ECHO RESOURCES LTD

ASX ANNOUNCEMENT

LARGE SCALE DRILLING PROGRAM UNDERWAY AT YANDAL GOLD PROJECT

- **Reverse circulation (RC) drilling of 17,000m and air core (AC) drilling of 8,400m commenced to implement Echo's exploration strategy to quickly establish additional ore sources and extend mine-life**
- **First shallow target to be drilled is at Bronzewing Northeast, located 2.5km from the 2.3Moz Bronzewing mine and on the same geological structure**
- **Program also includes Echo's maiden drilling at Corboys, focusing on increasing the current 125koz Resource and targeting a similar sized prospect at Corboys Southeast**
- **Drilling planned at the advanced Ashanti and Mulga deposits to add to the recently announced Mt Joel Resource**
- **Near-mine extensional drilling at the historical high grade (4.0g/t Au) Bills Find open pit**
- **Additional greenfield targets include Ashanti North, Bills Find Northeast, Red Bellied Black and Python**
- **Structural study underway for Bronzewing and Lotus deposits with diamond drilling targeting potential structural repeats planned from September 2019**
- **Initial AC results from the northern end of Hadrian Trend intersected the targeted structures with significant quartz veining however returned no significant gold assays.**
- **The remainder of the Hadrian Trend remains untested. Future exploration will be conducted after a review of recent results**

Echo Resources Limited (ASX: EAR) ('Echo' or the 'Company') is pleased to provide an exploration update for the Yandal Gold Project ('Project'), in Western Australia.

As outlined in the Yandal Gold Project Bankable Feasibility Study[1] ('BFS') and Growth Strategy released on 23 April 2019, Echo is focused on investing in near term resource conversion and targeted greenfield exploration to enhance the already strong returns forecast in the BFS. Key exploration objectives include improving production profile, extending future mine life and testing potentially large-scale greenfield discovery targets.

ASX ANNOUNCEMENT
11 July 2019

ASX CODE
EAR

KEY ASSETS
- Julius
- Orelia
- Bronzewing Hub

DIRECTORS
Victor Rajasooriar
Managing Director and CEO

Barry Bolitho
Non-Executive Chairman

Robin Dean
Non-Executive Director

Mark Hanlon
Non-Executive Director

Anthony McIntosh
Non-Executive Director

Alan Thom
Non-Executive Director

Kate Stoney
Company Secretary

REGISTERED OFFICE
Level 1, 7 Rheola Street
West Perth WA 6005

T +61 (8) 9389 8726
F +61 (8) 9467 2896

Echo's new geological team, complemented with external geological consultants, have ranked and prioritised key targets within the tenement package that will form the focus of exploration for the second half of 2019. The priorities include a combination of advanced brownfield projects and greenfield discovery targets.

Drilling has commenced initially targeting the highly prospective shallow Bronzewing Northeast prospect, located 2.5km from the 2.3Moz Bronzewing mine. The target is located on the same north east structure as the Bronzewing deposit and sits on the contact between mafic/ultramafic lithologies within the main south plunging Bronzewing anticline.

A comprehensive review of historical geochemical data completed by Echo identified an area of approximately 450m x 200m at Bronzewing Northeast which has not been effectively tested in limited previous drilling. Rock chip sampling returned high-grade gold mineralisation (+5g/t Au) within a larger geochemical anomaly.

Echo plans to complete five sections of RC drilling to approximately 120m with hole spacings of 60m. This will ensure sufficient coverage with the aim of identifying the source of the mineralised rock chip samples.

Once drilling is completed at Bronzewing Northeast the rig, which is capable of both RC and AC drilling, will be mobilised to drill test continuously for the remainder of the 2019 calendar year. Exciting drilling targets include Corboys, Corboys Southeast, Ashanti, Ashanti North, Mulga, Bills Find, Bills Find Northeast, Red Belly Black and Python.

On the completion of the structural review for Bronzewing and Lotus, a diamond rig will also be mobilised to test for prospective Bronzewing structural repeats.

Commenting on the commencement of drilling, Echo Managing Director and CEO Victor Rajasooriar said:

"Our AC and RC drilling has potential to add incremental ounces to enhance our already robust current four-year mine plan and support our mine development objective. The diamond drilling of the structural targets at Bronzewing and Lotus have potential to deliver transformational discoveries for Echo and we eagerly await the completion of the structural study ahead of drilling next quarter."

Further technical information for each individual target area in the 2019 drill program is provided later in this ASX announcement.

Hadrian Trend Update

Initial first pass AC drilling of the northern tenement within the Hadrian Trend ('Hadrian North') has been completed with 309 holes drilled to depths of 14m – 80m. The AC program was restricted to an area spanning 7km x 2km within the northern 3.5km of the 25km-long Hadrian Trend. The drilling intersected the targeted structures with significant quartz veining.

Hadrian North is dominated by two separate granite bodies (Figure A). Echo's initial AC program principally focused on the larger granite body which has the strongest geophysical signature. The majority of assays have been received from this drilling with no significant gold assays returned, indicating this granite body is largely unmineralised.

The eastern area of Hadrian North captures a large portion of the granite body which hosts Northern Star Resources Limited's (ASX:NST) Ramone open pit mine and it has not been effectively drill tested.

In addition to this prospective area, the majority of the potentially mineralised granite within the 20km strike length of tenements from south of Ramone to Echo's Julius deposit remains untested by drilling.

Geophysical work to interpret the structures within the granite body between Ramone and Echo's Julius deposit is nearing completion. Once completed, exploration programs will be designed and actioned, aimed at the discovery of Ramone deposit replicates.

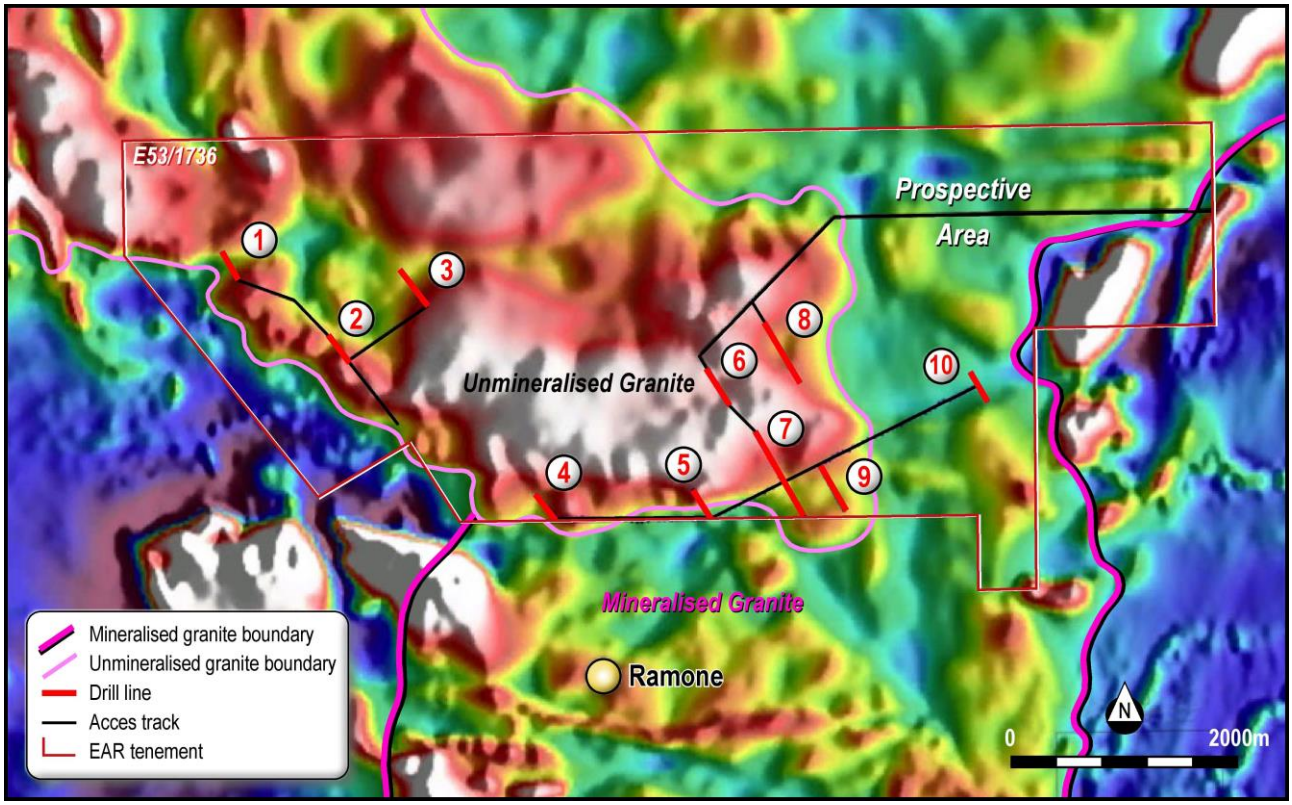

Figure A: Hadrian North

For further information:

Victor Rajasooriar
Managing Director & CEO
Echo Resources Ltd

Media inquiries
Michael Vaughan
0422 602 720

[1]See ASX Announcement "Yandal Gold Project BFS & Growth Strategy", 23 April 2019, Echo Resources Limited is not aware of any new information or data that materially affects the information included the announcement and all material assumptions and technical parameters underpinning the Bankable Feasibility Study in the announcement continue to apply and have not materially changed.

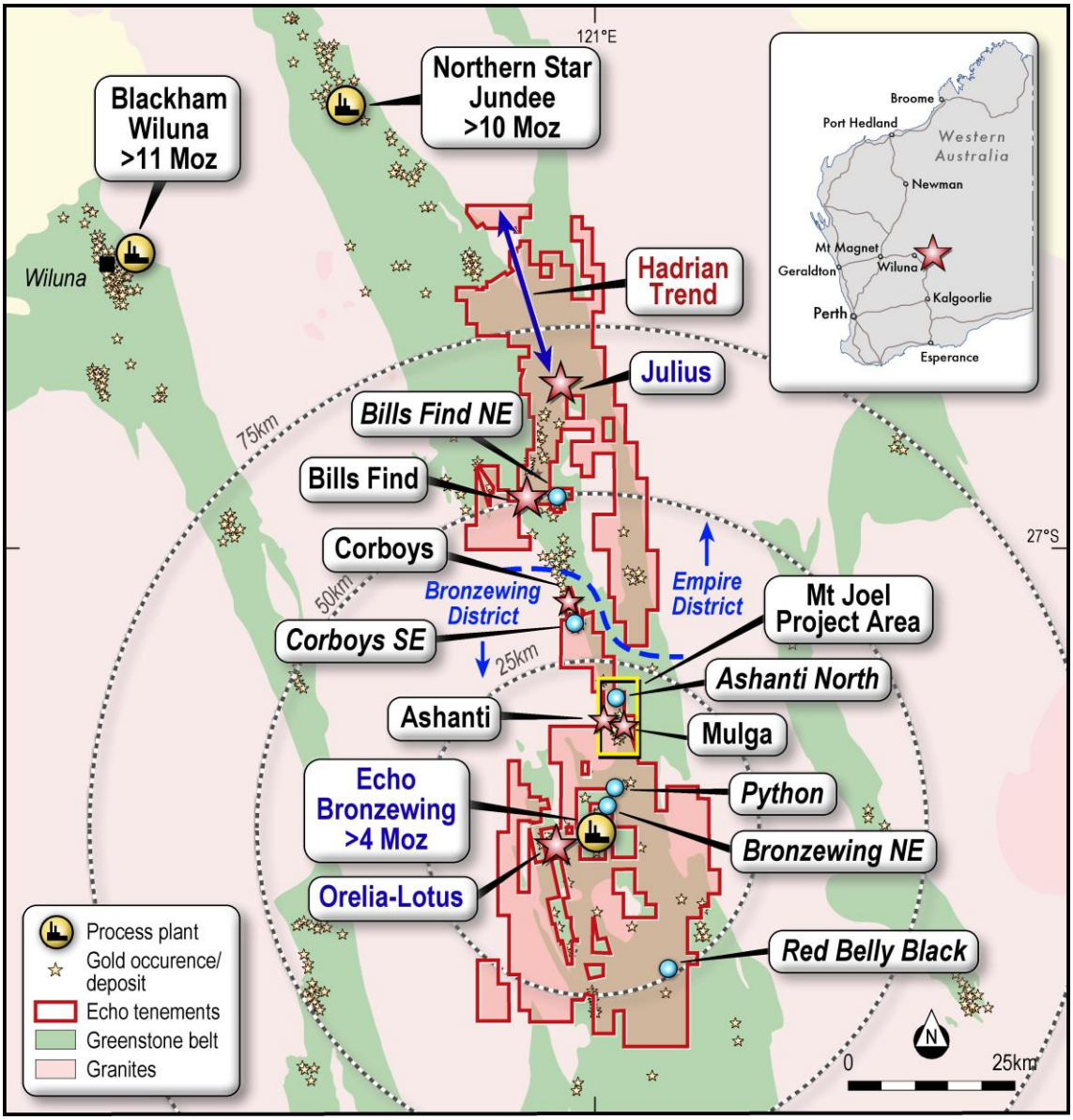

Figure 1: Echo Resources Project Locality Map

Bronzewing Northeast

The Bronzewing Northeast prospect is located 2.5km from the 2.3Moz Bronzewing mine and is located on the same north east structure as the Bronzewing deposit. This prospect sits on the contact between mafic/ultramafic lithologies within the main south plunging Bronzewing anticline.

The prospect area is locally between two north striking minor faults, which create small offsets in the ultramafic unit, these faults appear to parallel the fold axis. Regolith mapping indicates the majority of the area is covered by older colluvium but numerous rock chip samples collected by previous explorers report significant gold values of up to 6.35g/t Au.(Figure 2, for detailed results refer to Appendix 2)

The entire area is essentially outlined by a 50ppb Au contour derived from soil and lag sampling with a maximum lag value of 530ppb Au reported.

Historical drilling by Great Central Mines and Navigator focussed on the western portion of the anomaly area with the best results being:

- TWRB14: 3m @ 1.73g/t Au from 6m;
- TWRB15: 6m @ 1.07g/t Au from 25m;
- TWRB16: 9m @ 1.1g/t Au from 24m;
- GCMBWRC1554: 6m @ 1.53g/t Au from 46m;
- GCMBWRC1666: 17m @ 1.32g/t Au from 40m.

The eastern portion of the anomaly area contains 12 rock chip samples with gold contents greater than 1g/t Au up to the maximum at 6.35g/t Au. Within and around this area drilling has mainly been vertical Rotary Air Blast (RAB) holes with only three RC holes in the northern portion of the anomaly.

Previous drilling has been ineffective in explaining the mineralisation present in the rock chip samples and the broad lag and soil gold anomalism on the eastern side of the prospect area.

Echo plans to complete five sections of RC drilling to approximately 120m with hole spacings of 60m. This will ensure sufficient coverage with the aim of identifying the source of the mineralised rock chip samples.

