

## High Grade Results Expand Lucky Strike Footprint

### LEFROY EXPLORATION LIMITED

A Western Australian

Focused Gold Explorer

ASX Code: LEX

Shares on Issue:

81.0m

Current Share Price:

19c

Market Capitalisation:

\$15.4m

Board of Directors

Chairman

Gordon Galt

Non-Executive Directors

Michael Davies

Geoffrey Pigott

Managing Director

Wade Johnson

Flagship Exploration Project

Lefroy Gold Project

Growth Exploration Project

Lake Johnston Project

Australian Registered Office

Level 2, 11 Ventnor Avenue

West Perth, 6005

E: [info@lestroyex.com](mailto:info@lestroyex.com)

T: +61 8 9321 0984

ARBN: 052 123 930

[www.lestroyex.com](http://www.lestroyex.com)

### Highlights

- A 24-hole RC drill program has been completed at Lucky Strike and has intersected further multiple shallow zones of BIF hosted gold mineralisation
- Significant shallow oxide gold intersections include:
  - 8m at 3.02g/t Au from 21m in LEFR107  
incl. 2m at 10.2g/t from 21m
  - 1m at 10.5g/t Au from 12m in LEFR108
  - 10m at 1.46g/t Au from 19m in LEFR116
  - 16m at 2.53g/t Au from 44m in LEFR119
- Significant primary zone gold intersections from the lower BIF unit include:
  - 12m at 1.94g/t Au from 93m in LEFR109
  - 9m at 4.45g/t Au from 110m (to EOH) in LEFR120
- Gold mineralisation is now confirmed in multiple sub parallel BIF units over a 300m strike length that is open along strike and at depth and indicates that the current discovery is part of a larger system
- The intersection in LEFR120 is a newly recognised zone hosted by sulphide altered BIF and which is open along strike to the south east and at depth
- Diamond drilling is scheduled to commence in late March to evaluate the depth potential of the system

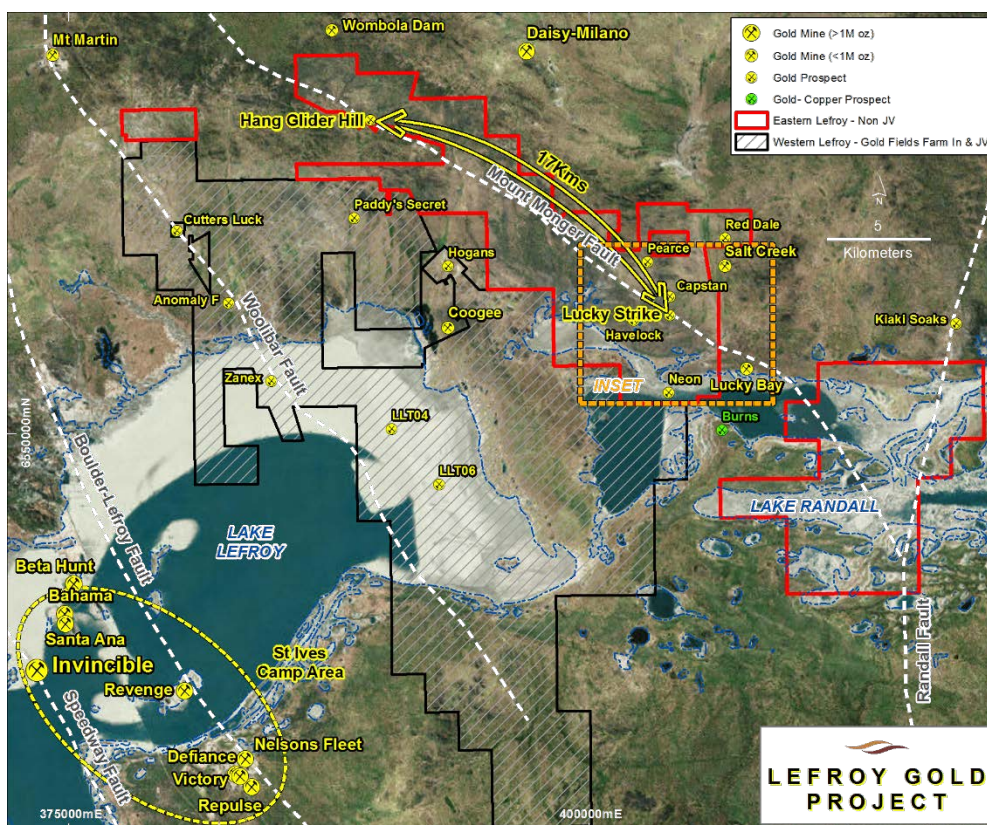
#### Managing Director, Wade Johnson, commented

*"The evolution of the Lucky Strike BIF hosted gold system continues to advance each time we conduct an RC drill program. We are excited by the recent results, and especially when they are placed in a regional context, they demonstrate the emergence of a larger regolith gold anomaly along the trend. The results will be integrated into the 3D model which will facilitate planning of the next phase of drilling involving deeper EIS co-funded diamond drilling which will commence later this month"*

The Board of Lefroy Exploration Limited (ASX: LEX) (“Lefroy” or “the Company”) is pleased to announce results from a recent program of reverse circulation (RC) drilling at Lucky Strike, within the Eastern Lefroy tenement package (Figure 1). Eastern Lefroy is part of the greater Lefroy Gold Project (LGP) located 50km to the south east of Kalgoorlie.

Lucky Strike is approximately 5km to the northwest of the high-grade Lucky Bay open pit, mined by Silver Lake Resources (ASX: SLR) during 2015, and is 5km south west of the Randalls Processing Plant operated by SLR (Figure 2).

