

# Bottle Dump Target Yields High Grade Result

# <u>HIGHLIGHTS</u>

- Two reverse circulation ("RC") holes have been drilled at Bottle Dump for preliminary metallurgical testwork
- Assay results include:
  - BDRC0125 14m @ 8.2g/t Au from 95m including: 6m @ 18.3g/t Au from 97m
  - BDRC0126 2m @ 1.0g/t Au from 111m
- BDRC0125 intersection located up dip of previous hole TCKRC0004, drilled in March 2021, which returned 16m @ 2.3g/t Au<sup>i</sup>
- BDRC0125 intersection is 28m below the Bottle Dump pit

**Odyssey Gold Limited (ASX:ODY) ("Odyssey" or "Company")** is pleased to announce drill results from the Bottle Dump Target, part of the Tuckanarra Project in the Murchison Goldfields of Western Australia.

Commenting on these latest encouraging results Managing Director, Matt Briggs said:

"RC drilling at Bottle Dump has yielded a fantastic result immediately below the open pit. Drilling was completed to commence metallurgical testwork on sulphide mineralisation.

Two holes were completed on the up-dip limit of mineralisation. Hole BDRC0125 indicates mineralisation extends shallower than previously interpreted, increasing the volume of shallow mineralisation. Hole BDRC0126 intersected the upper limit of mineralisation. A sufficient sample of sulphide mineralisation was collected to allow the metallurgical test work to commence and to be used in future resource estimation and economic evaluation of the deposit.

Previous mining of the deposit averaged over 3g/t Au. Drilling by Odyssey over the last 18 months has successfully defined the mineralisation from the base of the pit to over 360m down plunge and over 240m below surface.

Drill planning is underway for further RC drilling to extend the Highway Zone to the east and to drill up dip of the recent results."

# ASX:ODY

← +61 (0)8 9322 6322 ☆ info@odysseygold.com.au Level 9, 28 The Esplanade, Perth WA 6000 odysseygold.com.au
ABN 73 116 151 636



### **Current Drilling Strategy**

Odyssey's Tuckanarra Project is part of the prolific Murchison Goldfields (Figure 5). The Murchison Goldfields are host to a +35Moz gold endowment (historic production plus current resources).

Recent drilling by Odyssey has focussed on defining high grade shoots extending below the Bottle Dump, Bollard and Cable Pits, along with extending the system to the north and to the east at the Highway Zone. Several other advanced targets have also been RC drilled, including Maybelle, Maybelle North, Lucknow, Douglas and Cable North. Assay results are pending for over 6,000m of drilling.

Recent drilling has highlighted the significant potential at the Highway Zone. The structure is open to the east towards historic soil anomalism and shallow Rotary Air Blast ("**RAB**") drilling.

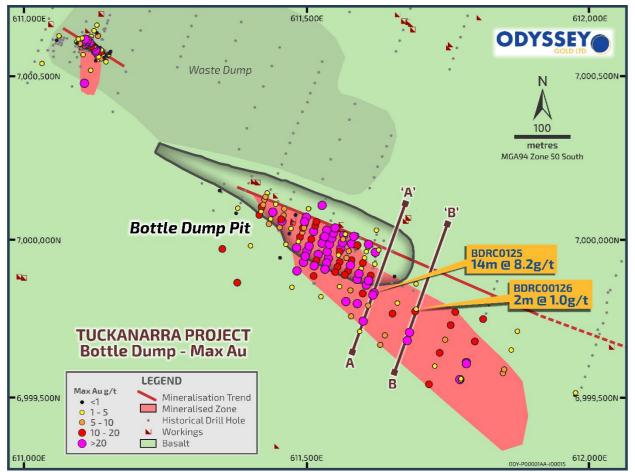


Figure 1 - Bottle Dump Target showing recent RC drillhole results and east plunging shoot.

#### **Bottle Dump Background**

The Bottle Dump deposit was mined to a depth of 48m in the early 1990's before mining was halted as the ores started to transition to primary sulphides. Mined production to the end of 1990 is reported as 43,356t @ 2.9g/t Au. A resource drilling program was completed in 1994-1995 and an updated resource (non-JORC 2012) and metallurgical studies were completed by mid-1995.