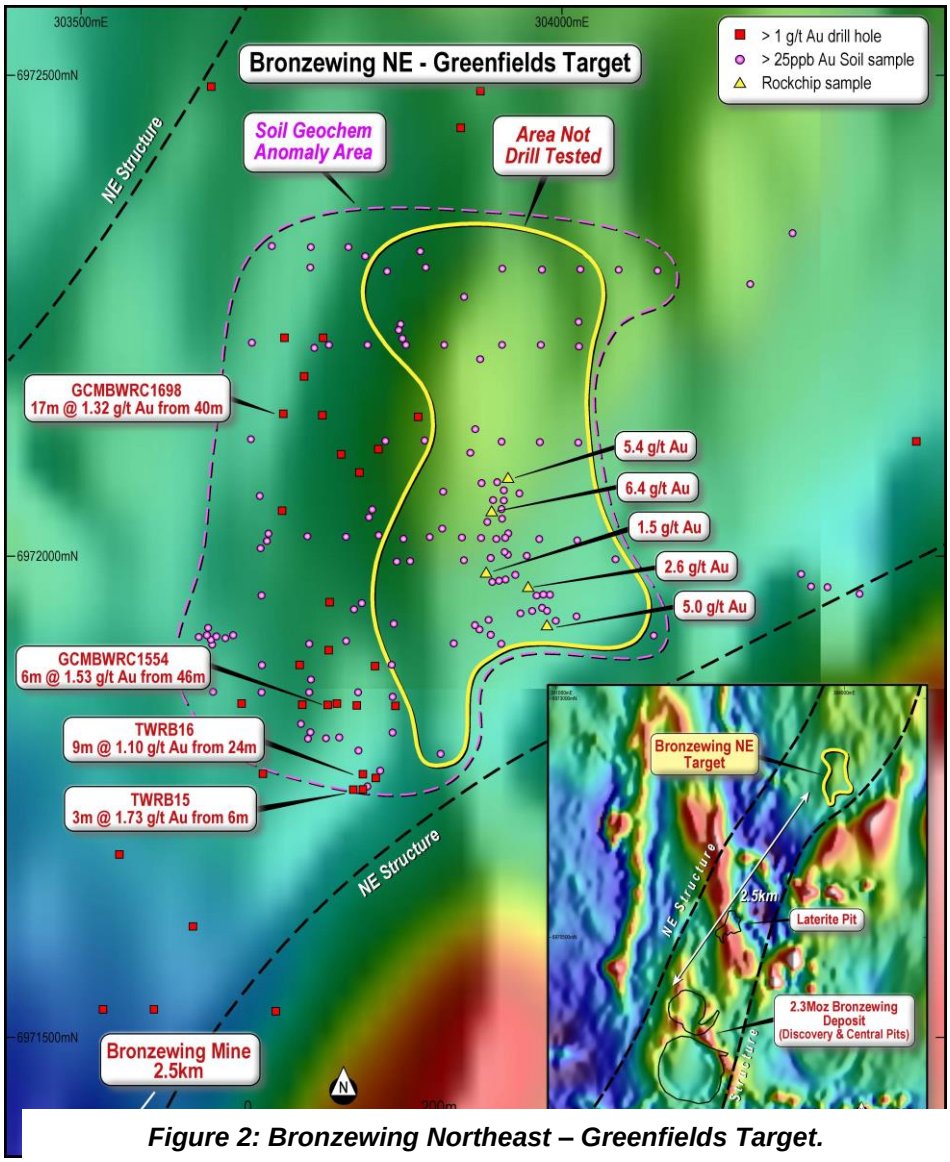

Figure 2: Bronzewing Northeast – Greenfields Target.

Corboys

Corboys is located 35km north of Bronzewing on a granted Mining Lease and was acquired by Echo during the Metaliko Resources Limited (Metaliko) acquisition in January 2017.

Metaliko drilled 83 RC holes in 2015 and released a JORC 2012 Mineral Resource Estimate of 2.14Mt at 1.82g/t Au for 125koz Au (refer announcement dated 23 April 2019 entitled "BFS - Yandal Gold Project & Growth Strategy"). The outcropping Corboys deposit (Figure 3, for detailed results refer to Appendix 2) has a strike length of 1,200m and is currently defined to 100m below surface with further potential to extend mineralisation along strike and at depth.

The Echo geological team has identified several zones where there is potential to expand and extend the mineralisation of this deposit through additional RC drilling.

At the completion of drilling, an updated Mineral Resource estimate will be completed allowing pit optimisations to be undertaken to define potential Ore Reserves. Corboys is not included in the current mine plan for the Yandal Gold Project.

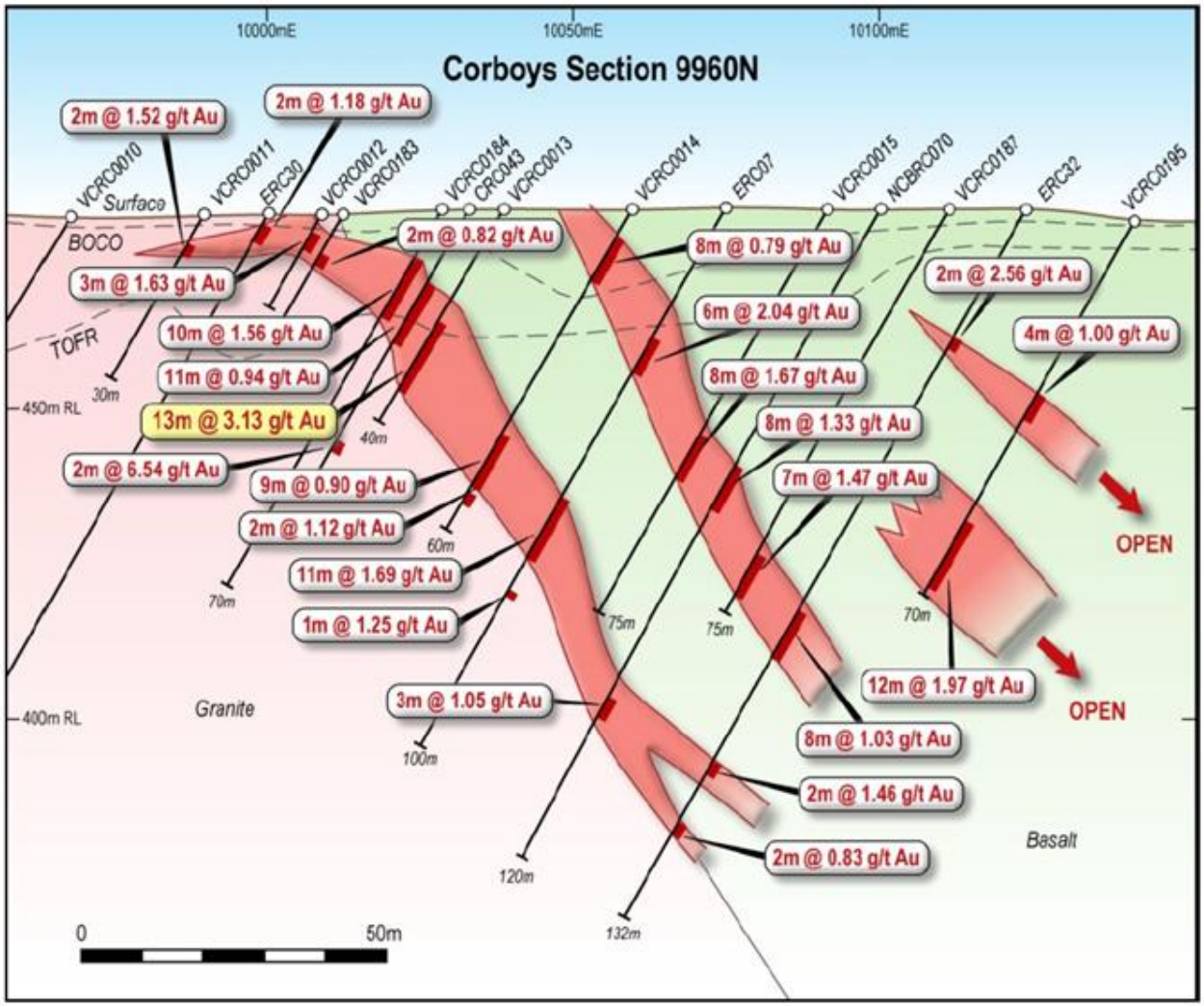

Figure 3: Corboys Cross Section 9960mN.

Corboys Southeast

The Corboys Southeast area is a zone of coherent geochemical anomalism with rockchip samples up to 88g/t Au with numerous other samples in excess of 1g/t Au and auger geochemistry up to 293ppb Au identified by the review of existing data.

The 50ppb Au contour from the auger geochemistry defines a zone 1,400m long that is located directly along strike from the similar strike length Corboys resource area which hosts 2.14Mt at 1.82g/t Au for 125Koz Au (refer to refer announcement dated 23 April 2019 entitled “BFS - Yandal Gold Project & Growth Strategy”). (Figure 4, for detailed results refer to Appendix 2).

Historical (RAB) drilling was completed to the east of the auger anomaly failing to identify any mineralisation. Twelve RC holes were completed irregularly within the 50ppb Au geochemical anomaly area where six of these RC holes intersected grades in excess of 1g/t Au and include:

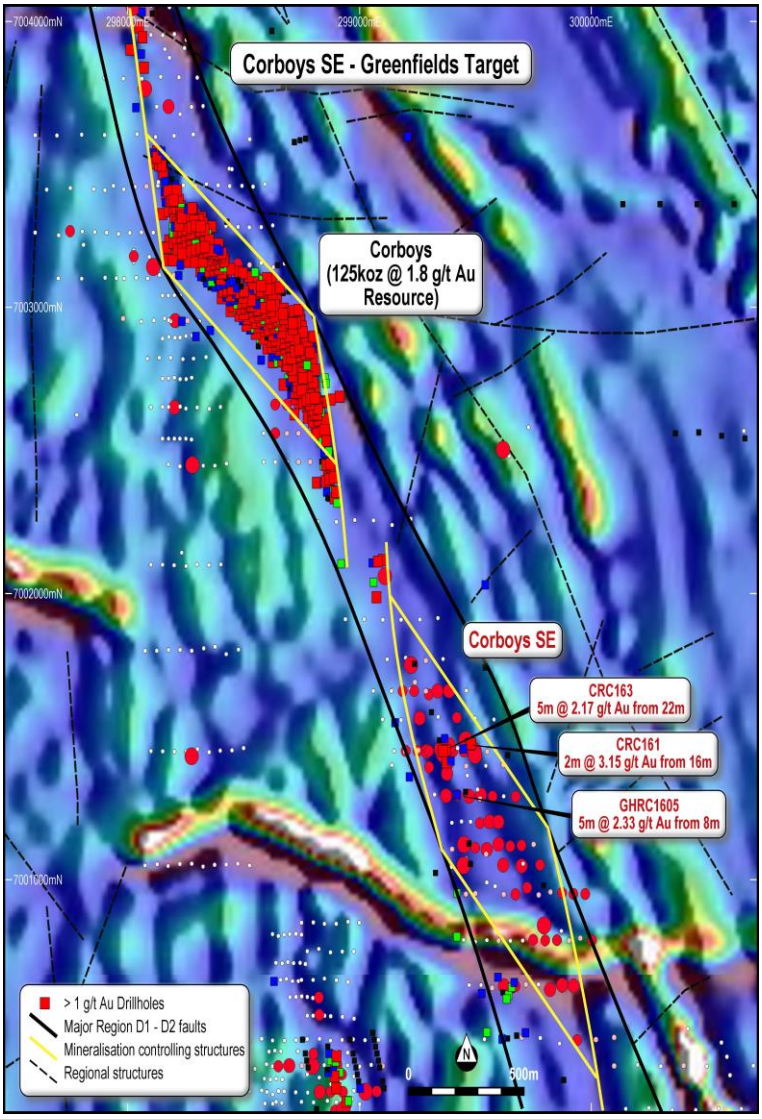

Figure 4: Corboys Southeast – Greenfields Target.

- CRC162: 2m @ 3.15g/t Au from 16m;
- CRC161: 10m @ 0.59g/t Au from 21m; including 3m @ 1.13 g/t Au from 25m;
- CRC164: 2m @ 1.06g/t Au from 33m;
- CRC163: 5m @ 2.17g/t Au from 22m;
- GHRC1605: 5m @ 2.33 g/t Au from 8m;
- GHRC1606: 1m @ 1.96g/t Au from 22m.

These intersections are consistent in character and grade with the lensoidal nature of the Corboys mineralisation to the north.

Numerous rock chip samples >1g/t Au occur outside the 50ppb Au auger contour showing it has inadequately defined the extent of the potential mineralised zone. The 50ppb Au contour is up to 15m wide and extends 950m south of the RC drilling and contains two subareas with auger geochemistry >100ppb Au; with no drilling identified within this trend.

Echo plans to carry out a RC drilling program on drill sections 200m apart with hole spacings at 40m along each section. This drilling program is designed to identify areas of stronger mineralisation and to be the focus for infill resource definition drilling.

Mt Joel (70%)

The Mount Joel Project Area is located 15km to the north of Bronzewing, part of the Yandal Gold Project (Figure 5). The Mt Joel tenements are subject to a joint venture with respected prospector Mark Creasy and Echo holds a 70% interest.

In June 2019 Echo released an updated Mt Joel JORC 2012 Mineral Resource Estimate of 1.4Mt at 2.1 g/t Au for 91,600oz Au for the Taipan, Tiger and Adder deposits (refer ASX announcement entitled “Mt Joel Mineral Resource Update” on 25 June 2019). Additional work is now planned to develop the Ashanti and Mulga deposits within the Mt Joel Project Area (Figure 5, for detailed results refer to Appendix 2).

Echo plans to conduct further drilling on these two deposits in the second half of 2019 with a view to extending the known mineralisation along strike and at depth. An updated Mineral Resource estimation will then be undertaken with the potential to add ounces to the existing 4-year mine life of the Yandal Gold Project.

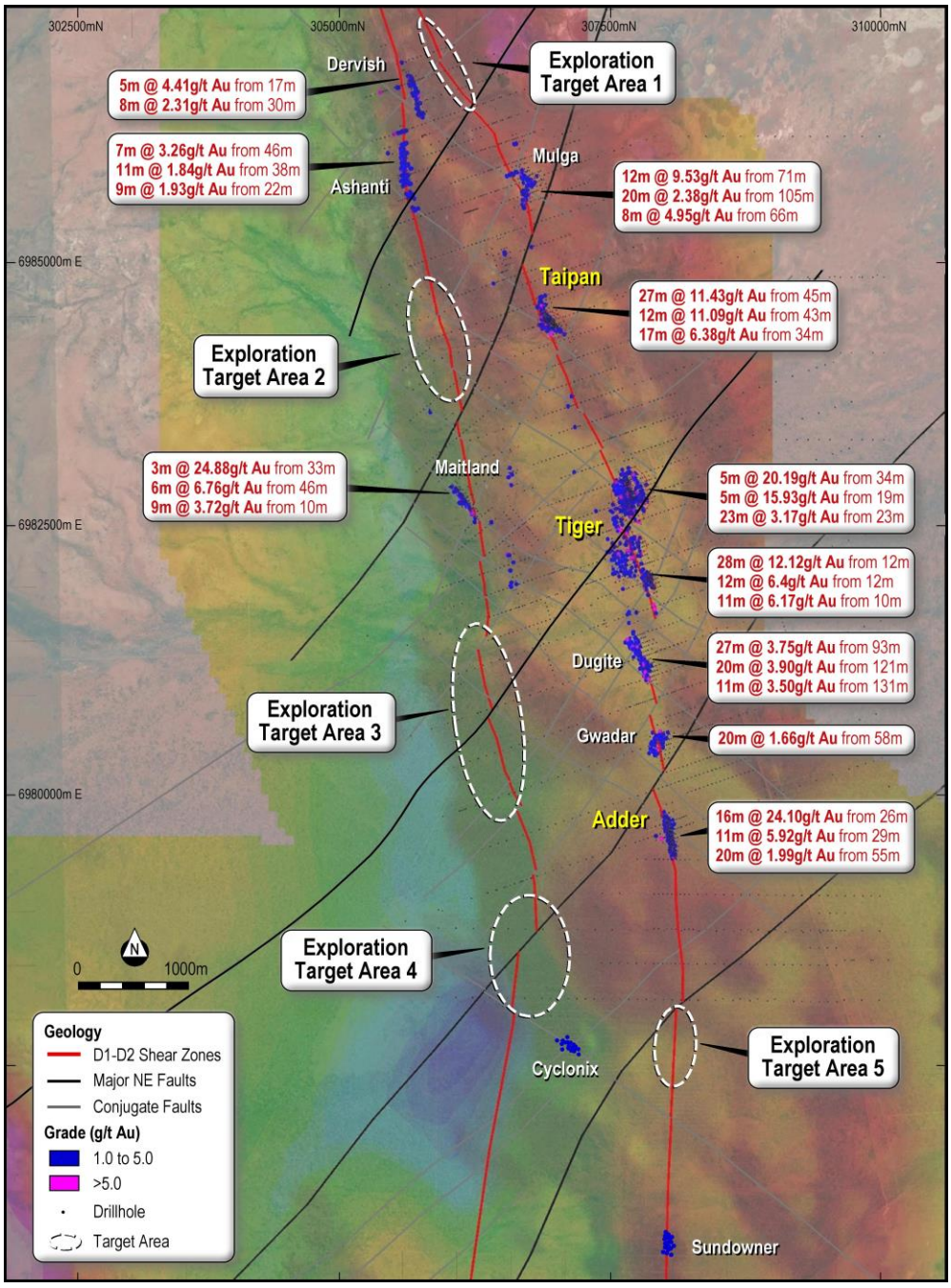

Figure 5: Mt Joel Project Area map.

