GASCOYNE RESOURCES LIMITED

ASX ANNOUNCEMENT

22 March 2022

NEAR-MINE EXPLORATION AT DALGARANGA DELIVERS OUTSTANDING NEW RESULTS ON MULTIPLE FRONTS

Follow-up drilling further expands footprint of Gilbey's North discovery, more high-grade hits outside the Plymouth Resource and Lindville target lights up 8km from the plant

Highlights:

- **Close-spaced follow-up drilling at Gilbey's North, immediately north of the main operating pit at Dalgaranga, has delivered another series of shallow high-grade gold intercepts from multiple drill-holes including:**
  - **9m @ 1.28g/t from surface and 29m @ 1.81g/t from 16m, including 18m @ 2.52g/t (DGRC0794)**
  - **38m @ 2.46g/t from 11m, including 20m @ 4.0g/t (DGRC0795)**
  - **5m @ 1.58g/t from 2m and 7m @ 1.87g/t from 25m (DGRC0796)**
  - **5m @ 3.38g/t from 2m, including 2m @ 7.63g/t and,**
  - **17m @ 2.9g/t from 10m, including 5m @ 4.63g/t and 4m @ 4.58g/t and,**
  - **5m @ 2.72g/t from 34m and 1m @ 10,3g/t from 50m (DGRC0797)**
  - **3m @ 1.21g/t from 2m, 1m @ 4.34g/t from 22m, 11m @ 1.02g/t from 28m and,**
  - **24m @ 3.81g/t from 102m including 9m @ 8.41g/t and 10m @ 1.49g/t (DGRC0813)**
  - **5m @ 1.61g/t from 2m (DGRC0814)**
- **Further drill testing to evaluate the extent of gold mineralisation at the active Plymouth Open Pit has returned additional assays outside the current Resource envelope including:**
  - **4m @ 5.59g/t from 56m (DGRC0780)**
  - **7m @ 2.61g/t from 87m, including 4m @ 4.08g/t (DGRC0810)**
- **A new JORC 2012 compliant Mineral Resource Estimate (MRE) is underway for the active Plymouth open pit encompassing recent drilling success. Maiden JORC 2012 MRE for the Archie Rose prospect nearing completion and due for release in the coming weeks.**
- **Drilling of the Lindville gold prospect (8km north-east of the Dalgaranga processing plant) has returned encouraging near-surface assays including:**
  - **10m @ 1.55g/t from 45m, including 5m @ 2.33g/t (DGRC0734)**
- **A recent detailed review of the active Gilbey's mine environment has also identified a large number of targets within the existing mine approval footprint, including an extensive area along the entire eastern (footwall) of the Gilbey's Open Pit. An aggressive drill-out using multiple rigs is set to commence in coming weeks.** (refer Figure 5).

** Refer ASX announcements 8, 17, 24 and 28 February 2022 for details on relevant drill-holes.*

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Gascoyne Resources Managing Director and CEO, Mr Simon Lawson, said: *"Gilbey's North is shaping up as a real game-changer for the Company. These latest results demonstrate the continuity of consistent, thick zones of high-grade gold mineralisation both along strike and at depth – an outstanding result.*

"Our smaller capacity rig has been very busy systematically punching close-spaced 54m deep holes around the highest grade, thickest shallow mineralisation at Gilbey's North. These close-spaced holes will give us confidence in preparations for an initial Mineral Resource Estimate and potential mining scenarios.

"An RC rig will return on 1st April and resume rapid drill-out of targeted extensions to Gilbey's North to the north and west and give us further confidence that existing lodes seen in the shorter drill-holes extend to depth. This rig will stay tasked with the Gilbey's North area and beyond for at least three months.

"Moving to the north-west we appear to be moving into an area that was previously targeted by wide-spaced drilling and more specifically into an area of around 200m x 200m with not one drill-hole in it. This is really exciting because our geophysical surveys show the structural demagnetised zone that hosts the entire Gilbey's deposit and Gilbey's North prospect also extends into this area.

"In addition to the geophysical support, a review of previous activities shows previous drilling hit the same 'double-shale' stratigraphy seen at Gilbey's and Gilbey's North, as well as some very interesting gold grades over 1,000m north-west at the previously un-named Roku prospect. We are looking forward to providing further updates on this developing story in the coming weeks and months.

"Following a meeting with the entire geology team on site last week, we have also identified a number of areas in the footwall of the Gilbey's open pit, including an area called the Gilbey's eastern cutback and another area to the north that have been mined historically at very high grades. There has been very little drilling in these footwall areas to follow up and potentially extend the pit in these areas as access has been restricted due to infrastructure being situated on the footwall as mining focussed on the main Gilbey's Main Zone.

"We have selected a mobile carrier diamond drill rig, typically seen in underground operations, to drill the footwall targets from inside the pit at Gilbey's. This type of rig has a very small footprint, can reposition itself independently and quickly and can also drill the angles we need. A third RC drill rig will also be mobilised to drill the footwall targets from along the eastern pit haul road. The potential outcome from drilling of the Gilbey's footwall area could be as significant as a large-scale eastern wall cutback with a substantial extension to the life of mine plan at Dalgaranga. We want to quickly assess this potential and we are moving aggressively to make it happen.

"In parallel to our strong exploration success, we are maintaining firm focus on producing safe and consistent profitable ounces. On the back of strong production in January, February and into March, this quarter is shaping up to be possibly one of the best on record for the Company.

"We continue to focus on costs and minimising debt, and we will see further benefit to our balance sheet as we move to unlock some of the unrealised value in our non-Murchison assets in the coming weeks. It really feels like the Company has turned a major corner in the last few months and we intend to continue to work hard to deliver meaningful outcomes for our shareholders."

Further to its announcement of 28 February 2022, Gascoyne Resources Limited ("**Gascoyne**" or "**Company**") (ASX: GCY) is pleased to advise that its near-mine exploration strategy at the 100%-owned **Dalgaranga Gold Project** in Western Australia is continuing to gather momentum, with significant new results received across multiple existing and emerging prospects.

The Company has received further spectacular assay results from the significant zone of gold mineralisation discovered immediately north of the Gilbey's open pit, the main ore source, along with further high-grade results outside the current Mineral Resource envelope at the active Plymouth Open Pit and exciting first-pass results from the Lindville prospect, 8km north of the Dalgaranga plant.