Mining recommenced with production of 53,024t @ 3.31g/t Au reported in 1995. Mining is reported to have continued into 1996 but no records are available for post 1995 production. Details are available in WAMEX Report A45177<sup>ii</sup>. Significant drilling has been completed since 1995.

Total bedrock drilling at Bottle Dump since discovery includes 178 RC holes and 28 diamond drillholes.

Mineralisation is associated with two-four sub-parallel zones of moderately dipping quartz veining and sulphides cross cutting steeply dipping basalts and banded iron formations (Figure 2). The mineralisation has strong strike continuity and a shallow plunge to the east. In the main plunge mineralisation is 6-20m wide.

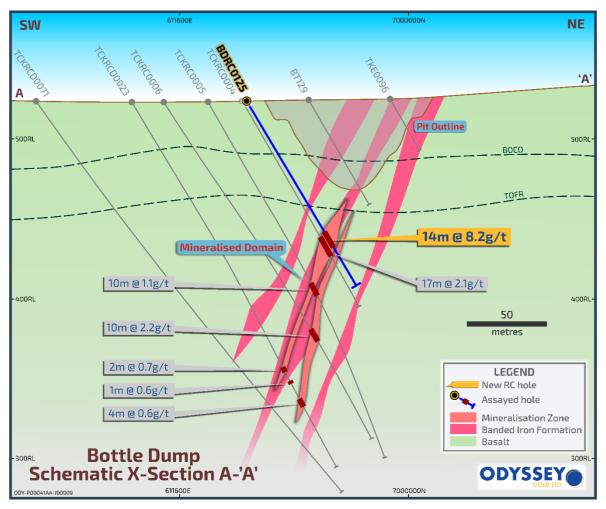


Figure 2 - Oblique cross section through RC hole BDRC0125

# **Bottle Dump Activity**

Diamond and RC drilling by Odyssey in 2021 extended the plunge of mineralisation at Bottle Dump to 360m down plunge of the Bottle Dump Pit. The results of a conceptual study of the deposit encouraged accelerating metallurgical testwork on sulphide mineralisation. Two RC holes (263m) were drilled to generate fresh sulphide mineralisation for metallurgical testwork. Expedited assay results have returned for these two holes.



BDRC0125 has intersected quartz veining with 5-10% pyrrhotite mineralisation with a result of 14m @ 8.2g/t Au from 95m including 6m @ 18.3g/t Au from 97m (Figure 2).

BDRC0126 was drilled further down plunge at the upper limit of the interpreted mineralised shoot and intersected 2m @ 1.0g/t Au from 111m associated with 4% pyrrhotite in basalt (Figure 3).

BDRC0125 and BDRC0126 were drilled 6m up dip of previous holes TCKRC0004 16m @ 2.3g/t Au<sup>iii</sup> and TCKRC0020 6m @ 2.8g/t<sup>iv</sup> respectively. The new RC were both visually similar to the adjacent holes.

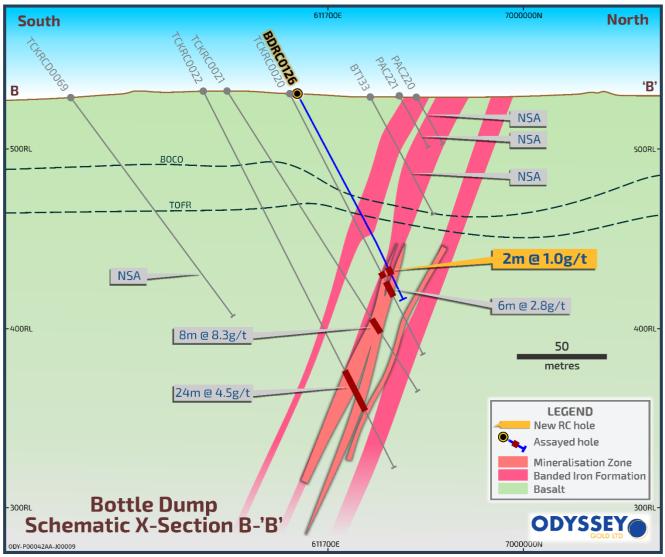


Figure 3 - Oblique cross section through RC drillhole BDRC0126

Assaying of the recent holes was completed by 500g photon assay compared with 50g fire assay / ICP-OES for the 2021 holes. The photon assay being a larger sample would be expected to be more representative.