Mt Joel – Ashanti Deposit

The Ashanti deposit sits on the eastern D1-D2 shear zone and is in the northern extent of the Mt Joel project area where there is little or no transported cover (Figure 5).

The Ashanti deposit has a strike length of over 750m and is open to both the north and south. The current defined mineralisation dips steeply to the east and extends from near surface down to between 50m to more than 100m below surface (Figure 6, for detailed results refer to Appendix 2).

Drilling opportunities exist to extend the mineralisation at depth and along strike to the north and south. Following drilling activities, further Mineral Resource estimation will then be performed with the potential to add gold ounces to the existing 4-year mine life of the Yandal Gold Project. The Ashanti deposit sits outside the current Yandal Gold Project mine plan.

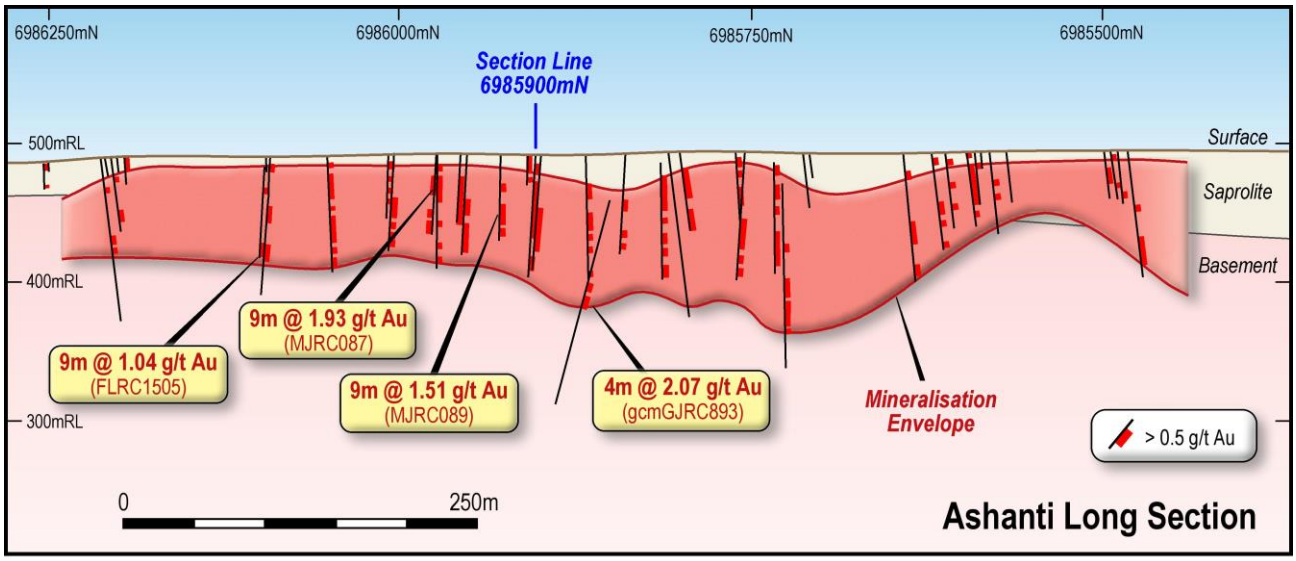

Figure 6: Mt Joel – Ashanti Long Section.

Mt Joel - Ashanti North

Ashanti North is located within the Mt Joel project area and has been defined following the review of geochemical and geophysical signatures of the area.

The Ashanti prospect extends over 650m has yielded significant gold intersections in previous drilling. Regional drilling on 400m line spacing with the first line 90m north of Ashanti shows four holes with greater than 1g/t Au intersections including gcmGJRC092: 6m @ 1.4g/t Au from 11m.

A further 400m north along the structural strike indicated by the magnetic data, drilling intersected gcmGJRC001: 3m @ 1.07g/t Au from 30m. (Figure 7, for detailed results refer to Appendix 2).

Between the two lines of drilling, a single line of soil sampling results returned very high anomalous responses.

Echo plans to complete multiple lines of RC drilling across the strike extension of the Ashanti mineralisation. Three lines of RC will be completed to the west of the Dervish mineralisation centred on the anomalous geochemical zone to test the source and the continuation of the Ashanti magnetic trend. The lines will be 80m apart with holes at 40m spacings to allow transition to resource definition if required.

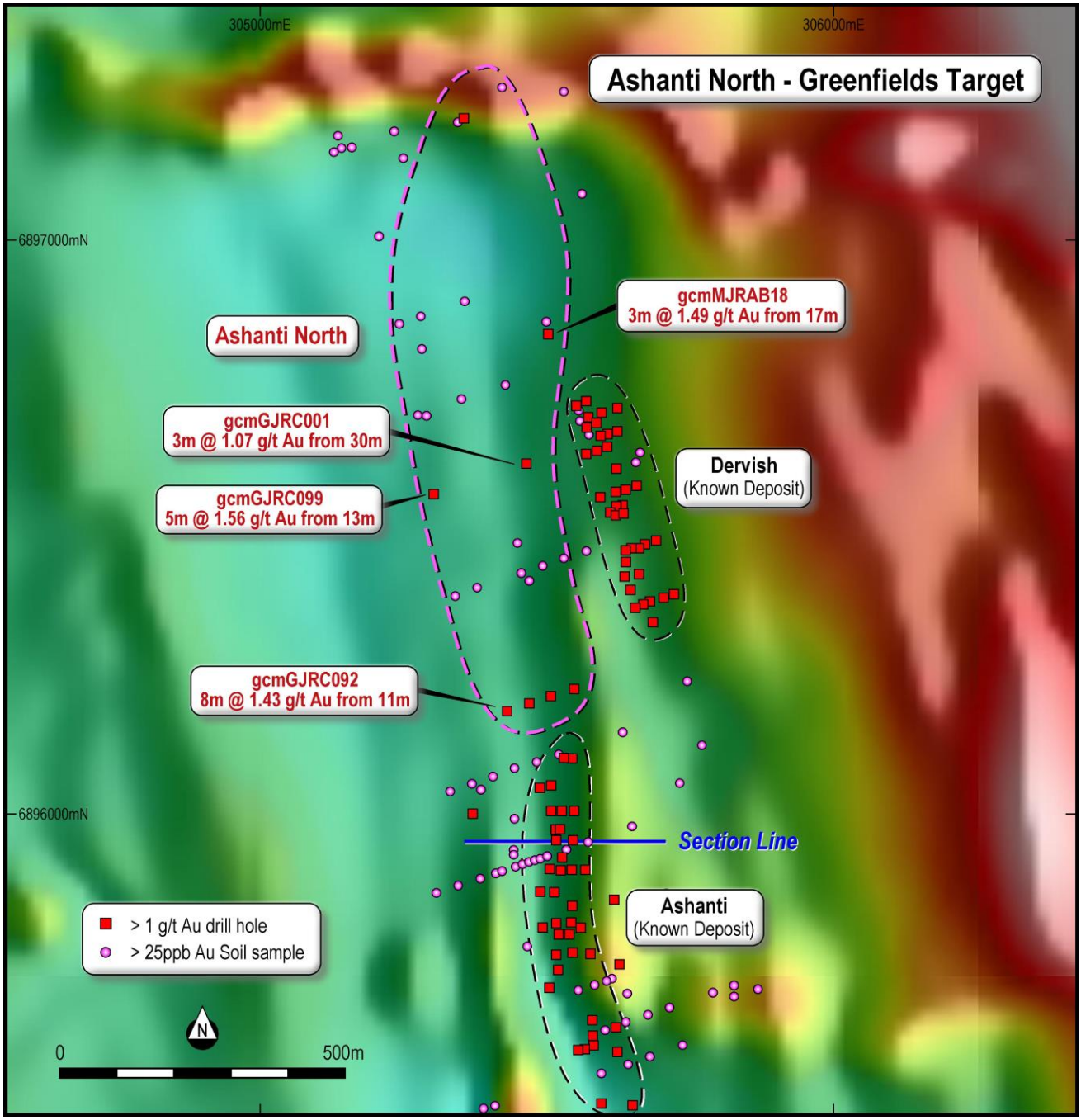

Figure 7: Ashanti North – Greenfields Target.

Mt Joel – Mulga Deposit

The Mulga deposit sits on the western D1-D2 shear zone and is the northern extent of the Mt Joel project area where there is little or no transported cover (Figure 5).

The Mulga deposit has a strike length of more than 400m and is open to both the north and south. The current defined mineralisation is represented by two lodes that steeply dip to the east and extends from near surface to between 50m and 100m below surface (Figure 8, for detailed results refer to Appendix 2).

Drilling opportunities exist to extend the mineralisation at depth and along strike to the north and south. Following drilling activities, it is planned to complete a Mineral Resource estimation for the deposit which sits outside the current mine plan.

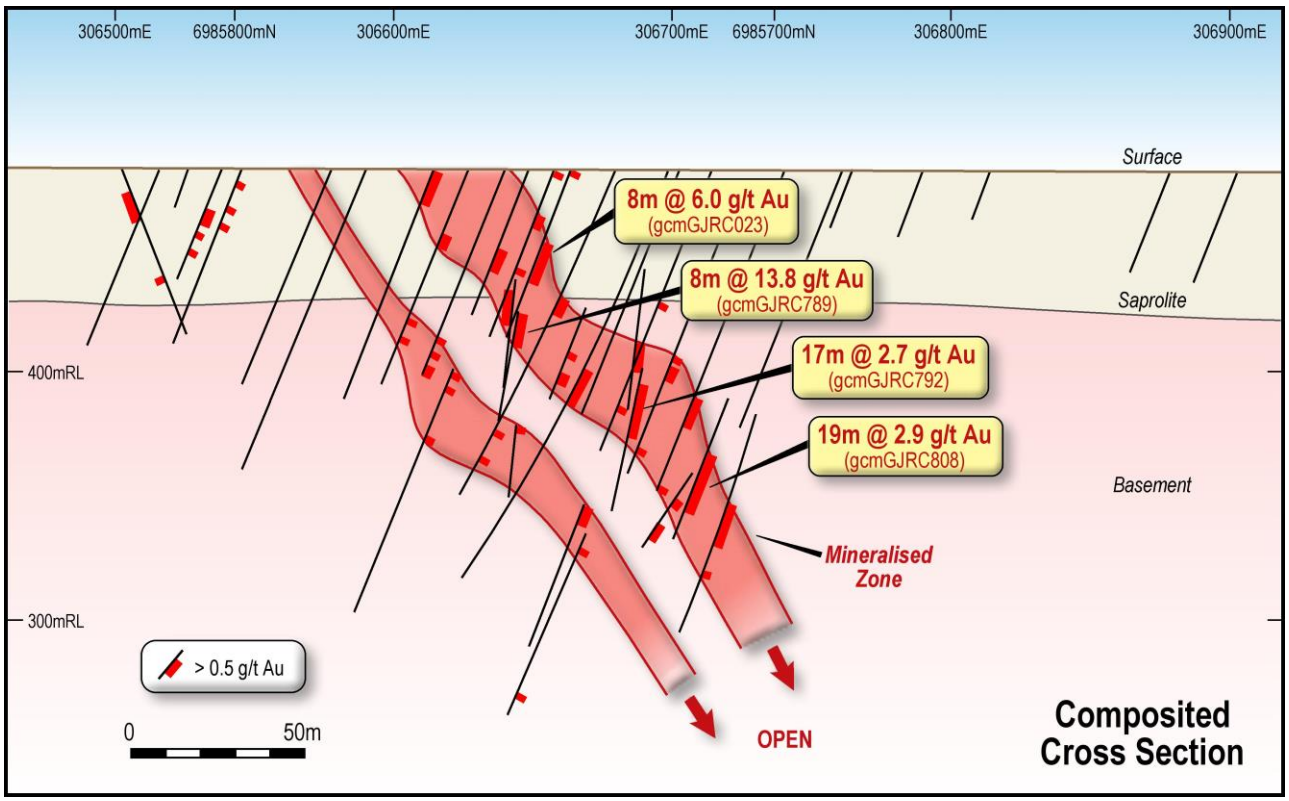

Figure 8: Mt Joel – Mulga Composited Cross Section.

Bills Find & Bills Find Northeast

Echo has conducted a review of existing data and has identified a zone adjacent to the historic Bills Find open pit with irregular anomalous geochemical responses over a strike length of approximately 2.5km. This zone is located 50km north of Bronzewing and is defined by rock chip samples up to 2.54g/t Au and soils to 203ppb Au. There is potential the zone may represent either a faulted continuation of the Bills Find mineralisation or a parallel trend. (Figure 9, for detailed results refer to Appendix 2).

Bills Find reportedly produced 187,110t @ 4.00g/t Au for 24,066oz from an open pit approximately 50m deep which was mined during the mid-1990's under the management of Wiluna Gold Mines Ltd. Non-JORC resources and intersections extend to approximately 150m below surface at a 45^{o} dip.

The aeromagnetic data show the geology and structures in the area have a strong north-easterly bias and the north-eastern structural orientation shows a strong relationship with known deposits in the northern Yandal Belt such as Northern Star's Ramone and Echo's Julius deposit. Bills Find mineralisation strikes northeast and dips to the northwest.

Exploration drilling around the Bills Find open pit is extremely limited. Echo will conduct several drill traverses to test for possible strike extensions to the Bills Find mineralisation. Furthermore, an AC drilling program consisting of 12 traverse lines 200m apart with hole spacings at 40m intervals will be drilled to test the Bills Find Northeast anomaly.

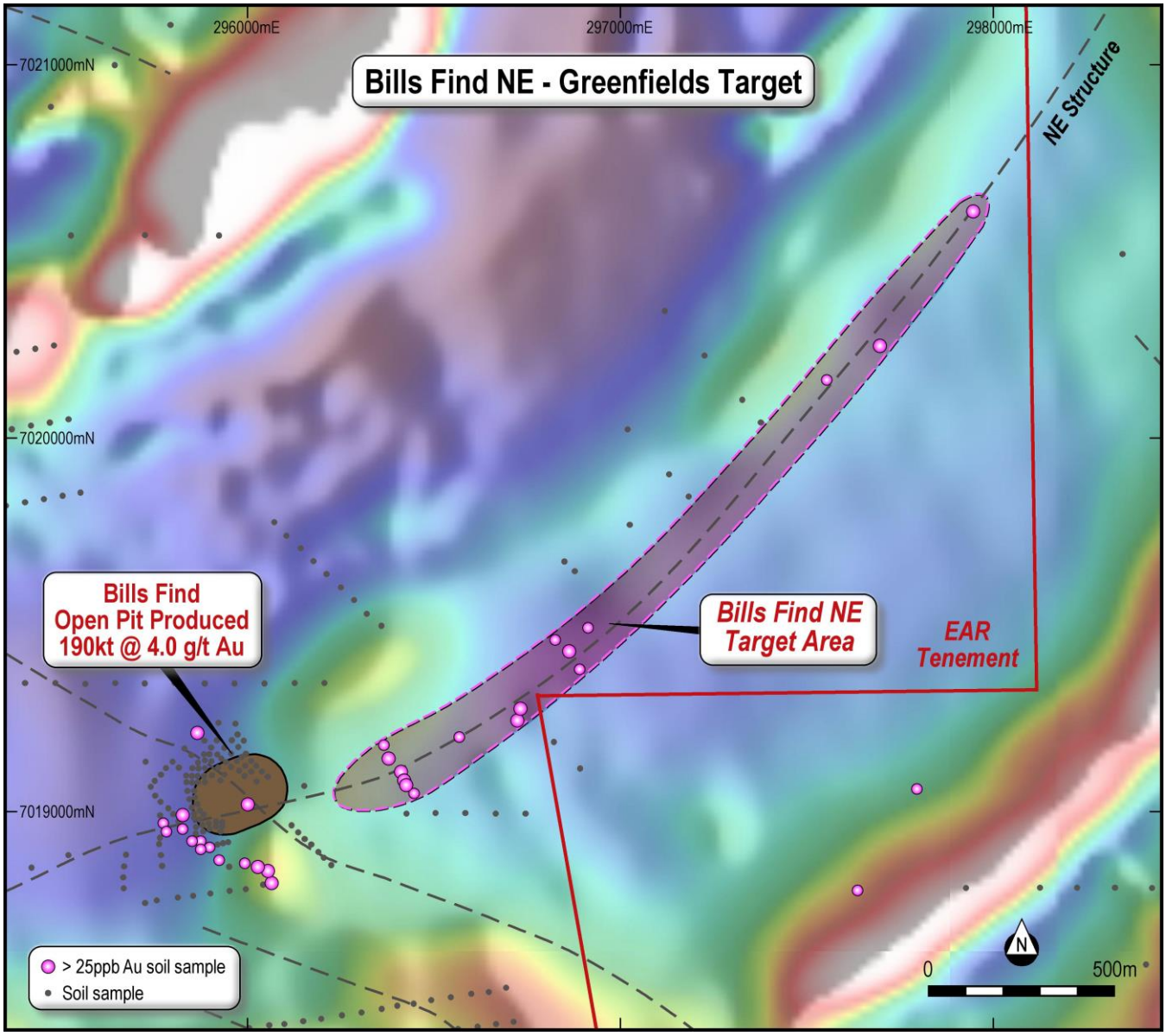

Figure 9: Bills Find Northeast – Greenfields Target.