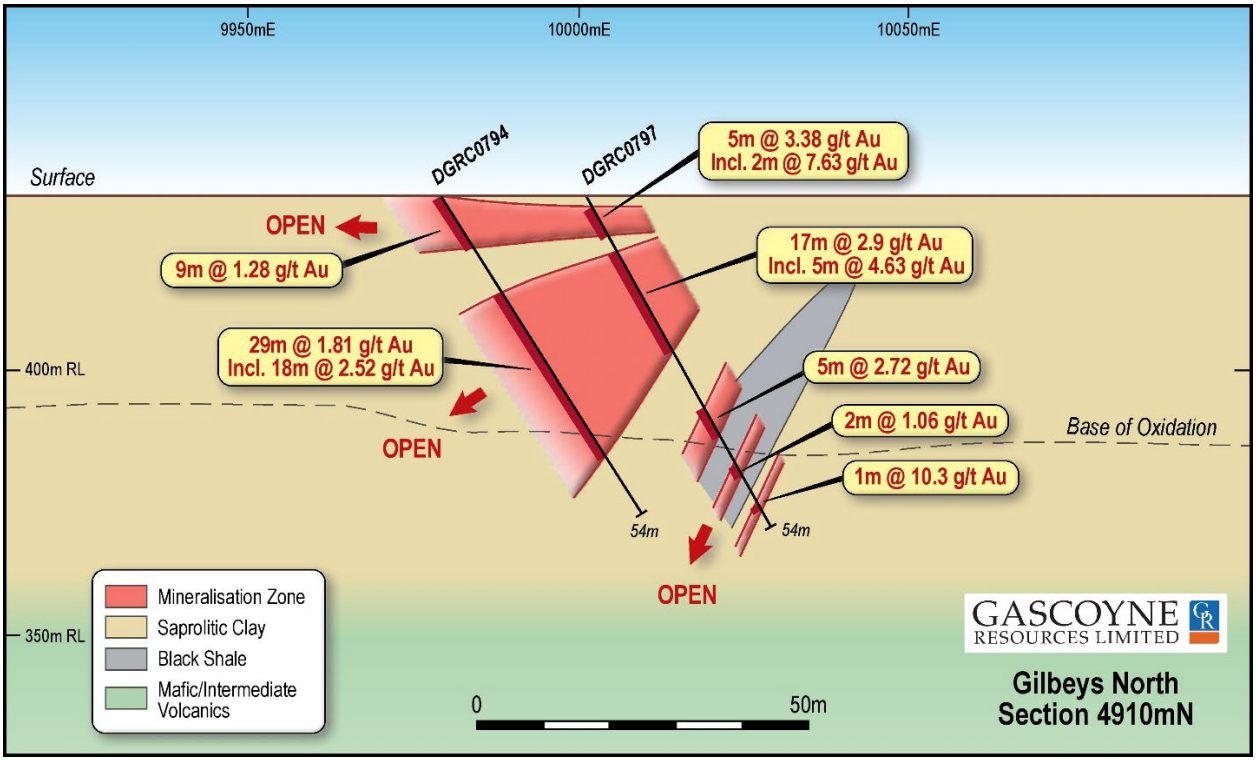

Figure 1: *Cross-section of Gilbey's North prospect with new results from DGRC0794 and 0797 (yellow).*

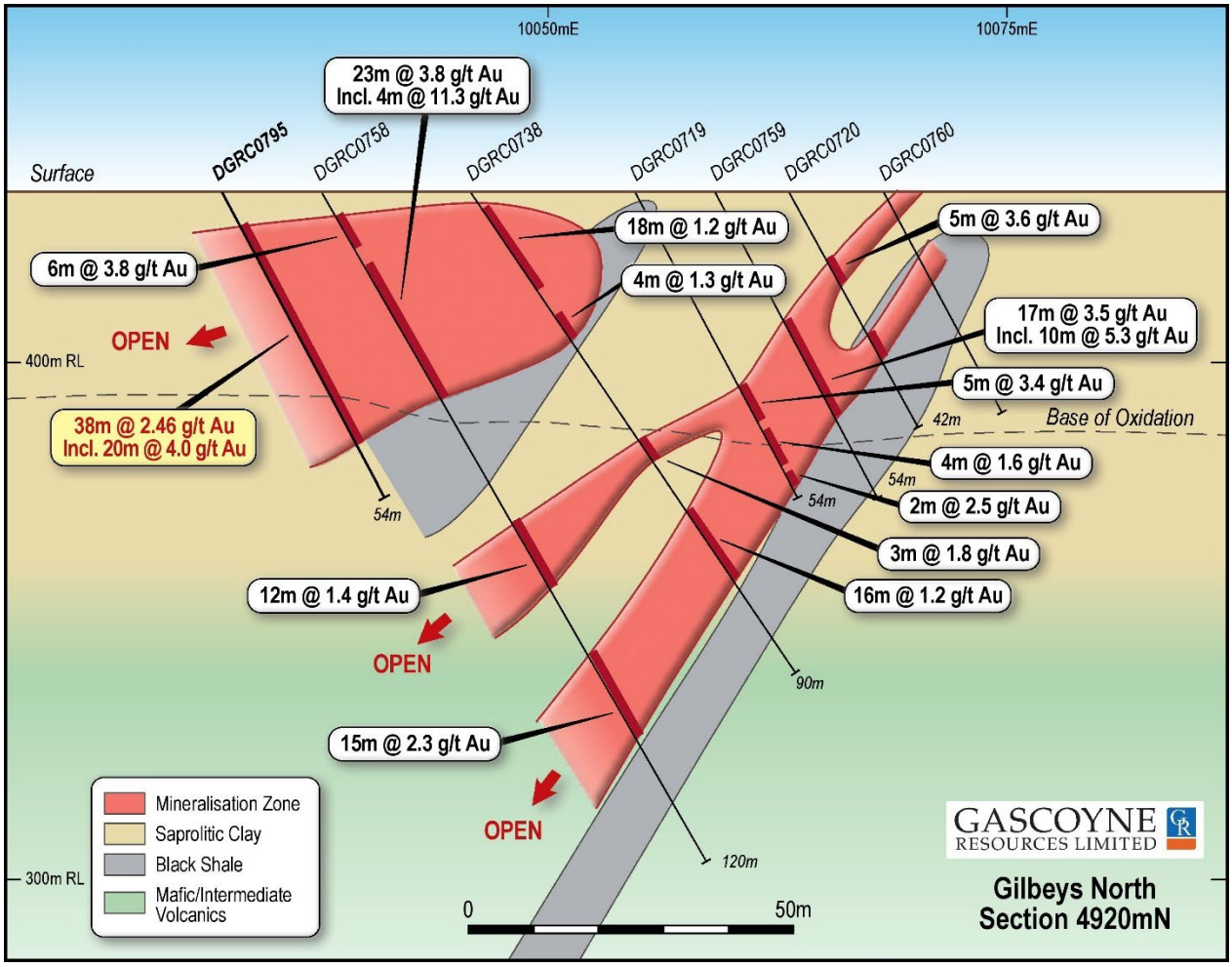

Figure 2: *Cross-section of Gilbey's North prospect with new results from DGRC0795 (yellow).*

