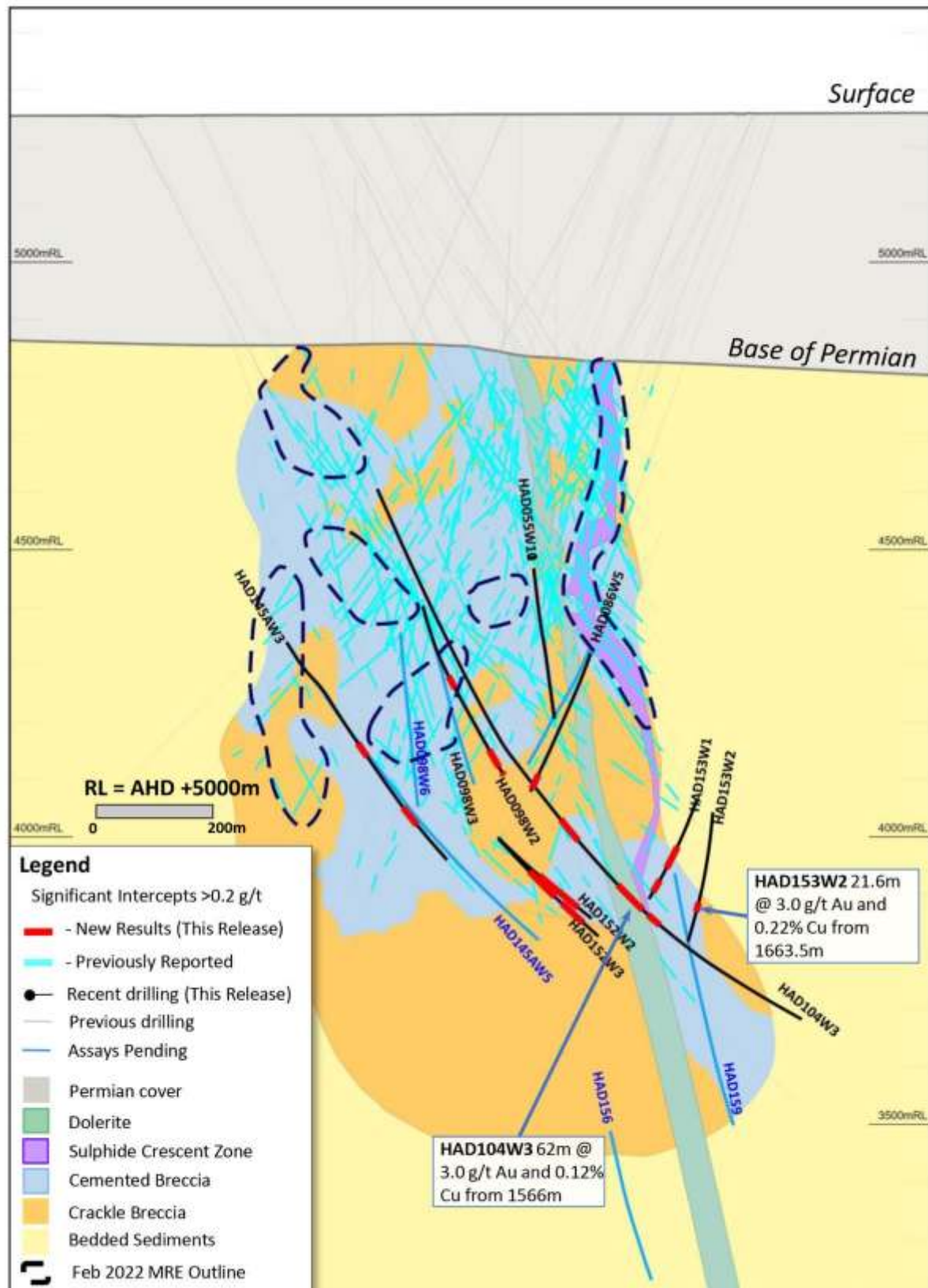


Figure 5. Schematic cross section of geology and significant new drillhole intercepts (looking northeast, Section Line S2, +/-100m section width, as shown in Figure 2). Due to section window size and orientation holes may appear on multiple sections. This diagram highlights >50gram metres intersections drilled during the period.