Red Belly Black

Echo's comprehensive review of historic data across its tenement package has identified a target area based on three shallow RAB holes completed in 1993 which have not been followed up. Drilling by Dominion Mining, was spaced at 100m intervals and reported 2m @ 1.03g/t Au and 2m @ 1.99g/t Au from surface. All holes were terminated at a depth of 2m. Regolith mapping suggests the area is covered by older colluvium, possibly hiding a buried laterite profile. The nearest other drilling is 800m to the south and 400m to the north. (Figure 10, for detailed results refer to Appendix 2).

Soil and lag sampling have not identified mineralisation in the area, strongly indicating the cover is transported. Single point soil anomalies do occur 1km to the south and 600m to the north.

Echo plans to complete three lines of RC drilling depending upon ground conditions. Completion of this program is expected to identify the style and source of the surface mineralisation. Echo has retained the services of a mid-sized RC rig which can rapidly be converted to a large-scale AC drill rig should that be more suitable for the ground conditions encountered.

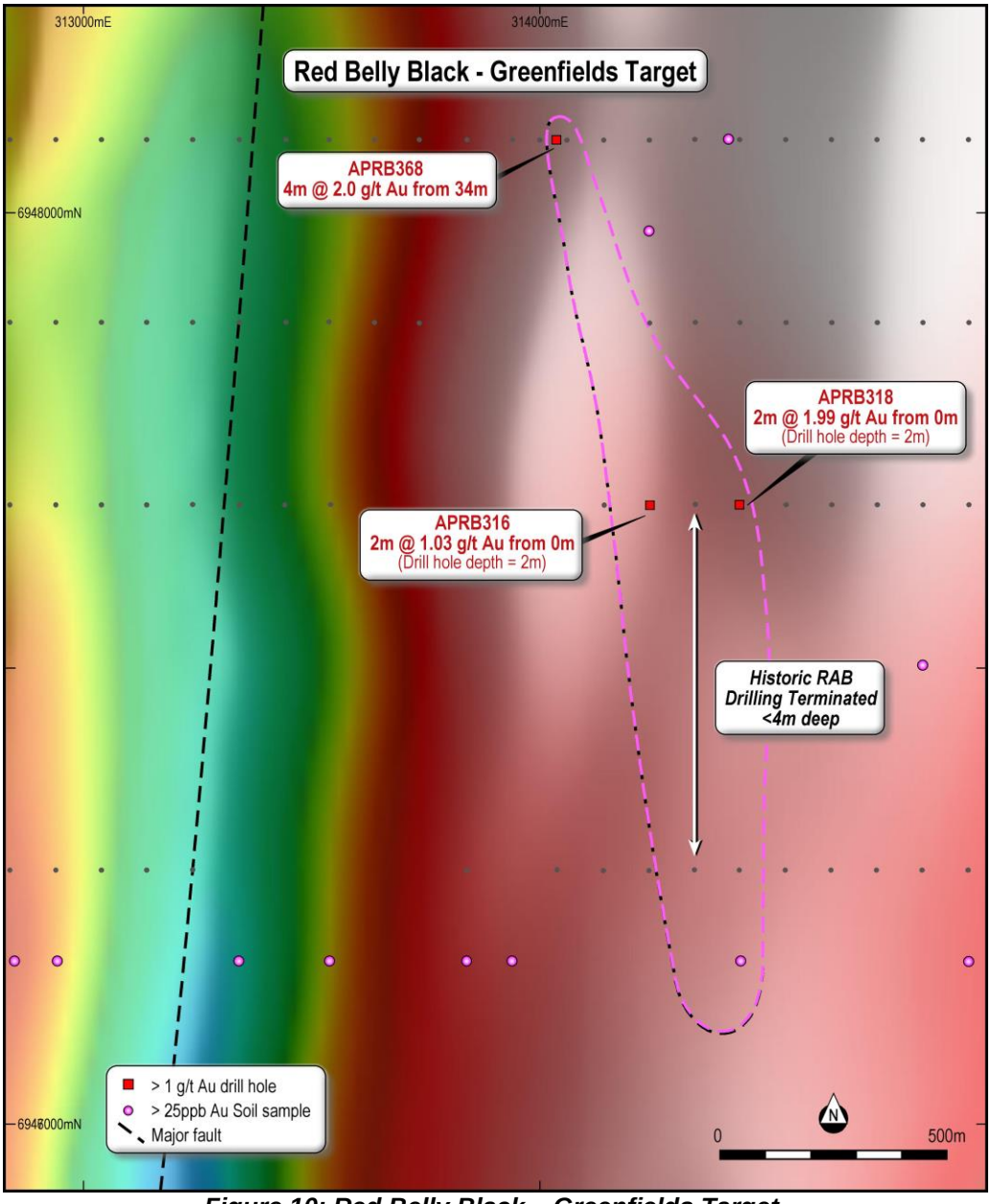

Figure 10: Red Belly Black – Greenfields Target.

Python

The Python prospect is covered by older alluvium but underlain by a mafic/ultramafic sequence with the emplacement of mineralisation probably related to the differences in ductility of the two principal rock types along the northeast limb of the south plunging Bronzewing anticline.

Mineralisation appears to strike NNW and intersects NNE features, as occurs at Mt Joel, with the main NNE feature passing through both areas. The northern area of Python is along a 700m zone of rock chip sampling with 10 samples in excess of 1g/t Au to a maximum of 19.87g/t Au. Four lines of RAB drilling were completed across the zone by View Resources with best results being:

- VRERA0063: 1m @ 1.75g/t Au from 27m;
- VRERA0064: 5m @ 0.82g/t Au from 38m, including 2m @ 1.21g/t Au from 41m. (Figure 11, for detailed results refer to Appendix 2)

The southern portion of Python has anomalous responses in soils, lag and rock chips to 0.68g/t Au over a strike of 450m which has been tested by one drill hole with the additional 450m zone between the two portions undrilled. The position is close to the contact of mafic and ultramafic units.

Echo plans to complete eight lines of AC drilling with holes at 40m intervals over this area to identify the source of the exceptional surface rock chip assays. The previous drilling was inclined to the west and was ineffective in identifying the high-grade source zone; hence most of the Echo drilling will be inclined to the east with appropriately spaced scissor holes to the west to ensure the system is being closed off at depth.

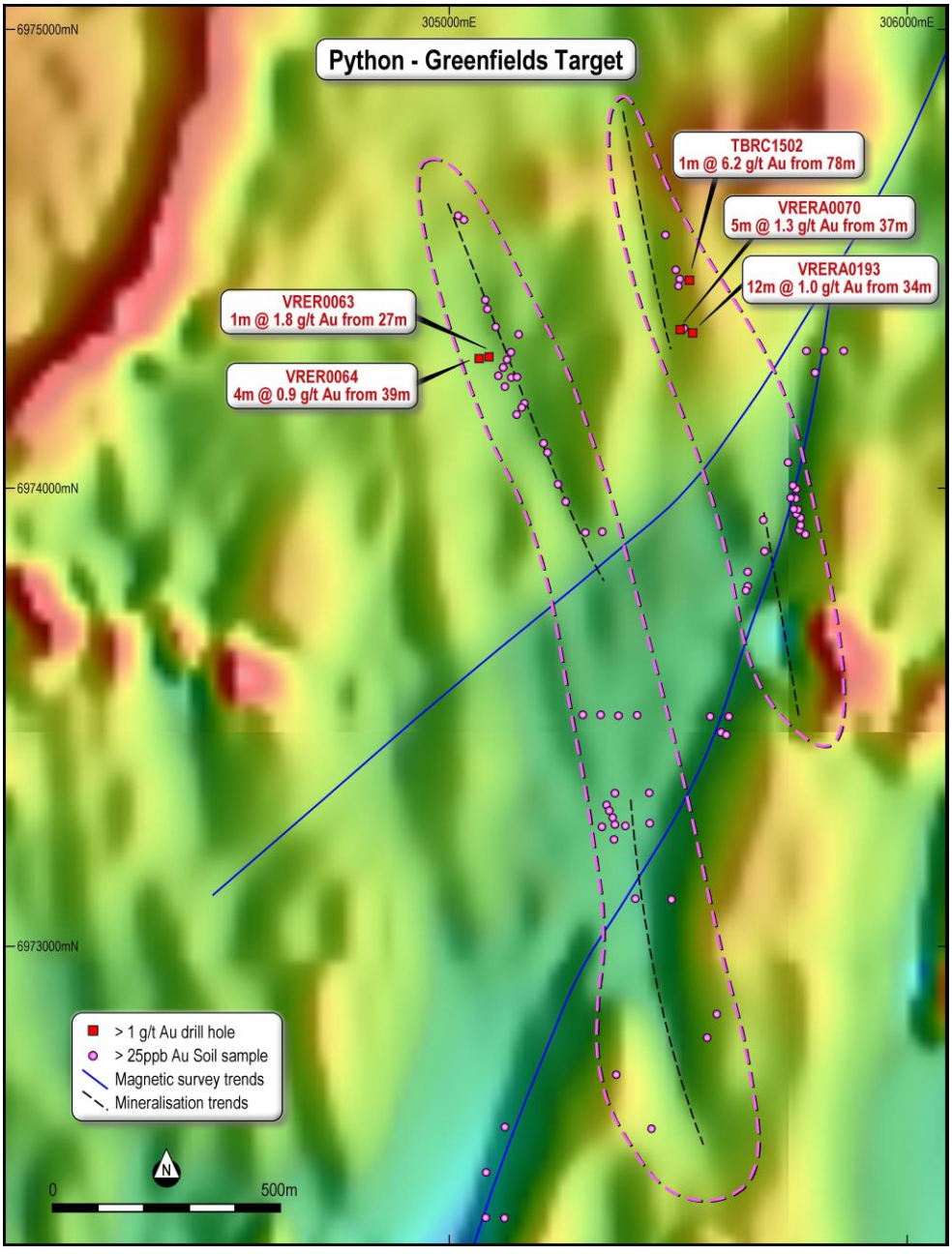

Figure 11: Python – Greenfields Target.

ABOUT ECHO

The Yandal Strategy

Echo Resources is an exploration and development Company focused on the Yandal Gold Project, which comprises over 1,600km² of contiguous and highly prospective tenements in the world class yet underexplored Yandal greenstone gold belt in Western Australia.

The Yandal greenstone belt is one of Australia's most prolific gold producing belts, hosting projects such as Jundee (Northern Star Resources), Wiluna (Blackham), Darlot (Goldfields) and Agnew (Goldfields).

The Project has existing Mineral Resources of 1.8 Million ounces and Ore Reserves of 819,000 ounces which Echo is confident it will continue to substantially expand through the application of modern exploration techniques. The application of a sophisticated multi-disciplined exploration approach, combined with modern tools and techniques which have not been used in the area, provides a significant opportunity for Echo to define new world class gold discoveries.

The Yandal Gold Project includes expansive infrastructure at the Bronzewing Processing Hub, centred around a 2.0 million tonnes per annum conventional CIL gold treatment plant. Other infrastructure includes an existing tailings storage capacity for 17.5 Mt, airstrip, roads, electricity reticulation, site administration and workshop buildings, accommodation village for 240 people, borefields and communications infrastructure. These strategic and high value assets are currently on care-and-maintenance.

The Company released an Updated Bankable Feasibility Study in April 2019 demonstrating that under conservative mining, processing and discount rate assumptions the Yandal Gold Project will generate strong cashflows and robust returns on capital with competitive operating costs and minimal pre-production capital. The Project generates an undiscounted pre-tax, free cashflow of $225 million over an initial 4-year mine life at a A$1,800/oz gold price. Average annual gold production is 95,000oz and life of mine all-in sustaining costs (AISC) are estimated at A$1,095/oz. The pre-production capital estimate is $42M (including a contingency of $3m) during the 6-month development period until the first gold pour. Capital pay back is less than 12 months from first gold production. All major permits required to commence development and mining have been received. (Refer announcement dated 23 April 2019 entitled "Yandal Gold Project BFS & Growth Strategy")

Echo's short-term vision is to build a mineral inventory that supports a robust and highly economic transition into production via the Bronzewing processing facility.

Appendix 1 - JORC Code, 2012 Edition Table 1

JORC Code, 2012 Edition Table 1 Section 1 and Section 2 as follows have been provided by Travis Craig of Echo Resources Ltd who takes Competent Person responsibility for these sections as described in this report.

Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *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.*	• The sampling techniques for the historical drilling is highly variable with sample intervals usually being between 3 and 4m composite samples collected from samples laid on the ground or collected sample bags with the composites generated either via spear sampling or splitting. Single meter samples were collected either from the original residue in the field or by collecting a one meter sample from a cyclone / splitter. • Recent sampling has consisted of 4m composites and where anomalous gold results are returned then the one meter samples were submitted to the laboratory. • Composite or single meter sample weights were usually less than 3kg. • The sampling techniques for the historical rockchip samples would have involved taking an in-situ rock sample generally less than 5kg and submitted to the laboratory. • The sampling techniques for the historical geochemistry samples were highly variable as they were conducted by various previous companies over the history of the projects. Generally, a sample varying from 100g to 1kg in mass of various size fractions was taken and submitted to the laboratory.
	• *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.*	• Historical sampling has had a highly variable QAQC procedures depending on the operator. However, these would usually include submitting regular duplicates, blanks and standards • Sampling equipment (cyclones, splitters, sampling spears) was reported as being regularly cleaned however again this is highly variable depending on the operator.
	• *Aspects of the determination of mineralisation that are Material to the Public Report.*	• The majority of the exploration results included in this report are historical and derive from multiple operators hence there is inconsistency in sample size, assay methodology and QAQC procedures along with field procedures and targeting strategy.
	• *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.*	• Historical drilling was highly variable depending on the operators with industry standard drilling methods used (RAB, Aircore, RC or diamond drilling) with sampling usually consisting of a four-meter composite sample initially assayed for the entire hole and single meter samples collected and stored on site until the assay results from the composite samples are received. • The assay sample, usually consisting of a 2 - 3kg sample were crushed, pulverised with a standard analytical technique used. • Initial samples would have been assayed via an AA determination with more recent assays from either an ICP-OEX or an ICP-MS.
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, face- sampling bit or other type, whether core is oriented and if so, by what method, etc).*	• The historical and recent drilling consisted of RAB (rotary air blast), AC (Aircore), RC (reverse circulation) or diamond drilling. Given the age of the historical drilling it is assumed that most of the RC drilling would have been done using a ≈ 125mm face sampling RC hammer. Diamond drilling was usually NQ and HQ size other than where metallurgical samples were collected where PQ was drilled.

Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *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.*	Recording the sample recovery has been very highly variable, especially for the historical RAB, AC and RC drilling. Diamond core is assumed to be generally well recorded with the recovered core compared to the drilling core blocks however the rate that this was been accurately recorded is unknown. More recent RAB, AC and RC drilling has included a visual estimate of the recovery by comparing drill chip volumes (sample bags) for individual meters. Where the recovery was poor in the recent drilling this has been recorded. Routine checks to determine the hole depth against the number of drilling rods has been undertaken. • Where wet samples occurred in the recent drilling this was noted however historical records are less accurate.
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.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	• Geological logging has been undertaken in multiple ways depending on the drilling method, the geologist logging the holes and the exploration company. Most exploration was undertaken using a company defied lithology and logging code however this was variable for each explorer. • Some of the explorers undertook geological logging directly into a logging computer / digital system while others logged onto geological logging sheets and then undertook data entry of this information. • Logging was qualitative in nature.
Sub-sampling techniques and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken.* • *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* • *For all sample types, the nature, quality and appropriateness of the sample preparation technique.* • *Quality control procedures adopted for all sub-sampling stages to maximise representivity of 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.* • *Whether sample sizes are appropriate to the grain size of the material being sampled.*	• For the historical samples there has been multiple different sampling and sub sampling techniques including core, RC samples (both composites and single meter samples, Aircore and RAB sampling (both composites and single meter samples. • Recent RC samples were collected from the drill site by spearing each 1m collection bag and compiling a 4m composite sample. Single splits were automatically taken by emptying the bulk sample bag into a riffle splitter. Samples collected in mineralisation were all dry. • No duplicate 4m composites were taken in the field, single splits were taken at time of drilling and selected for analysis once 4m composite assays are received.
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.* • *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.* • *Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.*	• Historical assay data used various laboratory techniques and laboratories. QAQC procedures are variable and additional validation work on the QAQC samples is required. • No downhole geophysical tools have been used. • Recent QC results (blanks, duplicates, standards) were in line with Industry standards with reproducibility and accuracy checked. These QAQC samples were inserted as a part of the standard sample stream and were assayed by Aqua regia with fire assay checks.

Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• Significant intersections included in this report have been checked by EAR and were composited with a minimum thickness of one meter, a 1g/t lower cut-off, no top cut, a maximum of three meters of continuous dilution and no external dilution. • No verification of surface samples was conducted. • There has been no adjustment to assay data.
Location of data points	• *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• Historical drilling was located using various survey methods and multiple grids including local grids, AMG, Latitude and Longitude. • During the Field visits EAR undertook several checks (using a Garmin hand held GPS) on historical drill holes and found that for the holes checked the collar locations have been accurately converted to MGA94 zone 51. • Recent drill collar locations were surveyed using a hand held Garmin GPS, accurate to within 3-5m. The grid system used is MGA94, Zone 51. All reported coordinates are referenced to this grid. • Topography is fairly flat, small differences in elevation between drill holes will have little effect on mineralisation widths on initial interpretation. • Historical surface samples have varied location accuracy, but they were generally surveyed using a handheld GPS. Accurate of data points is generally within 30m.
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *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.* • *Whether sample compositing has been applied.*	• Given the highly variable drilling within the project the hole spacing and depths are highly variable. The locations of the RAB, AC, RC and Diamond drilling with significant intersections are tabulated in the report (as appendices) with the holes that don't have significant intersections shown in various drilling plans and diagrams within the report. • 4m compositing has been undertaken with anomalous intersections then assayed using the single meter samples.
Orientation of data in relation to geological structure	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *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.*	• In EAR's opinion the majority of the vertical holes are ineffective due to the generally steeply dipping stratigraphy and structures and a highly variable lateritic or supergene enrichment. • Within the report several diagrams show drilling that is considered effective, that is angled holes that are greater than 20m (downhole depth). • Angled holes are routinely drilled at -60 degrees in the eastern goldfields, true widths are often calculated depending upon the geometry. In most cases the downhole widths are considered to be close to the true width.
Sample security	• *The measures taken to ensure sample security.*	• Sample security for historical samples was highly variable and dependent on the exploration company however most of the companies working in the area are considered leaders in improving the sample security, QAQC procedures and exploration procedures. • Recent exploration samples were collected on site under supervision of a geologist.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• No Audits have been undertaken.

Section 2 Reporting of Exploration Results

(Criteria in this section apply to all succeeding sections)

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.* *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.*	• Tenements M36/263, P36/1843, M53/15, M53/160, E53/1405, and E37/846 are 100% owned by Echo Resources. • Tenements M53/294, E36/578, E53/1742 and E53/1373 are 70% owned by Echo Resources. • All tenements are subject to a Net Smelter Royalty of 3%, being payable to third parties. • M53/160 is subject to an additional to further Net Smelter Royalty of 1.5%, being payable to Franco-Nevada Australia Pty Ltd. • M36/263 is subject to an additional $2 per ounce royalty payable to Wongatha Education Trust. Tenements are in good standing and no known impediments exist.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• Previous workers in the area include, among others, Eagle Mining, Wiluna Mines, Homestake Gold, Great Central Mines, Normandy Mining, Newmont, View Resources, Navigator Mining, Metaliko Resources and Maximus.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• Archaean Orogenic Gold mineralisation hosted within the Yandal Greenstone Belt, a part of the granite / greenstone terrain of the Yilgarn Craton

Drill hole Informa-tion	• *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:*
	  ○ *easting and northing of the drill hole collar*
	  ○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*
	  ○ *dip and azimuth of the hole*
	  ○ *down hole length and interception depth*
	  ○ *hole length.*
	• *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.*
		• Due to the significant number of holes within the project EAR considers listing all of the drilling is prohibitive and would not improve transparency or materiality of the report. Diagrams are shown in the report of all drilling that has been conducted within the area.
		• Significant RAB, AC, RC and Diamond drill intersections including the collar coordinates, drill hole dip and azimuth, from and to of the mineralised intervals and total drill hole depths are included in the appendices of this report.

Data aggrega-tion methods	• *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 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 assumptions used for any reporting of metal equivalent values should be clearly stated.*	• No weighting or averaging calculations were made, assays reported and compiled on the “first assay received” basis. • Significant intersections were calculated using a minimum thickness of one meter, a 1g/t lower cut-off, no top cut, a maximum of three meters of continuous dilution and no external dilution • No metal equivalent calculations were applied.

Relation-ship between mineralisa-tion 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 (e.g. 'down hole length, true width not known').*	• Given the highly variable geology and mineralisation including supergene mineralisation and structurally hosted gold mineralisation there is no project wide relationship between the widths and intercept lengths. • In general, for bedrock mineralisation angled holes, drilled at -60 degrees the downhole intersections are close to the interpreted true thickness, other than where the mineralisation is a flat lying supergene mineralisation. • Drill intercepts and true width appear to be close to each other
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.*	• The report includes multiple diagrams for the project and individual prospects.
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.*	• Significant drill intercepts are determined and tabulated in the appendices using a 1g/t cut-off with holes not having significant intersections also shown in diagrams within the report. Tables detailing the number of holes, the drill depths for various drilling methods for each of the projects is included in the various project descriptions.
Other substantive exploration data	• *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating* • *substances.*	• Corboys and Mt Joel JORC 2012 Mineral Resource Estimates are stated in Appendix 3 in this report.
Further work	• *The nature and scale of planned further work (e.g. 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.*	• Additional exploration including drilling is recommended. • Several diagrams for multiple prospects show areas of possible extensions and areas of exploration potential.

Competent Persons Statements

The information in this report that relates to Exploration Targets and Exploration Results as reported in Table 1 Section 1 and Section 2 is based on information compiled by Mr Travis Craig, a Competent Person who is a Member of the Australian Institute of Geoscientists. Mr Travis Craig is a full-time employee of Echo Resources Ltd and 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 Travis Craig consents to the inclusion in the report of the matters based on the information in the form and context in which it appears.

Appendix 2

Table 1 Detailed Results – Drilling

HoleID	Hole Type	Max Depth	NATGrid ID	NATEast	NATNorth	NATRL	From (m)	To (m)	Interval (m)	Au (g/t)
CRC043	RC	50	MGA94_51	298709.47	7002821.86	482.274	14	25	11	0.94
CRC043	RC	50	MGA94_51	298709.47	7002821.86	482.274	43	45	2	6.54
CRC161	RC	70	MGA94_51	299476.173	7001473.031	520	21	30	10	0.59
CRC162	RC	62	MGA94_51	299482.843	7001475.211	520	16	18	2	3.15
CRC163	RC	35	MGA94_51	299368.487	7001450.281	520	22	27	5	2.17
CRC164	RC	40	MGA94_51	299375.157	7001452.461	520	33	35	2	1.06
dom93APRB316	RAB	2	MGA94_51	314237.322	6947359.046	550	0	2	2	1.03
dom93APRB318	RAB	2	MGA94_51	314436.969	6947359.04	550	0	1.99	2	1.99
dom93APRB368	RAB		MGA94_51	314037.632	6948159.053	550	34	38	4	2
ERC07	RC	100	MGA94_51	298750.673	7002830.868	482.176	24	30	6	2.04
ERC07	RC	90	MGA94_51	298750.673	7002830.868	482.176	54	65	11	1.69
ERC07	RC	90	MGA94_51	298750.673	7002830.868	482.176	71	72	1	1.25
ERC30	RC	90	MGA94_51	298682.785	7002795.909	481.201	3	5	2	1.18
ERC32	RC	132	MGA94_51	298798.52	7002842.67	482.285	24	26	2	2.56
ERC32	RC	132	MGA94_51	298798.52	7002842.67	482.285	75	83	8	1.03
ERC32	RC	132	MGA94_51	298798.52	7002842.67	482.285	103	105	2	1.46
ERC32	RC	132	MGA94_51	298798.52	7002842.67	482.285	114	115	2	0.83
FLRC1505	RC	110	MGA94_51	305542.235	6986094.477	485.71	72	81	9	1.04
gcmBWRC1554	RC	96	MGA94_51	303756.378	6971844.949	499.815	46	52	6	1.53
gcmBWRC1666	RC	110	MGA94_51	303769.985	6972105.989	501.595	40	57	17	1.32
gcmGJRC001	RC	37	MGA94_51	305464.325	6986610.928	486.21	30	33	3	1.07
gcmGJRC002	RC	60	MGA94_51	305589.441	6986655.45	486.5	17	22	5	4.41
gcmGJRC023	RC	75	MGA94_51	306673.854	6985758.175	477.56	38	46	8	6
gcmGJRC072	RC	130	MGA94_51	307583.517	6982116.637	481.1	66	74	8	4.95
gcmGJRC092	RC	61	MGA94_51	305431.009	6986178.451	484.89	11	17	6	1.4
gcmGJRC099	RC	60	MGA94_51	305302.19	6986557.222	487.78	13	18	5	1.56
gcmGJRC321	RC	147	MGA94_51	307924.67	6980626.394	479.84	58	78	20	1.66
gcmGJRC503:	RC	156	MGA94_51	307811.522	6981265.35	480.97	131	142	11	3.5
gcmGJRC789	RC	120	MGA94_51	306680.959	6985802.567	477.1	71	79	8	13.8
gcmGJRC789	RC	120	MGA94_51	306680.959	6985802.567	477.1	71	83	12	9.53
gcmGJRC792	RC	160	MGA94_51	306734.255	6985789.21	477.16	108	125	17	2.7
gcmGJRC792	RC	160	MGA94_51	306734.255	6985789.21	477.16	105	125	20	2.38
gcmGJRC808	RC	170	MGA94_51	306783.38	6985751.913	476.82	137	146	19	2.9
gcmGJRC846	RC	75	MGA94_51	307586.117	6982942.021	479.32	23	46	23	3.17
gcmGJRC853:	RC	227	MGA94_51	307735.525	6981239.123	480	121	141	20	3.9
gcmGJRC893	RC	200	MGA94_51	305616.051	6985850.635	480	121	125	4	2.07
gcmGJRC945	RC	70	MGA94_51	307757.682	6982070.673	480.73	12	40	28	12.12
gcmGJRCD491:	DDH	284	MGA94_51	307730.067	6981257.23	481.21	93	120	27	3.75
gcmMJRAB18	RAB		MGA94_51	305502.089	6986837.14	490	17	20	3	1.49
gcmMRC9	RC	50	MGA94_51	306022.218	6982887.969	480	33	36	3	24.88
gcmTM3	RC	66	MGA94_51	306077.283	6982804.299	480	46	52	6	6.76
GHRC1605	RC	40	MGA94_51	299360.966	7001449.928	488.608	8	13	5	2.33
GHRC1606	RC	40	MGA94_51	299375.475	7001410.337	487.18	22	23	1	1.96

MJAC001	AC	76	MGA94_51	307804.614	6982012.051	480.487	10	21	11	6.17
MJAC007	AC	79	MGA94_51	307589.985	6982891.05	479.212	34	39	5	20.19
MJAC016	AC	81	MGA94_51	307575.669	6982968.151	478.973	19	24	5	15.93
MJAC040	AC	54	MGA94_51	305605.002	6986639.102	486.094	30	38	8	2.31
MJAC079	AC	55	MGA94_51	306825.633	6984458.441	478.873	34	51	17	6.38
MJAC129	AC	76	MGA94_51	307792.253	6982031.672	480.473	12	24	12	6.4
MJRC002	RC	75	MGA94_51	307784.795	6982047.832	480.465	10	19	9	3.72
MJRC048	RC	72	MGA94_51	306852.95	6984436.321	478.69	45	72	27	11.43
MJRC087	RC	80	MGA94_51	305522.782	6985972.03	488.483	22	31	9	1.93
MJRC087	RC	80	MGA94_51	305522.782	6985972.03	488.483	22	31	9	1.93
MJRC089	RC	90	MGA94_51	305528.342	6985926.324	487.669	42	51	9	1.51
MJRC119	RC	70	MGA94_51	307979.965	6979638.955	478.956	26	42	16	24.1
MJRC125	RC	70	MGA94_51	307972.52	6979679.61	478.871	29	40	11	5.92
MJRC127	RC	90	MGA94_51	307958.189	6979687.57	479.036	55	75	20	1.99
NCBRC070	RC	120	MGA94_51	298775.633	7002836.282	482.371	48	56	8	1.33
NCBRC070	RC	120	MGA94_51	298775.633	7002836.282	482.371	91	94	3	1.05
PBRC004	RC	80	MGA94_51	305525.156	6986003.634	489.111	46	53	7	3.26
TBRC1502	RC	100	MGA94_51	305523.913	6974452.682	488.92	78	79	1	6.2
TWRB14	RAB	31	MGA94_51	303793.245	6971757.843	503.09	6	9	3	1.73
TWRB15	RAB	42	MGA94_51	303783.79	6971757.406	502.977	25	6	31	1.07
TWRB16	RAB	35	MGA94_51	303792.997	6971773.401	503.065	24	33	9	1.1
VCRC0011	RC	30	MGA94_51	298667.208	7002810.941	480.822	5	7	2	1.52
VCRC0012	RC	30	MGA94_51	298686.517	7002815.867	481.046	3	6	3	1.63
VCRC0013	RC	40	MGA94_51	298715.261	7002823.338	482.196	21	34	13	3.13
VCRC0014	RC	60	MGA94_51	298735.555	7002828.296	482.224	5	13	8	0.79
VCRC0014	RC	60	MGA94_51	298735.555	7002828.296	482.224	42	51	9	0.9
VCRC0014	RC	60	MGA94_51	298735.555	7002828.296	482.224	53	55	2	1.12
VCRC0015	RC	75	MGA94_51	298766.626	7002835.814	482.167	42	50	8	1.67
VCRC0183	RC	20	MGA94_51	298689.601	7002816.904	481.291	5	7	2	0.82
VCRC0184	RC	70	MGA94_51	298705.598	7002820.823	481.927	9	19	10	1.56
VCRC0187	RC	75	MGA94_51	298786.04	7002840.547	482.292	64	71	7	1.47
VCRC0195	RC	70	MGA94_51	298816.437	7002845.058	480.336	31	35	4	1
VCRC0195	RC	70	MGA94_51	298816.437	7002845.058	480.336	55	67	12	1.97
VMJRC027	RC	75	MGA94_51	306838.413	6984491.33	500	43	55	12	11.09
VRERA0063	RAB	41	MGA94_51	305084.762	6974285.135	490	27	28	1	1.75
VRERA0064	RAB	58	MGA94_51	305064.514	6974283.131	492	38	43	5	0.82
VRERA0070	RAB	53	MGA94_51	305504.307	6974344.144	495	37	44	5	1.3
VRERA0193	RAB	51	MGA94_51	305532.778	6974339.151	500	34	46	12	1

