



April 20th 2017
Australian Securities Exchange Limited
Via Electronic Lodgement

DALGARANGA GOLD PROJECT – EXPLORATION UPDATE

- **New shallow RC drilling results confirm significant grade and widths extend very close to surface in the oxide zone at the Sly Fox gold discovery, located less than 2 km from the proposed Dalgaranga mill:**
 - **27m @ 1.6g/t Au from 20m**
 - **incl. 9m @ 3.1 g/t Au**
 - **32m @ 1.0g/t Au from 4m**
 - **incl. 16m @ 1.5g/t Au**
 - **19m @ 1.5g/t Au from 16m**
 - **incl. 10m @ 2.45g/t**
 - **13m @ 1.2g/t Au from 11m**
 - **14m @ 1.0 g/t Au from 40m**
 - **incl. 7m @ 1.6 g/t Au**
- **The Sly Fox mineralised zone remains open at depth and along strike;**
- **These results continue to re-inforce the strong exploration potential at the Dalgaranga Gold Project outside of the known resources, and the likelihood of extensions to mine life.**
- **Initial metallurgical testwork is underway to confirm the Sly Fox mineralisation is capable of being processed through the proposed Dalgaranga Plant.**
- **A Helicopter Airborne Electromagnetic (HEM) geophysical survey has been completed and initial processing has identified a number of additional drill targets. Planning is underway to conduct initial drill tests of the highest priority targets.**

Gascoyne Resources Limited (“Gascoyne” or “Company”)(ASX:GCY) is pleased to advise that it has received further assay results from RC drilling at the Sly Fox prospect, and preliminary results from a helicopter electromagnetic survey within the Company’s 100% owned Dalgaranga Gold Project, which contains a Measured, Indicated and Inferred Resource of **29.6Mt @ 1.3g/t Au for 1,230,000 ounces of contained gold** including **Proved and Probable Ore Reserve of 552,000 ounces of gold** (see Figures 1 & 2 & Tables 3 & 4 below).

Sly Fox

Initial RC drilling reported by the Company on 14 March and 5 April 2017 identified mineralisation with significant downhole thicknesses and gold grades at the Sly Fox Prospect, including:

- **26m @ 1.8g/t gold, including 15m @ 2.4 g/t**
- **29m @ 1.1 g/t gold**
- **16m @ 1.5g/t**
- **30m @ 1.5g/t gold, including 14m @ 2.6 g/t**
- **23m @ 1.6g/t gold, including 11m @ 2.7 g/t.**



Shallow RC followup drilling testing updip of previous holes has now been completed and has confirmed wide zones of mineralisation extending virtually right to surface, which can be traced over 250m along strike and to a depth of more than 150m (See Figure 3 to 7).

The shallow intersections include:

- 27m @ 1.6g/t gold from 20m, including 9m @ 3.1 g/t
- 32m @ 1.0 g/t gold from 4m, including 16m @ 1.5 g/t
- 19m @ 1.5g/t gold from 16m, including 10m @ 2.45 g/t
- 13m @ 1.2 g/t gold from 11m
- 14m @ 1.0 g/t gold from 40m, including 7m @ 1.6 g/t

At the same time as the shallow drilling was completed, two deep RC drillholes were drilled to test the depth potential at Sly Fox. The first deep RC hole intersected the Sly Fox shear zone and a highly altered package of rocks in the expected position, with results for this hole expected shortly. The second hole deviated from the planned position and as a result the RC rig was unable to drill to the required depth to reach the projected ore zone. A diamond drill is required to extend this RC hole. (see Figure 5 and 7 and Table 1 & 2).

As released to the ASX on the 5th of April, a programme of aircore drilling targeting strike extensions of the Sly Fox shear zone and a number of other parallel structures identified in aeromagnetic data has also been completed (see Figure 3). Drilling has identified what is interpreted to be the mineralised Sly Fox structure for a further 700m to the SE of known mineralisation with a highly altered schist/shale sequence intersected, assay are pending, with results expected to be received shortly.

The Company has also commenced preliminary metallurgical test work on the Sly Fox mineralisation to determine if it will be capable of being treated through the proposed Dalgaranga Process Plant. Given the Sly Fox mineralisation is hosted in a very similar geological sequence as the Gilbeys deposit, it is expected that metallurgical recoveries will be similar to the other deposits within the Dalgaranga Gold Project.

Helicopter EM Survey:

In addition to the ongoing drill programme at Dalgaranga, a Helicopter Airborne Electromagnetic (HEM) geophysical survey covering approximately 50km² has been completed (see Figure 8). The survey has been designed to identify and map conductive stratigraphy, in particular black shales that are intimately associated with gold mineralisation at the Gilbeys, Sly Fox and Golden Wings Deposits.

The HEM survey has identified a number of high priority targets, along strike from the Sly Fox deposit, along strike from the Golden Wings and Gilbeys deposits, and north of the Tanqueray prospect (see Figure 9). The HEM has also identified a number of structures, which previously could not be interpreted from the aeromagnetic data alone.

Processing and interpretation of the new HEM dataset, along with the detailed aeromagnetic data collected in 2016, is ongoing and the new structural targets, along with the conductive EM anomalies, will now be prioritised to maximise the effectiveness of the ongoing drill programme.

For further information please refer to the Company's website or contact the Company directly.