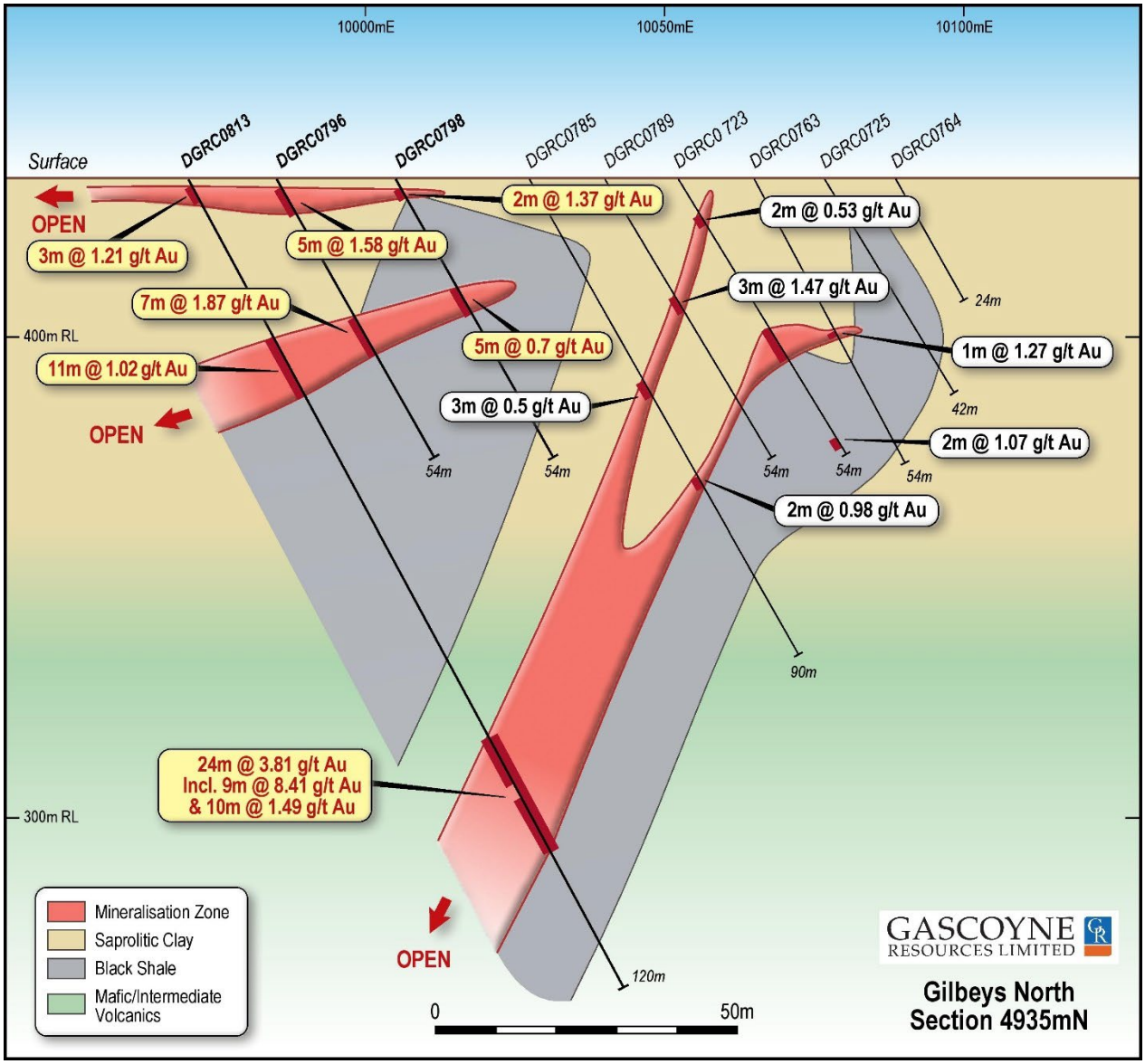

Figure 3: *Cross-section of Gilbey's North prospect with new results from DGRC0796, 0798 and 0813 (yellow).*

Gilbey's North – Significant Near-Mine Gold Discovery

The Gilbey's North target is located less than 1km west of the +2.5Mtpa Dalgaranga processing plant.

Since its discovery, a very high percentage of follow-up drill-holes have intersected significant gold mineralisation (see ASX announcements, 8, 17, 24 and 28th February 2022) with the Company well underway with follow-up RC drilling in preparation for a maiden Mineral Resource Estimate (MRE).