Metallurgical testwork is underway with the samples generated.



# **Future Work**

Assay results are pending for over 6,000m of drilling. Updates to the geological interpretation are currently underway to allow for future resource estimation.

Recent results have demonstrated multiple zones of mineralisation in a 40m wide structure at the Highway Zone. The structure remains open in all directions. Planning is underway for further RC drilling. The immediate focus will be RC drilling up dip of results including 44m 1.8g/t Au<sup>v</sup> and 4m @ 7.1g/t Au<sup>vi</sup> and strike extensions to the east (Figure 4).

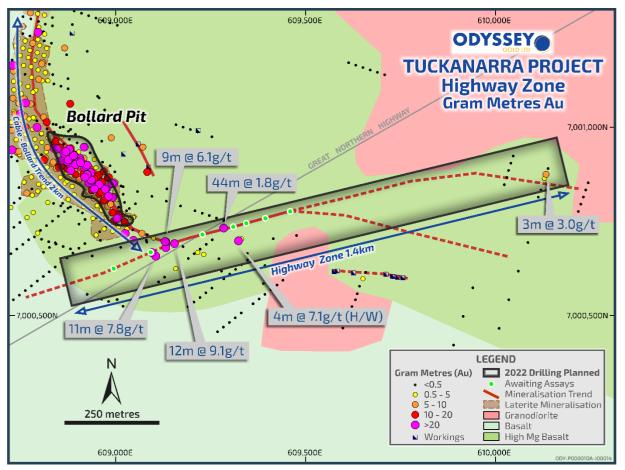


Figure 4 - Strike extensions of the Highway Zone planned for RC drilling in 2022

Planning of RAB drilling for the screening of earlier stage targets across the Tuckanarra Project area is in progress. Field mapping and soil sampling will be undertaken over newly identified prospective targets.

Parts of the Bottle Dump mineralisation remain open up dip. Additional shoots are likely to occur along strike to the east, or on parallel structures to the north and south of Bottle Dump. Mapping and soil geochemistry is continuing ahead of planned RAB drilling on early stage targets.

# **Tuckanarra Project Background**



Five shallow oxide pits were mined on the Tuckanarra Project in the 1990's producing 101.1koz at an average grade of 3.9g/t Au. Additionally, ~40koz were produced at an average grade of 7.2g/t Au from the only modern underground mine on the Project. The Project is located between Meekatharra and Mount Magnet, proximal to multiple gold processing plants, along the Great Northern Highway.

Previous resource development and open pit mining was focused on laterite and oxide mineralisation due to low gold prices. Odyssey has recognised the potential for significant strike and plunge extensions to the mineralisation. The potential has been demonstrated in 2021 along over 2km of strike with results from drilling including 2.3m @ 600.2g/t Au from 249m<sup>vii</sup>, 24m @ 4.5g/t Au from 179m<sup>viii</sup> and 7m @ 14.3g/t Au from 112m<sup>ix</sup>.

For further information, please contact:

