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GASCOYNE RESOURCES LIMITED

ASX ANNOUNCEMENT

10 July 2023

Never Never Gold Deposit – Drilling Update

LATEST ASSAYS CONTINUE TO EXPAND NEVER NEVER AHEAD OF IMPENDING RESOURCE UPGRADE

Multiple new high-grade hits outside the current 303koz Resource

Key Points:

- **Numerous outstanding intercepts from resource expansion drilling at the Never Never Gold Deposit (current MRE: 303,100oz at 4.64g/t) ahead of a key Resource update scheduled for late July. Highlights include:**
  - **DGRC1204-DT: 19.9m @ 8.12g/t Au from 451.0m down-hole[1], including:**
    - **14.7m @ 10.46g/t Au from 452.8m** *–120m below the current MRE*
  - **DGRC1191-DT: 14.4m @ 9.09g/t Au from 333.1m down-hole, including:**
    - **6.4m @ 13.64g/t Au from 337.0m** – *Outside the MRE to the south*
  - **DGDH035: 24.0m @ 6.32g/t Au from 343.0m down-hole, including:**
    - **7.0m @ 14.69g/t Au from 360.0m** – *Below and south of the deposit plunge*
  - **DGRC1199-DT: 15.0m @ 11.96g/t Au from 291.0m down-hole, including:**
    - **5.9m @ 17.19g/t Au from 299.0m** – *At margin of the current Inferred Resource*
  - **DGRC1222-DT: 14.0m @ 9.16g/t Au from 414.0m down-hole, including:**
    - **5.0m @ 15.13g/t Au from 423.0m** – *Outside & below current MRE to the north*
  - **DGRC1218-DT: 19.0m @ 6.49g/t Au from 471.0m down-hole, including:**
    - **2.0m @ 29.57g/t Au from 487.0m** – *Outside and below MRE*
  - **DGRC1213-DT: 8.6m @ 4.79g/t gold from 408.0m down-hole, including:**
    - **3.0m @ 6.97g/t Au from 408.0m** – *In the Inferred area of the current MRE*
- **Also, a further significant intercept from the high-grade gold discovery in the hanging-wall of Never Never, now named the "Ink" prospect:**
  - **DGRC1232: 3.0m @ 10.07g/t Au from 117.0m down-hole**

[1] 50g/t top-cut applied

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- **This latest "Ink" intercept supports previously reported assays up and down-dip, including:**
  - **10.0m @ 12.15g/t Au from 237.0m down-hole, including 6.0m @ 19.53g/t Au (DGRC1183-PC)**
  - **4.0m @ 24.46g/t Au from 160-m down-hole (DGRC1187-DT)**

Gascoyne Resources Limited ("**Gascoyne**" or "**Company**") (ASX: GCY) is pleased to report the latest assay results from resource and exploration drilling at the Never Never Gold Deposit and nearby surrounding areas, part of the 100%-owned Dalgaranga Gold Project in Western Australia.

Assays have been received for a further seven Reverse Circulation (RC) and 22 diamond holes (DD/RCDD) targeting extensions of the Never Never Deposit, as well as strategic drilling targeting the extremities of the mineralised system to allow the Company to finalise a key Mineral Resource Estimate ("**MRE**") upgrade, scheduled for completion by late July.

Drilling continues to provide further insights into the potential scale, significance and growth potential of the Never Never Deposit, with numerous high-grade intercepts returned outside the boundaries of the current Indicated and Inferred Mineral Resource Estimate (MRE) of 303,100 ounces at 4.64g/t Au (comprising **1.0Mt @ 2.45g/t for 86,500oz Au "Open Pit"** (>0.5g/t Au) and **0.93Mt @ 7.22g/t for 216,600oz Au "Underground"** (>2.0g/t Au)), as well as on the margins of the Inferred Resource. These results will all be incorporated into the upcoming MRE update for the Never Never Gold Deposit.

A further solid result from the emerging Hangingwall position, now referred to as the "Ink" prospect, has been received with drill-hole DGRC1232 returning 3.0m @ 10.07g/t gold. Significant assay results are summarised in the highlights above and in Figures 2 and 3, with full drill-hole details provided in Table 1.

The current phase of resource drilling at Never Never has now been completed, with assays from one diamond hole still awaited and expected to be received in the coming 1-2 weeks. Work has commenced on the MRE upgrade, with the updated MRE scheduled to be completed by late July 2023.

Management Comment

Gascoyne Managing Director and Chief Executive Officer, Simon Lawson, said: *"This round of assays continues to build confidence in the impending resource upgrade for Never Never. The final phase of resource drilling was specifically designed to target and test the extremities of the Never Never Gold Deposit system as we want to know where the edges of the high-grade system are for the upcoming MRE update to give us the best possible understanding of the scale and extent of this high-grade system right in front of our process plant.*

"Deeper drilling at Never Never has now paused while we complete the MRE upgrade. In the meantime, we have shifted our drilling focus to target other, shallower opportunities in the near-mine environment. We have been systematically working through historic drilling and resource estimation data and can confidently say that we have identified a number of new high-grade structural gold prospects which represent potential Never Never look-alikes or repeats. Two of these are located immediately south of Never Never directly underneath the Gilbey's open pit and one along strike to the north.

"These high-grade prospects sit in a very similar structural position to Never Never – perpendicular to the north-south Gilbey's stratigraphy, oriented in the same east-west direction – and they host high-silica, high-grade gold mineralisation. A small program testing the potential extension of the northernmost of the new targets has already been completed, with assays awaited. Further drill planning is underway to test both priority targets directly beneath, and adjacent to, the Gilbeys Pit during the September Quarter 2023.

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"We will provide further information on these exciting targets in the near future, once we have completed our data compilation, drill targeting and see the results from the initial follow-up drilling. We are excited by the tremendous opportunity that we see across our tenure – at the incredible Never Never Gold Deposit, at the other shallow high-grade targets we see near Gilbeys, and several other similar positions within a 2km radius of our processing infrastructure.

"We are starting to see our aggressive drilling strategy targeting high-grade gold crystallise a pipeline of exploration targets through to development-ready resources directly in front of our established infrastructure. We will continue to leverage our growing understanding across our tenure and grow potential ore sources with the drill bit."

Figure 1: *Never Never resource and extensional drilling campaign. Three rigs operating within DMIRS approved and cleared Never Never Open Pit mining footprint – June 2023.*

Never Never Drilling Update

Never Never is a new high-grade gold deposit which strikes and plunges to the west-south-west. The deposit was discovered while following up wide, high-grade drill intercepts from the earlier Gilbey's North extension discovery immediately north of the Gilbey's open pit at Dalgaranga and within 1km of the process plant.

Due to the high-grade and apparent scale of Never Never, this deposit now represents the foundation of the Company's new operating and growth plan.

Never Never is distinct from the Gilbey's North discovery due to considerable differences in tenor, thickness of mineralisation, mineralogy, scale, orientation and host structure/rock-type. Despite these differences, due to the close spatial association of the two deposits, the Never Never and Gilbey's North deposits are collectively known as the "Never Never Gold Deposit".

Never Never is much higher grade than any of the previously defined ore bodies at Dalgaranga and appears to be far more structural, fold and/or shear-hosted as opposed to the more stratigraphic/shale-associated historically defined Gilbey's series of gold deposits.

On 23 January 2023 Gascoyne released an updated Never Never Gold Deposit Mineral Resource Estimate of **303,100 ounces @ 4.64g/t gold** (comprising **1.0Mt @ 2.45g/t for 86,500oz Au "Open Pit"** (>0.5g/t Au) and **0.93Mt @ 7.22g/t for 216,600oz Au "Underground"** (>2.0g/t Au)).