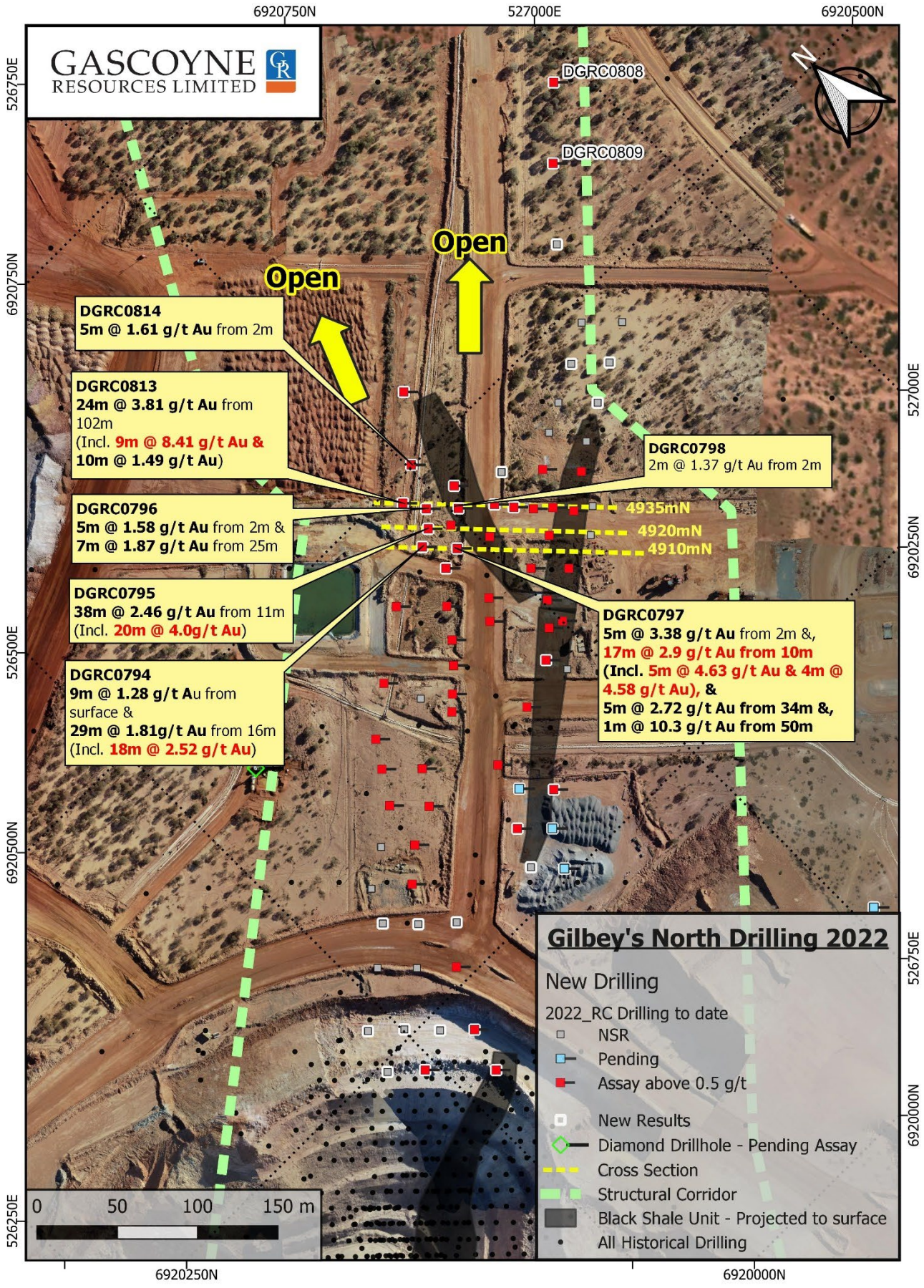

Figure 4: *Gilbey's North gold prospect plan showing location of drill-holes.*

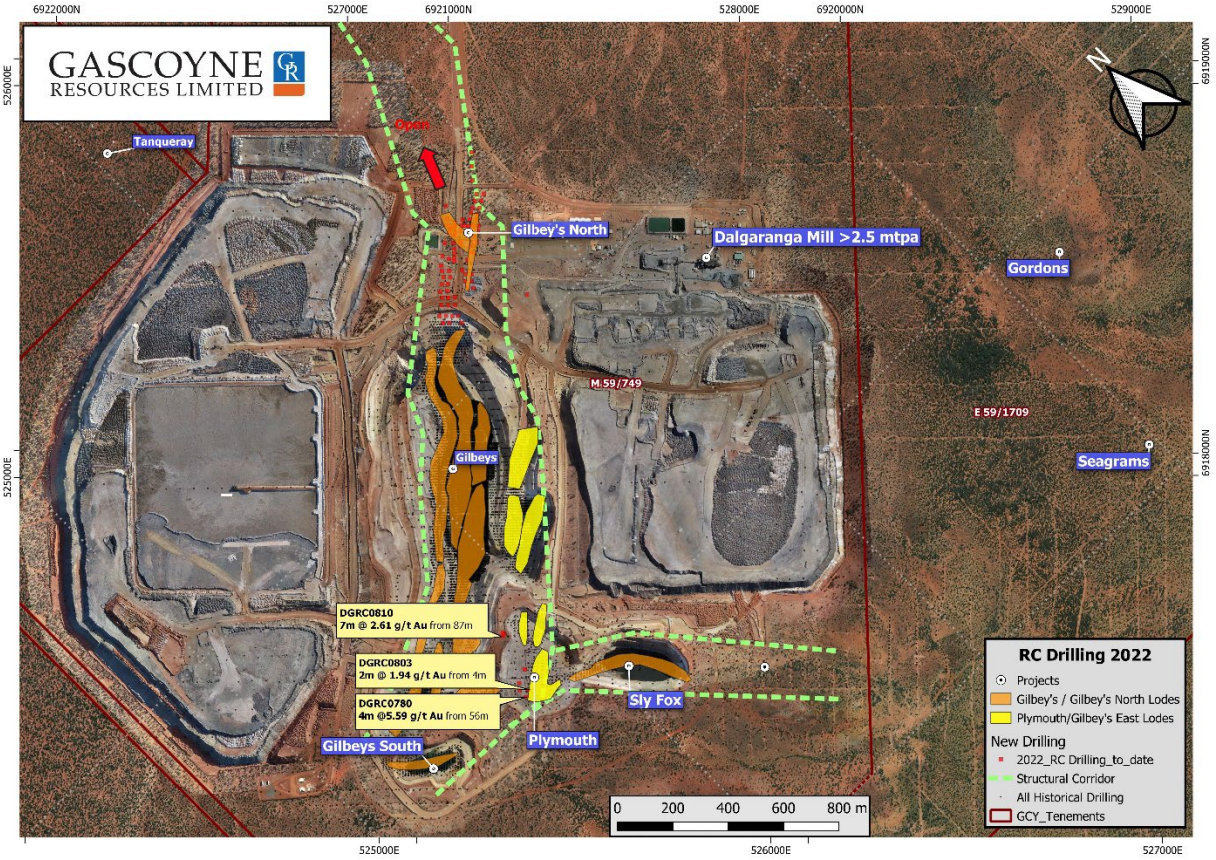

Figure 5: *Overview of near-mine environment highlighting the main (orange) and eastern footwall (yellow) lode systems.*