The Lucky Strike Trend was identified as a prospective structural corridor, adjacent to the regional Mt Monger Fault, after integration of previous exploration with detailed ground gravity data. Gold mineralisation at Lucky Strike is hosted within Banded Iron Formations (BIF). The area near Lucky Strike is a continued high priority exploration focus for the Company, with gold systems identified at Havelock, Neon and Erinmore (Figure 2) highlighting district scale gold prospectivity.



**Figure 1** Lefroy Gold Project showing the Eastern and Western Lefroy and the location of Lucky Strike relative to the Hang Glider Hill gold prospect. Refer to Figure 2 for inset map of the Lucky Strike area.

The Company completed a twenty-four (24) hole reverse circulation(RC) drilling program (“program”) totaling 2227m at Lucky Strike in February to evaluate three key target areas: -

- a) Strike and down dip extensions to the shallow oxide hanging wall BIF;
- b) Strike and down dip extensions to the sulphide altered lower BIF;
- c) Footwall target zone-testing for additional BIF horizons between the lower BIF and the interpreted contact with the underlying basalt.

The results from the program (Table 1) continue to support and enhance the system. Gold mineralisation has been delineated in the BIF package over a 300m strike length (Figure 3), and remains open along strike and at depth. New zones of both shallow oxide and primary sulphide altered BIF continue to extend the system and further develop the evolving geological model. Importantly, integrating results from earlier wide spaced air core drilling along strike now demonstrates the 300m zone is part of a larger gold system that extends over a 700m strike length.

The RC drilling program successfully evaluated the three key target areas, with two that require further follow up and a third providing confirmation to support the geological model. The geology of the Lucky Strike prospect is interpreted by the Company to be a series of sub-parallel south dipping BIF units of variable thickness separated by beds of black shale (refer Figure 4). The footwall to this sequence is chlorite-biotite altered high Mg basalt (Figure 4), with the contact having been intersected in hole LEFR099.

The stratigraphy is cross cut by the northerly trending Pipe Fault that maybe a secondary control on gold mineralisation. The recent results further highlight and enhance the previously unexplored 150m of strike in the north western sector of Lucky Strike, west of the Pipe Fault, where multiple stacked BIF units have the potential to enhance the system (Figure 3).

Significant shallow oxide results from the upper BIF unit from this program include;

- **8m @3.02g/t Au from 21m in LEFR107**
- **1m @10.5g/t Au from 12m in LEFR108**
- **4m @2.74g/t Au from 18m in LEFR108**
- **16m @0.90g/t Au from 38m in LEFR110**
- **13m @0.93g/t Au from 20m in LEFR111**
- **10m @1.46g/t Au from 19m in LEFR116**

Several RC holes also successfully evaluated oxide mineralisation in the lower BIF unit with significant results as follows: -

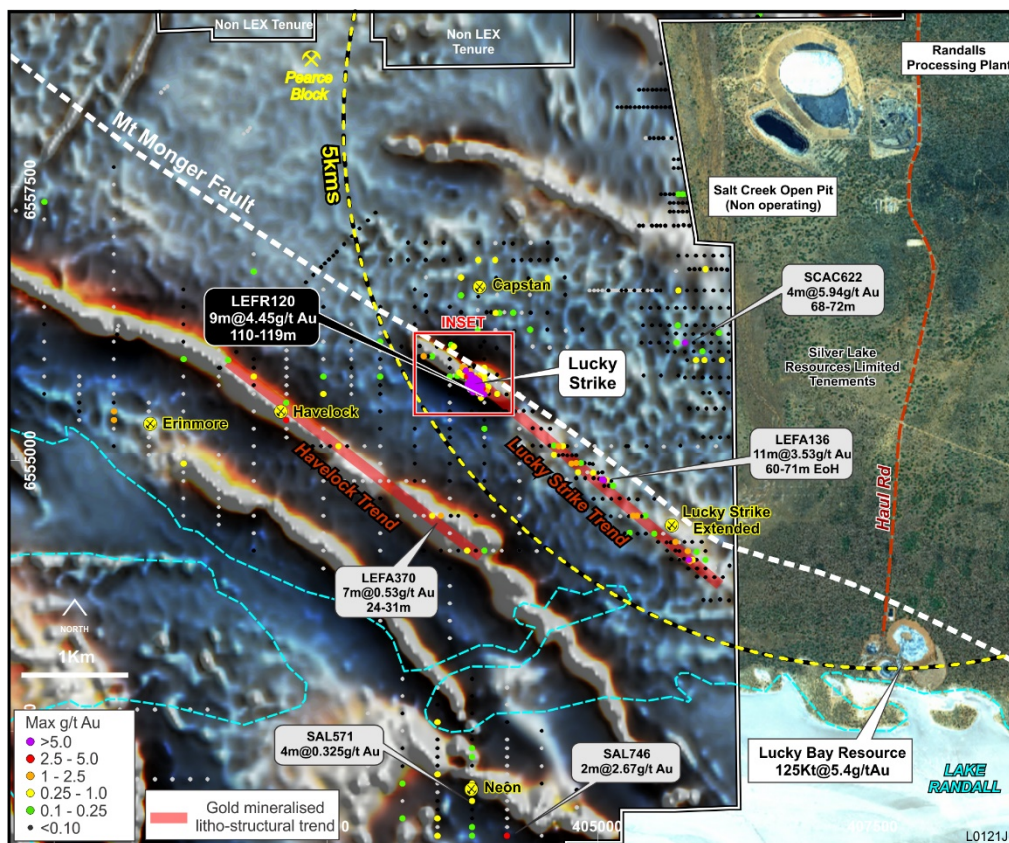
- **16m @2.53g/t Au from 44m in LEFR119  
incl. 6m @5.78g/t Au from 44m**
- **8m @1.77g/t Au from 20m in LEFR121**

The intersection in LEFR119 (Figure 4) is adjacent to a fold closure within the BIF unit. This thickening of the BIF unit provides an important structural position that has a recurrent theme at Lucky Strike.