Table 2 Detailed Results – Surface Sampling

SampleType	NAT Grid ID	NAT East	NAT North	Plot RL	Au ppb
ROCKCHIP	MGA94_51	305360.47	6973232.94	503.6	460
SOIL	MGA94_51	305599.47	6973130.94	498.8	270
ROCKCHIP	MGA94_51	305151.53	6974335.45	493.9	320
ROCKCHIP	MGA94_51	305587.50	6973930.94	494.5	160
ROCKCHIP	MGA94_51	305647.10	6973890.44	495.2	80
SOIL	MGA94_51	305687.50	6973929.94	494.4	25
ROCKCHIP	MGA94_51	305728.50	6974029.45	493.6	60
ROCKCHIP	MGA94_51	305738.50	6974029.45	493.6	30
ROCKCHIP	MGA94_51	299797.00	7000840.00	489.0	2080
ROCKCHIP	MGA94_51	295928.08	7018974.26	516.5	100
ROCKCHIP	MGA94_51	295827.08	7018991.26	520.0	580
ROCKCHIP	MGA94_51	296002.08	7019019.26	520.4	1120
ROCKCHIP	MGA94_51	296003.08	7019013.26	520.5	30
ROCKCHIP	MGA94_51	296741.09	7019344.26	533.1	70
ROCKCHIP	MGA94_51	296247.08	7019137.26	531.3	50
ROCKCHIP	MGA94_51	296136.08	7019070.26	530.4	50
ROCKCHIP	MGA94_51	296036.08	7019022.26	523.5	120
ROCKCHIP	MGA94_51	299620.00	7002502.00	492.0	18000
AUG	MGA94_51	305145.00	6987199.00	489.5	51
AUG	MGA94_51	305150.00	6987098.00	493.0	41
AUG	MGA94_51	305175.00	6986999.00	496.0	40

AUG	MGA94_51	305200.00	6986997.00	495.3	25
AUG	MGA94_51	305225.00	6987002.00	494.5	50
AUG	MGA94_51	305190.00	6986900.00	498.7	49
AUG	MGA94_51	305242.00	6986897.00	497.9	98
LAG	MGA94_51	305776.22	6973898.94	495.3	63
LAG	MGA94_51	305660.66	6974299.95	492.1	36
LAG	MGA94_51	305820.63	6974298.45	492.0	53
ROCKCHIP	MGA94_51	305819.82	6974068.95	492.2	62
ROCKCHIP	MGA94_51	303795.81	6972311.94	498.0	115
LAG	MGA94_51	303795.81	6972311.94	498.0	87
LAG	MGA94_51	304195.81	6972282.94	503.5	200
LAG	MGA94_51	305365.82	6972718.94	499.4	52
LAG	MGA94_51	303962.81	6972000.94	502.5	1525
ROCKCHIP	MGA94_51	303913.27	6971924.44	503.3	400
ROCKCHIP	MGA94_51	303909.31	6971928.44	503.2	430
ROCKCHIP	MGA94_51	303923.37	6971933.94	503.2	210
ROCKCHIP	MGA94_51	303925.21	6971918.94	503.4	300
ROCKCHIP	MGA94_51	303956.46	6971940.94	503.4	370
ROCKCHIP	MGA94_51	303980.68	6971960.44	503.3	2600
ROCKCHIP	MGA94_51	303973.65	6971959.44	503.3	1270
ROCKCHIP	MGA94_51	303986.68	6971960.44	503.3	1360
ROCKCHIP	MGA94_51	303978.52	6971946.44	503.6	1030
ROCKCHIP	MGA94_51	303984.49	6971943.44	503.6	5000
ROCKCHIP	MGA94_51	303968.49	6971943.44	503.5	1625
LAG	MGA94_51	303993.37	6971933.44	503.9	38
LAG	MGA94_51	304014.43	6971937.94	503.9	50
LAG	MGA94_51	303735.34	6972020.94	501.9	120
ROCKCHIP	MGA94_51	303750.96	6972078.94	501.2	44
LAG	MGA94_51	303775.34	6972020.94	502.0	200
ROCKCHIP	MGA94_51	303802.65	6972049.44	501.6	200
LAG	MGA94_51	303809.34	6972022.44	501.9	3400
ROCKCHIP	MGA94_51	303824.15	6972005.44	502.0	110
ROCKCHIP	MGA94_51	303842.06	6971994.94	502.0	200
ROCKCHIP	MGA94_51	303862.31	6972019.94	501.6	680
ROCKCHIP	MGA94_51	303875.43	6972029.44	501.6	290
LAG	MGA94_51	303895.31	6972019.44	501.9	530
LAG	MGA94_51	303915.31	6972019.44	502.0	240
LAG	MGA94_51	303925.09	6971998.94	502.3	50
LAG	MGA94_51	303931.31	6972017.94	502.0	200
LAG	MGA94_51	303922.49	6972035.94	502.0	510
ROCKCHIP	MGA94_51	303940.31	6972018.94	502.0	290
ROCKCHIP	MGA94_51	303943.37	6972022.94	502.0	750
ROCKCHIP	MGA94_51	303947.43	6972030.94	502.0	47
ROCKCHIP	MGA94_51	303966.52	6972037.44	502.0	44
ROCKCHIP	MGA94_51	303962.56	6972040.44	502.0	33
ROCKCHIP	MGA94_51	303927.81	6971973.94	502.8	970
ROCKCHIP	MGA94_51	303934.84	6971974.94	502.8	1500
ROCKCHIP	MGA94_51	303939.84	6971975.94	502.8	1050
ROCKCHIP	MGA94_51	303950.90	6971980.94	502.8	140
ROCKCHIP	MGA94_51	303942.15	6972002.94	502.3	520
ROCKCHIP	MGA94_51	303940.15	6972004.94	502.3	520
ROCKCHIP	MGA94_51	303968.37	6972022.44	502.1	75
ROCKCHIP	MGA94_51	303937.52	6972037.94	502.0	6350
ROCKCHIP	MGA94_51	303937.65	6972049.94	502.0	440
ROCKCHIP	MGA94_51	303931.65	6972048.94	502.0	630
ROCKCHIP	MGA94_51	303927.77	6972059.94	502.0	460
ROCKCHIP	MGA94_51	303934.81	6972063.94	502.0	150
LAG	MGA94_51	303915.93	6972076.44	501.6	370
LAG	MGA94_51	303931.96	6972076.94	502.0	340
ROCKCHIP	MGA94_51	303938.87	6972068.94	502.0	5400
ROCKCHIP	MGA94_51	303937.77	6972059.94	502.0	360
ROCKCHIP	MGA94_51	303954.84	6972065.94	502.0	120

LAG	MGA94_51	303975.31	6972018.44	502.2	40
LAG	MGA94_51	304015.31	6972017.94	502.2	1430
ROCKCHIP	MGA94_51	303726.21	6972102.44	500.7	53
LAG	MGA94_51	303816.43	6972120.44	500.5	120
LAG	MGA94_51	303856.43	6972119.94	500.3	75
LAG	MGA94_51	303856.43	6972119.94	500.3	980
ROCKCHIP	MGA94_51	303896.46	6972123.44	501.0	71
ROCKCHIP	MGA94_51	303904.27	6972107.44	501.2	150
LAG	MGA94_51	303909.56	6972132.44	501.2	100
LAG	MGA94_51	303976.43	6972118.44	502.0	39
ROCKCHIP	MGA94_51	303742.52	6972218.94	499.6	175
LAG	MGA94_51	303797.52	6972220.44	499.7	130
LAG	MGA94_51	303797.52	6972220.44	499.7	200
ROCKCHIP	MGA94_51	303831.77	6972240.94	499.1	1150
ROCKCHIP	MGA94_51	303830.68	6972234.94	499.3	1080
ROCKCHIP	MGA94_51	303834.59	6972225.94	499.4	160
LAG	MGA94_51	303837.52	6972219.94	499.5	79
LAG	MGA94_51	303837.52	6972219.94	499.5	215
LAG	MGA94_51	303877.52	6972219.44	499.7	59
ROCKCHIP	MGA94_51	303915.37	6972204.44	501.0	235
ROCKCHIP	MGA94_51	303911.12	6972182.44	501.1	38
LAG	MGA94_51	303937.52	6972218.94	501.6	28
LAG	MGA94_51	303937.52	6972218.94	501.6	100
LAG	MGA94_51	303977.52	6972218.44	502.0	41
LAG	MGA94_51	303977.52	6972218.44	502.0	46
LAG	MGA94_51	304016.81	6972243.94	502.0	68
ROCKCHIP	MGA94_51	304066.93	6972255.44	502.0	58
LAG	MGA94_51	303698.65	6972321.44	498.0	74
LAG	MGA94_51	303738.65	6972320.94	498.0	190
LAG	MGA94_51	303738.43	6972300.94	498.0	460
LAG	MGA94_51	303738.43	6972300.94	498.0	130
ROCKCHIP	MGA94_51	303852.62	6972316.94	498.4	180
LAG	MGA94_51	303778.65	6972320.94	498.0	84
LAG	MGA94_51	303778.65	6972320.94	498.0	65
LAG	MGA94_51	303818.37	6972295.44	498.1	290
LAG	MGA94_51	303818.37	6972295.44	498.1	160
LAG	MGA94_51	303858.43	6972299.94	498.7	100
LAG	MGA94_51	303858.43	6972299.94	498.7	59
LAG	MGA94_51	303898.09	6972269.44	499.7	38
LAG	MGA94_51	303898.09	6972269.44	499.7	140
LAG	MGA94_51	303938.40	6972298.94	500.1	48
LAG	MGA94_51	303978.40	6972298.44	500.8	110
LAG	MGA94_51	304018.40	6972297.94	501.4	26
LAG	MGA94_51	304058.40	6972297.44	501.7	37
LAG	MGA94_51	304098.40	6972296.94	502.0	35
LAG	MGA94_51	304238.84	6972335.44	504.5	465
ROCKCHIP	MGA94_51	304257.77	6971969.44	505.6	345
ROCKCHIP	MGA94_51	304247.93	6971981.44	505.1	2475
ROCKCHIP	MGA94_51	304274.77	6971968.44	505.9	170
ROCKCHIP	MGA94_51	304308.69	6971960.94	506.6	250
LAG	MGA94_51	303875.87	6972069.44	501.1	320
LAG	MGA94_51	305564.07	6972800.94	498.0	28
LAG	MGA94_51	305757.10	6973978.94	494.1	391
LAG	MGA94_51	305757.32	6973998.95	493.8	124
LAG	MGA94_51	305751.38	6974004.95	493.8	157
LAG	MGA94_51	305754.82	6973953.94	494.7	78
LAG	MGA94_51	305759.72	6973943.94	494.8	350
LAG	MGA94_51	305767.60	6973933.94	494.9	941
LAG	MGA94_51	305767.44	6973918.94	495.2	57
LAG	MGA94_51	305765.32	6973908.94	495.4	32
LAG	MGA94_51	305762.82	6973953.94	494.6	640
LAG	MGA94_51	305747.10	6973978.94	494.2	105

LAG	MGA94_51	305407.41	6973102.94	503.2	50
LAG	MGA94_51	305291.82	6973503.94	499.5	36
LAG	MGA94_51	305331.82	6973503.44	499.6	55
LAG	MGA94_51	305371.82	6973502.94	500.1	130
LAG	MGA94_51	305411.82	6973502.94	500.7	37
LAG	MGA94_51	305571.82	6973500.94	502.1	40
LAG	MGA94_51	305456.22	6973902.44	494.7	29
ROCKCHIP	MGA94_51	296322.08	7018856.26	528.8	30
ROCKCHIP	MGA94_51	295993.08	7018861.26	519.6	250
ROCKCHIP	MGA94_51	296094.08	7018815.26	520.5	50
ROCKCHIP	MGA94_51	297673.09	7020342.26	538.8	50
ROCKCHIP	MGA94_51	297529.09	7020201.26	538.9	50
ROCKCHIP	MGA94_51	297112.09	7019715.26	540.6	50
ROCKCHIP	MGA94_51	296873.09	7019575.26	532.4	50
ROCKCHIP	MGA94_51	296732.09	7019457.26	535.6	120
ROCKCHIP	MGA94_51	296028.08	7018851.26	520.1	1240
ROCKCHIP	MGA94_51	296057.08	7018838.26	520.3	18730
ROCKCHIP	MGA94_51	296067.08	7018808.26	519.5	370
SOIL	MGA94_51	295926.08	7018869.26	518.9	27
ROCKCHIP	MGA94_51	295831.08	7018932.26	520.0	120
AUG	MGA94_51	295876.08	7018919.26	520.0	47
ROCKCHIP	MGA94_51	296379.08	7019142.26	529.8	2540
ROCKCHIP	MGA94_51	296367.08	7019177.26	529.7	270
ROCKCHIP	MGA94_51	296412.08	7019105.26	529.1	850
ROCKCHIP	MGA94_51	296419.08	7019084.26	528.6	990
ROCKCHIP	MGA94_51	296425.08	7019071.26	528.2	2430
ROCKCHIP	MGA94_51	296446.08	7019047.26	527.2	230
ROCKCHIP	MGA94_51	296470.08	7019017.26	525.9	40
AUG	MGA94_51	295776.08	7018969.26	519.0	48
AUG	MGA94_51	295826.08	7018954.26	519.9	44
AUG	MGA94_51	295782.08	7018947.26	519.1	38
AUG	MGA94_51	295851.08	7018919.26	520.0	33
AUG	MGA94_51	295876.08	7018899.26	519.7	45
AUG	MGA94_51	295901.08	7018904.26	519.8	29
AUG	MGA94_51	298205.00	7002952.00	481.0	328
AUG	MGA94_51	298202.00	7002649.00	480.7	239
AUG	MGA94_51	297901.00	7004304.00	487.5	71
AUG	MGA94_51	298023.00	7004049.00	487.7	275
ROCKCHIP	MGA94_51	298234.00	7003334.00	484.0	1660
ROCKCHIP	MGA94_51	298236.00	7003335.00	484.0	70
ROCKCHIP	MGA94_51	298235.00	7003336.00	484.0	160
ROCKCHIP	MGA94_51	298226.00	7003337.00	484.0	630
ROCKCHIP	MGA94_51	298216.00	7003336.00	484.0	70
ROCKCHIP	MGA94_51	298223.00	7003335.00	484.0	8750
ROCKCHIP	MGA94_51	298222.00	7003332.00	484.0	250
ROCKCHIP	MGA94_51	298221.00	7003331.00	484.0	250
ROCKCHIP	MGA94_51	298218.00	7003326.00	484.0	22800
ROCKCHIP	MGA94_51	298223.00	7003333.00	484.0	200
ROCKCHIP	MGA94_51	298567.00	7003063.00	484.7	7490
ROCKCHIP	MGA94_51	298556.00	7003079.00	484.6	19200
ROCKCHIP	MGA94_51	298566.00	7003098.00	484.8	170
ROCKCHIP	MGA94_51	297980.00	7002960.00	480.0	120
ROCKCHIP	MGA94_51	298026.00	7003177.00	482.0	220
ROCKCHIP	MGA94_51	298074.00	7003762.00	486.0	260
ROCKCHIP	MGA94_51	298074.00	7003762.00	486.0	8510
ROCKCHIP	MGA94_51	298074.00	7003762.00	486.0	210
AUG	MGA94_51	298176.00	7003700.00	485.9	149
ROCKCHIP	MGA94_51	303742.00	6971807.00	502.8	50
AUG	MGA94_51	297751.00	7003265.00	482.0	106
AUG	MGA94_51	298199.00	7003111.00	481.6	50
ROCKCHIP	MGA94_51	298980.81	7000019.05	476.0	283
ROCKCHIP	MGA94_51	299110.00	7002060.00	488.6	1960