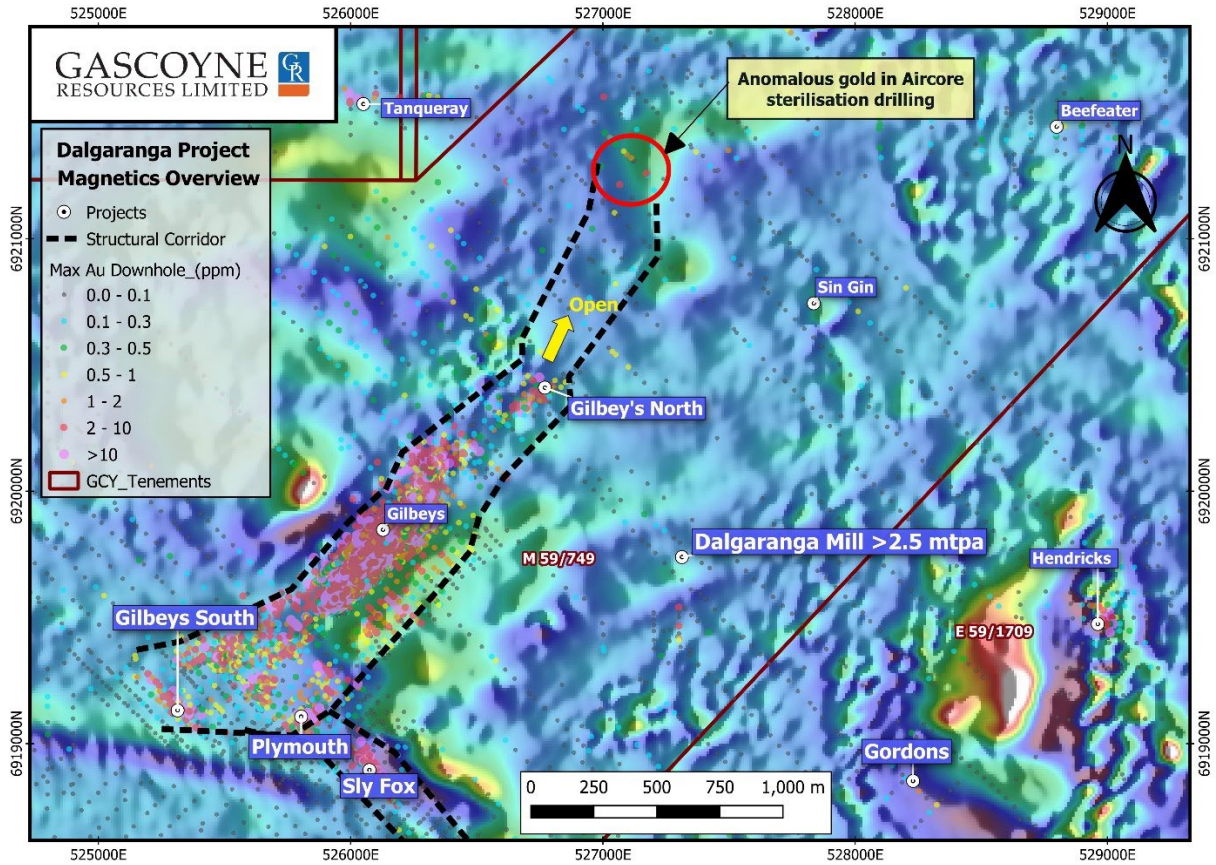

Figure 6: *Regional overview of Dalgaranga gold prospects with max gold downhole over magnetics.*

Drillhole Tables

Table 1: *Drill Results Table*

Hole Id	From (m)	To (m)	Interval (m)	Au g/t	Comments
Gilbey's North					
DGRC0770	1	5	**4**	**1.89**	
	84	91	7	0.7	
DGRC0771				NSR	
DGRC0772				NSR	
DGRC0773				NSR	
DGRC0774	24	25	1	4.32	
DGRC0775	100	101	1	0.8	
DGRC0776	115	117	2	0.6	
DGRC0777				NSR	
DGRC0778	12	13	1	1.29	
	65	66	**1**	**16.9**	
DGRC0784				NSR	
DGRC0785	39	42	3	0.5	
	57	59	2	1.0	
DGRC0786				NSR	
DGRC0787				NSR	
DGRC0788				NSR	
DGRC0789	24	27	3	1.47	
DGRC0790	17	22	5	0.6	
DGRC0791	27	32	5	1.06	
DGRC0792				NSR	
DGRC0793	5	8	**3**	**2.4**	
DGRC0794	0	9	**9**	**1.28**	
	16	45	**29**	**1.81**	
Including	20	38	**18**	**2.52**	
DGRC0795	2	3	1	0.9	
	11	49	**38**	**2.46**	
Including	25	45	**20**	**4.0**	
DGRC0796	2	7	**5**	**1.58**	
	25	32	**7**	**1.87**	
DGRC0797	2	7	**5**	**3.38**	
Including	2	4	**2**	**7.63**	
	10	27	**17**	**2.9**	
Including	11	16	**5**	**4.63**	
&	21	25	**4**	**4.58**	
	34	39	**5**	**2.72**	
	44	46	2	1.06	
	50	51	1	10.3	
DGRC0798	2	4	2	1.37	
	21	26	5	0.7	

Hole Id	From (m)	To (m)	Interval (m)	Au g/t	Comments
	36	48	12	0.3	
DGRC0801				NSR	
DGRC0802	9	14	5	0.6	
DGRC0803	4	6	2	1.94	
DGRC0804				NSR	
DGRC0805				NSR	
DGRC0806				NSR	
DGRC0807				NSR	
DGRC0808	116	122	6	0.4	
	149	151	2	0.6	
DGRC0809	50	51	1	1.57	
DGRC0813	2	6	3	1.21	
	22	23	1	4.34	
	28	39	**11**	**1.02**	
	46	47	1	0.7	
	102	126	**24**	**3.81**	
Including	102	111	**9**	**8.41**	
&	115	125	**10**	**1.49**	
DGRC0814	2	7	5	1.61	
DGRC0815	4	5	1	0.8	
Plymouth					
DGRC0779	35	36	1	1.32	
DGRC0780	1	3	2	0.7	
	56	60	**4**	**5.59**	
including	59	60	**1**	**17.02**	
DGRC0810	87	94	**7**	**2.61**	
including	87	91	**4**	**4.08**	
DGRC0811	71	74	3	1.05	
DGRC0812	31	32	1	1.94	
	86	89	3	1.14	
Lindville					
DGRC0732				NSR	
DGRC0733				NSR	
DGRC0734	**45**	**55**	**10**	**1.5**	
DGRC0735	17	19	2	1.1	

Table 2: *Collar Table*

Hole Id	Depth	MGA Easting	MGA Northing	RL (m)	Azimuth	Dip
DGRC0770	120	526722.1	6920440	426.172	135	-60
DGRC0771	114	526571.2	6920280	427.177	135	-60
DGRC0772	250	526553.5	6920296	426.978	135	-60
DGRC0773	150	526538.1	6920312	426.861	135	-60
DGRC0774	130	526762	6920473	425.86	135	-60
DGRC0775	102	526523.6	6920197	414.638	135	-60
DGRC0776	120	526492.3	6920229	415.138	135	-60
DGRC0777	120	526474.9	6920244	415.268	135	-60
DGRC0778	120	526531.8	6920225	414.417	135	-60
DGRC0779	102	525769.8	6919078	399.836	135	-60
DGRC0780	138	525732.4	6919079	402.264	135	-60
DGRC0784	54	526789	6920458	426.329	135	-60
DGRC0785	90	526771.6	6920447	426.214	135	-60
DGRC0786	54	526867.2	6920475	425.923	135	-60
DGRC0787	42	526884.7	6920459	426.029	135	-60
DGRC0788	42	526861.8	6920446	426.004	135	-60
DGRC0789	54	526778.9	6920437	426.338	135	-60
DGRC0790	36	526725.8	6920356	427.163	135	-60
DGRC0791	54	526639.1	6920294	427.096	135	-60
DGRC0792	54	526628.1	6920271	427.578	135	-60
DGRC0793	36	526672.3	6920295	427.303	135	-60
DGRC0794	54	526721.2	6920460	426.254	135	-60
DGRC0795	54	526731.7	6920465	425.674	135	-60
DGRC0796	54	526739.7	6920475	425.557	135	-60
DGRC0797	54	526735.8	6920444	426.269	135	-60
DGRC0798	54	526754	6920461	425.989	135	-60
DGRC0799	36	526642.2	6920256	427.926	135	-60
DGRC0800	42	526654.6	6920279	427.524	135	-60
DGRC0801	144	525732.7	6919113	401.339	135	-60
DGRC0802	144	525750.8	6919132	399.963	135	-60
DGRC0803	120	525757.7	6919090	399.815	135	-60
DGRC0804	102	526484.2	6920271	415.382	135	-60
DGRC0805	102	526501	6920256	414.961	135	-60
DGRC0806	114	526516.3	6920239	414.839	135	-60
DGRC0807	132	526913.5	6920534	425.986	135	-60
DGRC0808	168	526983.3	6920606	426.035	135	-60
DGRC0809	168	526947.4	6920571	425.904	135	-60
DGRC0810	126	525826.3	6919295	427.309	135	-60
DGRC0811	102	525836	6919292	427.506	135	-60
DGRC0812	126	525838.4	6919303	427.53	135	-60
DGRC0813	150	526731.8	6920488	425.322	135	-60
DGRC0814	150	526752.4	6920501	425.375	135	-60
DGRC0815	150	526781.2	6920536	425.671	135	-60

