28 September 2022 ASX Announcement
ASX Code: SRN

YIDBY GOLD PROJECT (100%)

SUCCESSFUL DRILL TESTING OF MMI GEOCHEMICAL ANOMALIES CONFIRMS 2 NEW GOLD MINERALISED PROSPECTS

- **150m** west of Yidby deposit "Marshall" zone wide intersections of gold in schist.
- 400m north-west of Yidby deposit "Fender" zone wide intersections of gold in Quartz Felsic Porphyries.
- **Diamond drilling** has commenced.
- Prospects Feature:
 - o Continued Wide Gold Intersections up to 60m
 - High Grade Gold Intersections up to 10g/t Au

Surefire Resources NL (ASX: SRN) is delighted to report that a review and assessment of 4m composite assays and the initial 1m assays from reverse circulation (RC) holes drilled to test previously untested Mobile Metal Ion (MMI) gold geochemistry gold anomalies during the July drilling campaign on its 100% owned Yidby Gold Project is completed. This program of drill testing MMI anomalies which consisted of 23 RC drill holes for a total of 2,754m (ASX: 3 August 2022) and resulted in the discovery of 2 additional, new, wide zones of gold mineralisation parallel and to the west of Yidby Gold Deposit called "Marshall" and "Fender".

Refer Figure 1 (below) An elevated oblique image of the 3 Yidby gold prospects.

Yidby Gold Deposit

A recognisable feature of the Yidby Deposit is the wide gold mineralised drilling intersections with local patches of high tenor gold grades, e.g.

YBRC007		56m	@	1.97	g/t Au	from	44m
	Including	4m	@	14.47	g/t Au	from	68m

(ASX: 22 February 2021)

Marshall Prospect

The Marshall Prospect is a gold mineralised zone, parallel to, and located approximately 150m to the west of the Yidby Gold deposit. The central gold mineralisation is hosted within a foliated to schistose mafic to ultra-mafic featuring localised quartz felsic porphyries and quartz lodes. The gold mineralisation within the discovery hole, YBRC059, is the same as the gold intersections from within the Yidby Road deposit. Discovery hole YBRC059 displays a wide gold mineralised zone with a localised patch of high gold grade within a quartz lode (ASX: 3 August 2022).

YBRC059		60m	@	1.04	g/t Au	from	32m
	Including	4m	@	10.04	g/t Au	from	72m

Fender Prospect

The Fender prospect features wide continuous gold mineralisation associated with arsenopyrite on the chilled margin of multiple, wide, north – south striking subvertical quartzose feldspathic porphyry intrusives. The Fender discovery hole (ASX: 3 August 2022), intersected a wide 90m down hole zone of abundant, (to 10%), arsenopyrite occurring as irregular blebs to a few millimetres in size, associated with the quartzose feldspathic porphyry intrusives, resulting in the following intersections:

YBRC069		20m	@	0.4	g/t Au	from	104m
	And	32m	@	0.32	g/t Au	from	144m

The hole was planned for 100m depth however the intersection of arsenopyrite at 96m resulted in extending the drill hole to 184m. The holes to the south YBRC054 and YBRC018 were drilled earlier, to 100m and 99m respectively, it now appears they were too far to the east and missed the southern extension of the gold mineralisation in YBRC069. The intrusives are the same as the porphyries intersected in the Yidby Road drilling.

Arsenopyrite is predominantly found in hydrothermal and magmatic ore deposits and is commonly associated with gold mineralisation.

Recent drill hole:

VRRCOFF	20	<u> </u>	0.20	~/+ A	£	20
YBRC055	36M	w	0.36	g/t Au	Jrom	zem į

highlights what is expected to be a N-S striking zone of quartzose feldspathic porphyry intrusives parallel to the **YBRC069 gold mineralisation detailed above** also exhibits a quartzose felsic porphyry with arsenopyrite from 22m to 79m down hole. Located thirty metres to the north, recent 1m cyclone split samples in drill hole:

YBRC024		48m	@	0.71	g/t Au	from	14m
	Including	19m	@	1.38	g/t Au	from	14m

in quartz felsic porphyry is now recognised as an additional parallel porphyry within the Western Zone. (YBRC024 4m composite sampling was reported to the ASX: 21 March 2022)