AUG	MGA94_51	299200.00	7001450.00	485.6	134
AUG	MGA94_51	299252.00	7001450.00	487.3	258
AUG	MGA94_51	299291.00	7001449.00	488.5	81
AUG	MGA94_51	299348.00	7001456.00	490.0	126
AUG	MGA94_51	299401.00	7001452.00	490.0	125
AUG	MGA94_51	299501.00	7001453.00	488.2	177
AUG	MGA94_51	299524.00	7001296.00	490.2	185
AUG	MGA94_51	299474.00	7001291.00	491.1	153
AUG	MGA94_51	299374.00	7001293.00	488.6	84
AUG	MGA94_51	299452.00	7001123.00	493.1	293
AUG	MGA94_51	299550.00	7001106.00	495.4	83
AUG	MGA94_51	299600.00	7001124.00	491.3	171
AUG	MGA94_51	299724.00	7000972.00	489.5	67
AUG	MGA94_51	299674.00	7000949.00	492.2	62
AUG	MGA94_51	299750.00	7000790.00	490.5	53
AUG	MGA94_51	299925.00	7000630.00	487.0	85
AUG	MGA94_51	299875.00	7000632.00	489.8	127
AUG	MGA94_51	299823.00	7000616.00	492.0	95
AUG	MGA94_51	299624.00	7000630.00	484.8	79
AUG	MGA94_51	299573.00	7000622.00	482.4	96
AUG	MGA94_51	299260.00	7001564.00	488.9	103
AUG	MGA94_51	299301.00	7001393.00	488.0	57
AUG	MGA94_51	299381.00	7001407.00	490.0	72
AUG	MGA94_51	299520.00	7001198.00	493.7	61
AUG	MGA94_51	299561.00	7001203.00	491.4	96
AUG	MGA94_51	299600.00	7001202.00	489.9	94
AUG	MGA94_51	299621.00	7001051.00	492.2	139
AUG	MGA94_51	299700.00	7001048.00	488.3	84
ROCKCHIP	MGA94_51	299223.00	7001750.00	487.3	1040
ROCKCHIP	MGA94_51	299386.00	7001467.00	490.0	1950
ROCKCHIP	MGA94_51	299254.00	7001452.00	487.4	90
ROCKCHIP	MGA94_51	299197.00	7001449.00	485.6	80
ROCKCHIP	MGA94_51	299499.00	7001435.00	488.2	11700
ROCKCHIP	MGA94_51	299450.00	7001050.00	491.9	1980
ROCKCHIP	MGA94_51	299240.00	7001690.00	487.9	110
ROCKCHIP	MGA94_51	299378.00	7001371.00	489.6	800
ROCKCHIP	MGA94_51	299361.00	7001439.00	490.0	88000
ROCKCHIP	MGA94_51	299521.00	7001282.00	490.5	90
ROCKCHIP	MGA94_51	299466.00	7001364.00	489.2	50
ROCKCHIP	MGA94_51	299473.00	7001472.00	488.9	1430
ROCKCHIP	MGA94_51	299459.00	7001488.00	489.3	3750
ROCKCHIP	MGA94_51	305562.00	6986681.00	490.4	3090
ROCKCHIP	MGA94_51	305696.00	6972546.00	500.0	30
ROCKCHIP	MGA94_51	305206.00	6987005.00	494.9	500
ROCKCHIP	MGA94_51	305072.00	6986534.00	494.3	90
ROCKCHIP	MGA94_51	305131.00	6986629.00	495.8	40
SOIL	MGA94_51	298110.00	7003140.00	481.1	126
ROCKCHIP	MGA94_51	305555.00	6986706.00	490.7	700
ROCKCHIP	MGA94_51	305570.00	6986667.00	490.1	690
ROCKCHIP	MGA94_51	305570.00	6986667.00	490.1	1710
ROCKCHIP	MGA94_51	305573.00	6986651.00	489.9	180
LAG	MGA94_51	305422.67	6987264.50	486.0	28
LAG	MGA94_51	305530.23	6987259.00	486.0	73
LAG	MGA94_51	305580.48	6987297.50	486.0	569
LAG	MGA94_51	305560.20	6987079.00	486.2	43
LAG	MGA94_51	305711.29	6987162.50	486.0	48
LAG	MGA94_51	305759.14	6987115.50	486.0	103
LAG	MGA94_51	305498.83	6986857.00	491.2	40
LAG	MGA94_51	305662.04	6986627.49	488.7	53
LAG	MGA94_51	305655.86	6986614.99	488.4	45
ROCKCHIP	MGA94_51	305828.17	6985680.49	489.6	50
LAG	MGA94_51	305772.26	6986120.99	484.0	37

SOIL	MGA94_51	305828.17	6985680.49	489.6	41
ROCKCHIP	MGA94_51	305652.00	6973814.00	497.1	270
AUG	MGA94_51	298825.00	7000589.00	479.0	134
AUG	MGA94_51	298590.00	7000121.00	478.0	52
AUG	MGA94_51	305450.00	6974650.00	492.0	33
AUG	MGA94_51	305673.00	6974550.00	491.4	31
AUG	MGA94_51	305473.00	6974549.00	492.0	94
AUG	MGA94_51	305503.00	6974454.00	492.0	647
AUG	MGA94_51	305749.00	6974451.00	492.0	27
AUG	MGA94_51	305524.00	6974350.00	492.5	31
AUG	MGA94_51	305426.00	6974345.00	493.1	38
AUG	MGA94_51	305325.00	6974351.00	492.8	64
AUG	MGA94_51	305603.00	6974251.00	492.9	32
AUG	MGA94_51	305800.00	6974250.00	492.0	70
AUG	MGA94_51	305675.00	6974149.00	492.6	27
AUG	MGA94_51	305574.00	6974499.00	492.0	29
AUG	MGA94_51	305500.00	6974401.00	492.0	26
AUG	MGA94_51	305575.00	6974300.00	492.7	39
AUG	MGA94_51	305600.00	6974025.00	494.0	32
AUG	MGA94_51	299100.00	7000350.00	476.7	63
AUG	MGA94_51	298900.00	7000352.00	478.0	315
AUG	MGA94_51	298798.00	7000349.00	478.0	948
AUG	MGA94_51	298751.00	7000351.00	478.0	82
AUG	MGA94_51	298697.00	7000351.00	478.0	309
AUG	MGA94_51	298650.00	7000349.00	478.0	143
AUG	MGA94_51	298829.00	7000259.00	478.0	483
AUG	MGA94_51	298876.00	7000260.00	478.0	230
AUG	MGA94_51	298929.00	7000259.00	478.0	196
AUG	MGA94_51	299026.00	7000260.00	477.5	1730
AUG	MGA94_51	299075.00	7000261.00	476.6	258
AUG	MGA94_51	298948.00	7000170.00	477.1	55
AUG	MGA94_51	298900.00	7000170.00	477.5	129
AUG	MGA94_51	298849.00	7000170.00	478.0	265
AUG	MGA94_51	298650.00	7000171.00	478.0	179
AUG	MGA94_51	298626.00	7000061.00	477.6	257
AUG	MGA94_51	298727.00	7000059.00	476.0	1430
AUG	MGA94_51	298827.00	7000057.00	476.0	810
AUG	MGA94_51	298876.00	7000063.00	476.1	153
AUG	MGA94_51	298926.00	7000063.00	476.0	567
AUG	MGA94_51	299029.00	7000063.00	476.0	279
AUG	MGA94_51	298827.00	7000528.00	478.6	113
AUG	MGA94_51	298801.00	7000392.00	478.0	112
AUG	MGA94_51	298865.00	7000402.00	478.0	87
AUG	MGA94_51	298925.00	7000320.00	478.0	258
ROCKCHIP	MGA94_51	298931.00	7000197.00	477.7	2260
Not Recorded	MGA94_51	303639.59	6972069.54	500.7	27
Not Recorded	MGA94_51	303685.65	6972063.03	501.1	52
Not Recorded	MGA94_51	303737.08	6972059.33	501.4	27
Not Recorded	MGA94_51	305339.21	6973068.84	503.2	28
Not Recorded	MGA94_51	305789.53	6973059.53	499.3	25
Not Recorded	MGA94_51	305487.53	6973264.75	504.0	34
Not Recorded	MGA94_51	305437.46	6973267.85	504.0	127
Not Recorded	MGA94_51	305383.48	6973262.03	503.9	70
Not Recorded	MGA94_51	305334.86	6973258.84	502.2	110
Not Recorded	MGA94_51	305290.45	6973245.95	501.5	28
Not Recorded	MGA94_51	305237.89	6973663.74	497.6	34
Not Recorded	MGA94_51	305689.04	6973860.14	496.3	235
Not Recorded	MGA94_51	305737.73	6973858.94	496.3	29
Not Recorded	MGA94_51	305741.43	6974053.64	493.4	67
Not Recorded	MGA94_51	305687.25	6974059.84	493.5	44
Not Recorded	MGA94_51	305637.13	6974066.05	493.5	25
Not Recorded	MGA94_51	305486.34	6974454.55	492.0	25

Not Recorded	MGA94_51	305237.53	6974457.04	492.0	32
ROCKCHIP	MGA94_51	305134.63	6974295.13	494.0	5263
ROCKCHIP	MGA94_51	305130.64	6974291.15	494.0	3482
ROCKCHIP	MGA94_51	305126.78	6974278.15	494.0	622
ROCKCHIP	MGA94_51	305117.57	6974262.15	494.0	146
ROCKCHIP	MGA94_51	305138.19	6974241.14	494.0	1558
ROCKCHIP	MGA94_51	305147.65	6974241.15	494.0	3318
ROCKCHIP	MGA94_51	305122.28	6974221.14	494.0	512
ROCKCHIP	MGA94_51	305098.59	6974351.15	494.0	321
ROCKCHIP	MGA94_51	305491.42	6974561.15	492.0	39
ROCKCHIP	MGA94_51	305492.76	6974562.14	492.0	29
ROCKCHIP	MGA94_51	305586.54	6974531.13	492.0	26
ROCKCHIP	MGA94_51	305159.54	6974173.15	494.0	2310
ROCKCHIP	MGA94_51	305164.77	6974184.15	494.0	3890
ROCKCHIP	MGA94_51	305206.71	6974097.15	494.0	180
ROCKCHIP	MGA94_51	305215.15	6974076.14	494.0	540
ROCKCHIP	MGA94_51	305147.59	6974159.15	494.0	580
ROCKCHIP	MGA94_51	305109.76	6974243.15	494.0	150
ROCKCHIP	MGA94_51	305102.65	6974351.15	494.0	470
ROCKCHIP	MGA94_51	305084.44	6974391.15	494.0	920
ROCKCHIP	MGA94_51	305078.75	6974409.15	493.9	3860
ROCKCHIP	MGA94_51	305236.50	6974008.15	494.2	370
ROCKCHIP	MGA94_51	305254.70	6973969.15	494.5	1540
ROCKCHIP	MGA94_51	305590.68	6974011.13	494.0	2060
ROCKCHIP	MGA94_51	305597.62	6973999.15	494.0	1170
ROCKCHIP	MGA94_51	305652.39	6973784.14	497.7	360
ROCKCHIP	MGA94_51	305648.47	6973775.14	498.0	350
ROCKCHIP	MGA94_51	305490.54	6973331.14	504.0	30
ROCKCHIP	MGA94_51	305513.72	6974347.14	492.6	6030
ROCKCHIP	MGA94_51	305543.16	6974281.14	493.2	80
ROCKCHIP	MGA94_51	305536.55	6974271.15	493.4	100
ROCKCHIP	MGA94_51	305502.76	6974442.15	492.0	660
ROCKCHIP	MGA94_51	305495.50	6974474.13	492.0	330
ROCKCHIP	MGA94_51	305476.79	6974546.15	492.0	50
ROCKCHIP	MGA94_51	305117.56	6974263.15	494.0	30
ROCKCHIP	MGA94_51	305357.52	6973279.14	502.6	690
ROCKCHIP	MGA94_51	305343.58	6973306.13	501.6	480
ROCKCHIP	MGA94_51	305350.49	6973296.13	502.0	200
ROCKCHIP	MGA94_51	305363.17	6973264.14	503.1	450
ROCKCHIP	MGA94_51	305403.79	6973174.15	504.0	40
ROCKCHIP	MGA94_51	305020.42	6974592.15	493.6	6160
ROCKCHIP	MGA94_51	305028.64	6974585.15	493.5	19870
ROCKCHIP	MGA94_51	305006.63	6974609.15	493.6	80
ROCKCHIP	MGA94_51	304987.75	6974606.15	493.8	50
ROCKCHIP	MGA94_51	305087.62	6974532.13	493.1	50
ROCKCHIP	MGA94_51	298279.42	7002448.25	482.0	5520
ROCKCHIP	MGA94_51	298275.55	7001431.23	480.0	4940
ROCKCHIP	MGA94_51	305708.71	6985862.17	487.8	1520
ROCKCHIP	MGA94_51	305468.77	6986406.19	489.5	260
ROCKCHIP	MGA94_51	305447.43	6986472.19	489.6	220
ROCKCHIP	MGA94_51	305282.41	6986811.19	499.9	170
ROCKCHIP	MGA94_51	305383.79	6986043.19	491.5	7480
ROCKCHIP	MGA94_51	305367.50	6986650.17	492.4	100
ROCKCHIP	MGA94_51	305289.66	6986694.18	495.8	170
ROCKCHIP	MGA94_51	303783.50	6971945.12	502.2	330
ROCKCHIP	MGA94_51	303774.57	6971912.14	502.6	560
ROCKCHIP	MGA94_51	303822.28	6971887.14	503.1	980
ROCKCHIP	MGA94_51	303822.80	6971854.14	503.2	1790
ROCKCHIP	MGA94_51	303823.39	6971817.14	503.6	2050
ROCKCHIP	MGA94_51	303754.55	6971811.12	502.9	260
ROCKCHIP	MGA94_51	303735.64	6971810.14	502.6	430
ROCKCHIP	MGA94_51	303728.63	6971826.13	502.2	2010