On behalf of the board of
Gascoyne Resources Limited

Michael Dunbar
Managing Director

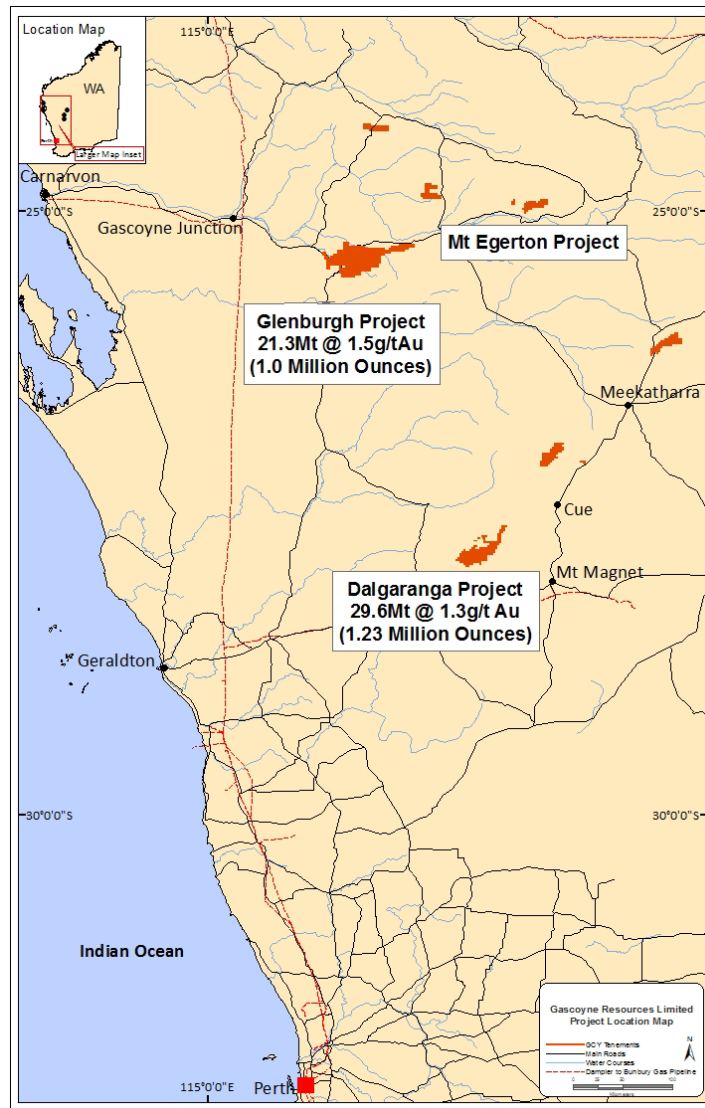


Figure One: Gascoyne Resources Project