Competent Person:

Information in this announcement that relates to exploration results has been extracted from the following announcements:

“Havieron Exploration and Development Update”, dated 21 July 2022 (Greatland)
“Quarterly Exploration Report”, dated 21 July 2022 (Newcrest)
“Havieron Exploration and Development Update”, dated 9 June 2022 (Greatland)
“Havieron Exploration and Development Update”, dated 28 April 2022 (Greatland)
“Quarterly Exploration Report”, dated 28 April 2022 (Newcrest)
“Havieron Growth Drilling Update”, dated 10 March 2022 (Greatland)
“Havieron Resource and Reserves Update”, dated 3 March 2022 (Greatland)
“Havieron Exploration Update”, dated 28 January 2022 (Greatland)
“Quarterly Exploration Report”, dated 28 January 2022 (Newcrest)
“Havieron Exploration and Development Update”, dated 9 December 2021 (Greatland)
“Exploration Update”, dated 9 December 2021 (Newcrest)
“Havieron Exploration and Development Update”, dated 28 October 2021 (Greatland)
“Quarterly Exploration Report”, dated 28 October 2021 (Newcrest)
“Havieron Development and Exploration Update” dated 9 September 2021 (Greatland)
“Exploration Update”, dated 9 September 2021 (Newcrest)
“Havieron Development and Exploration Update” dated 22 July 2021 (Greatland)
“Quarterly Exploration Report”, dated 22 July 2021 (Newcrest)
“Further Excellent Growth Drilling Results at Havieron”, dated 10 June 2021 (Greatland)
“Exploration Update”, dated 10 June 2021 (Newcrest)
“Excellent Growth Drilling Results at Havieron”, dated 29 April 2021 (Greatland)
“Quarterly Exploration Report”, dated 29 April 2021 (Newcrest)
“Further Outstanding Infill Drilling Results at Havieron”, dated 11 March 2021 (Greatland)
“Exploration Update”, dated 11 March 2021 (Newcrest)
“Newcrest Reports Further Drilling Results at Havieron”, dated 28 January 2021 (Greatland)
“Quarterly Exploration Report”, dated 28 January 2021 (Newcrest)
“Newcrest Reports Further Drilling Results at Havieron”, dated 10 December 2020 (Greatland)
“Exploration Update”, dated 10 December 2020 (Newcrest)
“Initial Inferred Mineral Resource Estimate for Havieron”, dated 10 December 2020 (Greatland)
“Initial Inferred Mineral Resource Estimate for Havieron”, dated 10 December 2020 (Newcrest)
“Drilling Results at Havieron Highlight Potential New Eastern Breccia Target”, dated 29 October 2020 (Greatland)
“Quarterly Exploration Report”, dated 29 October 2020 (Newcrest)
“Latest Drilling Results at Havieron Highlight Potential Bulk Tonnage Target”, dated 10 September 2020 (Greatland)
“Exploration Update”, dated 10 September 2020 (Newcrest)
“Newcrest Identifies New Zone of Breccia Mineralisation at Havieron”, dated 23 July 2020 (Greatland)
“Quarterly Exploration Report”, dated 23 July 2020 (Newcrest)
“Further Outstanding Drill Results from Havieron”, dated 11 June 2020 (Greatland)
“Exploration Update”, dated 11 June 2020 (Newcrest)
“Newcrest Reports Further Outstanding Drill Results at Havieron”, dated 30 April 2020 (Greatland)
“Quarterly Exploration Report”, dated 30 April 2020 (Newcrest)
“Newcrest Reports Further Outstanding Drill Results at Havieron”, dated 11 March 2020 (Greatland)
“Exploration and Guidance Update”, dated 11 March 2020 (Newcrest)
“Further Outstanding Drill Results at Havieron”, dated 30 January 2020 (Greatland)
“Quarterly Exploration Report”, dated 30 January 2020 (Newcrest)
“New Outstanding Drill Results at Havieron Extend the Strike Length of High-Grade Mineralisation”, dated 2 December 2019 (Greatland)
“Exploration Update – Havieron”, dated 2 December 2019 (Newcrest)