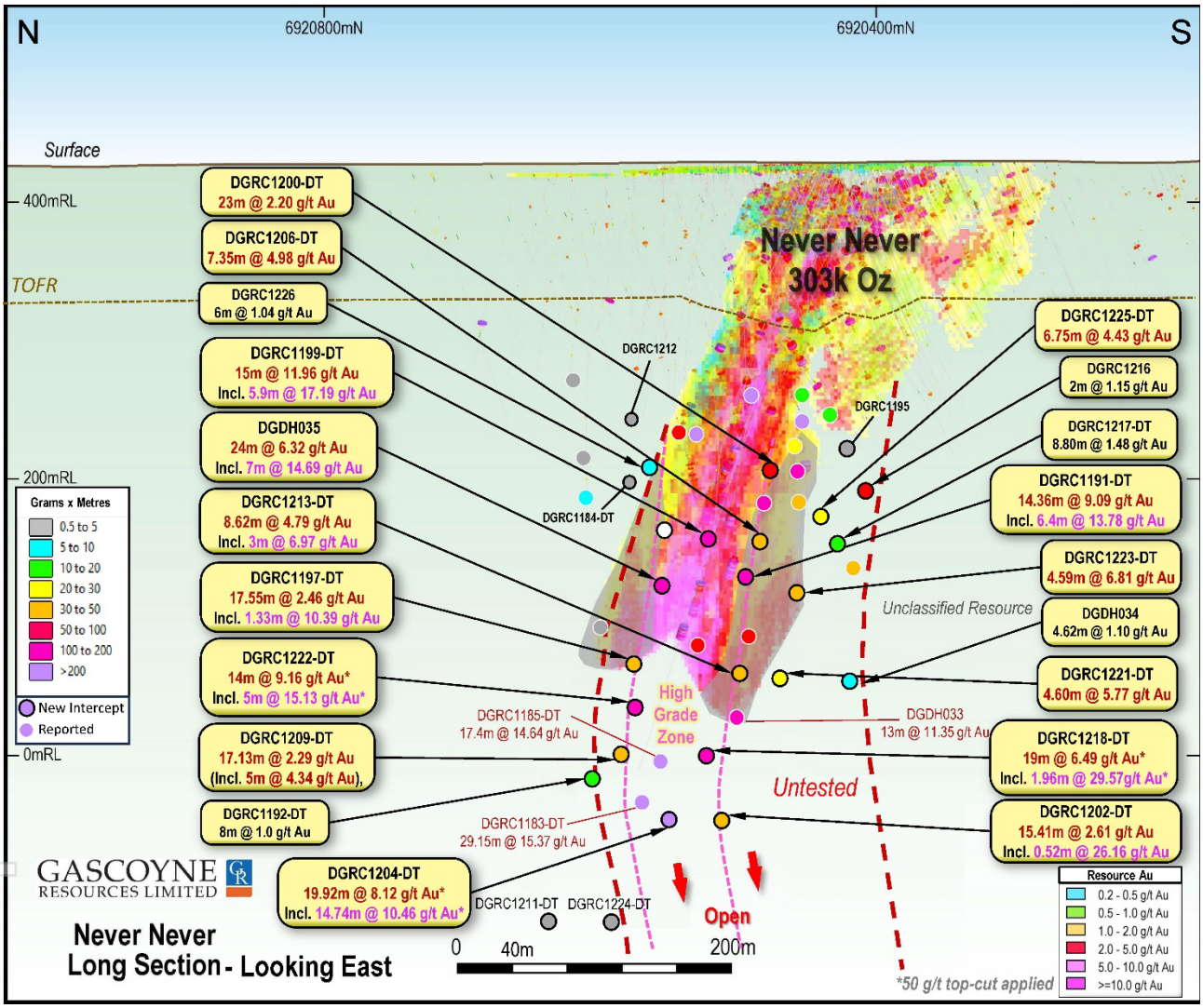

***Figure 2**: Long-section of the Never Never Gold Deposit and recent drill intercepts with current resource estimation blocks as an underlay (coloured by block grade). Holes DGRC1211-DT and DGRC1224-DT were #1 and #2 deep diamond drill-holes that swung north and beyond the Never Never structure, failing to intersect significant mineralisation.*

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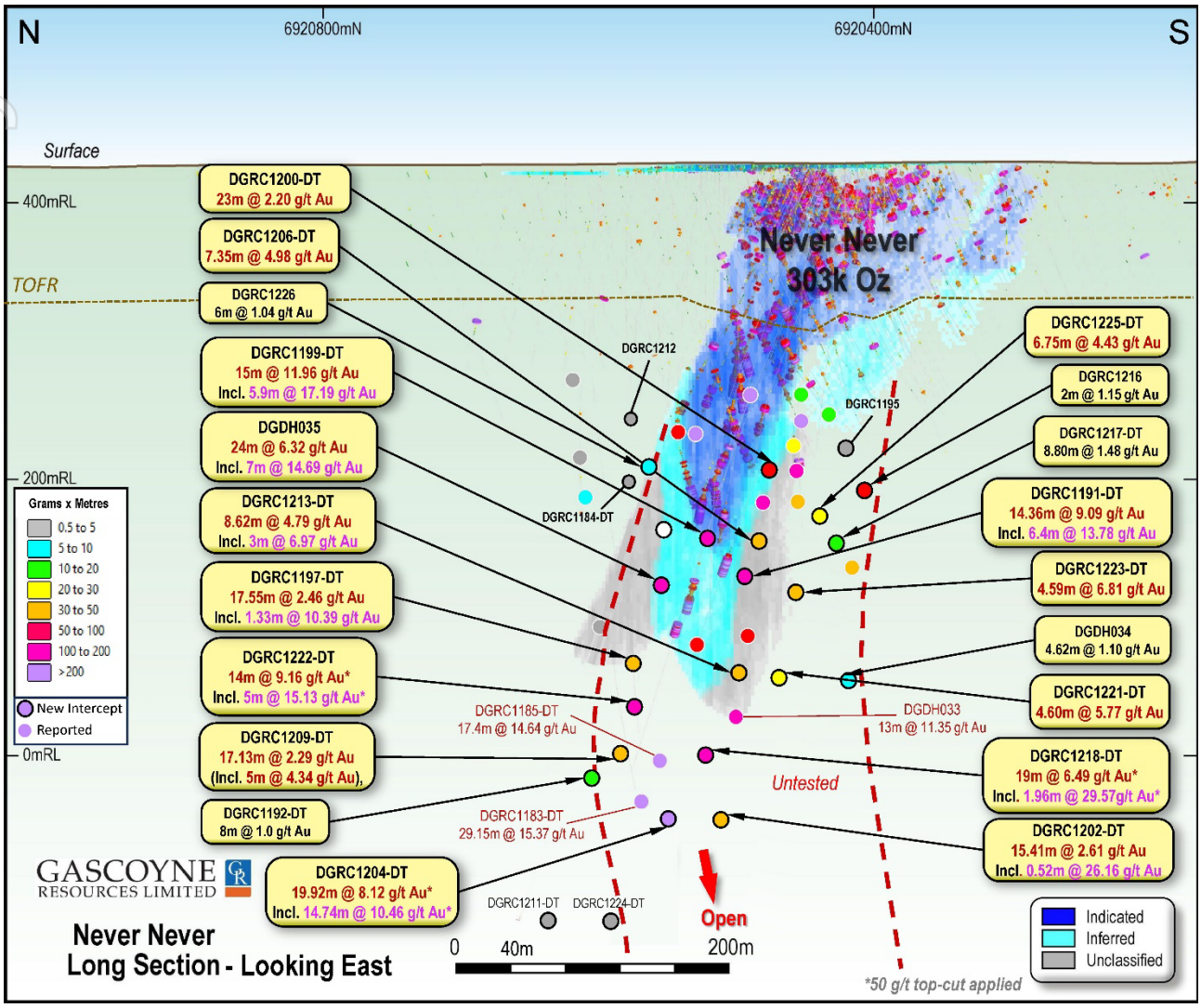

***Figure 3**: Long-section of the Never Never Gold Deposit and recent drill intercepts with current resource estimation blocks as an underlay (coloured by block classification). Holes DGRC1211-DT and DGRC1224-DT were #1 and #2 deep diamond drill-holes that swung north and beyond the Never Never structure, failing to intersect significant mineralisation.*