Locations in the Gascoyne and Murchison Regions

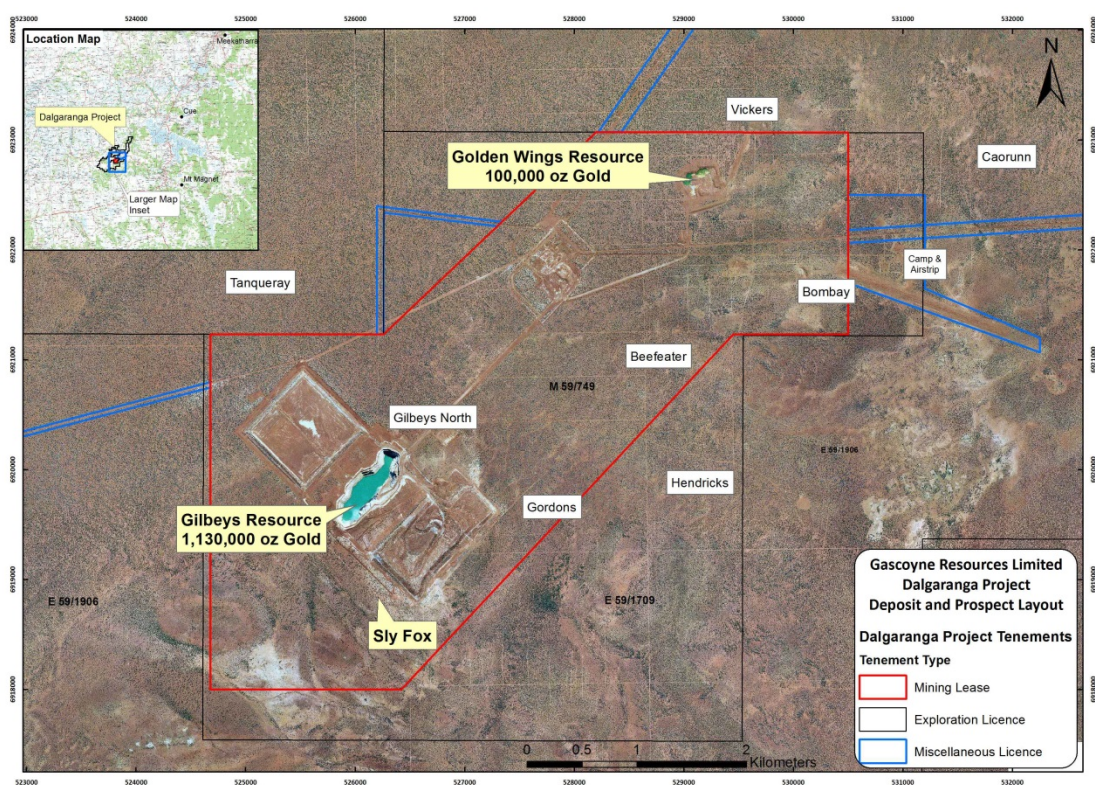
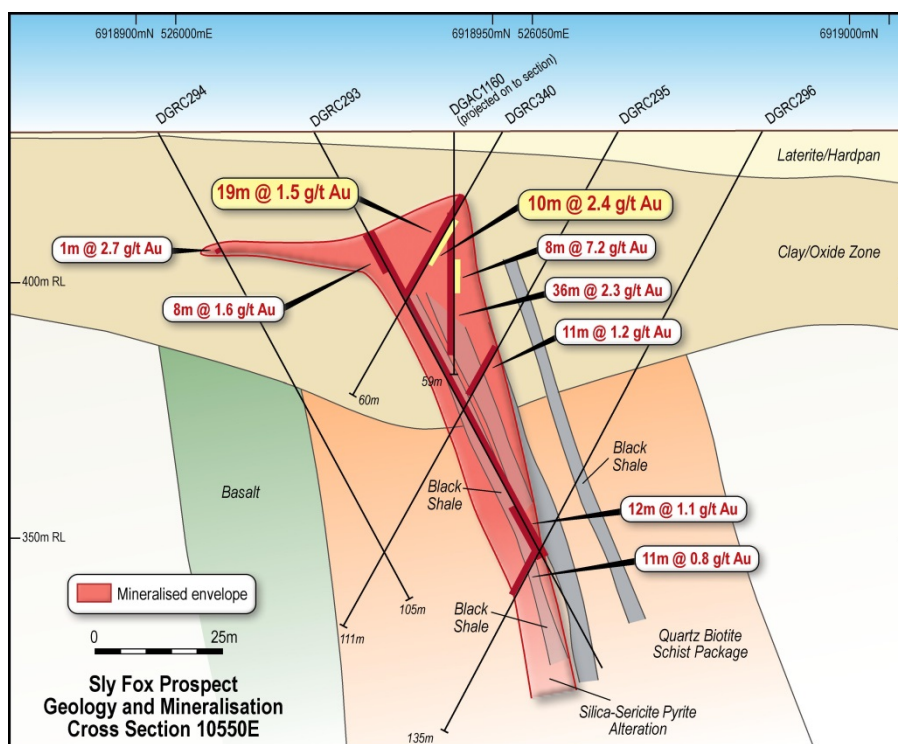
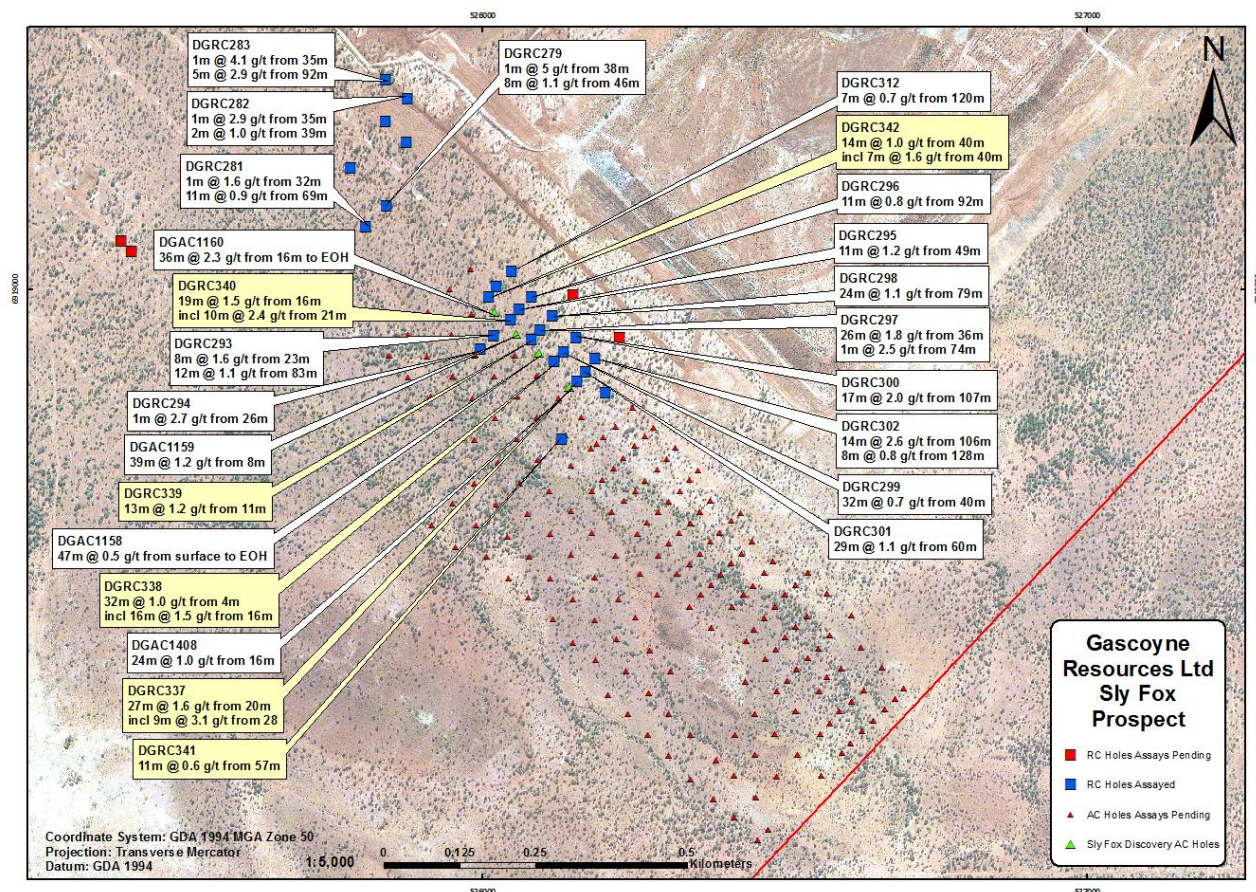