“Further High-Grade Drilling Results from Newcrest's Campaign at Havieron”, dated 24 October 2019 (Greatland)

“Quarterly Exploration Report – September 2019”, dated 24 October 2019 (Newcrest)

“Update on Newcrest Drilling Results at Havieron”, dated 10 September 2019 (Greatland)

“Exploration Update – Havieron”, dated 10 September 2019 (Newcrest)

“First Results from Newcrest's Drilling Campaign at Havieron”, dated 25 July 2019 (Greatland)

“Newcrest Quarterly Exploration Report – June 2019”, dated 25 July 2019 (Newcrest)

Information in this announcement has been reviewed and approved by Mr Damien Stephens, a Member of the Australian Institute of Mining and Metallurgy (AUSIMM), who has more than 25 years relevant industry experience. Mr Stephens, an employee of the Company, has sufficient experience relevant to the style of mineralisation, type of deposit under consideration, and to the activity which he is undertaking to qualify as a Competent Person as defined by the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the JORC Code) and under the AIM Rules - Note for Mining and Oil & Gas Companies, which outline standards of disclosure for mineral projects. Mr Stephens consents to the inclusion in this announcement of the matters based on this information in the form and context in which it appears. Mr Stephens confirms that the Company is not aware of any new information or data that materially affects the information included in the relevant market announcements, and that the form and context in which the information has been presented has not been materially modified.

Additional information on the project can be found on the Company's website at <https://greatlandgold.com/projects/havieron/>

In addition to this release, a PDF version of this report with supplementary information can be found at the Company's website: www.greatlandgold.com/media/jorc

Notes for Editors:

Greatland Gold plc (AIM:GGP) is a mining development and exploration company with a focus on precious and base metals. The Company's flagship asset is the world class Havieron gold-copper deposit in the Paterson region of Western Australia, discovered by Greatland and presently under development in Joint Venture with Newcrest Mining Ltd. Newcrest holds a joint venture interest of 70% (30% Greatland).

Havieron is located approximately 45km east of Newcrest's Telfer gold mine and, subject to positive feasibility study and decision to mine vote, will leverage the existing infrastructure and processing plant to significantly reduce the project's capital expenditure and carbon impact for a low-risk and low-cost pathway to development.

Construction is well advanced and continuing with the box cut and decline to develop the Havieron deposit originally commenced in February 2021. An extensive growth drilling programme continues at Havieron with a view to further expanding the understanding and scale of the ore body.

Greatland has a proven track record of discovery and exploration success. It is pursuing the next generation of tier-one mineral deposits by applying advanced exploration techniques in under-explored regions. The Company is focused on safe, low-risk jurisdictions and is strategically positioned in the highly prospective Paterson region. Greatland has a total six projects across Australia with a focus on becoming a multi-commodity mining company of significant scale.