#### Matt Briggs

Managing Director: +61 8 9322 6322



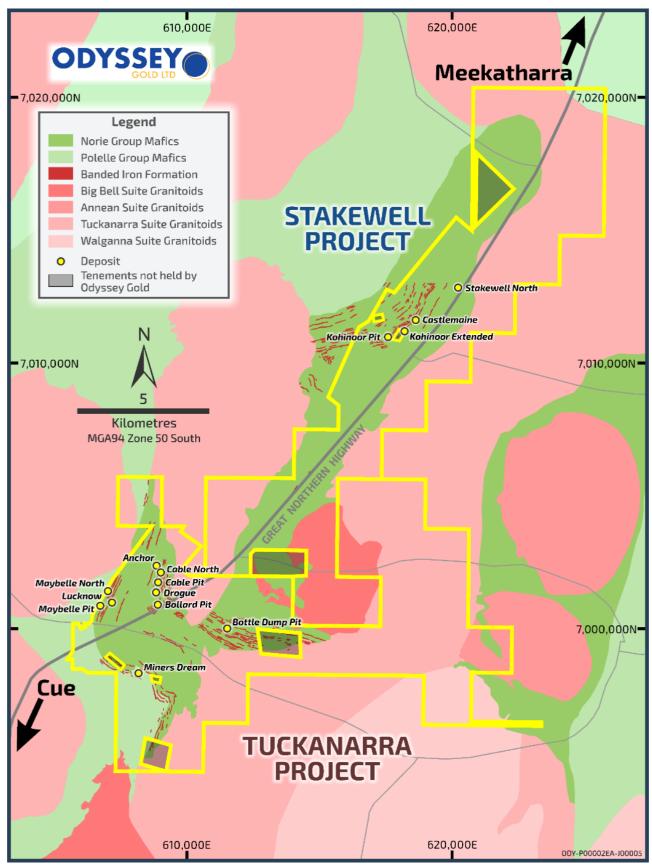


Figure 5. Tuckanarra Project Area Prospect Map



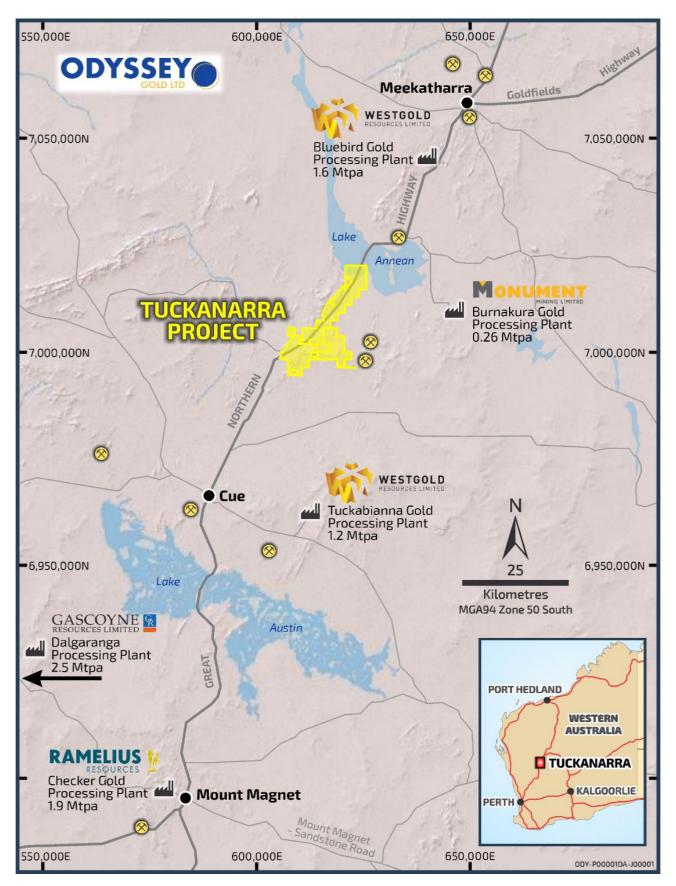


Figure 6 - Tuckanarra Project Location Map



### **APPENDIX 1 - DRILL INTERCEPT TABLES**

#### Hole ID East North RL Depth Dip Azimuth Target Type (m) BDRC0125 RC 6999908 524 -60 22 Bottle Dump 611617 133 BDRC0126 RC 611692 6999879 531 130 -60 24 Bottle Dump

#### Table 1. Drillhole details for reported Tuckanarra Project results.

MGA94 Zone 50 Grid

#### Table 2 – Drill Results from the Tuckanarra Project

Hole ID	From (m)	To (m)	Length (m)	Au (g/t)	Structure
BDRC0125	95	109	14	8.2	Bottle Dump
including	97	103	6	18.3	Bottle Dump
BDRC0126	111	113	2	1.0	Bottle Dump

Results are reported > 2m @ 0.5g/t and/or where geologically significant. Holes were selectively assayed for samples at the target depth.