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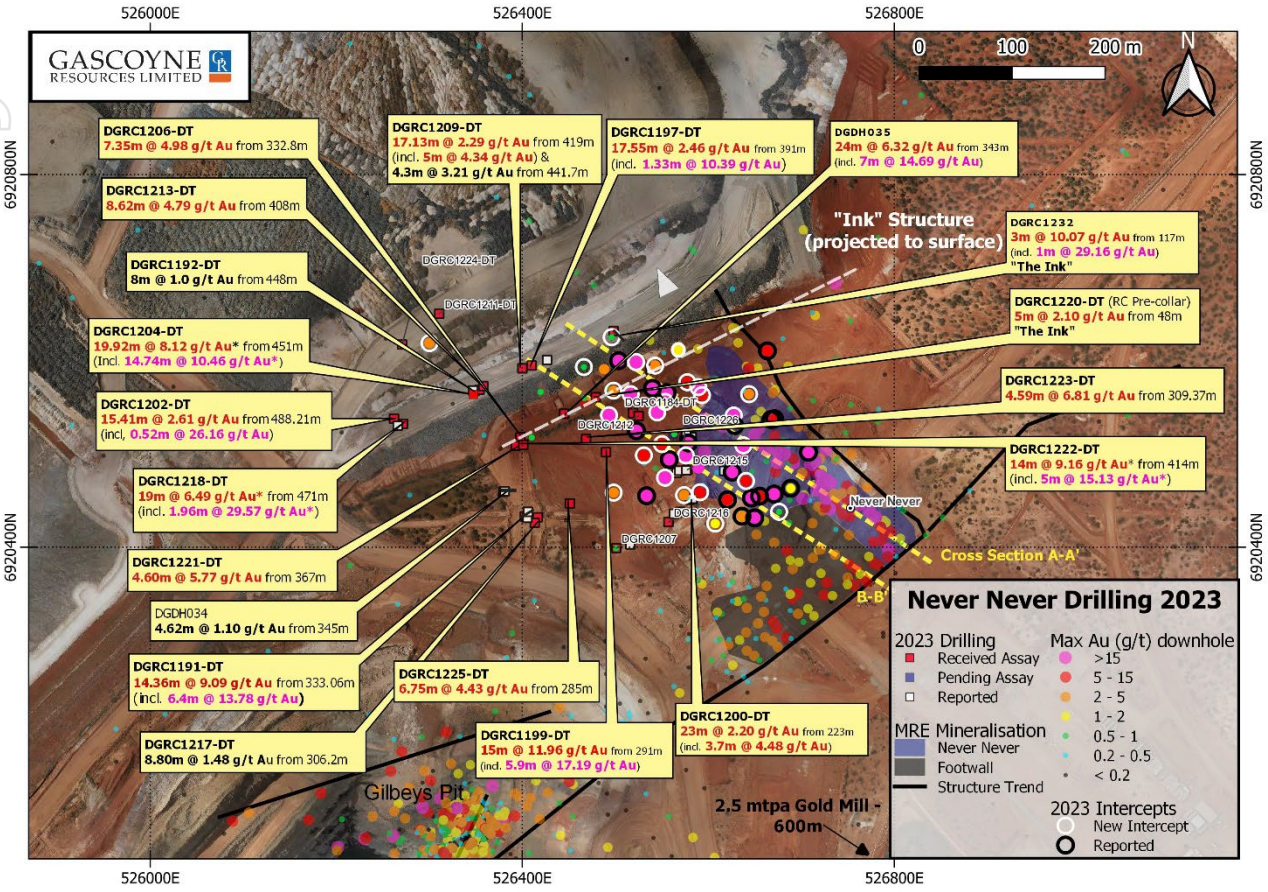

***Figure 4**: Plan view of the Never Never Gold Deposit (purple) with the plunge/strike in line with the yellow dashed section line. Further assays returned for the developing hanging-wall structure, now named the "Ink" prospect, of 3.0m @ 10.07g/t from 117m (DGRC1232) and select recent Never Never intercepts.*

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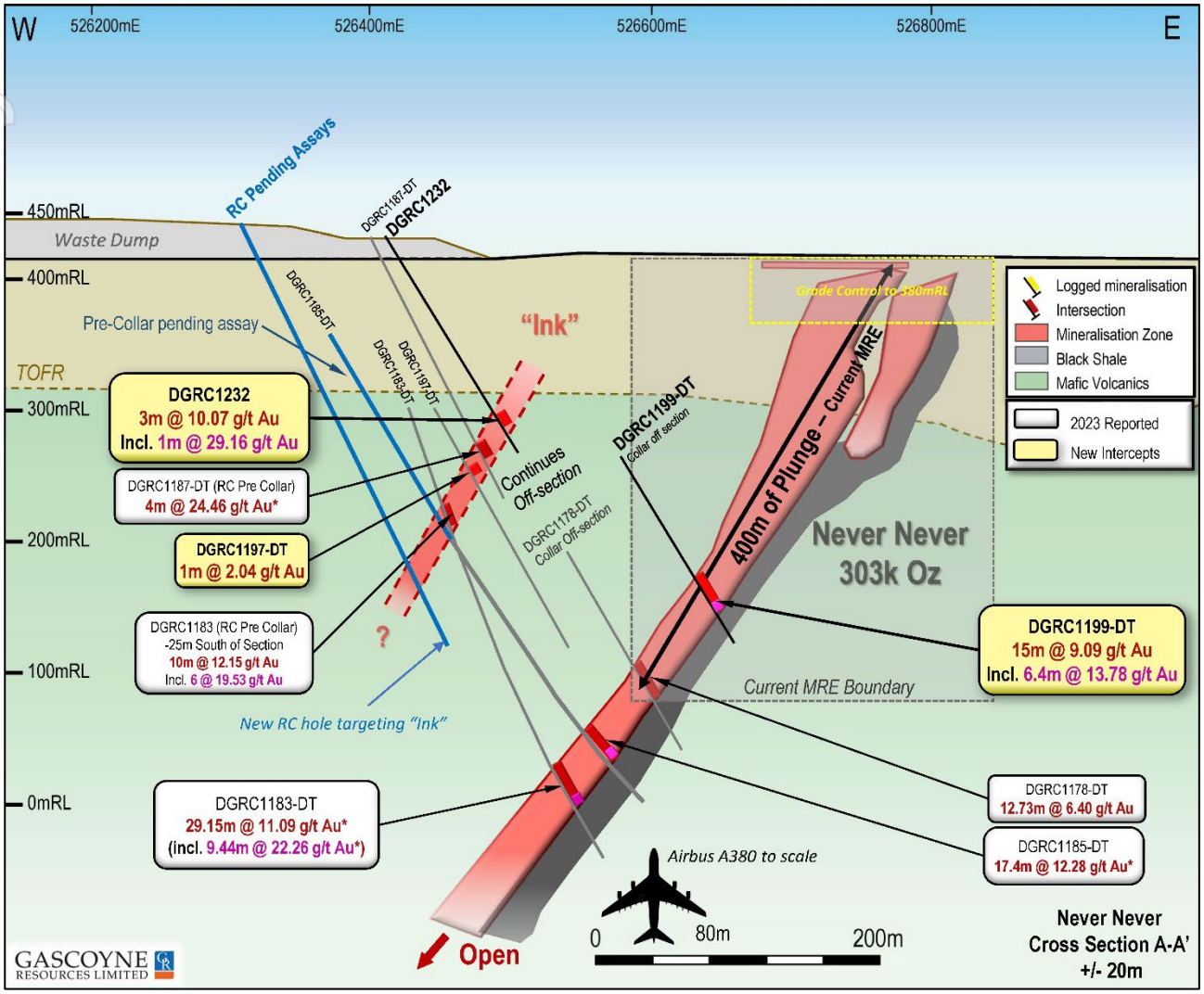

Figure 5: *Cross-section of the Never Never Gold Deposit looking north-east illustrating the Never Never Gold Deposit and DGRC1199-DT which returned 15.0m @ 9.09g/t gold in-filling and increasing resource confidence, as well as showing the developing "Ink" prospect in the hanging-wall of Never Never with another good result of 3.0m @ 10.07g/t gold.*