APPENDIX I

Havieron Project (Greatland Gold plc – Newcrest Joint Venture): JORC Table 1

Section 1 Sampling Techniques and Data

Criteria	Commentary
Sampling techniques	Core samples are obtained from core drilling in Proterozoic basement lithologies. PQ-HQ and NQ diameter core was drilled on a 6m run. Core was cut using an automated core-cutter and half core sampled at 1m intervals with breaks for major geological changes. Sampling intervals range from 0.2 – 1.0m. Cover sequences were not sampled.
Drilling techniques	<p>Permian Paterson Formation cover sequence was drilled using mud rotary drilling. Depths of cover typically observed to approximately 420m vertically below surface. Steel casing was emplaced to secure the pre-collar.</p> <p>Core drilling was advanced from the base of the cover sequence with PQ3, HQ3 and NQ2 diameter coring configuration.</p> <p>Core from inclined drill holes is oriented on 3m and 6m runs using an electronic core orientation tool (Reflex ACTIII or equivalent). At the end of each run, the bottom of hole position is marked by the driller, which is later transferred to the whole drill core run length with a bottom of hole reference line.</p>
Drill sample recovery	<p>Core recovery is systematically recorded from the commencement of coring to end of hole, by reconciling against driller's depth blocks in each core tray with data recorded in the database. Drillers depth blocks provided the depth, interval of core recovered, and interval of core drilled.</p> <p>Core recoveries were typically 100%, with isolated zones of lower recovery.</p> <p>Cover sequence drilling by the mud-rotary drilling did not yield recoverable samples.</p>
Logging	<p>Geological logging recorded qualitative descriptions of lithology, alteration, mineralisation, veining, and structure (for all core drilled – 10,217 m for 21 drill holes, all intersecting mineralisation), including orientation of key geological features.</p> <p>Geotechnical measurements were recorded including Rock Quality Designation (RQD) fracture frequency, solid core recovery and qualitative rock strength measurements.</p> <p>Magnetic susceptibility measurements were recorded every metre. The bulk density of selected drill core intervals was determined at site on whole core samples.</p> <p>All geological and geotechnical logging was conducted at the Havieron site.</p> <p>Digital data logging was captured on diamond drill core intervals only, and all data validated and stored in an acQuire database.</p> <p>All drill cores were photographed, prior to cutting and/or sampling the core.</p> <p>The logging is of sufficient quality to support Mineral Resource estimates.</p>
Sub-sampling techniques and sample preparation	<p>Sampling, sample preparation and quality control protocols are considered appropriate for the material being sampled.</p> <p>Core was cut and sampled at the Havieron core processing facility. Half core samples of between 0.2 and 2.0 m were collected in pre-numbered calico bags and grouped in plastic bags for dispatch to the laboratory. Sample weights typically varied from 0.5 to 8kg. Sample sizes are considered appropriate for the style of mineralisation. Drill core samples were freighted by air and road to the laboratory.</p> <p>Sample preparation was conducted at the independent ISO17025 accredited Intertek Laboratory, Perth (Intertek). Samples were dried at 105°C, and crushed to 95% passing 4.75mm, and the split to obtain up to 3kg sub-sample, which was pulverised (using LM5) to produce a pulped product with the minimum standard of 95% passing 106µm. Routine grind size analysis is conducted.</p> <p>Duplicate samples were collected from crush and pulp samples at a rate of 1:20. Duplicate results show an acceptable level of variability for the material sampled and style of mineralisation.</p> <p>Periodic size checks (1:20) for crush and pulp samples and sample weights are provided by the laboratory and recorded in the acQuire database.</p>