# APPENDIX 2 - JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data (Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.	Sampling methods used for samples in this release are: 1m samples - Reverse Circulation (RC) drilling. These samples are split using a cone splitter into calico bags representing the 1m interval. Hole diameter starting at 5 ¾ inch diameter reducing as the hole progresses. Individual samples weigh less than 5kg. The sample size is deemed appropriate for the grain size of the material being sampled
	Include reference to measures taken to ensure sample representation and the appropriate calibration of any measurement tools or systems used.	Sampling was carried out under the ODY protocols and QAQC. See further details below. Sampling is supervised by a geologist and/or trained field technician.
Drilling	Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.	The RC samples were split by rig mounted cone splitter at the rig and collected in calico bags at 1m intervals of approximately 3- 5kg in weight. For intervals of expected mineralisation the 1m samples are submitted immediately following drilling. Samples were submitted to Minanalytical Laboratory Perth where a 500g sample assayed by Photon Assay. Samples are sent to the NATA accredited MinAnalytical Laboratory in Canning Vale, Perth and analysed via Photon Assay technique (method code PAAU2) along with quality control samples. Individual samples are assayed for gold after drying and crushing to nominally 85% passing 2mm and 450-500g split taken for PhotonAssay). The PhotonAssay technique was developed by CSIRO and Chrysos Corporation and is a fast, chemical free non-destructive, alternative using high-energy X-rays to traditional fire assay and uses a significantly larger sample size (500g v's 50g for fire assay). This technique is accredited by the National Association of Testing Authorities (NATA). Repeat assays are routinely taken of elevated gold samples.
Drilling techniques	Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face- sampling bit or other type, whether core is oriented and if so, by what method, etc).	RC drilling with a face sampling bit was completed by Strike Drilling. Downhole surveys for RC drilling are recorded using a True North seeking GYRO survey tool.
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed.	The majority of the samples are reported to be dry. Typically, drilling operators ensured water was lifted from the face of the hole at each rod change to ensure water did not interfere with drilling and to make sure samples were collected dry.
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	Drilling is carried out orthogonal to the mineralisation to get representative samples of the mineralisation. Standard practices for RC and diamond drilling are used.
	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.	No relationship between recovery and grade have been identified. This is not seen to be a material risk with the drilling methods and approach to sampling being undertaken.
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.	All RC chips is logged onsite by geologists to a level of detail to support future mineral resource estimation, mining studies and metallurgical studies.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.	Logging is qualitative and records lithology, grain size, texture, weathering, structure, alteration, veining and sulphides. Core and chips are digitally photographed. Chip trays are routinely scanned with pXRF
	The total length and percentage of the relevant intersections logged	All holes are logged in full, including the reported intersections.
Sub- sampling techniques	If core, whether cut or sawn and whether quarter, half or all core taken.	$\frac{1}{2}$ core samples of diamond core was cut at 1m intervals or to geological boundaries. The remaining half of the drill core was stored.



Criteria	JORC Code explanation	Commentary
and sample preparation	If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	1m RC samples are split using a cone splitter. Composite RC samples were collected by spear from the reject from the riffle splitter by spearing and combined into 4m composite samples. Original 1m samples collected off the rig were submitted for 4m intervals which returned Au>0.5ppm in the composite sample. All samples are dry. Drilling of a hole is terminated if dry samples cannot be produced.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	Diamond core samples and 4m and 1m RC samples were submitted to Minanalytical Laboratory Perth where a 400-600g sample was assayed by Photon Assay. The sample preparation procedures carried out are considered acceptable. All coarse and pulp rejects are retained on site.
	Quality control procedures adopted for all sub- sampling stages to maximise representation of samples.	Sampling is supervised by a geologist and sample recovery and moisture content noted. A checklist to ensure ongoing checking for sample quality and to avoid contamination has been implemented.
	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.	Samples are inspected for contamination. The RC cyclone is routinely cleaned. Field duplicates are not currently collected. 4m composites have been compared to 1m samples with good correlation.
	Whether sample sizes are appropriate to the grain size of the material being sampled.	Sample sizes are considered appropriate to give an indication of mineralisation. Once a meaningful population of samples is collected per sample domain an assessment will be made of the appropriate weight and number of samples to allow the classification of mineral resources.
Quality of assay data and laboratory tests	The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.	All samples were submitted to MinAnalytical Laboratory Perth where a 400-600g sample was assayed by Photon Assay for gold. The larger sample weight assists in producing a more accurate evaluation of the grade of the mineral domain at the pre-resource stage when compared to 30g fire assay,
	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.	No geophysical surveys reported in this release.
	Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	Certified reference material (CRM) samples sourced from Geostats and were inserted every 25 samples and Blank samples. External lab check assays have not been completed for the current program.
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	All assays are reviewed by Odyssey Gold and significant intercepts are calculated as composites and reported using a nominal 0.5g/t Au cut-off grade; however, intercepts may be reported within sub-grade mineralisation if dictated by a geological domain. A maximum of 3m consecutive internal waste is nominally allowed in composites. All significant intercepts are checked by the Competent Person. Previous announced intersections may vary with a change in interpretation. A re- announcement of previous results will not occur unless the Competent Person decides the change is material. The competent person routinely inspects drilling, and chips and core to ensure correlation with assay results.
-	The use of twinned holes.	No dedicated twin holes have been completed in this program. Due to hole deviation, and drilling to a greater depth in areas previously drilled, twinning of historic drillholes has been achieved. The current program traverses some similar areas to south dipping holes drilled last year.
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	All drill hole logging is completed on digital logging templates with built-in validation. Logging spreadsheets are uploaded and validated in a central MS Access database. All original logging spreadsheets are also kept in archive. Duplicated copies of the database and drillhole data is routinely backed up through cloud server backups. Logging of key intersections has been reviewed by the Geology Manager / Managing Director.
	Discuss any adjustment to assay data.	No assay data was adjusted.