Figure Two: Dalgara Gold Project Deposit and Prospect Layout



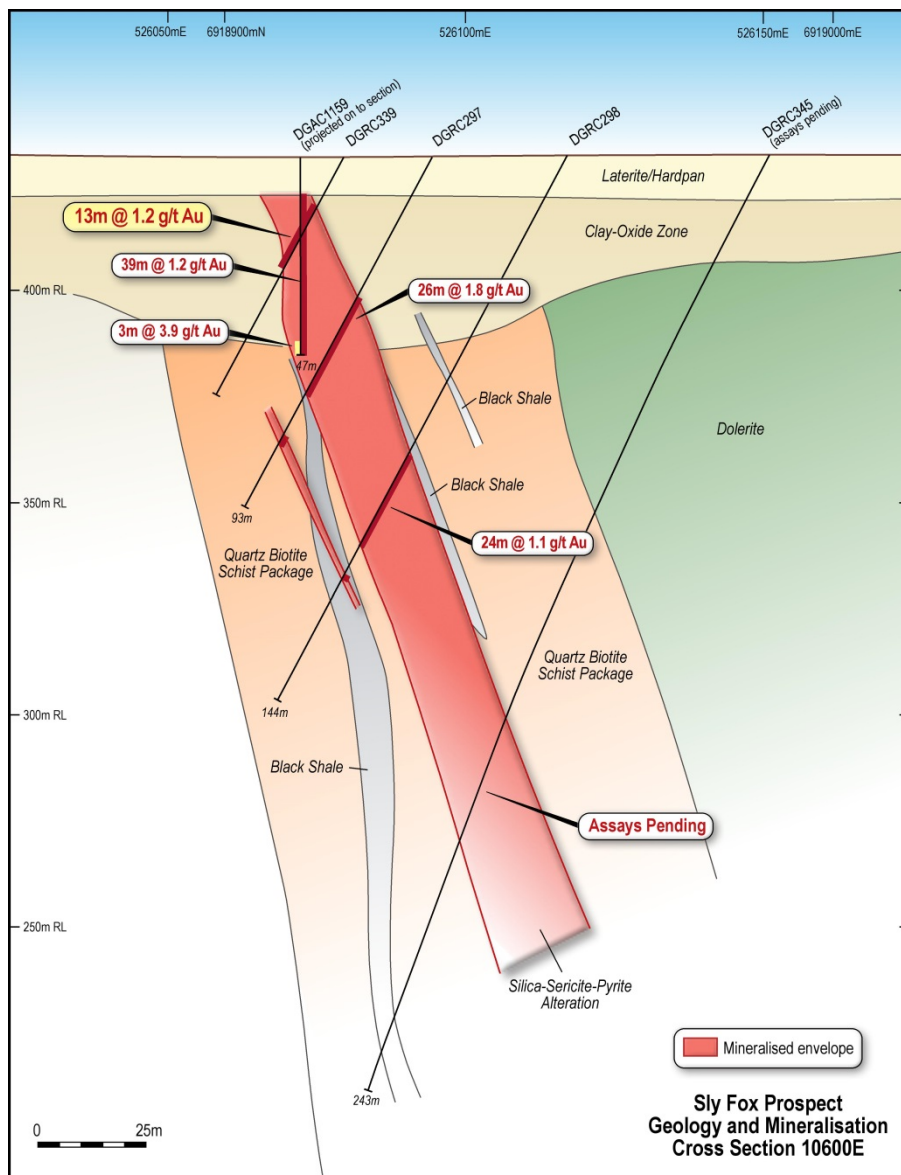


Figure Five: Sly Fox Cross Section 10600E

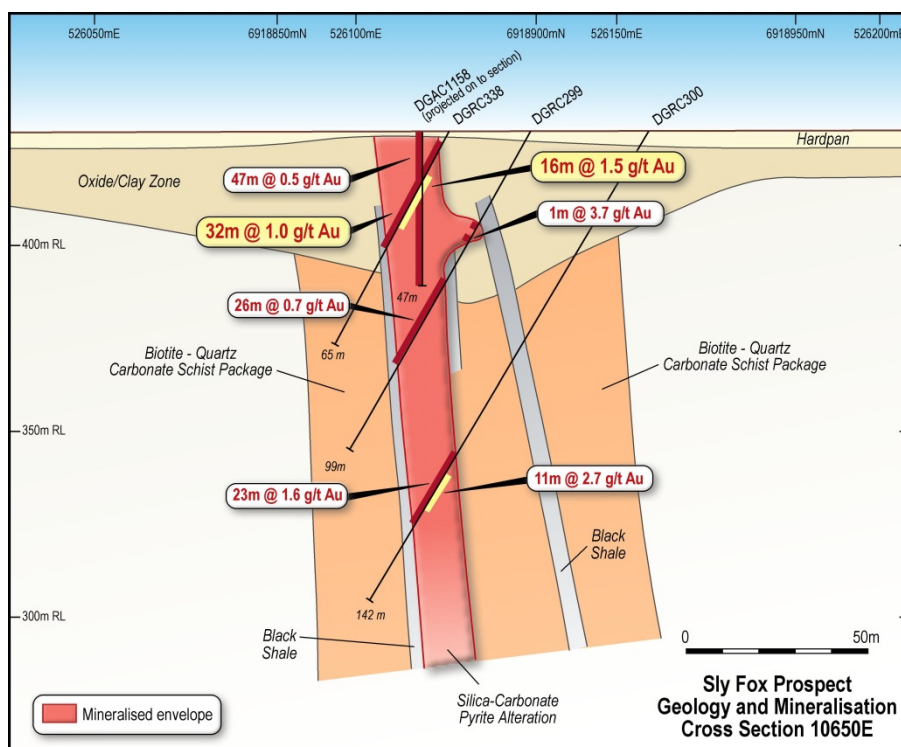


Figure Six: Sly Fox Cross Section 10650E