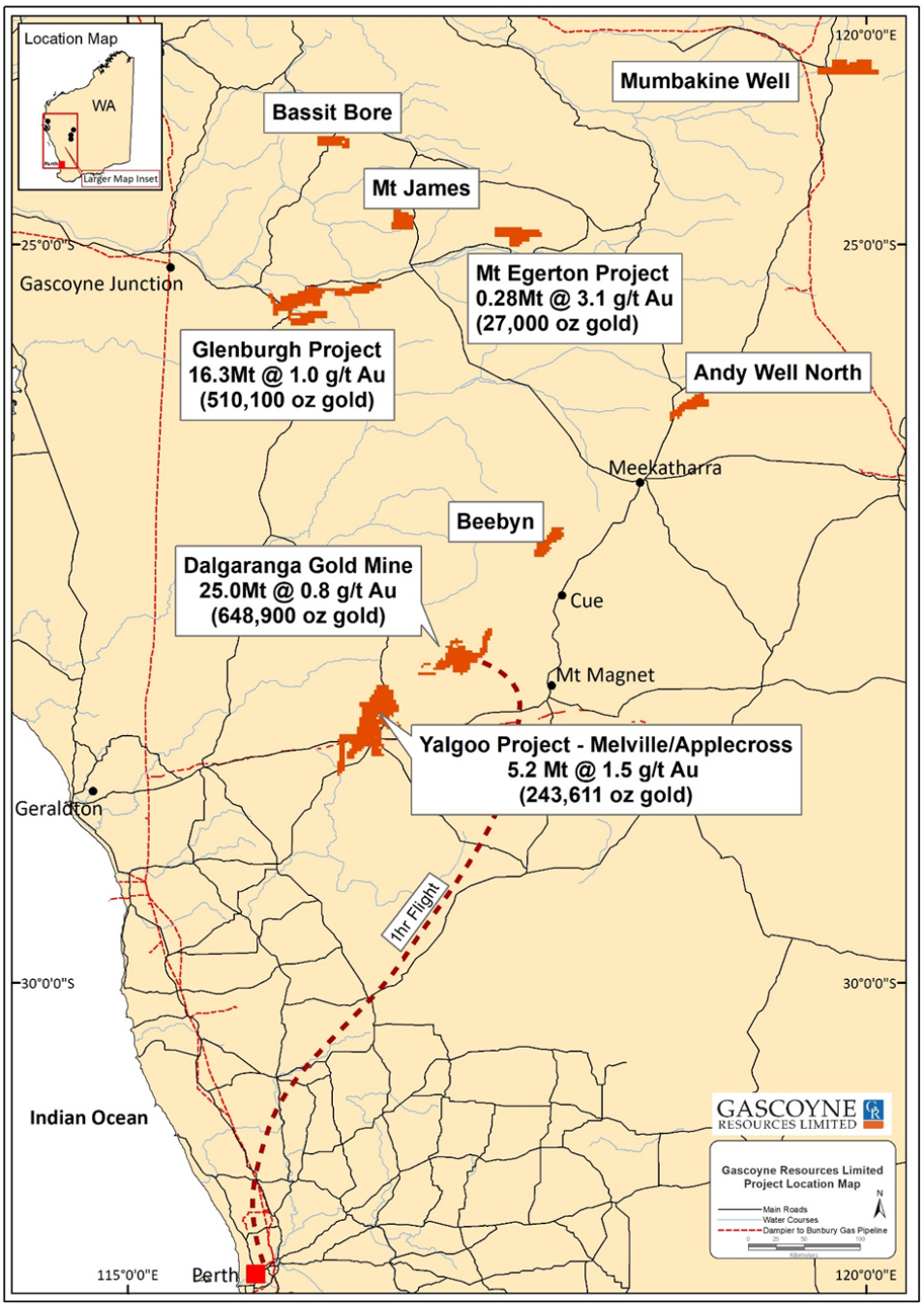

***Figure 5**: Location of Gascoyne Projects*

Authorisation

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

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BACKGROUND ON GASCOYNE RESOURCES

Gascoyne was reinstated on the ASX in October 2020 and is focused on production, development and exploration of a number of gold projects in Western Australia underpinned by positive cash flow generated from the Dalgaranga Operation. In financial year 2021, Dalgaranga produced in excess of 77,000 ounces of gold. The acquisition of Firefly Resources Limited which held the Yalgoo project approximately 70km southwest of Dalgaranga completed on 10 November 2021. The Melville deposit at Yalgoo has the potential to be mined and hauled 110km by road and integrated into the Dalgaranga production plan.

DALGARANGA:

The Dalgaranga Gold Project ("**DGP**") is located approximately 65km by road North-West of Mt Magnet in the Murchison gold mining region of Western Australia and covers the majority of the Dalgaranga greenstone belt.

An updated Mineral Resource was estimated for the DGP being 24.99 Mt @ 0.81 g/t Au for 648.9k oz of contained gold (see ASX Announcement 31 May 2021). Refer to table below.

An updated Ore Reserve was estimated for the DGP being 13.53 Mt @ 0.8 g/t Au for 339.0k oz of contained gold (see ASX Announcement 31 May 2021). Refer to table below.

Significant exploration potential remains at the Dalgaranga Gold Project within the Company's surrounding extensive tenement holdings.

Dalgaranga Gold Project
Summary Mineral Resource Statement as at 31 March 2021

Classification	Mt	Au g/t	Au koz
Measured	1.38	0.69	30.6
Indicated	20.04	0.83	533.1
Measured + Indicated	**21.43**	**0.82**	**563.8**
Inferred	3.56	0.74	85.1
TOTAL	**24.99**	**0.81**	**648.9**

Note: Discrepancies in totals are a result of rounding.