Criteria	JORC Code explanation	Commentary
Location of data points	Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.	Drill hole collars are located using handheld GPS with 3-5m accuracy. Downhole surveys for both RC and DDH drilling are recorded using a True North seeking GYRO survey tool. Subsequent to drilling, previous Odyssey programs have had collars surveyed by a licensed surveyor using a Topcon Hyper VR GNSS with expected accuracy of +/- 0.03m horizontal and +/- 0.05m vertical relative to the base station. This is planned to be completed for the end of the current RC program.
	Specification of the grid system used.	The project currently uses the MGA94, Zone 50 grid system.
	Quality and adequacy of topographic control.	The site topographic surveys including the pit surveys match well with the drill hole collars. Detailed aerial photography over the region has aided on locating historic drillhole collars. An updated digital terrain model has been generated from a recent UAV drone survey which will allow a review of collar RLs.
Data spacing and distribution	Data spacing for reporting of Exploration Results.	Drill hole spacing for the 2022 drill program is variable as most drilling to date is either first pass drilling of new exploration targets or step-out brownfields exploration targeting along strike from existing resources. In general, drill hole collar spacing for the reported drillholes is 80m. The historic open pit and waste dumps restrict access, which results in drilling angles not always being orthogonal to the structures and holes not being on a regular grid.
	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.	Drilling is on a spacing which is sufficient to test the grade continuity of mineralisation for this style of mineralisation. The current data set is considered potentially appropriate for use in a future Mineral Resource. A resource has previously been declared for the deposits being drilled.
	Whether sample compositing has been applied.	4m sample composites are used. Where reported intervals are composites, this is disclosed in the announcement Table 2. All significant 4m composites are subsequently replaced with the intersections from 1m samples.
Orientation of data in relation to geological	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	It is considered that the orientation of the bulk of the drilling and sampling suitably captures the dominant "structure" of the style of mineralisation at Tuckanarra.
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.	The bulk of the intercepts appear to be orthogonal to the mineralisation +/- 25 degrees unless otherwise stated in the intercepts table. Further work will be undertaken to analyse this in the future as exploration works progress. Assay intercepts are stated as down-hole lengths. Previous resource modelled work has highlighted grade bias in holes drilled down the mineralisation.
Sample security	The measures taken to ensure sample security.	RC samples are collected in prenumbered calico bags. Samples are delivered to the lab directly by Odyssey personnel or freighted via an independent freight provider.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	All QAQC data is reviewed to ensure quality of assays; batches containing standards that report greater than 2 standard deviations from expected values are re-assayed.

Section 2 Reporting of Exploration Results (Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.	Odyssey's subsidiary, Tuckanarra Resources Pty Ltd, owns an 80% interest in the Tuckanarra Project, comprising two Exploration Licences (E20/782-783), one Mining Licence (M20/527), and seven Prospecting Licences.
	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 tenement package is understood to be in good standing with the WA DMIRS.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Refer to the body of the report and to previous announcements.