Criteria	Commentary
Quality of assay data and laboratory tests	<p>Assaying of drill core samples was conducted at Intertek. All samples were assayed for 48 elements using a 4-acid digestion followed by ICP-AES/ICP-MS determination (method 4A/MS907), which is considered to provide a total assay for copper. Gold analyses were determined by 50g fire assay with AAS finish (method FA50N/AA), which is considered to provide a total assay for gold.</p> <p>Sampling and assaying quality control procedures consisted of inclusion of certified reference material (CRMs), coarse residue and pulp duplicates with each batch (at least 1:20).</p> <p>Assays of quality control samples were compared with reference samples in acQuire database and verified as acceptable prior to use of data from analysed batches.</p> <p>Laboratory quality control data, including laboratory standards, blanks, duplicates, repeats and grind size results are captured in the acQuire database and assessed for accuracy and precision for recent data.</p> <p>Extended quality control programs including pulp samples submitted to an umpire laboratory and combined with more extensive re-submission programs have been completed.</p> <p>Analysis of the available quality control sample assay results indicates that an acceptable level of accuracy and precision has been achieved and the database contains no analytical data that has been numerically manipulated.</p> <p>The assaying techniques and quality control protocols used are considered appropriate for the data to be used for reporting exploration drilling results.</p>
Verification of sampling and assaying	<p>Sampling intervals defined by the geologist are electronically assigned sample identification numbers prior to core cutting. Corresponding sample numbers matching pre-labelled calico bags are assigned to each interval.</p> <p>All sampling and assay information were stored in a secure acQuire database with restricted access.</p> <p>Electronically generated sample submission forms providing the sample identification number accompany each submission to the laboratory. Assay results from the laboratory with corresponding sample identification are loaded directly into the acQuire database.</p> <p>Assessment of reported significant assay intervals was verified by re-logging of diamond drill core intervals and assessment of high resolution core photography. The verification of significant intersections has been completed by company personnel and the Competent Person/Qualified Person.</p> <p>No adjustments are made to assay data, and no twinned holes have been completed.</p> <p>There are no currently known drilling, sampling, recovery, or other factors that could materially affect the accuracy or reliability of the data.</p>
Location of data points	<p>Drill collar locations were surveyed using a differential GPS with GNSS with a stated accuracy of +/- 0.5m for all drill holes reported.</p> <p>Drill rig alignment was attained using an electronic azimuth aligner. Downhole survey was collected at 6-12m intervals in the cover sequence, and every 6 to 30m in diamond drill core segments of the drill hole using single shot (Axis Mining Champ Gyro). The single shot surveys have been validated using continuous survey to surface (Axis Mining Champ) along with a selection of drill holes re-surveyed by an external survey contractor using a DeviGyro tool - confirming sufficient accuracy for downhole spatial recording.</p> <p>A LIDAR survey was completed over the project area in Nov 2019 which was used to prepare a DEM / topographic model for the project with a spatial accuracy of +/- 0.1m vertical and +/- 0.3m horizontal. The topography is generally low relief to flat, elevation within the dune corridors in ranges between 250-265m Australian Height Datum (AHD) steepening to the southeast. All collar coordinates are provided in the Geocentric Datum of Australian (GDA20 Zone 51). All relative depth information is reported in AHD +5000m.</p>
Data spacing and distribution	<p>Within the South-East Crescent and Breccia zone drill hole spacing ranges from 50 to 100m, to 50 by 50m within the resource extents. Outside the initial resource boundary drill hole spacing ranges from 50 to 200m in lateral extent within the breccia zone over an area of ~2km². The data spacing is sufficient to establish the degree of geological and grade continuity.</p> <p>Significant assay intercepts remain open. Further drilling is required to determine the extent of currently defined mineralisation. No sample compositing is applied to samples.</p> <p>Drilling intersects mineralisation at various angles.</p>

Criteria	Commentary
Orientation of data in relation to geological structure	<p>Drill holes exploring the extents of the Havieron mineral system intersect moderately dipping carbonate and siliclastic sedimentary facies, mineralised breccia and sub-vertical intrusive lithologies. Geological modelling has been interpreted from historic and Newcrest drill holes.</p> <p>Variable brecciation, alteration and sulphide mineralisation is observed with a footprint with dimensions of 650m x 350m trending in a north west orientation and over 1000m in vertical extent below cover.</p> <p>The subvertical southeast high grade arcuate crescent sulphide zone has an average thickness of 20m and has been defined over a strike length of up to 550m and extended to over 700m in vertical extent below cover.</p> <p>Drilling direction is oriented to intersect the steeply dipping high-grade sulphide mineralisation zones at an intersection angle of greater than 40 degrees. The drilled length of reported intersections is typically greater than true width of mineralisation.</p>
Sample security	<p>The security of samples is controlled by tracking samples from drill rig to database.</p> <p>Drill core was delivered from the drill rig to the Havieron core yard every shift. On completion of geological and geotechnical logging, core processing was completed by Newcrest personnel at the Havieron facility.</p> <p>High resolution core photography and cutting of drill core was undertaken at the Havieron core processing facilities.</p> <p>Samples were freighted in sealed bags by air and road to the Laboratory, and in the custody of Newcrest representatives. Sample numbers are generated directly from the database. All samples are collected in pre-numbered calico bags.</p> <p>Verification of sample numbers and identification is conducted by the laboratory on receipt of samples, and sample receipt advise issued to Newcrest.</p> <p>Details of all sample movement are recorded in a database table. Dates, Hole ID sample ranges, and the analytical suite requested are recorded with the dispatch of samples to analytical services. Any discrepancies logged at the receipt of samples into the analytical services are validated.</p>
Audits or reviews	<p>Internal reviews of core handling, sample preparation and assays laboratories were conducted on a regular basis by both project personnel and owner representatives.</p> <p>In the Competent Person's opinion, the sample preparation, security and analytical procedures are consistent with current industry standards and are entirely appropriate and acceptable for the styles of mineralisation identified and will be appropriate for use in the reporting of exploration results and Mineral Resource estimates. There are no identified drilling, sampling or recovery factors that materially impact the adequacy and reliability of the results of the drilling programme in place at the Havieron Project.</p>