Dalgaranga Gold Project
Summary Ore Reserve Statement as at 31 March 2021

Classification	Oxidation state	COG (g/t Au)	Mt	Au g/t	Au Koz
Proved	Oxide	0.30	0.002	1.1	0.1
	Transition	0.30	0.62	0.7	13.5
	Fresh	0.30	0.45	0.8	10.0
	Stockpiles	0.30	1.84	0.4	24.4
	Gold In circuit				1.7
	SUBTOTAL		**2.91**	**0.5**	**49.8**
Probable	Oxide	0.30	0.36	0.9	9.0
	Transition	0.30	0.36	0.9	9.2
	Fresh	0.30	9.90	0.9	271.0
	SUBTOTAL		**10.62**	**0.8**	**289.2**
Total			**13.53**	**0.8**	**339.0**

Note: Discrepancies in totals are a result of rounding.

GLENBURGH:

The Glenburgh Project in the Gascoyne region of Western Australia has an Indicated and Inferred resource of 16.3Mt @ 1.0 g/t Au for 510.1koz oz gold (See ASX announcement dated 18 December 2020 and titled "Glenburgh Resource Update") from several deposits within a 13km long shear zone (see table below). The project is an exciting and advanced exploration project and will be fully evaluated over the coming months to determine its potential development to production.

Glenburgh Gold Project – MRE Total Summary for All Deposits, as at 15 December 2020

Classification	Mt	Au g/t	Au koz
Indicated	13.5	1.0	430.7
Inferred	2.8	0.9	79.4
TOTAL	**16.3**	**1.0**	**510.1**

MT EGERTON:

The Mt Egerton project includes the high-grade Hibernian deposit and the Gaffney's Find prospect, located on granted mining leases. The Hibernian deposit an Indicated and Inferred resource of 0.28Mt @ 3.1 g/t Au for 27koz oz gold (See ASX Announcement 31 May 2021). The Hibernian deposit has only been drill tested to 70m below surface and there is strong potential to expand the deposit with drill testing deeper extensions to known shoots and targeting new shoot positions. Extensions to mineralised trends and new regional targets will be tested with air core during drilling campaigns.

Hibernian Deposit – MRE Total, above 0.7 g/t Au, as at 31 May 2021

Category	Tonnes (Mt)	Grade (g/t)	Metal (koz)
Indicated	0.23	3.4	25
Inferred	0.04	1.5	2
TOTAL	**0.28**	**3.1**	**27**

YALGOO:

The Yalgoo project includes the Melville and Applecross deposits which have a combined Indicated and Inferred resource of 5.2Mt @ 1.45 g/t Au for 243,613 oz of gold (see ASX Announcement 6 December 2021)

Yalgoo Gold Project – MRE Total, above 0.7 g/t Au, as at 6 December 2021

Classification	Mt	Au g/t	Au koz
Indicated	3.4	1.5	160.4
Inferred	1.9	1.4	83.2
TOTAL	**5.2**	**1.5**	**243.6**

Note: Discrepancies in totals are a result of rounding

Competent Persons Statement

The information in this announcement that relates to Exploration Results and Mineral Resources at the Dalgaranga Gold Project is based on, and fairly represents information and supporting documentation reviewed, collated, and compiled by Mr Simon Lawson, a full-time employee and the Managing Director of Gascoyne Resources Limited. Mr Lawson is a professional geoscientist and Member of The Australian Institute of Mining and Metallurgy and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration, and to the activity which has been undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources, and Ore Reserves. Mr Lawson consents to the inclusion in this announcement of the matters based on this information in the form and context in which it appears.

The Ore Reserve estimates for the Gilbey's, Gilbey's South, Plymouth and Sly Fox gold deposits at the Dalgaranga Gold Project referred to in this announcement are extracted from the ASX announcement dated 31 May 2021 and titled "2021 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.

The Mineral Resource estimates for the Gilbey's, Gilbey's South, Plymouth and Sly Fox referred to in this announcement are 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.

The Mineral Resource estimates for the Melville and Applecross deposits referred to in this announcement are extracted from the ASX announcement dated 6 December 2021 and titled "24% Increase in Resource Ounces at Yalgoo Gold Project". 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 Resources estimates for the Glenburgh Project referred to in this announcement are 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 Resources estimates for the Hibernian deposit at Mt Egerton referred to in this release are 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.

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.

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

Dalgaranga project

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

Criteria	Commentary
Sampling techniques	• The deposits and prospects have been drilled using Rotary Air Blast (RAB), Air Core (AC), Reverse Circulation (RC) and Diamond drilling over numerous campaigns by several companies and currently by Gascoyne Resources Ltd. The majority of holes are on a 25m grid either infilling or extending known prospects. The exploration areas have wider spaced drilling. The majority of drill holes have a dip of -60°but the azimuth varies. **For this announcement it was RC drilling**
	• Sample procedures followed by historic operators are assumed to be in line with industry standards at the time. 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.
	• RC drilling was used to obtain 1m samples which were split by a cone splitter at the rig to produce a 3 – 5 kg sample. In some cases, a 4m composite sample of approximately 3 – 5 kg was also collected from the top portion of the holes considered unlikely to host significant mineralisation. The samples were shipped to the laboratory for analysis via 50g Fire Assay or Photon assay. Where anomalous results were detected, the single metre samples were collected for subsequent analysis, also via 50g Fire Assay or Photon assay. A 4m composite sample of approximately 3 – 5 kg was collected for all AC drilling. This was shipped to the laboratory for analysis via a 25g Aqua Regia digest with reading via a mass spectrometer. Where anomalous results were detected, single metre samples will be collected for subsequent analysis via a 25g Fire Assay or Photon Assay. Where diamond drilling was undertaken or as diamond tails extending RC holes ½ core was sampling while for HQ holes ¼ core was sampled and the Fire Assayed using 50g charge fire assay with an AAS finish. • In relation to this announcement all **RC samples were sent to MinAnalytical Laboratory Pty Ltd for analysis by Photon Assay**.
Drilling techniques	• RC drilling used a nominal 5 ½ inch diameter face sampling hammer. AC drilling used a conventional 3 ½ inch face sampling blade to refusal or a 4 ½ inch face sampling hammer to a nominal depth. The diamond drilling was undertaken as diamond tails to RC holes. Core sizes range from NQ, HQ or PQ (to allow metallurgical samples to be collected). In relation to this announcement, it was RC drilling 5 ½ inch diameter face sampling hammer.
Drill sample recovery	• RC and AC sample recovery is visually assessed and recorded where significantly reduced. Very little sample loss has been noted. • The diamond drilling recovery has been excellent with very little to no core loss identified. There was no sample loss related to the drilling in this announcement
	• 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. AC samples were visually checked for recovery moisture and contamination. A cyclone was used and routinely cleaned. 4m composites were speared to obtain the most representative sample possible. • Diamond drilling was undertaken and the core measured and orientated to determine recovery, which was generally 100%.
	• Sample recoveries are generally high. No significant sample loss has been recorded with a corresponding increase in Au present. Field duplicates produce consistent results. No sample bias is anticipated, and no preferential loss/gain of grade material has been noted.