Shallow oxide gold mineralisation at Lucky Strike is hosted within four key BIF units separated by shale. The BIF's currently form a broad 140m wide package that currently is proven to extend over approximately 300m of strike. The limits of the package are yet to determined.

The Company's current interpretation suggests that the BIF package is a tightly folded single BIF unit. The folding is interpreted to have a control on gold mineralisation and may assist to explain the variable continuity and distribution of gold intersections.

The package is oxidised to a depth from surface of approximately 70m, but this depth is variable between the alternating BIF-Shale units.



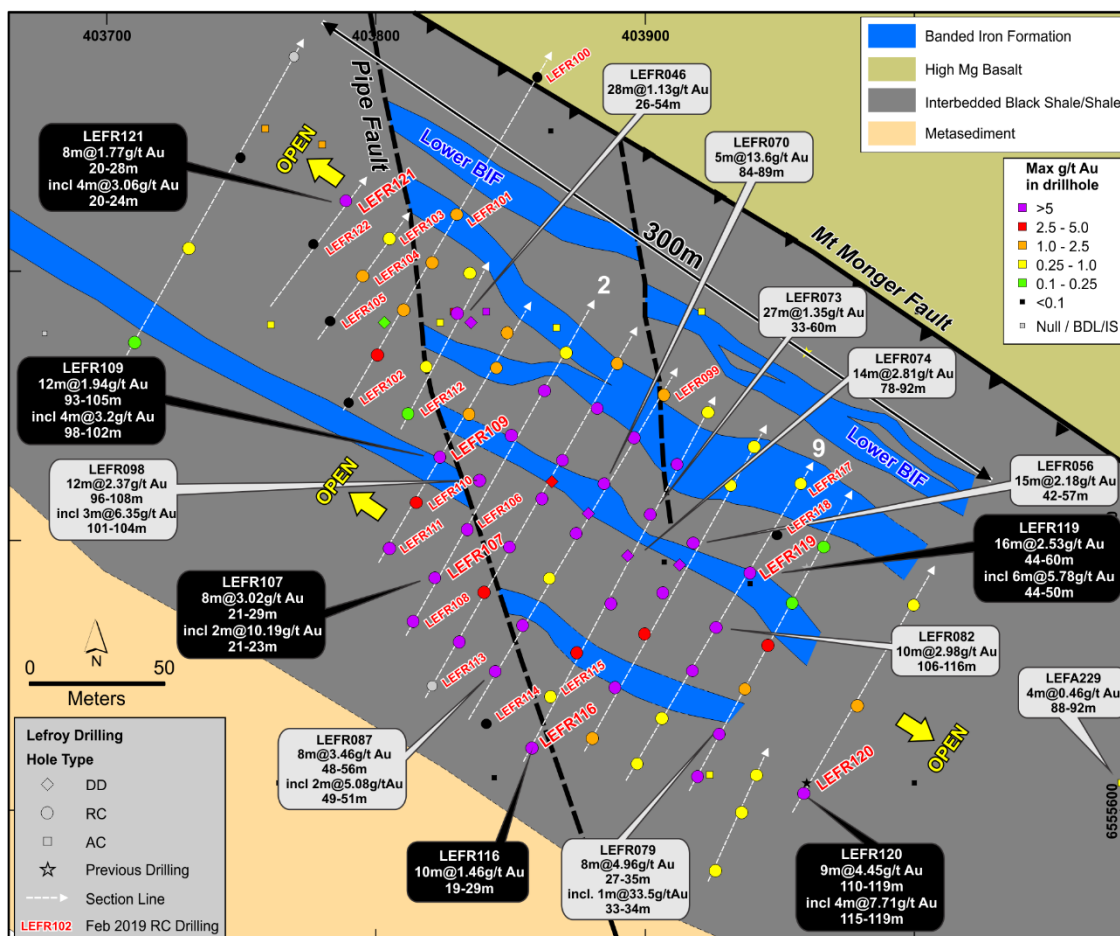
**Figure 2** Location of Lucky Strike along the Lucky Strike Trend relative to the Havelock BIF Trend, and Neon prospect superimposed on a grey scale geophysical image and proximity to the Randalls Processing Facility (SLR) infrastructure. The key Lucky Strike trend gold intersections are also highlighted (refer to Figure 3&4 for detailed inset map and recent drilling).

In addition to the focus on the shallow oxide BIF position, and in the course of evaluating the upper BIF units, five holes (LEFR102,106,109,110 &112) were extended to evaluate the entire BIF package and ultimately test the lower BIF. Two holes successfully confirmed a new zone of gold mineralisation at depth in the lower BIF that is open along strike and down dip.

The significant result from this program recorded **12m @1.94g/t Au from 93m in LEFR109, including 4m @3.20g/t from 98m** hosted by sulphide altered BIF that is open.

RC hole (LEFR120) evaluated a geophysical target and the extension of the BIF package at the most south eastern extent of the system (Figure 3). The hole intersected a thick BIF unit and terminated in sulphide altered BIF with a significant intersection of **9m @4.45g/t Au from 110m to end of hole (EOH), including 4m @7.71g/t Au from 115m**. This is a new and exciting development at Lucky Strike, an intersection that is open along strike and at depth.

Significantly,130m along strike to the south east of LEFR120, a previous aircore hole (LEFA229) drilled by the Company in 2017 intersected **4m @0.46g/t Au from 88m** (Figure 4) in an oxidised magnetic rock that included minor pyritic quartz veining. The Company now interprets this intersection to be an extension of Lucky Strike BIF package and demonstrates the growing scale of the system.



**Figure 3** Lucky Strike geology and drill hole plan view highlighting key recent and earlier drill intersections. Note LEFA 229 to right side of Figure. The opportunity to extend the system is shown by the yellow open symbols (refer to Figure 4 for drill section 9).