Section 2 Reporting of Exploration Results

Criteria	Commentary
Mineral tenement and land tenure status	<p>The Havieron Project is entirely contained within mining tenement M45/1287, which is jointly owned by Greatland Pty Ltd and Newcrest Operations Limited. Newcrest has entered into a Joint Venture Agreement (effective 30 November 2020) and Farm-In Agreement (effective 12 March 2019) with Greatland Pty Ltd and Greatland Gold plc. Newcrest is the Manager of the Havieron Project and holds a 70% interest in the Havieron Project (Greatland 30%).</p> <p>Newcrest and Jamukurnu-Yapalikurnu Aboriginal Corporation (formerly WDLAC) are parties to an ILUA which relates to the use of native title land for Newcrest's current operations at Telfer and its activities within a 60km radius around Telfer and includes its exploration activities at Havieron. The parties have agreed that the ILUA will apply to any future development activities by the Joint Venture Participants (Newcrest and Greatland Gold) at Havieron.</p> <p>The mining tenement M45/1287 wholly replaces the 12 sub-blocks of exploration tenement E45/4701 (former part of the exploration tenement on which the Havieron Project is based) and was granted on 10 September 2020.</p>
Exploration done by other parties	<p>Newcrest completed six core holes in the vicinity of the Havieron Project from 1991 to 2003. Greatland Gold completed drill targeting and drilling of nine Reverse Circulation (RC) drill holes with</p>

Criteria	Commentary
	<p>core tails for a total of approximately 6,800m in 2018. Results of drilling programs conducted by Greatland Gold have previously been reported on the Greatland Gold website.</p> <p>Drilling has defined an intrusion-related mineral system with evidence of breccia and massive sulphide-hosted higher-grade gold-copper mineralisation.</p>
Geology	<p>The Havieron Project is located within the north-western exposure of the Palaeo-Proterozoic to Neoproterozoic Paterson Orogen (formerly Paterson Province), 45 km east of Telfer. The Yeneena Supergroup hosts the Havieron prospect and consists of a 9km thick sequence of marine sedimentary rocks and is entirely overlain by approximately 420m of Phanerozoic sediments of the Paterson Formation and Quaternary aeolian sediments.</p> <p>Gold and copper mineralisation at Havieron consist of breccia, vein and massive sulphide replacement gold and copper mineralisation typical of intrusion-related and skarn styles of mineralisation. Mineralisation is hosted by metasedimentary rocks (meta-sandstones, meta-siltstones and meta-carbonate) and intrusive rocks of an undetermined age. The main mineral assemblage contains well developed pyrrhotite-chalcopyrite and pyrite sulphide mineral assemblages as breccia and vein infill, and massive sulphide lenses. The main mineralisation event is associated with amphibole-carbonate-biotite-sericite-chlorite wall rock alteration. Drilling has partially defined the extents of mineralisation which are observed over 650m by 350m within an arcuate shaped mineralised zone, and to depths of up to 1400m below surface.</p>
Drill hole Information	As provided.
Data aggregation methods	Significant assay intercepts are reported as (A) length-weighted averages exceeding 1.0g/t Au greater than or equal to 10m, with a maximum of 5m consecutive internal dilution; and (B) length-weighted averages exceeding 0.2g/t Au for greater than or equal to 20m, with a maximum of 10m consecutive internal dilution, and (C) intervals of >30g/t which are greater or equal to 30 gram metres (Au_ppm x length). No top cuts are applied to intercept calculations.
Relationship between mineralisation widths and intercept lengths	Significant assay intervals reported represent apparent widths. Drilling is not always perpendicular to the dip of mineralisation and true widths are less than downhole widths. Estimates of true widths will only be possible when all results are received, and final geological interpretations have been completed.
Diagrams	As provided.
Balanced reporting	<p>This is the twenty-third release of Exploration Results for this project made by Newcrest. Previous release dates are 25 July 2019, 10 September 2019, 24 October 2019, 2 December 2019, 30 January 2020, 11 March 2020, 30 April 2020, 11 June 2020, 23 July 2020, 10 September 2020, 29 October 2020, 10 December 2020, 28 January 2021, 11 March 2021, 29 April 2021, 10 June 2021, 22 July 2021, 9 September 2021, 28 October 2021, 9 December 2021, 28 January 2022, and 28 April 2022.</p> <p>Earlier reporting of exploration programs conducted by Newcrest and Greatland Gold have previously been reported. Exploration drilling programs are ongoing and further material results will be reported in subsequent Newcrest releases.</p>
Other substantive exploration data	Nil
Further work	Growth drilling is planned to extend the December 2020 Inferred Mineral Resource estimate and define the limits of the Havieron mineralised system.