Criteria	JORC Code explanation	Commentary
Geology	Deposit type, geological setting and style of mineralisation.	The Project area is located within the Meekatharra-Wydgee Greenstone belt within the north-eastern Murchison Domain. The majority of greenstones within the Meekatharra-Wydgee belt have been stratigraphically placed within the Polelle Group and the Norie Group of the Murchison Supergroup.
		The Project area covers Archean basement rocks assigned to the 2815-2805 Ma basal Norie group of the Murchison Supergroup, which covers the eastern margin of the Meekatharra-Wydgee greenstone belt. The Norie group comprises a thick succession of pillowed and massive tholeiitic basalts of the Muroulli Basalt, and conformably overlying and mafic schist and felsic volcanoclastics with interbedded BIF and felsic volcanic rocks of the Yaloginda Formation (Van Kranendonk et al, 2013). These rocks are folded around the south-plunging Besley Anticline. Adjacent to these rocks are the mafic sequences of the Meekatharra Formation (Polelle Group).
		Granitoids in the Project area comprise of the Jungar Suite and Annean Supersuite to the east and the Munarra Monzogranite of the Tuckanarra Suite to the west. The Jungar Suite comprises of foliated to strongly sheared K-feldspar-porphyritic monzogranites. These rocks are characterized by strong shear fabrics that suggest they may have been emplaced during, or just before, shearing. The Annean Supersuite includes hornblende tonalite and monzogranitic rocks. The Tuckanarra Suite consists of strongly foliated and locally magmatically layered granodiorite to monzogranitic rocks.
		The Project is situated within the 'Meekatharra structural zone', a major regional, NE-trending shear dominated zone, about 50 to 60km wide, stretching from Meekatharra through the Cue region as far south as Mount Magnet. This major shear zone is dominated by north and northeast-trending folds and shears (e.g. Kohinoor shear). The Mt Magnet fault is the major east- bounding structure of the Meekatharra structural zone.
		The mineralised zones of the Project are located in the Tuckanarra greenstone belt comprising a series of mafic and inter-banded mafic and iron formations, with a variable component of clastic sediments, (greywackes and minor shales). The sequence is folded into a south-westerly plunging anticline with a well-developed axial plane cleavage and numerous fractures, bedding parallel faults and shears. The belt extends northwards to Stake Well and east towards the Reedys mining centre.
		The area has four small open pits, extensive minor gold workings, and prospecting pits principally associated with mafic lithologies and Altered Ferruginous Transitional ( <b>AFT</b> ) and Altered Ferruginous Fresh ( <b>AFF</b> ) material which were originally banded iron formations. The magnetite content within the AFT/AFF's has been destroyed and predominantly altered to an assemblage of hematite with the relic structure of the banded iron intact.
		Where mineralised veins intersect major competency contrasts such as high magnesium basalt or AFT/AFF, veining becomes layer parallel resulting in larger deposits such as the Bollard and Cable deposits.
		A number of styles of gold mineralisation have been identified in the area including:
		<ul> <li>Mineralised AFT and AFF material ± quartz veining (Cable East, Cable Central);</li> </ul>
		<ul> <li>Quartz veins ± altered basalts (Cable West, Lucknow, Maybelle, Maybelle North, Miners' Dream); and</li> </ul>
		<ul> <li>Gold mineralisation within laterite (Anchor, Bollard, Drogue).</li> <li>Below the base of complete oxidation (~40m) gold mineralisation is commonly seen associated with quartz- pyrrhotite veins and pyrrhotite replacement of the host rocks.</li> </ul>



Criteria	JORC Code explanation	Commentary
		Prospective models for the discovery of additional gold deposits in the area are related to the intersection of shear zones with prospective lithologies.
Drill hole Information	<ul> <li>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:</li> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> <li>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.</li> </ul>	Drill hole details are provided in Appendix 1. Results that are interpreted to be discontinuous, or outside the areas of interest may not be highlighted in the announcement.
Data aggregation methods	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated. 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.	Significant intercepts are reported as down-hole length- weighted averages of grades above a nominal 0.5 g/t Au; or according to geological/mineralised units in occasional cases where warranted. No top cuts have been applied to the reporting of the assay results. Higher grade intervals are included in the reported grade intervals; and have also been split out on a case-by-case basis where relevant.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalent values are used.
Relationship between mineralisation widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').	The bulk of the exploration drilling was conducted so that results would be close to orthogonal to the mineralisation as understood at the time; however, the true relationship to the mineralisation is not accurately determined. Due to restrictions of access, such as from historic open pits, the drill angle may be compromised. Cross sections are included in the announcement to illustrate the interpreted orientation of the drillhole to the mineralisation. True widths of intersections in this announcement are interpreted to be 80-100% of the downhole width.
Diagrams	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	Refer to Figures in the body of this announcement and Appendix 1.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	Balanced reporting has been used. The exploration results should be considered indicative of mineralisation styles in the region. Exploration results stated indicated highlights of the drilling and are not meant to represent prospect scale mineralisation. As the projects are brownfields exploration targets, and there are large numbers of holes drilled over the region, it is considered appropriate to illustrate mineralised and non-mineralised drill holes by the use of diagrams, with reference to the table of significant intercepts.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density,	No other meaningful data is required to be presented other than what has been presented in the body of this announcement. The reader is referred to the Independent Geologists Report in the Odyssey Gold Prospectus. The Bottle Dump deposit was mined to a depth of 48m in the