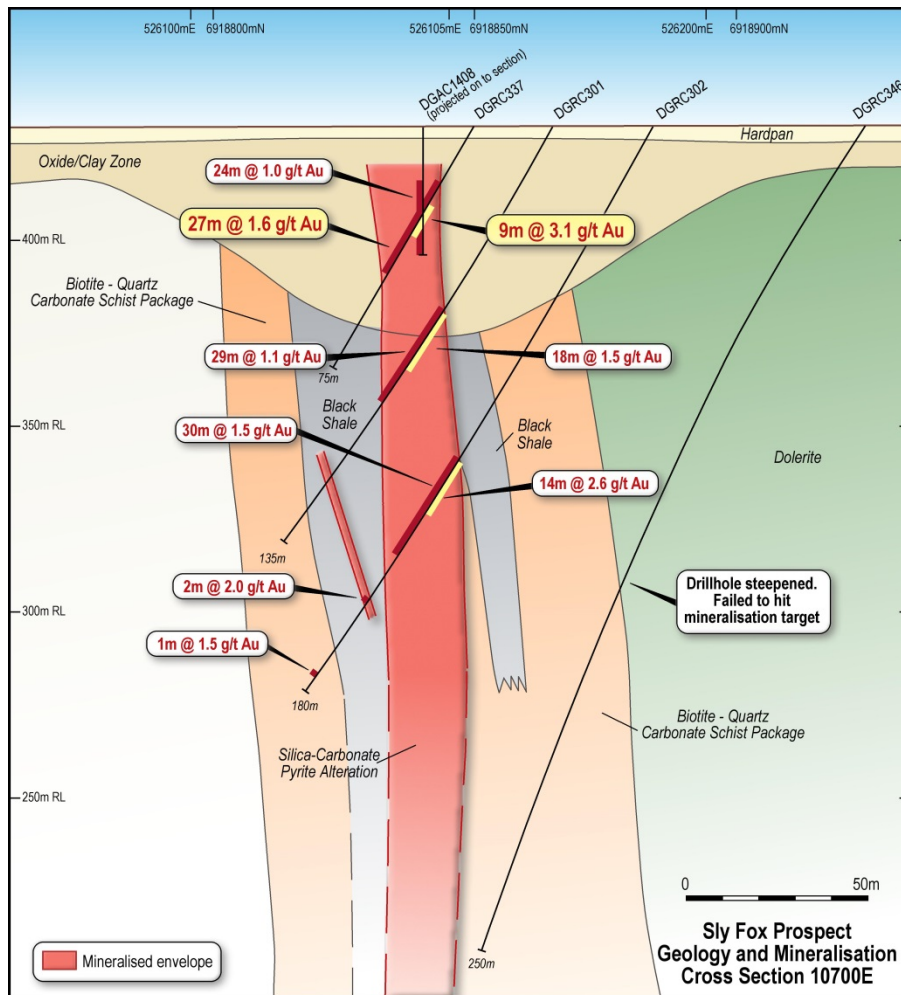


Figure Seven: Sly Fox Cross Section 10700E

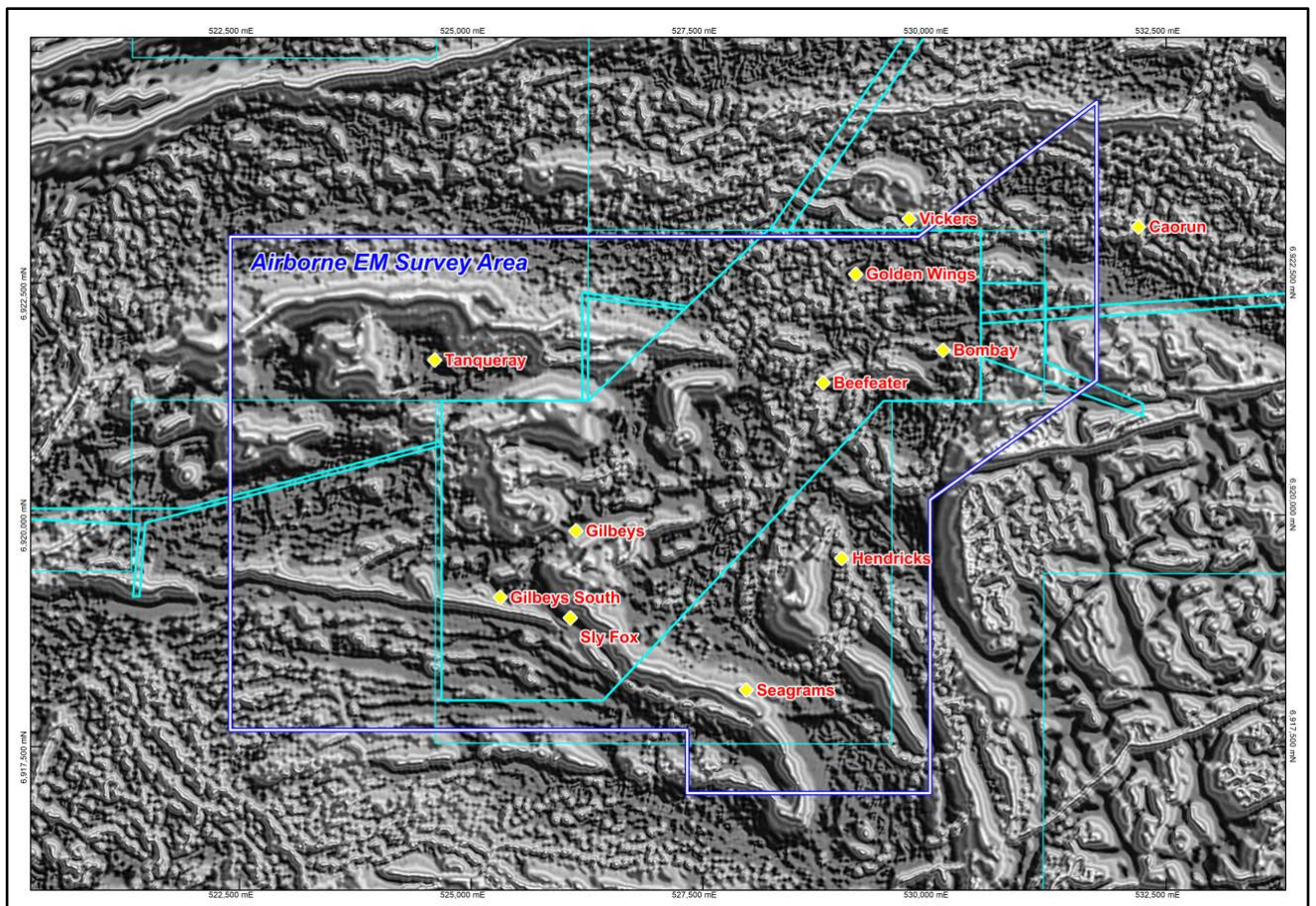


Figure Eight: Helicopter Electromagnetic Survey Area over Aeromagnetic Image
(dark blue survey outline, tenements outlined in light blue)