ROCKCHIP	MGA94_51	303635.34	6971912.14	501.3	42800
ROCKCHIP	MGA94_51	303824.30	6971930.14	502.6	240
ROCKCHIP	MGA94_51	303827.33	6971994.14	502.0	240
ROCKCHIP	MGA94_51	303835.06	6972018.13	501.8	420
ROCKCHIP	MGA94_51	303768.05	6971812.13	503.0	140
ROCKCHIP	MGA94_51	303757.28	6971809.14	502.9	70
ROCKCHIP	MGA94_51	303743.72	6971812.14	502.7	70
ROCKCHIP	MGA94_51	303738.23	6971817.14	502.6	170
ROCKCHIP	MGA94_51	303706.71	6971844.14	501.8	40
ROCKCHIP	MGA94_51	303701.29	6971845.14	501.8	60
ROCKCHIP	MGA94_51	303688.45	6971887.14	501.7	630
ROCKCHIP	MGA94_51	303650.16	6971915.13	501.4	550
ROCKCHIP	MGA94_51	303658.22	6971918.14	501.5	740
ROCKCHIP	MGA94_51	303659.49	6971923.12	501.5	50
ROCKCHIP	MGA94_51	303738.71	6971872.14	502.1	180
ROCKCHIP	MGA94_51	303623.11	6971916.13	501.2	7000
ROCKCHIP	MGA94_51	303631.18	6971918.13	501.3	43800
ROCKCHIP	MGA94_51	303632.41	6971926.14	501.3	6810
ROCKCHIP	MGA94_51	303640.66	6971917.14	501.4	29000
ROCKCHIP	MGA94_51	303693.14	6972017.13	501.5	450
ROCKCHIP	MGA94_51	303694.40	6972023.14	501.5	670
ROCKCHIP	MGA94_51	303788.53	6971799.14	503.5	420
ROCKCHIP	MGA94_51	303797.25	6971761.14	504.1	3720
ROCKCHIP	MGA94_51	303810.51	6971777.14	504.1	230
ROCKCHIP	MGA94_51	303873.76	6971795.14	504.3	1740
ROCKCHIP	MGA94_51	303791.52	6971951.12	502.2	170
ROCKCHIP	MGA94_51	303799.55	6972041.13	501.7	280
ROCKCHIP	MGA94_51	303932.77	6971909.14	503.6	30
ROCKCHIP	MGA94_51	303948.66	6972100.14	502.0	40
ROCKCHIP	MGA94_51	303957.42	6972059.14	502.0	40
ROCKCHIP	MGA94_51	303897.59	6971996.14	502.2	300
ROCKCHIP	MGA94_51	305446.63	6986006.17	493.4	50
ROCKCHIP	MGA94_51	305442.82	6985990.19	494.0	240
ROCKCHIP	MGA94_51	305442.33	6985935.18	493.6	170
ROCKCHIP	MGA94_51	305442.42	6985929.19	493.5	200
ROCKCHIP	MGA94_51	305449.50	6985909.17	492.9	60
ROCKCHIP	MGA94_51	305462.80	6985924.19	493.1	60
SOIL	MGA94_51	303737.56	6971859.14	502.0	35
SOIL	MGA94_51	303886.81	6971909.13	503.2	45
SOIL	MGA94_51	313036.99	6947959.04	476.0	31
SOIL	MGA94_51	313136.82	6947959.04	476.0	39
SOIL	MGA94_51	313236.65	6947959.04	476.1	25
SOIL	MGA94_51	313337.83	6947959.06	476.4	29
SOIL	MGA94_51	313437.66	6947959.05	476.7	29
SOIL	MGA94_51	313536.85	6947559.04	477.0	25
SOIL	MGA94_51	313037.22	6946359.04	468.0	27
SOIL	MGA94_51	313137.03	6946359.04	469.3	27
SOIL	MGA94_51	313336.67	6946359.03	471.3	47
SOIL	MGA94_51	313437.83	6946359.05	472.5	35
SOIL	MGA94_51	313537.65	6946359.05	474.1	41
SOIL	MGA94_51	295864.91	7019212.13	524.3	75.1
SOIL	MGA94_51	298073.92	7020762.63	540.6	118
SOIL	MGA94_51	297943.58	7020611.13	542.0	203
SOIL	MGA94_51	297758.79	7020242.13	540.0	111
SOIL	MGA94_51	296862.82	7019428.63	533.8	52
SOIL	MGA94_51	296732.47	7019277.13	531.4	47
ROCKCHIP	MGA94_51	305142.39	6987131.49	492.0	120
ROCKCHIP	MGA94_51	305161.31	6987137.96	491.4	80
ROCKCHIP	MGA94_51	305116.73	6987175.55	490.7	80
ROCKCHIP	MGA94_51	305126.19	6987178.79	490.4	90
ROCKCHIP	MGA94_51	305135.65	6987182.03	490.1	930
ROCKCHIP	MGA94_51	305129.56	6987153.52	491.3	170

ROCKCHIP	MGA94_51	305129.56	6987153.52	491.3	9090
SOIL	MGA94_51	305600.83	6985623.99	492.8	48
SOIL	MGA94_51	305637.83	6985636.99	494.0	54
SOIL	MGA94_51	305675.83	6985649.99	494.0	80
SOIL	MGA94_51	305382.83	6985887.99	493.3	28
SOIL	MGA94_51	305458.83	6985912.99	492.9	124
SOIL	MGA94_51	305496.83	6985925.99	492.3	127
SOIL	MGA94_51	305534.83	6985938.99	490.6	39
SOIL	MGA94_51	305406.83	6986064.99	490.9	30
SOIL	MGA94_51	305444.83	6986077.99	490.5	55
SOIL	MGA94_51	305482.83	6986090.99	489.8	39
SOIL	MGA94_51	305633.83	6986142.99	487.3	52
SOIL	MGA94_51	305530.83	6986444.99	488.2	76
SOIL	MGA94_51	305568.83	6986457.99	487.4	29
SOIL	MGA94_51	305275.83	6986696.00	496.1	25
SOIL	MGA94_51	305350.83	6986722.00	495.6	47
SOIL	MGA94_51	305280.83	6986867.00	498.6	37
ROCKCHIP	MGA94_51	297197.82	7019875.13	541.1	90
ROCKCHIP	MGA94_51	297533.82	7020166.13	538.6	80
ROCKCHIP	MGA94_51	305490.73	6986008.99	492.6	60
ROCKCHIP	MGA94_51	305466.45	6985767.99	490.0	800
ROCKCHIP	MGA94_51	305640.39	6985685.99	493.8	310
ROCKCHIP	MGA94_51	305570.73	6985972.99	488.2	30
ROCKCHIP	MGA94_51	305617.83	6985819.99	490.3	40
ROCKCHIP	MGA94_51	305129.54	6987153.50	491.3	17580
ROCKCHIP	MGA94_51	295899.82	7019013.13	516.2	110
ROCKCHIP	MGA94_51	295899.82	7019012.13	516.2	5120
ROCKCHIP	MGA94_51	295896.82	7019009.13	516.4	230
ROCKCHIP	MGA94_51	295887.82	7019023.13	517.2	290
ROCKCHIP	MGA94_51	305657.61	6985981.49	486.8	70
ROCKCHIP	MGA94_51	305648.17	6985977.99	486.9	180
ROCKCHIP	MGA94_51	305534.64	6985939.49	490.6	110
ROCKCHIP	MGA94_51	305506.23	6985929.49	492.0	70
ROCKCHIP	MGA94_51	305496.79	6985926.49	492.3	110
ROCKCHIP	MGA94_51	305487.33	6985922.99	492.5	290
ROCKCHIP	MGA94_51	305477.86	6985919.99	492.8	820
ROCKCHIP	MGA94_51	305468.42	6985916.49	492.9	1890
ROCKCHIP	MGA94_51	305458.95	6985913.49	492.9	320
ROCKCHIP	MGA94_51	305449.48	6985909.99	493.0	150
ROCKCHIP	MGA94_51	305430.58	6985903.49	493.0	120
ROCKCHIP	MGA94_51	305421.11	6985900.49	493.1	60
ROCKCHIP	MGA94_51	305411.64	6985896.99	493.1	180
ROCKCHIP	MGA94_51	305392.73	6985890.99	493.2	70
ROCKCHIP	MGA94_51	305373.79	6985884.49	493.3	80
ROCKCHIP	MGA94_51	305354.89	6985877.99	493.4	30
ROCKCHIP	MGA94_51	305260.26	6985845.49	494.4	30
ROCKCHIP	MGA94_51	305631.26	6985718.99	493.1	40
ROCKCHIP	MGA94_51	305621.83	6985715.49	492.7	90
ROCKCHIP	MGA94_51	305612.36	6985712.49	492.4	930
ROCKCHIP	MGA94_51	305602.89	6985708.99	492.0	430
ROCKCHIP	MGA94_51	305593.45	6985705.99	491.7	60
ROCKCHIP	MGA94_51	305583.98	6985702.49	491.4	370
ROCKCHIP	MGA94_51	305574.51	6985699.49	491.1	40
ROCKCHIP	MGA94_51	305565.04	6985695.99	490.8	50
ROCKCHIP	MGA94_51	305555.61	6985692.99	490.6	200
ROCKCHIP	MGA94_51	305536.67	6985686.49	490.3	50
ROCKCHIP	MGA94_51	305489.39	6985669.99	490.0	30
ROCKCHIP	MGA94_51	305394.76	6985637.99	490.6	30
ROCKCHIP	MGA94_51	305385.29	6985634.49	490.8	70
ROCKCHIP	MGA94_51	305746.08	6985599.49	494.0	60
ROCKCHIP	MGA94_51	305736.61	6985596.49	494.2	320
ROCKCHIP	MGA94_51	305708.23	6985586.49	494.7	40

ROCKCHIP	MGA94_51	305698.76	6985583.49	494.9	60
ROCKCHIP	MGA94_51	305689.33	6985579.99	495.0	100
ROCKCHIP	MGA94_51	305679.86	6985576.99	495.1	210
ROCKCHIP	MGA94_51	305660.95	6985570.49	495.3	30
ROCKCHIP	MGA94_51	305642.01	6985563.99	495.2	140
ROCKCHIP	MGA94_51	305632.54	6985560.49	495.0	40
ROCKCHIP	MGA94_51	305613.64	6985553.99	494.7	50
ROCKCHIP	MGA94_51	305604.17	6985550.99	494.5	30
ROCKCHIP	MGA94_51	305594.70	6985547.49	494.3	220
ROCKCHIP	MGA94_51	305585.26	6985544.49	494.1	40
ROCKCHIP	MGA94_51	305556.89	6985534.99	493.5	60
ROCKCHIP	MGA94_51	305547.42	6985531.49	493.3	120
ROCKCHIP	MGA94_51	305537.95	6985528.49	493.1	50
ROCKCHIP	MGA94_51	305528.48	6985524.99	492.9	110
ROCKCHIP	MGA94_51	305519.01	6985521.99	492.7	90
ROCKCHIP	MGA94_51	305509.58	6985518.49	492.5	50
ROCKCHIP	MGA94_51	305500.11	6985515.49	492.3	40
ROCKCHIP	MGA94_51	305481.20	6985508.99	492.0	40
ROCKCHIP	MGA94_51	305462.26	6985502.49	492.0	40
ROCKCHIP	MGA94_51	305261.98	6987199.00	488.2	60
ROCKCHIP	MGA94_51	305243.08	6987192.50	488.5	30
ROCKCHIP	MGA94_51	305224.17	6987186.00	488.7	30
ROCKCHIP	MGA94_51	305157.95	6987163.00	490.5	5440
ROCKCHIP	MGA94_51	305148.48	6987160.00	490.8	3530
ROCKCHIP	MGA94_51	305139.01	6987157.00	491.0	430
ROCKCHIP	MGA94_51	305236.36	6987243.00	488.2	40
ROCKCHIP	MGA94_51	305141.73	6987210.50	489.4	40
ROCKCHIP	MGA94_51	305132.29	6987207.50	489.6	30
ROCKCHIP	MGA94_51	305037.67	6987175.00	491.7	50
ROCKCHIP	MGA94_51	305249.83	6987142.00	489.9	410

Appendix 3 – JORC Code (2012) Tables and additional information

MINERAL RESOURCE AND ORE RESERVE ESTIMATES

MINERAL RESOURCES Resource adjusted for ownership %			MEASURED			INDICATED			INFERRED			TOTAL RESOURCES		
	Ownership	Cut of Grade	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces
	% EAR	(g/t Au)	(Mt)	(g/t Au)	(Au)	(Mt)	(g/t Au)	(Au)	(Mt)	(g/t Au)	(Au)	(Mt)	(g/t Au)	(Au)
JULIUS[1]	100%	0.8	1.8	2.1	121,140	1.8	1.3	77,313	1.5	2.0	96,743	5.2	1.8	295,196
ORELIA[1]	100%	1.0	2.8	2.6	237,000	11.2	2	732,000	1.9	1.7	101,000	15.9	2.1	1,070,000
REGIONAL[2]	100%	0.5	-	-	-	-	-	-	2.8	1.5	134,925	2.8	1.5	134,925
CORBOYS[3]	100%	1.0	-	-	-	1.7	1.8	96,992	0.5	1.8	28,739	2.2	1.8	125,731
WOORANA NORTH[4]	100%	0.5	-	-	-	0.3	1.4	13,811	-	-	-	0.3	1.4	13,811
WOORANA SOUTH[4]	100%	0.5	-	-	-	0.1	1	3,129	-	-	-	0.1	1	3,129
FAT LADY[4]	70%	0.5	-	-	-	0.7	0.9	19,669	-	-	-	0.7	0.9	19,669
MT JOEL[7]	70%	0.5	-	-	-	1.4	2.1	91,350	0.03	1.4	1,250	1.4	2.1	92,600
TOTAL MINERAL RESOURCES[6]			**4.6**	**2.4**	**358,140**	**17.2**	**1.9**	**1,034,264**	**6.7**	**1.7**	**362,657**	**28.6**	**2.0**	**1,755,061**

ORE RESERVE			PROVED			PROBABLE			TOTAL		
	Ownership	Cut of Grade	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces
	% EAR	(g/t Au)	(Mt)	(g/t Au)	(Au)	(Mt)	(g/t Au)	(Au)	(Mt)	(g/t Au)	(Au)
JULIUS (Stage 1 BFS)[5]	100%	0.8	0.8	2.3	59,887	0.2	1.7	9,183	1.0	2.2	69,070
ORELIA (Stage 1 BFS)[5]	100%	0.6	2.5	2.2	178,781	3.4	1.5	163,807	6.0	1.8	342,588
TOTAL STAGE 1 (BFS)			**3.3**	**2.2**	**238,668**	**3.6**	**1.5**	**172,991**	**6.9**	**1.8**	**411,658**
JULIUS (Stage 2 PFS)[6]	100%	0.8	0.7	1.6	38,495	0.0	1.4	2,006	0.8	1.6	40,501
ORELIA (Stage 2 PFS)[6]	100%	0.6	1.1	1.5	55,047	7.2	1.3	312,363	8.4	1.4	367,410
TOTAL STAGE 2 (PFS)			**1.9**	**1.5**	**93,542**	**7.2**	**1.3**	**314,369**	**9.1**	**1.4**	**407,911**
TOTAL ORE RESERVE			**5.2**	**2.0**	**332,210**	**10.8**	**1.4**	**487,359**	**16.0**	**1.6**	**819,569**

ROUNDING ERRORS MAY OCCUR

NOTE:

1. Resources estimated by Mr Lynn Widenbar (refer to Competent Persons Statements) in accordance with JORC Code 2012. For full Mineral Resource estimate details refer to the Echo Resources Limited announcement to ASX on 7 September 2017, 14 June 2018 and 23 April 2019. Echo Resources Limited is not aware of any new information or data that materially affects the information included in the previous announcement, and all material assumptions and technical parameters underpinning mineral resource estimates in the previous announcement continue to apply and have not materially changed.

NOTE CONT…

2. Resource estimates include Bills Find, Shady Well, Orpheus, Empire and Tipperary Well and were estimated by Golders (refer to Competent Persons Statements) in accordance with JORC Code 2004, for full details of the Mineral Resource estimates refer to the Echo Resources Limited prospectus released to ASX on 10 April 2006. This information was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported.

3. Resources estimated by HGS (refer to Competent Persons Statements) in accordance with JORC Code 2012. For full Mineral Resource estimate details refer to the Metaliko Resources Limited announcement to ASX on 23 August 2016. Echo is not aware of any new information or data that materially affects the information included in the previous announcement, and all material assumptions and technical parameters underpinning mineral resource estimates in the previous announcement continue to apply and have not materially changed.

4. Resources estimated by Coxrocks (refer to Competent Persons Statements) in accordance with JORC Code 2012. For full Mineral Resource estimate details refer to the Metaliko Resources Limited announcement to ASX on 1 September 2016. Echo is not aware of any new information or data that materially affects the information included in the previous announcement, and all material assumptions and technical parameters underpinning mineral resource estimates in the previous announcement continue to apply and have not materially changed.

5. Reserve estimated by Mr Stuart Cruickshanks (refer to Competent Persons Statements) in accordance with JORC Code 2012, for full details of the Ore Reserve estimate refer to the Echo Resources Limited announcement to ASX on 27 November 2017 and 23 April 2019. Echo Resources Limited is not aware of any new information or data that materially affects the information included in the previous announcement, and all material assumptions and technical parameters underpinning Ore Reserve estimate in the previous announcement continue to apply and have not materially changed.

6. Reserve estimated by Mr Jim Moore (refer to Competent Persons Statements) in accordance with JORC Code 2012, for full details of the Ore Reserve estimate refer to the Echo Resources Limited announcement to ASX on 23 April 2019. Echo Resources Limited is not aware of any new information or data that materially affects the information included in the previous announcement, and all material assumptions and technical parameters underpinning Ore Reserve estimate in the previous announcement continue to apply and have not materially changed.

7. Resource estimated by Haren Consulting (refer to Competent Persons Statements) in accordance with JORC Code 2012. For full details of the Mineral Resource estimates refer to the Echo Resources Limited announcement to ASX on the 25 June 2019.

8. Mineral Resources are inclusive of Ore Reserves