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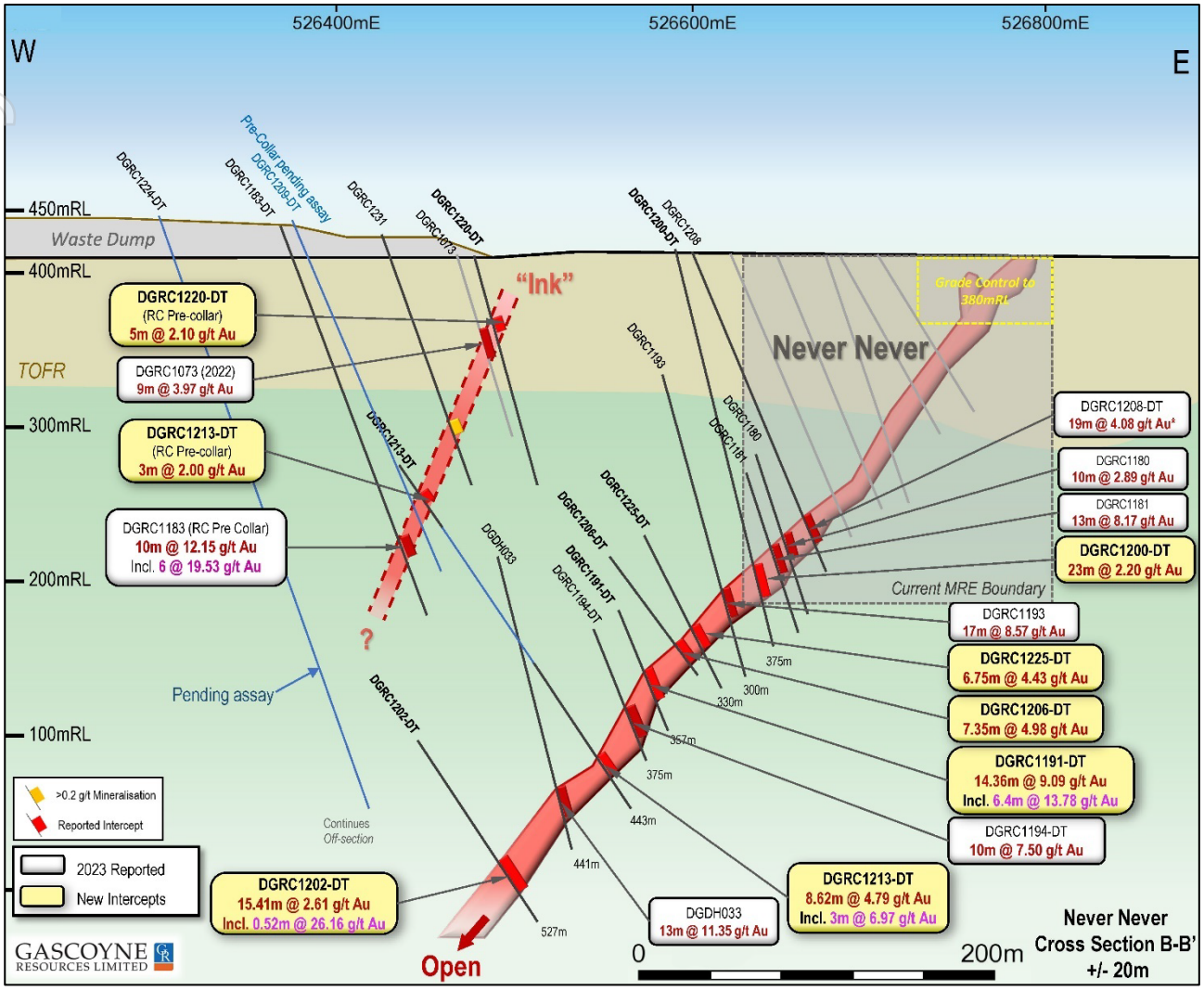

Figure 6: *Second cross-section of the Never Never Gold Deposit illustrating the strength in continuity of mineralisation and the density of drill intercepts in Never Never (recent and past announcements). Also illustrated is the "Ink" high-grade gold prospect, where continued high-grade drill intercepts and logged mineralisation is defining increasing continuity of mineralisation and confidence in this satellite high-grade prospect.*

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Drill-hole Tables

Table 1: *Drill-hole Results Table*

Hole Id	From (m)	To (m)	Interval (m)	Au g/t	Comments
Never Never Gold Deposit					
DGDH034	345.00	349.62	4.62	1.10	120m south outside MRE
DGDH035	343.00	367.00	**24.00**	**6.32**	Within Inferred Resource
Incl.	360.00	367.00	**7.00**	**14.69**	
DGRC1184-DT	70.00	77.00	7.00	0.54	RC pre collar
DGRC1191-DT	333.06	347.42	**14.36**	**9.09**	Outside Current MRE
Incl.	333.65	334.11	**0.92**	**27.57**	
& Incl.	337.00	343.40	**6.40**	**13.78**	
DGRC1192-DT	448.00	456.00	8.00	1.0.0	Outside Current MRE
DGRC1197-DT	391.00	408.55	**17.55**	**2.46**	Outside Current MRE
Incl.	395.00	396.33	**1.33**	**10.39**	
DGRC1199-DT	291.00	306.00	**15.00**	**11.96**	Edge of Indicated/ Inferred
Incl.	299.00	304.90	**5.90**	**17.19**	
DGRC1200-DT	223.00	2460.0	**23.00**	**2.20**	Edge of Inferred/Unclassified
Incl.	224.50	228.20	**3.70**	**4.68**	
DGRC1202-DT	488.21	503.62	**15.41**	**2.61**	Outside Current MRE
Incl.	488.21	488.73	**0.52**	**26.16**	
DGRC1204-DT	451.00	470.92	**19.92**	**8.12**	115m down dip of MRE 50 g/t top-cut
Incl.	452.76	467.5	**14.74**	**10.46**	
DGRC1206-DT	332.80	340.15	**7.35**	**4.98**	Outside Current MRE
DGRC1207				NSR	
DGRC1209-DT	404.00	408.70	4.7	1.28	Outside Current MRE
&	419.00	436.13	**17.13**	**2.29**	
Incl	429.00	434.00	5.00	4.34	
&	441.70	446.00	4.30	3.21	
DGRC1211-DT	552.00	553.00	1.00	0.62	North of NN structure
DGRC1212				NSR	
DGRC1213-DT	46.00	47.00	1.00	1.59	RC Pre collar
&	192.00	195.00	3.00	2.00	RC Pre Collar
&	408.00	416.62	**8.62**	**4.79**	
Incl	408.00	411.00	**3.00**	**6.97**	
DGRC1215	206.00	209.00	3.00	0.63	
DGRC1216	226.00	227.00	2.00	1.15	
DGRC1217-DT	306.20	315.00	**8.80**	**1.48**	Outside Current MRE
DGRC1218-DT	471.00	490.00	**19.00**	**6.49**	50 g/t Au top-cut applied
Incl.	487.00	488.96	**1.96**	**29.57**	50 g/t Au top-cut applied
DGRC1221-DT	367.00	371.00	**4.60**	**5.77**	Outside Current MRE
DGRC1222-DT	414.00	428.00	**14.00**	**9.16**	50 g/t Au top-cut applied
Incl	423.00	428.00	**5.00**	**15.13**	50 g/t Au top-cut applied
DGRC1223-DT	309.37	313.96	**4.59**	**6.81**	Outside Current MRE
DGRC1224-DT	83.00	84.00	1.00	3.75	RC Pre-collar
	531.3	531.76	0.44	0.8	North of NN structure
DGRC1225-DT	272.00	274.00	2.00	1.34	RC Pre-collar
&	285.00	291.75	6.75	4.42	Outside Current MRE
DGRC1226	225.00	226.00	1.00	0.82	
	242.00	243.00	1.00	1.40	
	266.00	272.00	6.00	1.04	Northern Boundary
DGRC1220-DT	48.00	53.00	**5.00**	**2.10**	RC Pre-Collar - **Ink Prospect**
&	60.00	62.00	2.00	0.94	
DGRC1231	154.00	155.00	1.00	0.59	**Ink Prospect**
DGRC1232	117.00	120.00	**3.00**	**10.07**	**Ink Prospect**
Incl.	117.00	118.00	**1.00**	**29.16**	

0.5 g/t lower cut-off, maximum 3m internal waste for significant intercepts

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Table 2: *Drill-hole Collar Table*