Criteria	JORC Code explanation	Commentary
	groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	early 1990's before mining was halted as the ores started to transition to primary sulphides. A resource drilling program was completed in 1994-1995 and an updated resource (non-JORC 2012) and metallurgical studies were completed by mid-1995. The updated resource (non-JORC 2012) was estimated to the 217.5 level with exploitation to this level requiring a cutback. The current depth of the pit is at least to the ~250 Level (-58m) which indicates that goodbye cuts were likely taken in the initial phase of mining, or some limited mining occurred after the 1995 resource estimate – perhaps to the 240 level, before limited space forced the decision to stop mining or undertake a major cutback. It is likely that the DTM provided is not the true depth of the pit, and currently represents the water level at the time of capture – confirmation surveying is required.
Further work	The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	Assay results are pending for over 6,000m of drilling. Updates to the geological interpretation are currently underway to allow for future resource estimation. Planning of Rotary Air Blast ("RAB") drilling for the screening of earlier stage targets across the project is in progress. Field mapping and soil sampling will be undertaken over newly identified prospective targets. Parts of the Bottle Dump mineralisation remain open up dip. Additional shoots are likely to occur along strike to the east, or on parallel structures to the north and south of Bottle Dump. Mapping and soil geochemistry is continuing ahead of planned RAB drilling on early stage targets.



#### **COMPETENT PERSONS STATEMENT**

The information in this announcement that relates to Exploration Results is based on, and fairly represents, information compiled or reviewed by Steve Le Brun, who is a Competent Person. Mr Le Brun is a Fellow of the Australasian Institute of Mining and Metallurgy and is a Fellow of the Australasian Institute of Geologists and is a full-time employee of Odyssey and is a holder of shares and performance rights in Odyssey Gold Limited. Mr Le Brun has sufficient experience that is relevant to exploration and the style of mineralisation and type of deposit under consideration, and to the activity being undertaken, to qualify as a Competent Persons as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code). Mr Le Brun consents to the inclusion in the announcement of the matters based on their information in the form and context in which it appears.

#### FORWARD LOOKING STATEMENTS

Statements regarding plans with respect to Odyssey's project are forward-looking statements. There can be no assurance that the Company's plans for development of its projects will proceed as currently expected. These forward-looking statements are based on the Company's expectations and beliefs concerning future events. Forward looking statements are necessarily subject to risks, uncertainties and other factors, many of which are outside the control of the Company, which could cause actual results to differ materially from such statements. The Company makes no undertaking to subsequently update or revise the forward-looking statements made in this announcement, to reflect the circumstances or events after the date of that announcement.

This ASX Announcement has been approved in accordance with the Company's published continuous disclosure policy and authorised for release by the Managing Director.

<sup>&</sup>lt;sup>i</sup> Refer ASX announcement dated 4 May 2021

https://geodocs.dmirs.wa.gov.au/Web/documentlist/10/Report\_Ref/A45177

iii Refer ASX announcement dated 3 June 2021

<sup>&</sup>lt;sup>iv</sup> Refer ASX announcement dated 26 May 2021

<sup>&</sup>lt;sup>v</sup> Refer ASX announcement date 11 May 2022

 $<sup>^{\</sup>rm vi}$  Refer ASX announcement date 11 May 2022

vii Refer ASX announcement dated 2 July 2021

viii Refer ASX announcement dated 20 January 2021

<sup>&</sup>lt;sup>ix</sup> Refer ASX announcement dated 2 November 2021