The results from the recent program continue to enhance and deliver robust, broad gold intersections from the sections drilled, and further support the developing geological model of a semi-coherent plunging high-grade component to the folded multiple BIF units. Importantly, the recent results also continue to enhance and extend the shallow oxide gold mineralisation to the west of the Pipe Fault.

Lucky Strike has been drilled on a regular 20mx20m grid pattern, with BIF hosted gold mineralisation intersected over a 300m strike length and to approximately 100m vertical. Approximately 70m vertical depth is oxidised. The Company considers much of the mineralisation discovered to date to be hosted in the oxide zone or regolith. When combined with previous wide spaced air core drill holes along strike (eg LEFA229) it demonstrates the extent of a broad system, that is considered as a large geochemical gold anomaly.

The deeper drilling completed has generated variably distributed high-grade gold mineralisation associated with sulphide replacement of the BIF.

The Company interprets that the mineralisation discovered to date (both oxide and primary) from the RC drilling to be a large geochemical anomaly (700m strike length) that represents a deeper primary zone along the trend.

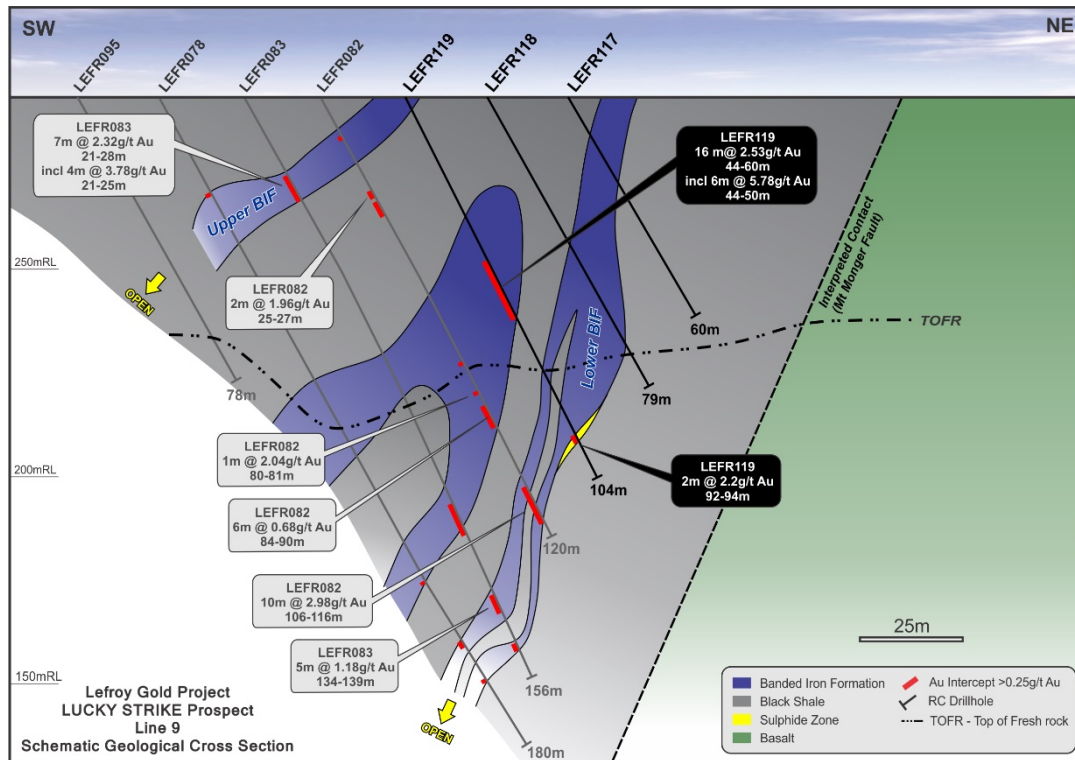


Figure 4 RC drill section 9 highlighting recent drill holes LEFR117-119.

**Next Steps**

The next phase of evaluation of Lucky Strike will involve 2-3 deep (300-400m) RC pre-collared diamond holes. These holes will be co-funded with a \$100,000 grant through the WA State Government’s Exploration Incentive Scheme (EIS) (refer LEX:ASX release 2 June 2018)

This program is scheduled to commence in late March.

**Table 1: 2019 RC Drilling-Eastern Lefroy Gold Project-Lucky Strike Prospect**

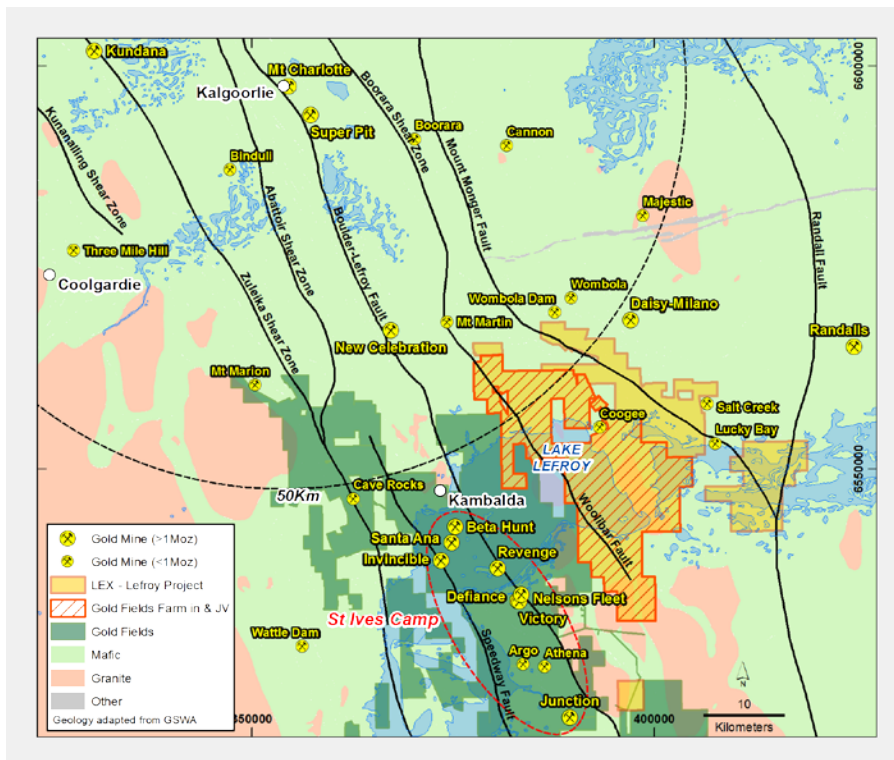
RC drill hole intersections tabulated below are calculated with a 0.25g/t Au lower cut for the entire drill program. These represent the intersections from individual 1m composite sample results and include 2m of internal dilution.