Hole Id	Drill Type	Target	EOH Depth (m)	MGA Easting	MGA Northing	RL (m)	Azi	Dip
DGDH034	DD	NN	436.80	526403	6920433	426	67	-75
DGDH035	DD	NN	380.00	526445	6920543	424	89	-62
DGRC1184-DT	RCDD	NN	309.20	526519	6920544	425	70	-59
DGRC1191-DT	RCDD	NN	357.30	526417	6920432	426	62	-60
DGRC1192-DT	RCDD	NN	522.00	526349	6920568	434	75	-64
DGRC1197-DT	RCDD	NN	462.10	526410	6920595	434	94	-62
DGRC1199-DT	RCDD	NN	340.80	526490	6920502	424	79	-63
DGRC1200-DT	RCDD	NN	290.80	526580	6920451	425	60	-72
DGRC1202-DT	RCDD	NN	527.11	526262	6920538	434	75	-60
DGRC1204-DT	RCDD	NN	480.00	526354	6920569	434	77	-66
DGRC1206-DT	RCDD	NN	358.50	526398	6920518	425	88	-55
DGRC1207	RC	NN	276.00	526501	6920399	425	45	-72
DGRC1209-DT	RCDD	NN	462.00	526400	6920592	434	81	-67
DGRC1211-DT	RCDD	NN	610.00	526311	6920651	444	90	-70
DGRC1212	RC	NN	264.00	526525	6920541	425	73	-54
DGRC1213-DT	RCDD	NN	443.60	526358	6920573	434	92	-64
DGRC1215	RC	NN	246.00	526578	6920483	425	109	-58
DGRC1216	RC	NN	276.00	526557	6920427	425	90	-77
DGRC1217-DT	RCDD	NN	332.00	526413	6920426	424	73	-60
DGRC1218-DT	RCDD	NN	530.00	526272	6920533	434	77	-58
DGRC1220-DT	RCDD	NN	350.50	526479	6920561	425	71	-66
DGRC1221-DT	RCDD	NN	396.10	526393	6920509	425	89	-70
DGRC1222-DT	RCDD	NN	441.50	526401	6920510	425	70	-66
DGRC1223-DT	RCDD	NN	360.00	526468	6920516	425	116	-70
DGRC1224-DT	RCDD	NN	615.00	526271	6920618	444	90	-68
DGRC1225-DT	RCDD	NN	330.10	526451	6920447	425	76	-63
DGRC1226	RC	NN	282.00	526574	6920515	425	53	-72
DGRC1231	RC	Ink	174.00	526434	6920602	434	142	-79
DGRC1232	RC	Ink	150.00	526498	6920632	435	144	-67

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References

Historical assay results referenced in this release have been taken from the following ASX releases:

- ASX: GCY release – 23 January 2023 "Never Never Resource jumps by 183% to 303,100oz with resource grade up 99% to 4.64g/t"
- ASX: GCY release – 2 May 2023 "Exceptional Thick, High-Grade Results from New Phase of Drilling at Never Never"
- ASX: GCY release – 16 May 2023 "More High-Grade Assays from Never Never Highlight Significant Growth Potential"
- ASX: GCY release – 24 May 2023 "Deepest Drill-Hole Hits Significant High-Grade Intercept 110m below Resource"
- ASX: GCY release – 7 June 2023 "Significant Assay Results Outside Never Never MRE"

Glossary of terms used in this release

"NN" =	Never Never Gold Deposit
"HW" =	Hanging Wall - the overhanging mass of rock above you when standing in the position of the orebody/target
"MRE" =	Mineral Resource Estimate – a mathematical estimate of the contained metal in a deposit
"VG" =	Visible Gold – Gold mineralisation visible to the human eye and typically found in areas of gold-associated mineralisation
"RC" =	Reverse Circulation - a drill type involving percussive hammer drilling using air pressure to "lift" cuttings to surface
"DD" =	Diamond Drilling - a drill type that cuts a semi-continuous "core" of rock using rotational methods and diamond bits
"PC" =	Pre-Collar - a short RC drillhole at the start of a DD drillhole or "tail".
"DT" =	Diamond Tail – the remainder of a drillhole, completed using Diamond drilling, that begins with an RC Pre-Collar
"AA" =	Awaiting Assay – assays for the drill samples are in transit to, or in process, at the assay laboratory
"top-cut" =	Upper limit applied to assays to reduce the undue influence of (typically) one individual high-grade assay result when reporting a composite interval grade across many assay results. GCY currently use 50g/t gold as a top cap in reporting composite drill assay intervals. Values above 50g/t gold are currently considered statistical outliers.
"g/t" =	grams per tonne - accepted unit of measurement used to describe the number of grams of gold metal contained within a tonne of rock. Also equivalent to parts per million (ppm).

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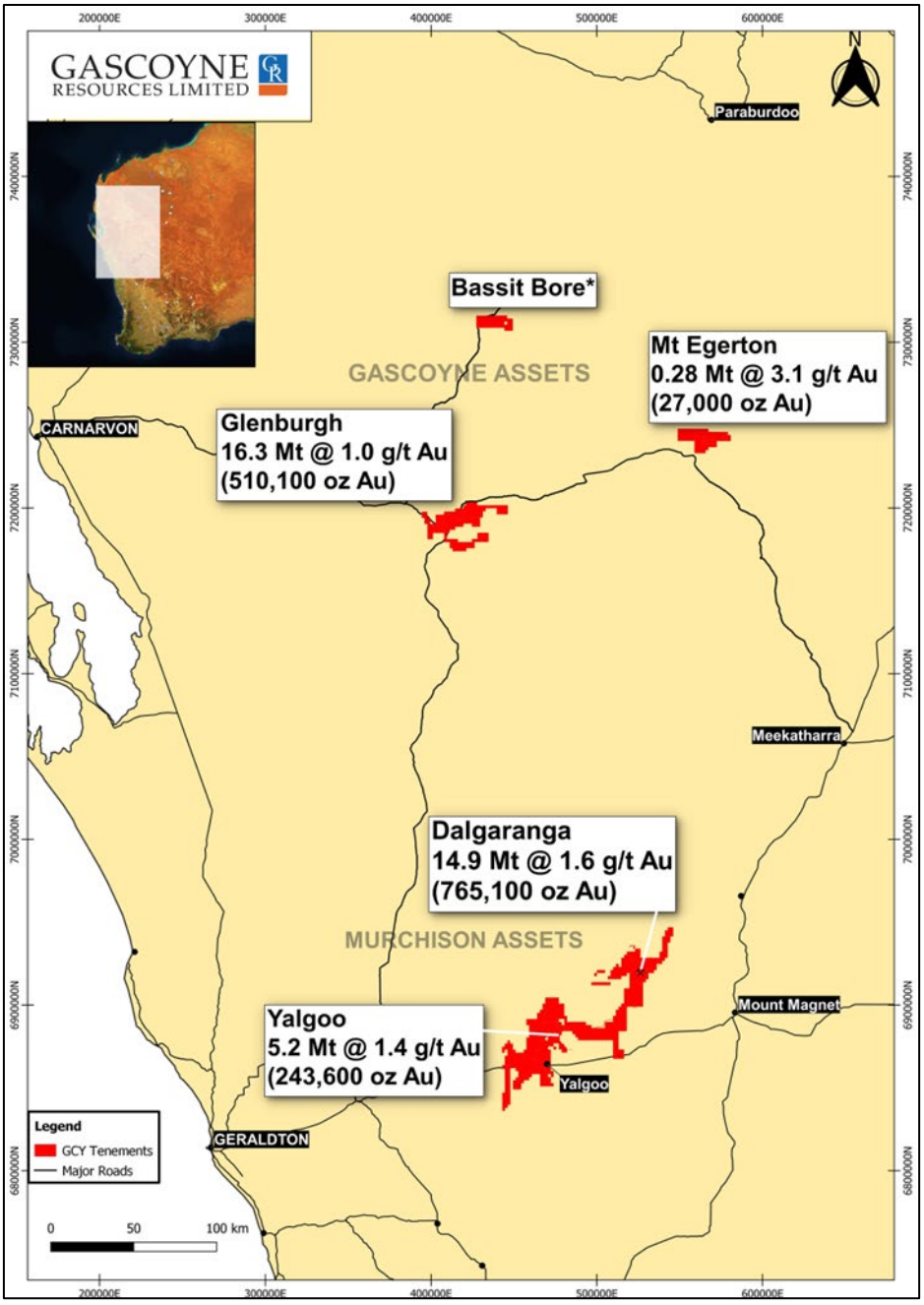

***Figure 7**: Location of Gascoyne Resources Limited Projects*

Authorisation

This announcement has been authorised for release by the Board of Gascoyne Resources Limited.

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BACKGROUND ON GASCOYNE RESOURCES

Gascoyne Resources Limited (ASX: GCY) is an ASX-listed gold company which is currently undergoing a transformational restructure and repositioning as an advanced exploration company with a rapid pathway back into production at its Dalgaranga Gold Project, located 65km north-west of Mt Magnet in the Murchison District of Western Australia.

Dalgaranga produced over 70,000oz of gold in FY2022 before being placed on care and maintenance in November 2022 to implement an operational reset designed to preserve the value of its extensive infrastructure and Resource base while developing a new, sustainable operating plan.

This approach is underpinned by the exceptional high-grade Never Never gold discovery, which was made in 2022 just 1km from the existing 2.5Mtpa carbon-in-leach processing facility and the main open pit at Dalgaranga.

Gascoyne has moved to rapidly unlock the potential of this significant discovery, which comprises a current JORC Mineral Resource of 303,100oz at an average grade of 4.64g/t, plus a substantial Exploration Target (read the announcement here).