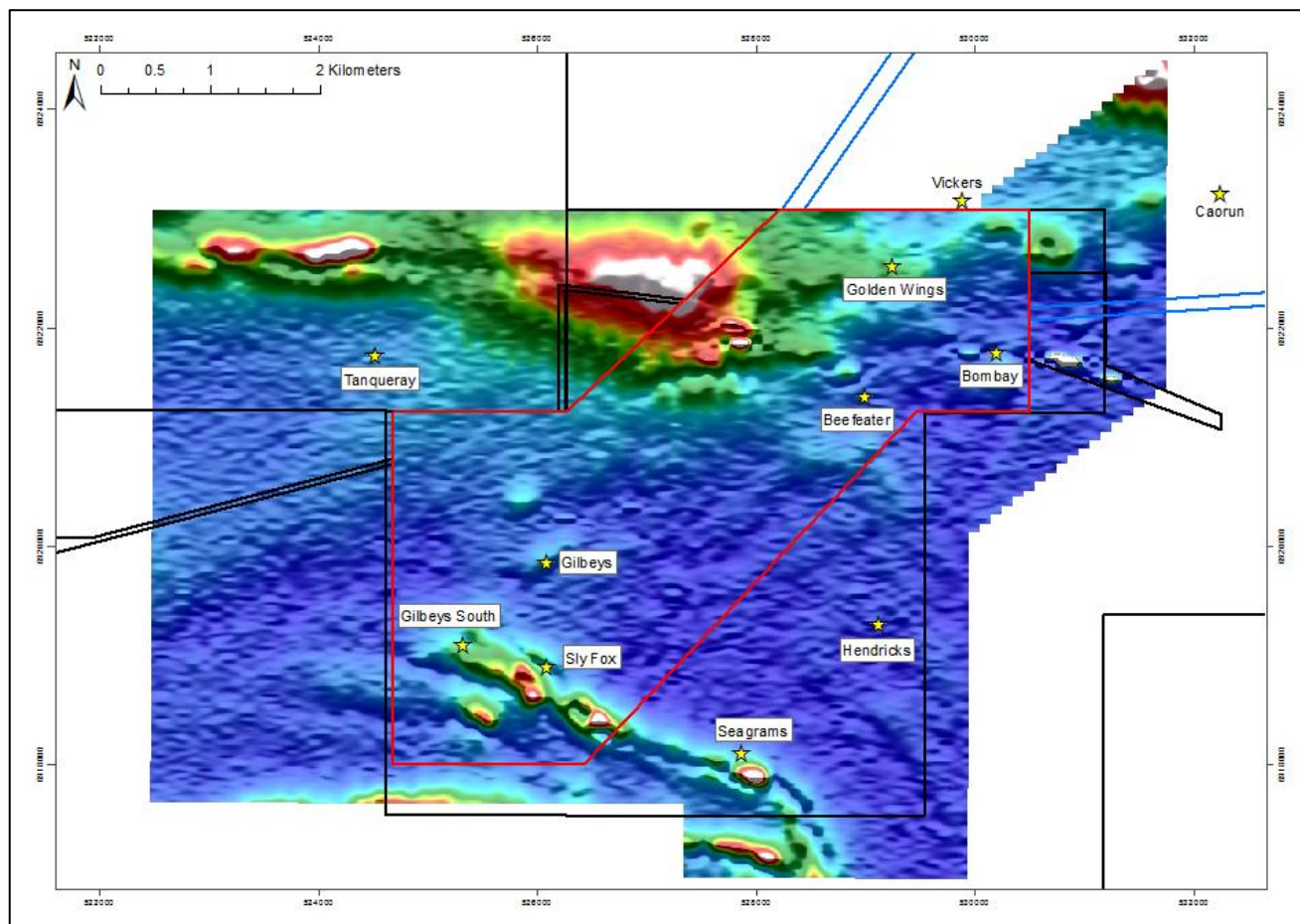


Figure Nine: Helicopter Electromagnetic Survey – Late Time (Bedrock) Response
(Red and White zones represent more conductive horizons)

Table 1: Sly Fox RC Significant Results (+0.5 g/t gold)

Hole ID	From (m)	To (m)	Interval (m)	Au Grade g/t	Grade * Width
DGRC337	20	47	27	1.6	43.2
Incl.	28	37	9	3.1	28.8
DGRC338	4	36	32	1.0	32.0
Incl.	16	32	16	1.5	24.0
DGRC339	11	24	13	1.2	15.6
DGRC340	16	35	19	1.5	28.5
Incl.	21	31	10	2.4	24.0
DGRC341	57	68	11	0.6	6.6
Incl.	63	65	2	1.2	2.4
DGRC342	40	54	14	1.0	14.0
Incl.	40	47	7	1.6	11.2

Table 2: Sly Fox RC Hole Locations

Hole ID	Depth (m)	Easting	Northing	RL	Dip	Azimuth	Comments
DGRC293	120	526019	6918925	430	-60	45	Previously Announced
DGRC294	105	525997	6918903	430	-60	45	Previously Announced
DGRC295	111	526061	6918968	430	-60	225	Previously Announced
DGRC296	135	526081	6918988	430	-60	225	Previously Announced
DGRC297	93	526095	6918933	430	-60	225	Previously Announced
DGRC298	144	526116	6918957	430	-60	225	Previously Announced
DGRC299	99	526134	6918898	431	-60	225	Previously Announced
DGRC300	147	526156	6918921	431	-60	225	Previously Announced
DGRC301	135	526171	6918865	432	-60	225	Previously Announced
DGRC302	180	526188	6918886	431	-60	225	Previously Announced
DGRC303	111	526204	6918830	432	-60	225	Previously Announced
DGRC310	117	526024	6919006	430	-60	225	Previously Announced
DGRC312	159	526048	6919030	430	-60	225	Previously Announced
DGRC337	75	526156	6918849	431	-60	225	
DGRC338	65	526120	6918882	431	-60	225	
DGRC339	65	526081	6918918	431	-60	225	
DGRC340	60	526046	6918952	430	-60	225	
DGRC341	110	526131	6918753	431	-60	45	
DGRC342	65	526011	6918988	430	-60	225	
DGRC345	243	526151	6918992	430	-60	225	Assay pending
DGRC346	250	526228	6918921	431	-60	225	Assay pending

BACKGROUND ON GASCOYNE RESOURCES

Gascoyne Resources Limited was listed on the ASX in December 2009 and is focused on exploration and development of a number of gold projects in Western Australia.

The Company's 100% owned gold projects combined have over **2.1 million ounces of contained gold on granted Mining Leases**:

DALGARANGA:

The Dalgaranga project is located approximately 65km by road NW of Mt Magnet in the Murchison gold mining region of Western Australia and covers the majority of the Dalgaranga greenstone belt. After discovery in the early 1990's, the project was developed and from 1996 to 2000 produced 229,000 oz's of gold with reported cash costs of less than \$350/oz.

The project contains a JORC Measured, Indicated and Inferred Resources of **29.6Mt @ 1.3g/t Au for 1,230,000 ounces** of contained gold (Table 3). The Dalgaranga project has a **Proved and Probable Ore Reserve of 552,000 ounces of gold** (Table 4).

The FS study that has been completed has highlighted a robust development case for the project.

The FS investigated the development of two open pits feeding a 2.5Mtpa processing facility resulting in production of around 100,000ozpa for 6 years and concluded that the operation would be a low cost, high margin and long life operation with high operating margins.

Significant exploration potential also remains outside the known resources with numerous historical geochemical prospects only partly tested.

Table 3: Dalgaranga March 2017 Mineral Resource Estimate (0.5 g/t Cut-off)

Type	Measured		Indicated		Inferred		Total		
	Tonnes Mt	Au g/t	Tonnes Mt	Au g/t	Tonnes Mt	Au g/t	Tonnes Mt	Au g/t	Au Ounces
Laterite			0.5	1.1	0.1	0.8	0.6	1.1	20,000
Oxide	0.2	1.6	1.6	1.6	0.8	1.3	2.6	1.5	130,000
Transitional	0.5	2.1	1.0	1.5	0.5	1.5	1.9	1.6	100,000
Fresh	2.2	1.4	11.9	1.2	10.4	1.2	24.5	1.2	980,000
Total	2.8	1.5	15.0	1.3	11.8	1.2	29.6	1.3	1,230,000

Note: Discrepancies in totals are a result of rounding

Table 4 Ore Reserve Statement - Dalgaranga Project November 2016

Ore Reserves	Tonnes (M tonnes)	Gold Grade (g/t)	Contained ounces (oz)
Proven	3.1	1.28	129,000
Probable	10.2	1.29	423,000
Ore Reserves Total	13.3	1.29	552,000

Note: Discrepancies in totals are a result of rounding

GLENBURGH:

The Glenburgh Project in the Gascoyne region of Western Australia, has a Measured, Indicated and Inferred resource of: **21.3 Mt @ 1.5g/t Au for 1.0 million oz gold** from several prospects within a 20km long shear zone (see Table 5)

A preliminary feasibility study on the project has been completed (see announcement 5th of August 2013) that showed a viable project exists, with a production target of 4.9mt @ 2.0g/t for 316,000oz (70% Indicated and 30% Inferred resources) within 12 open pits and one underground operation. There is a low level of geological confidence associated with inferred mineral resources and there is no certainty that further exploration work will result in the determination of indicated mineral resources or that the production target itself will be realised. The study showed attractive all in operating costs of under A\$1,000/oz and indicated a strong return with an operating surplus of ~ A\$160M over the 4+ year operation. The study included approximately 40,000m of resource drilling, metallurgical drilling and testwork, geotechnical, hydro geological and environmental assessments. Importantly the study has not included the drilling completed during 2013, which intersected significant shallow high grade zones at a number of the known deposits.