Hole ID	Collar N (MGA)	Collar E (MGA)	Collar RL	Hole Depth (m)	Dip	Azimuth	Depth From (m)	Depth To (m)	Downhole Intersection (m)	Au Value (g/t)
LEFR099	403909	6555757	291	123	-55	30	20	21	1	1.22
LEFR099	403909	6555757	291	123	-55	30	24	32	8	0.37
LEFR099	403909	6555757	291	123	-55	30	35	36	1	0.46
LEFR101	403830	6555821	291	43	-60	30	21	22	1	1.12
LEFR101	403830	6555821	291	43	-60	30	25	26	1	0.35
LEFR103	403803	6555813	290	72	-60	30	26	27	1	0.37
LEFR103	403803	6555813	290	72	-60	30	32	34	2	0.68
LEFR104	403793	6555796	291	72	-60	30	54	56	2	1.29
LEFR106	403832	6555703	292	139	-60	30	36	38	2	4.09
LEFR107	403821	6555686	292	100	-60	30	21	29	8	3.02
<b>Including</b>							21	23	2	10.19
LEFR107	403821	6555686	292	100	-60	30	39	44	5	0.54
LEFR107	403821	6555686	292	100	-60	30	61	62	1	0.54
LEFR107	403821	6555686	292	100	-60	30	84	85	1	0.47
LEFR108	403813	6555669	292	90	-60	30	12	13	1	10.5
LEFR108	403813	6555669	292	90	-60	30	18	22	4	2.74
LEFR108	403813	6555669	292	90	-60	30	77	79	2	0.3
LEFR109	403824	6555730	292	119	-60	30	93	105	12	1.94
<b>Including</b>							98	102	4	3.2
LEFR110	403814	6555712	292	144	-60	30	38	54	16	0.9
<b>Including</b>							38	40	2	3.44
LEFR111	403804	6555695	292	84	-60	30	20	33	13	0.93
<b>Including</b>							20	22	2	4.13
LEFR111	403804	6555695	292	84	-60	30	40	44	4	2.82
<b>Including</b>							42	44	2	5.31
LEFR111	403804	6555695	292	84	-60	30	49	50	1	0.25
LEFR111	403804	6555695	292	84	-60	30	63	64	1	6.99
LEFR115	403864	6555641	292	69	-60	30	26	27	1	0.26
LEFR115	403864	6555641	292	69	-60	30	49	50	1	0.35
LEFR116	403856	6555623	291	79	-60	30	19	29	10	1.46
LEFR117	403958	6555719	290	59	-60	30	31	34	3	0.32
LEFR119	403938	6555686	291	59	-62	30	44	60	16	2.53
<b>Including</b>							44	50	6	5.78
LEFR119	403938	6555686	291	104	-62	30	92	94	2	2.2
LEFR120	403959	6555603	290	119	-60	30	110	119	9	4.45
<b>Including</b>							115	119	4	7.71
LEFR121	403787	6555825	290	64	-60	30	0	4	4	2.36
<b>Including</b>							1	2	1	7.6
LEFR121	403787	6555825	290	64	-60	30	7	8	1	0.33
LEFR121	403787	6555825	290	64	-60	30	20	28	8	1.77
<b>Including</b>							20	24	4	3.06
LEFR121	403787	6555825	290	64	-60	30	32	33	1	0.35

## About Lefroy Exploration Limited and the Lefroy Gold Project

Lefroy Exploration Limited is a WA based and focused explorer taking a disciplined methodical and conceptual approach searching for high value gold deposits in the Yilgarn Block of Western Australia. Key projects include the Lefroy Gold Project to the south east of Kalgoorlie and the Lake Johnston Project 120km to the west of Norseman.

The 100% owned Lefroy Gold Project contains mainly granted tenure and covers 598km<sup>2</sup> in the heart of the world class gold production area between Kalgoorlie and Norseman. The Project is in close proximity to Gold Fields' St Ives gold camp, which contains the Invincible gold mine located in Lake Lefroy and is also immediately south of Silver Lake Resources' (ASX:SLR) Daisy Milano gold mining operation. The Project is divided into the Western Lefroy package, subject to a Farm-In Agreement with Gold Fields and the Eastern Lefroy package (100% Lefroy owned). The Farm-In Agreement with Gold Fields over the Western Lefroy tenement package commenced on 7 June 2018. Gold Fields can earn up to a 70% interest in the package by spending up to a total of \$25million on exploration activities within 6 years of the commencement date.



**Location of the Lefroy Gold Project relative to Kalgoorlie, major gold deposits in the district and land holdings of Gold Fields, Northern Star Resources Ltd and Silver Lake Resources Limited.**

**For Further Information please contact:**

**Wade Johnson**

**Managing Director**

**Telephone: +61 8 93210984**

**Email: [wjohnson@lestroyex.com](mailto:wjohnson@lestroyex.com)**



## Notes Specific-ASX Announcements

The following announcements were lodged with the ASX and further details (including supporting JORC Reporting Tables) for each of the sections noted in this Announcement can be found in the following releases. Note that these announcements are not the only announcements released to the ASX but specific to exploration reporting on Lucky Strike and the Lucky Strike Trend at the Lefroy Gold Project.