The Company has secured a landmark $50 million funding package to underpin an 18-month exploration and strategic plan (**the "365" strategy**) targeting:

- A +**3**00koz Reserve at a grade exceeding 4.0g/t Au at Never Never;
- A +**6**00koz Resource at a grade exceeding 5.0g/t Au at Never Never;
- The development of a **5**-year mine plan aimed at delivering gold production of 130-150koz per annum.

This updated strategy is centred around an aggressive exploration program at Never Never designed to target Resource expansion, Reserve definition and near-mine exploration drilling targeting Never Never "lookalikes".

Gascoyne also intends to undertake the development of an underground exploration drill drive. Underground drill platforms will be utilised for Never Never underground Reserve drilling, as well as to test depth extensions of the current 303koz Resource.

In addition to its near-mine exploration at Dalgaranga, Gascoyne is actively exploring more than 500km^2 of surrounding exploration tenements and also owns the advanced 244koz Yalgoo Gold Project, where permitting activities are well advanced to establish a potential satellite mining operation at the Melville deposit.

In addition to Dalgaranga and Yalgoo, the Company's 527koz advanced exploration and development project at Glenburgh–Mt Egerton, located ~300km north of Dalgaranga, has the potential to be a second production hub.

The Company's Values, "**Putting HEARTS into Mining**" through Honesty, Excellence, Accountability, Resilience, Teamwork and Safety are core to who we are and how we work together and with the community.

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GROUP MINERAL RESOURCES:

Total Group Mineral Resources

Category	Tonnes (Mt)	Grade (g/t)	Contained Metal (koz Au)
Measured	0.50	1.0	15.2
Indicated	27.82	1.2	1,117.5
Inferred	8.39	1.5	413.1
GRAND TOTAL	**36.71**	**1.3**	**1,545.8**

Table A1: Group Mineral Resource Estimates for Gascoyne Resources Limited (at various cut-offs)

Murchison Region Mineral Resources (DGP & YGP)

Category	Tonnes (Mt)	Grade (g/t)	Contained Metal (koz Au)
Measured	0.50	1.0	15.2
Indicated	14.09	1.5	661.8
Inferred	5.55	1.9	331.7
TOTAL	**20.14**	**1.6**	**1,008.7**

Table A2*: Combined Mineral Resource Statement for the Murchison Region, includes the Dalgaranga Gold Project (DGP) and Yalgoo Gold Project (YGP)*

Dalgaranga Gold Project (DGP)

Category	Tonnes (Mt)	Grade (g/t)	Contained Metal (koz Au)
Measured	0.50	1.0	15.2
Indicated	10.73	1.5	501.4
Inferred	3.67	2.1	248.4
TOTAL	**14.9**	**1.6**	**765.1**

Table A3: *The DGP includes in-situ mineral resources for the Never Never Gold Deposit, the Gilbey's Complex Group of Gold Deposits, and the Archie Rose Gold Deposit.*

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Never Never Gold Deposit Mineral Resource Estimate (DGP)

NEVER NEVER GOLD DEPOSIT – MINING TYPE			
"Open Pit" Resource >0.5gpt Au <270mRL			
Category	**Tonnes (Mt)**	**Grade (g/t)**	**Contained Metal (koz Au)**
Indicated	0.93	2.68	79.9
Inferred	0.17	1.19	6.6
TOTAL	**1.10**	**2.45**	**86.5**
"Underground" Resource >2.0gpt Au >270mRL			
Category	**Tonnes (Mt)**	**Grade (g/t)**	**Contained Metal (koz Au)**
Indicated	0.40	6.00	77.4
Inferred	0.53	8.13	139.2
TOTAL	**0.93**	**7.22**	**216.6**
TOTAL NEVER NEVER GOLD DEPOSIT – MINING TYPE			
Category	**Tonnes (Mt)**	**Grade (g/t)**	**Contained Metal (koz Au)**
Indicated	1.33	3.69	157.3
Inferred	0.71	6.43	145.8
GRAND TOTAL	**2.03**	**4.64**	**303.1**

Table A4: *The Never Never Gold Deposit includes in-situ the Gilbey's North and Never Never Lodes. Reporting cut-off grades are 0.5g/t Au for Open Pit defined mineral resources and 2.0g/t Au for Underground defined mineral resources.*

"Gilbey's Complex" Mineral Resource Estimate (DGP)

Category	Tonnes (Mt)	Grade (g/t)	Contained Metal (koz Au)
Measured	0.50	0.95	15.2
Indicated	9.41	1.06	344.1
Inferred	1.76	0.86	63.6
TOTAL	**11.66**	**1.13**	**422.9**

Table A5*: Gilbey's Complex Mineral Resource Estimate Statement for in-situ resources above 0.5g/t Au (depleted to 31 December 2022)*

Apart from mining depletion between 1 July 2022 and 31 December 2022, no material changes have been made to the Gilbey's Complex (Gilbey's Main, Sly Fox and Plymouth deposits) MRE since they were released by Gascoyne in September 2022. As such the details of the MRE can be found in ASX release dated 8 September 2022 and titled *"Group Gold Resources Increase by 15.6% to 1.37Moz with Resource Grade up by 29%".*

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Archie Rose Gold Deposit Mineral Resource Estimate (DGP)

Category	Tonnes (Mt)	Grade (g/t)	Contained Metal (koz Au)
Inferred	1.21	1.01	39.1
TOTAL	**1.21**	**1.01**	**39.1**

Table A6: *Archie Rose Initial Mineral Resource statement for in-situ resources above 0.5g/t Au.*

No material changes have been made to the Archie Rose deposit MRE since they were released by Gascoyne in September 2022. As such the details of the MRE can be found in ASX release dated 8 September 2022 and titled *"Group Gold Resources Increase by 15.6% to 1.37Moz with Resource Grade up by 29%".*

Yalgoo Gold Project (YGP)

Category	Tonnes (Mt)	Grade (g/t)	Contained Metal (koz Au)
Indicated	3.35	1.49	160.4
Inferred	1.88	1.37	83.2
TOTAL	**5.24**	**1.45**	**243.6**

Table A7: *The YGP includes in-situ mineral resources for the Melville and Applecross Gold Deposits. Reporting cut-off grades are g/t Au.*

No material changes have been made to the Melville or Applecross Gold Deposit MRE, as a whole the "Yalgoo Gold Project", since they were released by Gascoyne Resources in December 2021. As such the details of those individual MRE can be found in ASX release dated 6 December 2021 and titled *"24% increase in Yalgoo Gold Resource to 243,613oz strengthens Dalgaranga Growth Pipeline".*

Gascoyne Region Mineral Resources (GRP)

Category	Tonnes (Mt)	Grade (g/t)	Contained Metal (koz Au)
Indicated	13.73	1.03	455.7
Inferred	2.84	0.89	81.4
TOTAL	**16.57**	**1.01**	**537.1**

Table A8: *Gascoyne Region Total Mineral Resource statement includes the Glenburgh Gold Project (GGP) and the Mt Egerton Gold Project (EGP)*

No material changes have been made to the Mineral Resource Estimates of the Glenburgh Gold Project or the Mt Egerton Gold Project since they were released by Gascoyne Resources in May 2021. The detail of the Glenburgh MRE can be found in ASX release dated 17 December 2020 and titled "*Group Mineral Resources Grow to Over 1.3Moz*". Detail for the Mt Egerton MRE can be found in ASX release dated 31 May 2021 and titled *"2021 Mineral Resource and Ore Reserve Statements".*

Glenburgh Gold Project (GGP)

Category	Tonnes (Mt)	Grade (g/t)	Contained Metal (koz Au)
Indicated	13.5	1.0	430.7
Inferred	2.8	0.9	79.4
TOTAL	**16.3**	**1.0**	**510.1**

Table A9: *The Glenburgh Gold Project Mineral Resource Estimate for in-situ resources above 0.25g/t Au for open pit defined mineral resources and above 2.0g/t Au for Underground defined mineral resources.*

Mt Egerton Gold Project (EGP)

Category	Tonnes (Mt)	Grade (g/t)	Contained Metal (koz Au)
Indicated	0.23	3.4	25.0
Inferred	0.04	1.5	2.0
TOTAL	**0.27**	**3.1**	**27.0**

Table A10: *The Mount Egerton Gold Project Mineral Resource Estimate for in-situ resources above 0.70g/t Au for open pit defined mineral resources.*

Competent Persons Statement

The Mineral Resource estimates for the Dalgaranga Gold Project referred to in this presentation are extracted from the ASX announcement dated 23 January 2023 and titled “Never Never Resource Jumps by 183% to 303,100oz with Resource Grade up 99% to 4.64g/t”. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the estimate in the original market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the original market announcements. The Competent Person responsible for reporting of those Mineral Resource estimates was Mr Nicholas Jolly.