APPENDIX II

Drillhole Data and Au- Cu Significant Intersections

Havieron Project, Paterson Province, Western Australia

*Reporting Criteria: Intercepts reported are downhole drill width (not true width) Au >0.20ppm (0.2g/t Au) and minimum 20m downhole width with maximum consecutive internal dilution of 10m. Average grades are based on length-weighting of samples grades. Also highlighted are high grade intervals of Au >1.0ppm (1g/t Au) and minimum 10m downhole width with maximum consecutive internal dilution of 5m, and intervals of >30g/t which are greater or equal to 30 gram metres (Au_ppm x length) are tabled. Gold and copper grades are reported to two significant figures, the downhole lengths are rounded to 0.1m which may cause some apparent discrepancies in interval widths. Samples are from core drilling which is PQ, HQ or NQ in diameter. Core is photographed and logged by the geology team before being cut. Half core PQ, HQ and NQ samples are prepared for assay and the remaining material is retained in the core farm for future reference. Each assay batch is submitted with duplicates and standards to monitor laboratory quality. Total depth (end of hole) is rounded to one decimal place for reporting purposes. Collars denoted with a * show partial results, with further significant assays to be reported in subsequent exploration updates.*

Hole ID	Hole Type	Easting (m)	Northing (m)	RL (m)	Total Depth (m)	Azimuth	Dip	From (m)	To (m)	Interval (m)	Au (ppm)	Cu (pct)	Cut off
HAD055W10	MR-DD	463715	7597341	263	1249	47	-56	No Significant Results					
HAD055W11	MR-DD	463715	7597341	263	1635.9	48	-56	No Significant Results					
HAD086W5	MR-DD	464624	7598150	258	1685	225	-65	1348.5	1383.3	34.8	0	0.06	0.2 g/t Au
HAD086W5	MR-DD							1401.1	1441	39.9	4.6	0.10	0.2 g/t Au
HAD086W5	MR-DD							1403	1423.6	20.6	8.7	0.13	1.0 g/t Au
HAD086W5	MR-DD							1491.8	1533.7	41.9	1.7	0	0.2 g/t Au
HAD086W5	MR-DD							1512.0	1528.1	16.1	4	0.12	1.0 g/t Au
HAD086W5	MR-DD							1605.8	1631.4	25.6	0.1	0.01	0.2 g/t Au
HAD086W6	MR-DD	464624	7598150	258	1524.4	225	-65	Assays Pending					
HAD098W2	MR-DD	463591	7597381	264	1748.4	38	-61	1170.0	1197.0	27.0	1.9	0.19	0.2 g/t Au
HAD098W2	MR-DD							1178.0	1190.0	12.0	3.7	0.26	1.0 g/t Au
HAD098W2	MR-DD							1335.7	1375.0	39.3	2.1	0.12	0.2 g/t Au
HAD098W2	MR-DD							1387.3	1408.0	20.7	3.6	0.43	1.0 g/t Au
HAD098W2	MR-DD							1465.0	1490.7	25.7	0.2	0.12	0.2 g/t Au
HAD098W2	MR-DD							1604.6	1632.0	27.4	0.8	0.04	0.2 g/t Au
HAD098W3	MR-DD	463591	7597381	264	1908.2	38	-61	1379.6	1395.0	15.4	12.0	0.27	1.0 g/t Au
HAD098W3	MR-DD							1759.0	1800.0	41.0	0.3	0.01	0.2 g/t Au
HAD098W4	MR-DD	463591	7597381	264	1099	38	-61	Assays Pending					
HAD098W5	MR-DD	463591	7597381	264	1849.1	38	-61	Assays Pending					
HAD098W6	MR-DD	463591	7597381	264	1203.0	38	-61	Assays Pending					
HAD104W3	MR-DD	463522	7597782	257	1965.0	87	-63	1414.5	1463.3	48.8	0.7	0.18	0.2 g/t Au
HAD104W3	MR-DD							1566.0	1628.0	62.0	3.0	0.12	0.2 g/t Au
HAD104W3	MR-DD							1593.0	1619.7	26.7	6.4	0.16	1.0 g/t Au
HAD104W3	MR-DD							1640.0	1667.7	27.7	1.5	0.24	0.2 g/t Au
HAD145AW3	MR-DD	463201	7597816	256	1560.6	75	-65	1285.9	1317.2	31.3	1.2	0.68	0.2 g/t Au
HAD145AW3	MR-DD							1433.0	1476.0	43.0	0.3	0.05	0.2 g/t Au
HAD145AW3	MR-DD	463201	7597816	256	1560.6	75	-65	Assays Pending					
HAD145AW5	MR-DD	463201	7597816	256	2162	75	-65	Assays Pending					
HAD152W2	MR-DD	463402	7597058	254	1898	33	-64	1453.0	1473.0	20.0	7.6	0.14	0.2 g/t Au