- Lefroy Commences Exploration: 24 October 2016
- Lefroy Commences Drilling at Lucky Strike: 17 November 2016
- Managing Directors AGM Presentation: 5 December 2016
- Drilling at Lucky Strike Supports and Extends Gold Trend: 23 December 2016
- Exploration Update: Aircore Drilling to Recommence at Lucky Strike: 29 March 2016
- Significant Intersections at Lucky Strike Prospect: 18 April 2017
- Aircore Drill results enhance the Lucky Strike Trend: 7 July 2017
- Exploration Update: Diamond Drilling Commences at the Lucky Strike Trend: 31 August 2017
- High Grade Gold Mineralisation Intersected at Lucky Strike: 21 September 2017
- September 2017 Quarterly Activities Report: 25 October 2017
- RC Drilling Commenced at Lucky Strike: 23 November 2017
- RC Drill Results Enhance Lucky Strike Gold Discovery: 12 December 2017
- Exploration Update: RC Drilling Underway at Lucky Strike: 25 January 2018
- Drill Results Extend Gold Mineralisation at Lucky Strike: 14 February 2018
- March 2018 Quarterly Activities Report: 27 April 2018
- High Grade Gold Intersected at Lucky Strike: 16 May 2018
- Lucky Strike Update Successful EIS grant: 2 June 2018
- High Grade Gold Mineralisation at Lucky Strike: 15 June 2018
- Lucky Strike Drilling Update: 3 October 2018
- Exploration Update: RC drilling commenced at Lucky Strike: 19 November 2018
- Drilling at Lucky Strike enhances Oxide Gold Zone: 3 December 2018
- High Grade Results Continue to Enhance Lucky Strike: 7 January 2019

*The information in this announcement that relates to exploration targets and exploration results is based on information compiled by Wade Johnson a competent person who is a member of the Australian Institute of Geoscientists (AIG). Wade Johnson is employed by Lefroy Exploration Limited. Wade has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 edition of the JORC Code. Wade Johnson consents to the inclusion in this announcement of the matters based on his work in the form and context in which it appears.*

**JORC CODE, 2012 Edition-Table 1 Report –Lefroy Project –Lucky Strike Prospect February 2019 RC Drilling-1m split samples**

**SECTION 1: SAMPLING TECHNIQUES AND DATA**

Criteria	JORC Code Explanation	Commentary
<b>Sampling techniques</b>	<ul style="list-style-type: none"> <li><i>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.</i></li> <li><i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i></li> <li><i>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.</i></li> </ul>	<ul style="list-style-type: none"> <li>The sampling noted in this release has been carried out using Reverse Circulation (RC) drilling at the Lucky Strike Prospect. The RC program comprised 24 angled holes for 2227m, holes varying in depth from 43-144m with an average depth of 90m. All holes were drilled -60° (dip) and toward 030° (Azimuth) spaced along 20m centres.</li> <li>Sampling and QAQC protocols as per industry best practice with further details below.</li> <li>RC samples were collected from the cyclone at 1m intervals in plastic buckets and arranged in rows of 10 or 20 samples. 1m split samples were collected from 0m to end of hole (EOH). 1m split samples directly off the drill rig cone splitter attached to the cyclone were collected to produce a 2-3kg sample. 4m composite samples were collected using a scoop to produce a 2-3kg sample from 0m to end of hole collected from the bulk samples. Upon receipt of the 4m composite results 1m samples were then taken (already collected at time of drilling) from anomalous gold intervals outlined from the 4m composite samples. The 1m samples were sent to the Laboratory in Kalgoorlie for analysis. The samples were dried, pulverised, split to produce a 40g charge for analysis by fire assay with Au determination by Atomic Absorption Spectrometry (AAS).</li> </ul>
<b>Drilling techniques</b>	<ul style="list-style-type: none"> <li><i>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).</i></li> </ul>	<ul style="list-style-type: none"> <li>The Reverse Circulation (RC) drilling was completed by a KWL350 RC rig from Challenge Drilling (Kalgoorlie). Low air face sampling hammer drilling proved satisfactory to penetrate the regolith and reduce contamination risk.</li> </ul>
<b>Drill sample recovery</b>	<ul style="list-style-type: none"> <li><i>Method of recording and assessing core and chip sample recoveries and results assessed.</i></li> <li><i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i></li> <li><i>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.</i></li> </ul>	<ul style="list-style-type: none"> <li>The majority (&gt;95%) of samples remained dry with good recovery obtained. Where samples were wet/moist or experienced less than desired recovery this was instantly evident in size of the bulk sample laid on the ground and was carefully recorded by a Lefroy representative on hard copy sample sheets.</li> <li>Drilling with care (eg. clearing hole at start of rod, regular cyclone cleaning) if water encountered, to reduce incidence of wet – sticky sample and cross contamination, the cyclone was cleaned out again at the end of each drill rod.</li> <li>Below 100m down-hole depth, water ingress into the hole could be problematic, this was anticipated and measures such as increasing the collar casing depth at the start of the hole greatly improved the sample quality and helped keep the samples dry. If the sample was wet this was recorded by Lefroy field personnel. Insufficient sample population to determine whether relationship exists between sample recovery and grade. The quality of the sample (wet, dry, low recovery) was recorded during logging.</li> </ul>