Criteria	Commentary
Logging	• Detailed logging exists for most historic holes in the data base. Current RC and AC chips are geologically logged at 1 metre intervals and to geological boundaries respectively. RC chip trays and end of hole chips from AC drilling have been stored for future reference. • Diamond drill holes have all been geologically, structurally and geotechnically logged.
	• RC and AC chip logging recorded the lithology, oxidation state, colour, alteration and veining. • The Diamond core photographed tray by tray wet and dry.
	• All current drill holes are logged in full.
Sub-sampling techniques and sample preparation	• Diamond drilling completed by Gascoyne Resources on the Dalgaranga tenements has been ½ core (for NQ) or ½ or ¼ core (for HQ) sampled. Previous companies have conducted diamond drilling, it is unclear whether ½ core or ¼ core was taken by previous operators. In relation to this announcement ½ core was sampled
	• RC chips were cone split at the rig. AC samples were collected as 4m composites (unless otherwise noted) using a spear of the drill spoil. Samples were generally dry. 1m AC resamples are riffle split or speared.
	• RC and AC samples are dried. If the sample weight is greater than 3kg, the sample is riffle split. • Samples are pulverised to a grind size where 85% of the sample passes 75 micron.
	• Field QAQC procedures included the insertion of 4% certified reference 'standards' and 2% field duplicates and 2% 'blanks' for RC and AC drilling.
	• Field duplicates were collected during RC drilling. Further sampling (lab umpire assays) will be conducted if it is considered necessary. • The diamond core has been consistently sampled with the left hand side of the NQ hole sampled, while for the HQ, the left hand side of the left hand half was sampled.
	• 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.
Quality of assay data and laboratory tests	• RC samples were sent to MinAnalytical Laboratory Pty Ltd for analysis, by Photon Assay. A 500g 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 Fire Assay the sample is crushed and pulverised then assayed for gold using a 50g charge lead collection Fire Assay with AAS finish. For Photon Assay, the sample is crushed to nominal 85% passing 2mm, linear split and a nominal 500g sub sample taken (method code PAP3502R). The 500g 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 this announcement samples from the RC drill holes were Fire Assayed by Nagrom Laboratory.
	• No downhole geophysical tools etc. have been used at Dalgaranga.
	• 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.
Verification of sampling and assaying	• At least 3 Company personnel verify all intersections.
	• No twinned holes have been drilled to date by Gascoyne Resources.
	• 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

Criteria	Commentary
	server.
	• No adjustments have been made to assay data apart from values below the detection limit which are assigned a value of negative the detection limit
Location of data points	• At this stage most drill collars have been surveyed by hand held GPS to an accuracy of about 3m. The RC and diamond drill holes have been picked up by DGPS. A down hole survey was taken at least every 30m in RC holes by electronic multishot tool by the drilling contractors. Gyro surveys have been undertaken on selected holes to validate the multi shot surveys. In the case of this announcement all RC holes have been surveyed by Company Surveyor using DGPS and Gyro surveys were undertaken down hole by drilling contractors for the RC drill holes in this announcement. The RC drillholes referred to in this announcement were surveyed by DGPS. The Aircore holes were surveyed by hand held GPS. For this announcement the collars were surveyed using DGPS.
	• The grid system is MGA_GDA94 Zone 50
Data spacing and distribution	• Initial exploration by Gascoyne Resources is targeting discrete areas that may host mineralisation. Consequently, current drilling is not grid based, however when viewed with historic data, the drill holes generally lie on existing grid lines and within 25m – 100m of an existing hole. In the case of this announcement the drillholes lie on approximately 25-50m spaced sections.
	• 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.
	• In some cases 4m composite samples were collected from the upper parts of RC drill holes where it was considered unlikely for significant gold mineralisation to occur. Where anomalous results were detected, the single metre cone split samples were collected for subsequent analysis. 4m composite samples were collected during AC drilling and where anomalous results were detected single metre riffle split or speared samples were often collected for subsequent analyses. In relation to this announcement 1m samples were collected and analysed.
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.
	• No orientation based sampling bias has been identified in the data at this point.
Sample security	• Chain of custody is managed by Gascoyne Resources. Drill Samples are dispatched weekly from the Dalgaranga Gold Project site. Currently Beattie Haulage and Toll delivers the samples directly to the assay laboratory in Perth. In some cases Company personnel have delivered the samples directly to the lab. Diamond drill core is transported directly to Perth for cutting and dispatch to the assay lab for analysis. These samples were delivered to the Laboratory by Beattie Haulage.
Audits or reviews	• Data is validated by the Gascoyne Database Manager whilst loading into database. Any errors within the data are returned to relevant Gascoyne geologist for validation.

Section 2 Reporting of Exploration Results: Dalgaranga Project

(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. The tenement is 100% owned by Gascoyne Resources Limited. Other project Tenements include E59/1709, E59/1904, and E59/1906 which Gascoyne Resources has an 80% interest. The Archie Rose prospect lies on E59/2053 and is 100% owned by Gascoyne Resources. The Tanqueray prospect lies on E59/1709 and E59/1904 where Gascoyne Resources has an 80% interest. The Hendricks prospect lies on E59/1709 which Gascoyne Resources has an 80% interest.
	• 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. • 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. • A number of historic gold and base metal prospects occur, in particular the Archie Rose gold prospect which contains a number of significant gold intersections over an open-ended strike length of 300m associated with ENE/WSW structural trend observable in aeromagnetic data. Gold mineralisation at Archie Rose is associated with sheared gabbro. • At Tanqueray – gold mineralisation occurs in an East – West trending zone over 500m with mineralisation associated with quartz, sericite, and pyrite altered schists.
Drill hole Information	• The recent RC drilling is being reported in this announcement. See body of the text for sample results, collar coordinates and survey (azimuth, RL and dip) information in tables, maps and sections.
Data aggregation methods	• All reported assays have been length weighted if appropriate. No top cuts have been applied. A nominal 0.5ppm Au lower cut off has been applied to the RC and diamond results and 0.2 g/t Cut off to the Aircore results.
	• High grade Au intervals lying within broader zones of Au mineralisation are reported as included intervals.
	• No metal equivalent values have been used.

Criteria	Commentary
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 rocks and consequently the downhole intersections quoted are believed to approximate true width unless otherwise stated in the announcement. For this announcement an estimate of true width of the gold intersections is stated in the table of results.
Diagrams	• Refer to figures within body of text.
Balanced reporting	• Results from all holes where assays have been received are included in this announcement.
Other substantive exploration data	• Any further related details will be reported in future releases when data is available.
Further work	• Exploration will continue at Dalgaranga with drilling conducted to extend the current resources, mine life and follow up of significant exploration results will continue including exploration drilling of new areas on the project.
	• Refer to figures in body of text.