The Mineral Resource estimates for the Gilbey’s North and Never Never deposits (collectively the “Never Never deposits”) referred to in this presentation are extracted from the ASX announcement dated 23 January 2023 and titled “Never Never Resource Jumps by 183% to 303,100oz with Resource Grade up 99% to 4.64g/t”. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the estimate in the original market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the original market announcements. The Competent Person responsible for reporting of those Mineral Resource estimates was Mr Nicholas Jolly.

The Mineral Resource estimates for the Gilbey’s, Gilbey’s South, Plymouth, Archie Rose and Sly Fox deposits referred to in this presentation are extracted from the ASX announcement dated 8 September 2022 and titled “Gold Resources increase by 15.6% to 1.37Moz with Resource Grade up by 29%”. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the estimate in the original market announcement continue to apply and have not materially changed.

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Information in this announcement relating to exploration results from the Dalgaranga Gold Project (Gilbey's, Gilbey's South, Plymouth, Sly Fox and Gilbey's North / Never deposits) are based on, and fairly represents data compiled by Gascoyne's Senior Exploration Geologist Mr Monty Graham, who is a member of The Australasian Institute of Mining and Metallurgy. Mr Graham has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person under the 2012 Edition of the Australasian Code for reporting of Exploration Results. Mr Graham consents to the inclusion of the data in the form and context in which it appears.

The Mineral Resource estimate for the Yalgoo Gold Project referred to in this announcement is extracted from the ASX announcement dated 6 December 202 and titled "24% Increase in in Yalgoo Gold Resource to 243,613oz Strengthens Dalgaranga Growth Pipeline". The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the estimate in the original market announcement continue to apply and have not materially changed.

The Mineral Resource estimate for the Glenburgh Project referred to in this announcement is extracted from the ASX announcement dated 18 December 2020 and titled "Group Mineral Resources Grow to Over 1.3M oz". The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the estimate in the original market announcement continue to apply and have not materially changed.

The Mineral Resource estimate for the Mt Egerton Project referred to in this announcement is extracted from the ASX announcement dated 31 May 2021 and titled "2021 Mineral Resource and Ore Reserve Statements". The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the estimate in the original market announcement continue to apply and have not materially changed.

Information in this announcement relating to the Glenburgh and Mt Egerton Gold Projects is based on, and fairly represents, data compiled by Gascoyne's Senior Exploration Geologist Mr Monty Graham, who is a member of The Australasian Institute of Mining and Metallurgy. Mr Graham has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person under the 2012 Edition of the Australasian Code for reporting of Exploration Results. Mr Graham consents to the inclusion in this announcement of the data relating to the Glenburgh and Mt Egerton Gold Projects in the form and context in which it appears.

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Forward-looking statements

This announcement contains forward-looking statements which may be identified by words such as "believes", "estimates", "expects', "intends", "may", "will", "would", "could", or "should" and other similar words that involve risks and uncertainties. These statements are based on an assessment of present economic and operating conditions, and on a number of assumptions regarding future events and actions that, as at the date of this announcement, are expected to take place.

Such forward-looking statements are not guarantees of future performance and involve known and unknown risks, uncertainties, assumptions and other important factors, many of which are beyond the control of the Company, the Directors and management of the Company. These and other factors could cause actual results to differ materially from those expressed in any forward-looking statements.

The Company cannot and does not give assurances that the results, performance or achievements expressed or implied in the forward-looking statements contained in this announcement will actually occur and investors are cautioned not to place undue reliance on these forward-looking statements.

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JORC Code, 2012 Edition – Table 1
Section 1 Sampling Techniques and Data

Dalgaranga Gold Project: Never Never Gold Deposit

(Criteria in this section apply to all succeeding sections.)

Criteria	Commentary
Sampling techniques	• The Never Never Project Area was previously drilled as part of sterilisation drilling for waste dumps. Exploration drilling commenced in December 2021 following up a historic AC drilling intercept. Resource Development drilling commenced in February 2022 when significant mineralisation intersections were encountered. • The majority of drill holes have a dip of -60°but the azimuth varies. RC and DD recommenced in March 2023 and was completed in June 2023. • RC drilling was used to obtain 1 m samples which were split by a cone splitter at the rig to produce a 3 – 5 kg sample. The samples were shipped to the laboratory for analysis via 500 g Photon assay. • Where DD was undertaken or as DD tails extending RC holes ½ core was sampling while for PQ, HQ or NQ holes with analysis via 500 g Photon assay. • Current QAQC protocols include the analysis of field duplicates and the insertion of appropriate commercial standards and blank samples. Based on statistical analysis of these results, there is no evidence to suggest the samples are not representative.
Drilling techniques	• RC drilling used a nominal 5 ½ inch diameter face sampling hammer. • The DD was undertaken from surface or as DD tails from RC pre-collars. • Core sizes range from NQ, HQ or PQ (to allow geotechnical and/or metallurgical samples to be collected).
Drill sample recovery	• RC sample recovery is visually assessed and recorded where significantly reduced. Negligible sample loss has been recorded. • DD was undertaken and the core measured and orientated to determine recovery, which was generally 100% in transitional / fresh rock. • RC samples were visually checked for recovery, moisture and contamination. A cyclone and cone splitter were used to provide a uniform sample, and these were routinely cleaned. • RC Sample recoveries are generally high. No significant sample loss has been recorded.

Criteria	Commentary
Logging	• Detailed logging exists for most historic holes in the data base. Current RC chips are geologically logged at 1 metre intervals and to geological boundaries respectively. RC chip trays have been stored for future reference. • RC logging recorded the lithology, oxidation state, colour, alteration and veining. • DD holes have all been additionally logged for structural and geotechnical measurements. • The DD core photographed tray by tray wet and dry and have been labelled appropriately for reference <holeID_mFrom_mTo_WET/DRY>. • All drill holes being reported have been logged in full.
Sub-sampling techniques and sample preparation	• RC chips were cone split at the rig. Samples were generally dry. • A sample size of between 3 and 5 kg was collected. This size is considered appropriate, and representative of the material being sampled given the width and continuity of the intersections, and the grain size of the material being collected. • RC samples are dried. If the sample weight is greater than 3 kg, the sample is riffle split. • The DD core has been consistently sampled with the left-hand side of the core sampled. • Samples are coarse crushed to 2 mm prior to photon assaying. • Field duplicates were collected during RC drilling – the methodology has changed to full intervals through the target zone per drill hole. Duplicates are submitted for analysis based on primary assay results – guidelines are mineralised intercept (>0.25ppm Au +/-10m footwall / hanging wall either side). • Further sampling (lab umpire assays) are conducted if it is considered necessary – policy is for 3% of grading assays greater than 0.2 ppm Au are selected for Fire Assaying.
Quality of assay data and laboratory tests	• RC and DD samples were sent to ALS Global Pty Ltd for analysis, by Photon Assay. A 500 g sample is assayed for gold by Photon Assay (method code PAAU2) along with quality control samples including certified reference materials, blanks and sample duplicates. • For Photon Assay, the sample is crushed to nominal 85% passing 2 mm, linear split and a nominal 500 g sub sample taken (method code PAP3502R). • The 500 g sample is assayed for gold by Photon Assay (method code PAAU2) along with quality control samples including certified reference materials, blanks and sample duplicates. • Additional Bulk Density measurements were taken from DD core by ALS Global staff (method code OA-GRA08), across material types (Laterite, oxide, transitional, fresh) lithologies (shales, schists, porphyries) and mineralised zones. Results were in line with project averages contained within the database. • Field QAQC procedures include the insertion of both field duplicates and certified reference 'standards' and 'blank' samples. Assay results have been satisfactory and demonstrate an acceptable level of accuracy and precision. Laboratory QAQC involves the use of internal certified reference standards, blanks, splits and replicates. Analysis of these results also demonstrates an acceptable level of precision and accuracy. • Umpire assaying for 2022 has been received and analysed, a strong correlation for Photon vs Fire Assay methods has been observed. Umpire assaying for 2023 drilling has been selected, with a focus on spatial location within the mineralised zones. Results are pending. • No downhole geophysical tools etc. have been used at Dalgaranga.