Criteria	JORC Code Explanation	Commentary
<b>Logging</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</li> <li>• The total length and percentage of the relevant intersections logged.</li> </ul>	<ul style="list-style-type: none"> <li>• Detailed logging of, regolith, lithology, structure, veining, alteration, mineralisation and recoveries recorded in each hole by qualified geologist.</li> <li>• Logging carried out by sieving individual 1m sample cuttings, washing in water and the entire hole collected in plastic chip trays for future reference.</li> <li>• Every hole was logged for the entire length.</li> </ul>
<b>Sub-sampling techniques and sample preparation</b>	<ul style="list-style-type: none"> <li>• If core, whether cut or sawn and whether quarter, half or all core taken.</li> <li>• If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</li> <li>• For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>• Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</li> <li>• 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.</li> <li>• Whether sample sizes are appropriate to the grain size of the material being sampled.</li> </ul>	<ul style="list-style-type: none"> <li>• No core drilling completed</li> <li>• Sampling of 1m intervals directly off a rig-mounted cone splitter into calico bags. Sample weight 2 - 3 kg. 4m composite samples were collected, from 0m to EOH. 4m composite samples were collected by using a scoop to collect a representative "split" from each bulk sample that made up a 4m composite interval, this was placed into a pre-numbered calico bag. Pre-numbered calico bags containing the samples were despatched to the laboratory for assay. Upon receipt of results for 4m composite samples, selected 1m resplit samples were collected in the field for submission by the same fire assay technique.</li> <li>• The sample preparation of the RC samples follows industry best practice, involving oven drying, pulverising, to produce a homogenous sub sample for analysis.</li> <li>• Along with submitted samples, standards and blanks were inserted on a regular basis where the pre-numbered calico bag ended with the numbers 20, 40, 60, 80 and 100. Standards were certified reference material prepared by Geostats Pty Ltd. Duplicate samples were collected at zones of interest and at irregular intervals of about 2 per hole.</li> </ul>
<b>Quality of assay data and laboratory tests</b>	<ul style="list-style-type: none"> <li>• The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</li> <li>• 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.</li> <li>• 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.</li> </ul>	<ul style="list-style-type: none"> <li>• Samples routinely analysed for gold using the 40gram Fire Assay digest method with an AAS finish at Bureau Veritas's Kalgoorlie Laboratory.</li> <li>• Quality control process and internal laboratory checks demonstrate acceptable levels of accuracy. At the laboratory regular assay repeats, lab standards, checks and blanks were analysed.</li> </ul>
<b>Verification of sampling and assaying</b>	<ul style="list-style-type: none"> <li>• The verification of significant intersections by either independent or alternative company personnel.</li> <li>• The use of twinned holes.</li> <li>• Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</li> <li>• Discuss any adjustment to assay data.</li> </ul>	<ul style="list-style-type: none"> <li>• The results have been reviewed and verified by alternative company personnel.</li> <li>• No holes were twinned.</li> <li>• Capture of field logging is electronic using Toughbook hardware and Logchief software. Logged data is then exported as an excel spreadsheet to the Company's external database managers which is then loaded to the Company's DATASHED database and validation checks completed to ensure data accuracy. Assay files are received electronically from the laboratory and filed to the Company's server, and provided to the external database manager.</li> <li>• There has been no adjustment to the assay data. The primary gold (Au) field reported by the laboratory is the priority value used for plotting, interrogating and reporting.</li> </ul>

Criteria	JORC Code Explanation	Commentary
<b>Location of data points</b>	<ul style="list-style-type: none"> <li>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.</li> <li>Specification of the grid system used.</li> <li>Quality and adequacy of topographic control.</li> </ul>	<ul style="list-style-type: none"> <li>Drill hole positions were surveyed using a DGPS operated by a third-party contracting surveyor. The same contractor was used once drilling was completed to pick-up collar positions using a DGPS. Down holes surveys were completed by Challenge drill crew using a gyro and recording a survey every &lt;30m down the hole.</li> <li>Grid System – MGA94 Zone 51. Topographic elevation captured by using the differential GPS.</li> </ul>
<b>Data spacing and distribution</b>	<ul style="list-style-type: none"> <li>Data spacing for reporting of Exploration Results.</li> <li>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.</li> <li>Whether sample compositing has been applied.</li> </ul>	<ul style="list-style-type: none"> <li>Hole spacing at nominal 20m centres on 030<sup>o</sup> orientated drill lines with line spacing 20m to the NW and SE of previous Lefroy drilling.</li> <li>Mineralisation at Lucky Strike is constrained to a particular iron rich geological unit logged as a SIF (sedimentary iron formation). Holes were sampled using 4m composite samples for the entire length of the hole. Where SIF was logged by the geologist and/or &gt;0.1g/t Au in collected 4m composite samples was intercepted, 1m samples were collected and sent to the laboratory for analysis by fire assay.</li> </ul>
<b>Orientation of data in relation to geological structure</b>	<ul style="list-style-type: none"> <li>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>The North-East orientated drill traverses considered effective to evaluate the roughly North-West trending banded iron formation (BIF) stratigraphic unit which is interpreted to be the prospective host rock. The RC drill holes were intended as follow-up work to assess previous Lefroy AC and DD drill holes which were orientated on East-West drill lines which intercepted high gold grades and favourable geology.</li> <li>The new orientation is considered to be a more effective test of “true” width of the host rock due to the fact the host rock unit is striking roughly North-West/South-East.</li> </ul>
<b>Sample security</b>	<ul style="list-style-type: none"> <li>The measures taken to ensure sample security.</li> </ul>	<ul style="list-style-type: none"> <li>Samples were bagged in labelled and numbered polyweave or plastic bags, collected and personally delivered to the Bureau Veritas Laboratory (Kalgoorlie) by Company field personnel. Samples were then sorted and checked for inconsistencies against lodged Submission sheet by Bureau Veritas staff.</li> <li>Bureau Veritas checked the samples received against the Lefroy Exploration Limited (LEX) submission sheet to notify of any missing or extra samples. Following analysis, the sample, pulps and residues are retained by the laboratory in a secure storage yard.</li> </ul>
<b>Audits or reviews</b>	<ul style="list-style-type: none"> <li>The results of any audits or reviews of sampling techniques and data.</li> </ul>	<ul style="list-style-type: none"> <li>All sampling and analytical results of the drill program were reviewed by the Senior Exploration Geologist and Managing Director. Anomalous gold intersections were checked against library chip trays to correlate with geology. No specific audits or reviews have been conducted.</li> </ul>