Table 5: Glenburgh Deposits - Area Summary
2014 Mineral Resource Estimate (0.5g/t Au Cut-off)

Area	Measured			Indicated			Inferred			Total		
	Tonnes Mt	Au g/t	Au Ounces	Tonnes Mt	Au g/t	Au Ounces	Tonnes Mt	Au g/t	Au Ounces	Tonnes Mt	Au g/t	Au Ounces
North East	0.2	4.0	31,000	1.4	2.1	94,000	3.3	1.7	178,000	4.9	1.9	303,000
Central	2.6	1.8	150,000	3.2	1.3	137,000	8.4	1.2	329,000	14.2	1.3	616,000
South West							2.2	1.2	84,000	2.2	1.2	84,000
Total	2.9	2.0	181,000	4.6	1.6	231,000	13.9	1.3	591,000	21.3	1.5	1,003,000

Note: Discrepancies in totals are a result of rounding

EGERTON:

The project includes the high grade Hibernian deposit which contains a resource of **116,400 tonnes @ 6.4 g/t gold for 24,000 ounces** in the Measured, Indicated and Inferred JORC categories (Table 6). The deposit lies on a granted mining lease and previous drilling includes high grade intercepts, **2m @ 147.0 g/t gold, 5m @ 96.7 g/t gold and 5m @ 96.7 g/t gold** associated with quartz veining in shallow south-west plunging shoots. The Hibernian deposit has only been drill tested to 70m below surface and there is strong potential to expand the current JORC Resource with drilling testing deeper extensions to known shoots and targeting new shoot positions.

Table 6: Egerton Project: Hibernian Deposit Mineral Resource (2.0g/t Au Cut-off)

Classification	Tonnes	Au g/t	Au Ounces
Measured Resource	32,100	9.5	9,801
Indicated Resource	46,400	5.3	7,841
Inferred Resource	37,800	5.1	6,169
Total	116,400	6.4	23,811

Gascoyne is continuing to evaluate the Glenburgh gold deposits to delineate meaningful increases in the resource base and progress project permitting, while also continuing to explore the Dalgara project with the view to moving towards a low capital cost development as rapidly as possible. The Company also has 100% ownership of the high grade Egerton project; where the focus has been to assess the economic viability of trucking high grade ore to either Glenburgh or to another processing facility for treatment and exploration of the high grade mineralisation within the region.

Further information is available at www.gascoyneresources.com.au

Competent Persons Statement

Information in this announcement relating to the Dalgara project is based on data compiled by Gascoyne's Chief Geologist Mr Julian Goldsworthy who is a member of The Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Mr Goldsworthy 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 Competent Persons under the 2012 Edition of the Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Goldsworthy consents to the inclusion of the data in the form and context in which it appears.

The Dalgara and Glenburgh Mineral Resources have been estimated by RungePincockMinarco Limited, an external consultancy, and are reported under the 2012 Edition of the Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves (see GCY-ASX announcement 15th March 2017 titled "Dalgara Gold Resource Increased to over 1.2Moz" and 24th July 2014 titled "High Grade Domains Identified Within Updated Glenburgh Gold Mineral Resource"). The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and, in the case of estimates of Mineral Resources that all material assumptions and technical parameters underpinning the estimate in the relevant 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 materially modified from the original market announcements.

The Dalgara Ore Reserve has been estimated by CSA Global Pty Ltd, an external consultancy, and are reported under the 2012 Edition of the Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves (see GCY-ASX announcement 24th November 2016 titled: Feasibility confirms Dalgara as a low cost/high margin 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 announcements and, in the case of estimates of Ore Reserves that all material assumptions and technical parameters underpinning the estimate in the relevant 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 materially modified from the original market announcements.

The Glenburgh 2004 JORC resource (released to the ASX on April 29th 2013) which formed the basis for the preliminary Feasibility Study was classified as Indicated and Inferred and as a result, is not sufficiently defined to allow conversion to an ore reserve; the financial analysis in the preliminary Feasibility Study is conceptual in nature and should not be used as a guide for investment. It is uncertain if additional exploration will allow conversion of the Inferred resource to a higher confidence resource (Indicated or Measured) and hence if a reserve could be determined for the project in the future. Production targets referred to in the preliminary Feasibility Study and in this report are conceptual in nature and include areas where there has been insufficient exploration to define an Indicated mineral resource. There is a low level of geological confidence associated with inferred mineral resources and there is no certainty that further exploration work will result in the determination of indicated mineral resources or that the production target itself will be realised. This information was prepared and first disclosed under the JORC Code 2004, the resource has now been updated to conform to the JORC 2012 guidelines. This new JORC 2012 resource, reported above, will form the basis for any future studies.

The information in this Report that relates to Mineral Resources for the Hibernian Deposit is based on information compiled by Mike Dunbar who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Dunbar is a full time employee of Gascoyne Resources Limited. Mr Dunbar is the Competent Person for this Mineral Resource estimate and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he has undertaken to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Dunbar consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

The Egerton Resource estimate and Gaffney's Find prospect historical exploration results have been sourced from Exterra Resources annual reports and other publicly available reports which have undergone a number of peer reviews by qualified consultants, who conclude that the resources comply with the JORC code and are suitable for public reporting. 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.