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Criteria	Commentary
Verification of sampling and assaying	• At least 3 Company personnel verify all intersections. • No twinned holes have been drilled to date by Gascoyne Resources, however, multiple orientations have tested the mineralised trend, each verifying the geometry of the mineralised shoot. In 2023, drilling orientation has been optimised based on the updated MRE. • Field data is collected using Log Chief on tablet computers. The data is sent to the Gascoyne Database Manager for validation and compilation into a SQL database server. • All logs were validated by the Project Geologist prior to being sent to the Database Administrator for import into GCY's database. • No adjustments have been made to assay data apart from values below the detection limit which are assigned a value of half the detection limit (positive number) prior to estimation.
Location of data points	• The RC and DD hole collars have been picked up by DGPS. • All RC and DD holes completed in 2023 had down holes surveys at the completion of each hole with readings every 10 m. • The grid system is MGA_GDA94 Zone 50, all future MRE will be conducted in MGA (previous a local grid was used)
Data spacing and distribution	• Initial drilling was conducted on 25 m – 100 m north-east aligned grid spacing which aligns with the main Gilbey's trend and stratigraphy. • Defining the orientation of the Never Never gold deposit saw alternative drilling orientations used to pin down the strike and geometry, which included drilling north-east, south-east, and north-south orientation. • Current drilling is targeting Inferred, Mineral Inventory and gaps within the Indicated where required. Drilling is also targeting outside the MRE at the lateral and vertical extents with variable drill spacing. • The mineralised domains have sufficient continuity in both geology and grade to be considered appropriate for the Mineral Resource and Ore Reserve estimation procedures and classification applied under the 2012 JORC Code.
Orientation of data in relation to geological structure	• Drilling sections are orientated perpendicular to the strike of the mineralised host rocks at Dalgaranga. This varies between prospects and consequently the azimuth of the drill holes also varies to reflect this. The drilling is angled at between -50 and -60° which is close to perpendicular to the dip of the stratigraphy, some of the deeper diamond holes have a steeper dip due to platform availability. • Never Never demonstrates a west-northwest trend, compared to the main Gilbey's trend, which appears spatially related to a shale unit with the same or similar orientation. Never Never appears bound by north-south trending faults, however the full strike extent has not been fully tested. • No orientation-based sampling bias has been identified in the data – drilling to date indicates the geological model is robust, and in places conservative.
Sample security	• Chain of custody is managed by Gascoyne Resources. Drill Samples are dispatched weekly from the Dalgaranga Gold Project site. • Currently Beattie Haulage delivers the samples directly to the assay laboratory in Perth. In some cases, Company personnel have delivered the samples directly to the lab. • DD core is transported directly to Gascoyne's core storage facility in Perth for mark up and logging. Core is processed by ALS, prior to analysis.

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Criteria	Commentary
Audits or reviews	• Data is validated by the Gascoyne DBA whilst loading into database. Any errors within the data are returned to relevant Gascoyne geologist for validation. • Prior to interpretation and modelling, all data has been visually validated for erroneous surveys or collar pick-ups. • Outlier logging intervals of marker horizon lithologies such as shales and veining are checked against chip trays or core photos. • Core photos have been reviewed against logging and assays. • Any fixed errors have been returned to the Gascoyne DBA to update the master data set. • An audit has been undertaken by GCY of the ALS core cutting and sampling processes – no issues have been noted. A separate lab audit of the ALS photon assay facility at Cannington was also conducted with no issues noted. • GCY's Monty Graham (Senior Exploration Geologist) is the Competent Person for Sampling Techniques, Exploration Results and Data Quality.

Section 2 Reporting of Exploration Results

Dalgaranga Gold Project: Never Never Gold Deposit

(Criteria listed in the preceding section also apply to this section.)

Criteria	Commentary
Mineral tenement and land tenure status	• Dalgaranga project is situated on Mining Lease Number M59/749 and the Never Never Gold Deposit is located on this lease. • The tenement is 100% owned by Gascoyne Resources Limited. • The tenements are in good standing and no known impediments exist.
Exploration done by other parties	• The tenement areas have been previously explored by numerous companies including BHP, Newcrest and Equigold. • Previous mining was carried out by Equigold in a JV with Western Reefs NL from 1996 – 2000.
Geology	• Regionally, the Dalgaranga project lies in the Archean aged Dalgaranga Greenstone Belt in the Murchison Province of Western Australia. At the Gilbey's deposit, most gold mineralisation is associated with shears situated within biotite-sericite-carbonate pyrite altered schists with quartz-carbonate veining within a porphyry-shale-mafic (dolerite, gabbro, basalt) rock package (Gilbey's Main Porphyry Zone). • The Gilbey's Main and Gilbey's North prospect Porphyry Zone trends north – south and dips moderately-to-steeply to the west on local grid while Sly Fox deposit trends east – west and dips steeply to the north. These two trends define the orientation of the limbs of an anticlinal structure, with a highly disrupted area being evident in the hinge zone.

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Criteria	Commentary
	• At the Sly Fox deposit gold mineralisation occurs in quartz veined and silica, pyrite, biotite altered schists. • The Plymouth deposit lies between Gilbey's and Sly Fox within the hinge zone of anticlinal structure – mineralisation at Plymouth is related to quartz veins and silica, pyrite, biotite altered schists. • At Hendricks and Vickers gold mineralisation occurs in quartz-pyrite veined and altered zones hosted in basalts • The Never Never Gold Deposit appears to be an intersection between a significant lode structure and the mine sequence – the mineralisation plunges moderately to the west and is characterised by strong quartz – sericite – biotite alteration, with fine to very fine pyrite sulphide mineralisation. Visible gold has been logged in multiple diamond drill (DD) holes to date.
Drill hole Information	• Prior to 2023, a total of 41,669 m of drilling from 551 drill holes was available for Geological Modelling and the Dec 2022 MRE. • In 2023, a total of 19,909m of drilling from 61 holes were completed at Never Never for the June 2023 MRE update. • For this announcement, 7 x RC holes, 20 x RCDD holes and 2 x DD holes are being reported. • Collar details have been previously published by Gascoyne Resources
Data aggregation methods	• For previously reported drilling results the following is applicable: ○ All reported assays have been length weighted if appropriate. ○ A nominal 0.5 ppm Au lower cut off has been applied to the RC and DD results, with up to 3m internal dilution (>0.5ppm Au) included if appropriate. ○ High grade Au intervals lying within broader zones of Au mineralisation are reported as included intervals. ○ A top-cap of 50gpt Au has been used, in-line with statistical analysis completed for the January 2023 MRE. ○ No metal equivalent values have been used.
Relationship between mineralisation widths and intercept lengths	• The mineralised zones at Dalgaranga vary in strike between prospects, but all are relatively steeply dipping. • Drill hole orientation reflects the change in strike of the stratigraphy over the deposit and consequently the downhole intersections quoted are believed to approximate true width unless otherwise stated in the announcement. • Never Never Gold Deposit utilised various drilling orientations due to the variable strike orientation of the mineralised domains present. • The drillholes orientated east/west in some instances may be drilling along strike rather than perpendicular, as resource definition confirmed the orientation of the mineralisation. However, subsequent analysis indicated this did not provide a biased impression of the mineralisation, as drilling orientated north-south confirmed the geometry and tenor. • Based on the MRE, drilling for the 2023 phase of surface drilling has been adjusted to optimise the intersection point through mineralisation.
Diagrams	• Diagrams are included in the body of the report.

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Criteria	Commentary
Balanced reporting	• All related drilling results are being reported to the market as assays are received. • Metallurgical results are reported as soon as test work has been completed and reported.
Other substantive exploration data	• Not applicable.
Further work	• 2023 Phase 1 surface RC and DD has been completed, with an updated MRE scheduled for release in July 2023. • A proposal for an underground drill drive has been submitted to DMIRs – approvals are expected early in the September 2023 quarter, with underground drilling commencing in the December 2023 quarter. 25,000m of reserve and growth drilling has been budgeted from underground drilling platforms. • Technical studies related to geotechnical and metallurgical testwork remain ongoing and additional samples will be taken as drilling progresses for potential additional metallurgical test work. • A Sub-Audio Magnetics survey over the Never Never deposit and corridor to the north-west has been completed, with processing and targeting underway. Targets will be drill tested in the September Quarter, along with other high-priority Dalgaranga targets.

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