## Section 2: REPORTING OF EXPLORATION RESULTS – LEFROY PROJECT- Lucky Strike Prospect-February 2019 RC

### Drilling -1m split samples

Criteria	JORC Code Explanation	Commentary
<b>Mineral tenement and land tenure status</b>	<ul style="list-style-type: none"> <li>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.</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>The Lefroy Project is located approximately 50 km in south east from Kalgoorlie, Western Australia and consists of a contiguous package of wholly owned tenements held under title by LEX or its wholly owned subsidiary's Hogans Resources Pty Ltd. The work described in this report was completed on Exploration Licence</li> <li>E 26/183 held 100% by Monger Exploration Pty Ltd a wholly owned subsidiary of Lefroy Exploration Limited</li> <li>The tenement is current and in good standing with the Department of Mines and Petroleum (DMP) of Western Australia.</li> </ul>
<b>Exploration done by other parties</b>	<ul style="list-style-type: none"> <li>Acknowledgment and appraisal of exploration by other parties.</li> </ul>	<ul style="list-style-type: none"> <li>Some previous exploration work was completed on the Lucky Strike trend by Integra Mining Limited, Western Mining and Octagonal Resources. The bulk of this work included phases of Aircore (AC). This work identified mineralisation along the trend, however no previous explorer had produced the gold grades Lefroy has identified.</li> </ul>
<b>Geology</b>	<ul style="list-style-type: none"> <li>Deposit type, geological setting and style of mineralisation.</li> </ul>	<ul style="list-style-type: none"> <li>The Lefroy Project is located in the southern part of the Norseman Wiluna Greenstone Belt and straddles the triple junction of three crustal units, the Parker, Boorara and Bulong Domain. The Lefroy project tenements are mostly covered by alluvial, colluvial and lacustrine material with very little outcrop. Lucky Strike is hosted in banded iron formation within a thin (&lt;300m approx.) package of metamorphosed sediments, sandwiched between basalt and high Mg basalt stratigraphy. It lies proximal to the GSWA's interpreted position for the domain bounding north-west trending Mount Monger Fault. It is unknown what the relationship is between these sediments and the surrounding mafic stratigraphy and how that fits in with the well-studied stratigraphy of the Kalgoorlie Terrane.</li> </ul>
<b>Drill hole Information</b>	<ul style="list-style-type: none"> <li>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: <ul style="list-style-type: none"> <li>easting and northing of the drill hole collar</li> <li>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>dip and azimuth of the hole</li> <li>down hole length and interception depth</li> <li>hole length.</li> </ul> </li> <li>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</li> </ul>	<ul style="list-style-type: none"> <li>Table containing drill hole collar, survey and intersection data for material (gold intersections &gt;0.25gpt Au with a max of 2m internal dilution) drill holes are included in the Table in the body of the announcement.</li> <li>No Information has been excluded.</li> </ul>

<b>Criteria</b>	<b>JORC Code Explanation</b>	<b>Commentary</b>
<b>Data aggregation methods</b>	<ul style="list-style-type: none"> <li><i>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.</i></li> <li><i>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.</i></li> <li><i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i></li> </ul>	<ul style="list-style-type: none"> <li>All report grades have been length weighted. High grades have not been cut. A lower cut off of 0.25gpt Au has been used to identify significant results (intersections).</li> <li>Where present, higher grade values are included in the intercepts table and assay values equal to or &gt; 1.0 g/t Au have been stated on a separate line below the intercept assigned with the text 'includes'.</li> <li>Reported RC results have been calculated using 1m split samples. No metal equivalent values or formulas used.</li> </ul>
<b>Relationship between mineralisation widths and intercept lengths</b>	<ul style="list-style-type: none"> <li><i>These relationships are particularly important in the reporting of Exploration Results.</i></li> <li><i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i></li> <li><i>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').</i></li> </ul>	<ul style="list-style-type: none"> <li>All results are based on down-hole metres.</li> <li>Previous drill coverage has provided guidance for the presence of steeply dipping stratigraphy comprising a sedimentary package of rocks containing banded iron formations (BIF) which provide a good host rock for gold mineralisation. A ground magnetic survey completed in 2018 over the area of interest confirms a NW strike of the magnetic sediments within the stratigraphy and hence has guided the orientation of drilling for this program. Structural measurements on orientated diamond drill core from a previous Lefroy Exploration drill program also assisted in decided which orientation to drill these follow up RC holes. Results from this drill program do not represent 'true widths' however holes are designed to intercept the host sequence perpendicular to its strike.</li> </ul>
<b>Diagrams</b>	<ul style="list-style-type: none"> <li><i>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.</i></li> </ul>	<ul style="list-style-type: none"> <li>Appropriate summary diagrams (section &amp; plan) are included in the accompanying announcement.</li> </ul>
<b>Balanced reporting</b>	<ul style="list-style-type: none"> <li><i>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.</i></li> </ul>	<ul style="list-style-type: none"> <li>Significant assay results are provided in Table 1 for the recent LEX RC drill program.</li> <li>Drill holes with no significant results are not reported.</li> <li>Significant assay results from historical drilling are noted in the body of the report.</li> </ul>
<b>Other substantive exploration data</b>	<ul style="list-style-type: none"> <li><i>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.</i></li> </ul>	<ul style="list-style-type: none"> <li>All relevant data has been included within this report.</li> </ul>
<b>Further work</b>	<ul style="list-style-type: none"> <li><i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i></li> <li><i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i></li> </ul>	<ul style="list-style-type: none"> <li>The appropriate next stage of exploration planning is currently underway and noted in the body of the report.</li> </ul>