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

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.	The deposits and prospects has 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. .
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	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. Based on statistical analysis of these results, there is no evidence to suggest the samples are not representative.
	Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.	RC drilling was used to obtain 1m samples which were split by either cone or riffle 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 25g Fire Assay. Where anomalous results were detected, the single metre samples were collected for subsequent analysis, also via 25g Fire 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. The diamond drilling was undertaken as diamond tails to the recently completed RC holes. One of the holes was HQ (to allow metallurgical samples to be collected) the last two are NQ. The NQ holes will be sampled by ½ core sampling while the HQ hole will be ¼ core sampled. The samples are assayed using 50g charge fire assay with an AAS finish.
Drilling techniques	Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).	RC drilling 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 the recently completed RC holes. One of the holes was HQ (to allow metallurgical samples to be collected) the last three are NQ.
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed.	- 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 no core loss identified.

Criteria	JORC Code explanation	Commentary
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	- RC samples were visually checked for recovery, moisture and contamination. A cyclone and 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%
	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.	- 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. - 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.
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.	- 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.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.	- RC and AC chip logging recorded the lithology, oxidation state, colour, alteration and veining. - The Diamond core photographed tray by tray wet and dry.
	The total length and percentage of the relevant intersections logged.	All current drill holes are logged in full.
Sub-sampling techniques and sample preparation	If core, whether cut or sawn and whether quarter, half or all core taken.	Diamond drilling completed by Gascoyne Resources on the tenement has been ½ core (for NQ) 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.
	If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	RC chips were riffle or 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.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	- 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.
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	- Field QAQC procedures included the insertion of 4% certified reference 'standards' and 2% field duplicates for RC and AC drilling. - Diamond drilling has 4% certified standards included.
	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.	- Field duplicates were collected during RC and AC 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

Criteria	JORC Code explanation	Commentary
		the NQ hole sampled, while for the HQ, the left hand side of the left hand half was sampled.
	Whether sample sizes are appropriate to the grain size of the material being 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	The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.	- All RC samples were analysed using a 25g charge Fire Assay with an AAS finish which is an industry sample for gold analysis. A 25g aqua regia digest with an MS finish has been used for AC samples. Aqua regia can digest many different mineral types including most oxides, sulphides and carbonates but will not totally digest refractory or silicate minerals. Historically the samples have been analysed by both aqua regia digest and a leachwell process. Significant differences were recorded between these analytical techniques. - The diamond sampling will be assayed using fire assay with a 50g charge and an AAS finish, additional quartz washes of the grinding mills is undertaken by the lab, before and after samples which contain visible gold
	For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.	No geophysical tools etc. have been used at Dalgaranga.
	Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.	Field QAQC procedures include the insertion of both field duplicates and certified reference 'standards'. 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	The verification of significant intersections by either independent or alternative company personnel.	At least 3 company personnel verify all intersections.
	The use of twinned holes.	No twinned holes have been drilled to date by Gascoyne Resources.
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Field data is collected using Field Marshal software on tablet computers. The data is sent to Mitchell River Group for validation and compilation into an SQL database server
	Discuss any adjustment to assay data.	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	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.	At this stage drill collars have been surveyed by hand held GPS to an accuracy of about 3m. The RC and diamond drill holes will be picked up by DGPS in the future. 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
	Specification of the grid system used.	The grid system is MGA_GDA94 Zone 50

Criteria	JORC Code explanation	Commentary
	<i>Quality and adequacy of topographic control.</i>	The topographic surface has been sourced from historic data used during the operation of the mine. It is considered to be of sufficient quality to be valid for this stage of exploration.
Data spacing and distribution	<i>Data spacing for reporting of Exploration Results</i>	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.
	<i>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.</i>	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.
	<i>Whether sample compositing has been applied.</i>	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 riffle 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 collected for subsequent analyses.
Orientation of data in relation to geological structure	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i>	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 -60° which is close to perpendicular to the dip of the stratigraphy.
	<i>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.</i>	No orientation based sampling bias has been identified in the data at this point.
Sample security	<i>The measures taken to ensure sample security.</i>	Chain of custody is managed by Gascoyne Resources. RC Samples are delivered daily to the Toll depot in Mt Magnet by Gascoyne Resources personnel. Toll delivers the samples directly to the assay laboratory in Perth. In some cases company personnel have deliver the samples directly to the lab. Diamond drill core is transported directly to Perth for cutting and dispatch to the assay lab for analysis.
Audits or reviews	<i>The results of any audits or reviews of sampling techniques and data.</i>	Data is validated by Mitchell River Group whilst loading into database. Any errors within the data are returned to Gascoyne Resources for validation.

Section 2 Reporting of Exploration Results: Dalgaranga Project

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.	Dalgaranga project is situated on Mining Lease Number M59/749. The tenement is 100% owned by Gascoyne Resources.
	The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	The tenements are in good standing and no known impediments exist.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	The tenement areas has been previously explored by numerous companies including BHP, Newcrest and Equigold. Mining was carried out by Equigold in a JV with Western Reefs NL from 1996 – 2000.
Geology	Deposit type, geological setting and style of mineralisation.	Regionally, the Dalgaranga project lies in the Archean aged Dalgaranga Greenstone Belt in the Murchison Province of Western Australia. Gold mineralisation at the Gilbeys deposit is associated with quartz-pyrite-carbonate veins within a sheared porphyry-shale package and also occurs in the overlying weathered profile. At Golden Wings gold mineralisation is associated with sericite-chlorite- quartz schist after mafic rocks or sediments and quartz-pyrite-arsenopyrite plunging lodes within biotite-sericite-carbonate-pyrite schist.
Drill hole Information	- 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.	The recent Air Core (AC) drill holes are being reported in this announcement. See body of the text for sample results, collar coordinates and survey (azimuth, RL and dip) information in tables
Data aggregation methods	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.	All reported assays have been length weighted if appropriate. No top cuts have been applied. A nominal 0.2ppm Au lower cut off has been applied.
	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.	High grade Au intervals lying within broader zones of Au mineralisation are reported as included intervals. In calculating the zones of mineralisation a maximum of 4 metres of internal dilution is allowed unless otherwise noted.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalent values have been used.

Criteria	JORC Code explanation	Commentary
Relationship between mineralisation widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').	- The 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. - The Gilbeys deposit strikes around 45⁰ to the North East and dips west at approximately 70-80⁰
Diagrams	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	Refer to figures within body of text.
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.	Results from all holes where assays have been received are included in this announcement.
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.	No other significant exploration work had been completed by Gascoyne Resources.
Further work	The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).	Dalgaranga will continue to be drilled to extend the current resource at Gilbeys and delineate further resources at Golden Wings and other prospects including following up the significant results from the Hendricks prospect.
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	Refer to figures in body of text.