Hole ID	Hole Type	Easting (m)	Northing (m)	RL (m)	Total Depth (m)	Azimuth	Dip	From (m)	To (m)	Interval (m)	Au (ppm)	Cu (pct)	Cut off
HAD152W2	MR-DD							1455.0	1471.0	16.0	9.4	0.17	1.0 g/t Au
HAD152W2	MR-DD							1571.2	1609.0	37.8	0.1	0.03	0.2 g/t Au
HAD152W2	MR-DD							1724.0	1844.0	120.0	2.1	0.17	0.2 g/t Au
HAD152W2	MR-DD							1781.7	1802.0	20.3	3.1	0.68	1.0 g/t Au
HAD152W3	MR-DD	463402	7597058	254	2142	29	-62	1695.0	1777.0	82.0	2.7	0.21	0.2 g/t Au
HAD152W3	MR-DD							1798.0	1862.5	64.5	2.8	1.10	0.2 g/t Au
HAD152W3	MR-DD							1843.5	1857.0	13.5	9.8	0.89	1.0 g/t Au
HAD152W3	MR-DD							1984.0	2032.0	48.0	0.9	0.03	0.2 g/t Au
HAD152W3	MR-DD							2054.0	2130.2	76.2	1.1	0.08	0.2 g/t Au
HAD153W1	MR-DD	464786	7598418	269	1690.5	201	-59.8	1557.0	1611.0	54.0	0.5	0.36	0.2 g/t Au
HAD153W1	MR-DD							1641.0	1673.0	32.0	0.7	0.04	0.2 g/t Au
HAD153W2	MR-DD	464786	7598418	269	1756.1	201	-60	1663.5	1685.0	21.5	3.0	0.22	0.2 g/t Au
HAD156	MR-DD	463678	7596940	255	2323.3	30	-75	Assays Pending					
HAD157	MR-DD	464557	7599018	262	934	270	-65	Assays Pending					
HAD158	MR-DD	464062	7599513	265	1175	92	-65	Assays Pending					
HAD159	MR-DD	464086	7597253	261	1918	29	-77	Assays Pending					
HAD160	MR-DD	463660	7596898	255	1083	90	-63	Assays Pending					
NOR002	MR-DD	464229	7600149	264	1177.5	85	-75	Assays Pending					

#drilling in progress. **partial intercept, assays pending. ^updated intercept. ^^previously reported intercept.