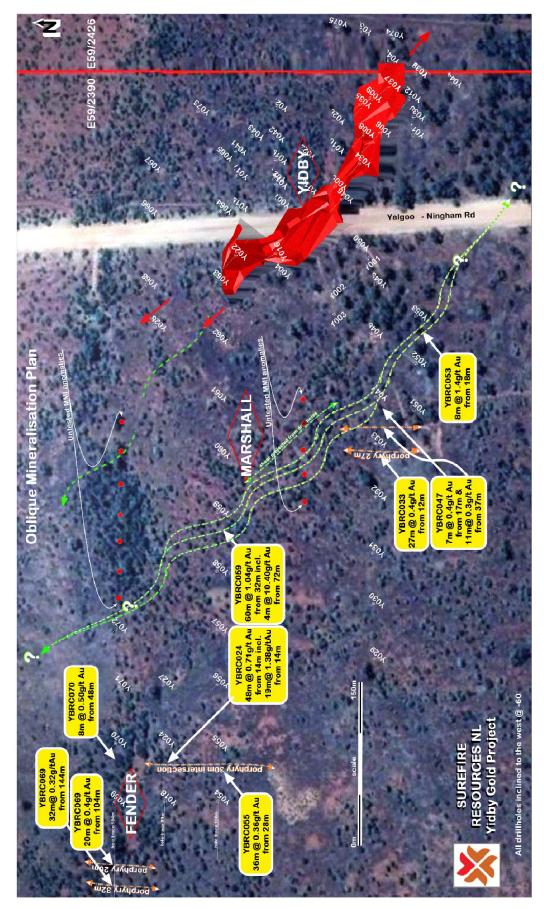


Figure 1 – Oblique view of the Yidby Gold Area (L=>R) Fender, Marshall & Yidby

28 September 2022 ASX Announcement
ASX Codes: SRN

The Surefire Gold Mineralisation Model

The Surefire model, built from both regional and local interpretation of lithology, structure and magnetics, predicts that competency contrasts between the more ductile mafic / ultramafic country rock and the brittle, late-stage quartz porphyry intrusives are considered ideal hosts for higher tenor and wider gold mineralisation.

Follow up Drilling

Follow up drilling planned for the Yidby Gold Project comprises both exploration and development.

Diamond Drilling – now underway

A program of 6 oriented diamond drillholes, totalling approximately 800m has commenced at the Surefire Yidby Gold Project. The diamond drilling is planned to obtain a better understanding of the structural elements and lithologies within the Yidby gold mineralisation. Yidby has no surface outcrop. It is hidden beneath 10m to 25m of transported overburden.

Untested MMI Anomalies

Planning is underway for angled RC drilling, inclined at -60 degrees on the regional grid, to follow up additional untested MMI anomalies as shown on figure 1.

Marshall and Fender Prospects

Following the analysis of the current oriented diamond core drilling program, it is planned that exploration of these prospects will test the strike and infill drilling.

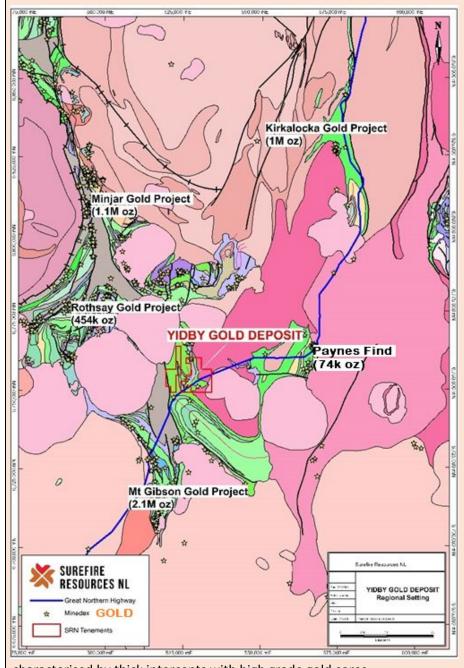
Top to Tail Fenceline Drilling South of the Yidby Deposit

An untested strike of 900m exists between the Yidby Deposit and the Money MMI gold anomaly. Planning is underway for broad-spaced along strike top-to-tail drilling across the projected mineralised zones.

28 September 2022 ASX Announcement
ASX Codes: SRN

About Yidby

The Yidby Gold Project is well located on the Great Northern Highway, 40km southwest of Paynes Find in the Mid-West of Western Australia, and in the southern portion of the Yalgoo-Singleton Greenstone Belt, part of the mid to late-Archaean Youanmi Terrane.



The Project comprises three granted exploration licences with a total area of 114 km² and now includes three prospects where significant gold mineralisation has been identified. They are associated with historical workings at Delaney Well and Cashens Find, and a Surefire's new discoveries at Yidby Road Gold Prospect, Yidby Road Marshall and Fender.

The Yidby Road Gold Deposit is a blind deposit, lying beneath 10 to 25m of largely barren transported overburden that truncates the gold mineralisation before it reaches the natural surface. Surefire's extensive use of MMI geochemistry and targeted drilling has successfully delineated gold mineralisation that is growing as drilling continues.

The deposit is

characterised by thick intercepts with high grade gold cores.

The Project is surrounded by several significant gold deposits, including the +1.1 million-ounce Minjar Gold Project approximately 65km to the northwest, the 1 million-ounce Kirkalocka Gold Project approximately 70km to the northeast, the 2.1Moz Mount Gibson Gold Project 30km to the south (28 July 2021 ASX: CMM) and the 0.54Moz Rothsay Gold Project 30km to the west (Egan Street Resources, 12 February 2019).

28 September 2022 ASX Announcement
ASX Codes: SRN

Competent Person Statement:

The information in this report that relates to exploration results has been reviewed, compiled and fairly represented by Mr Edd Prumm, a Member of the Australian Institute of Mining and Metallurgy ('AusIMM') and a fulltime employee of X2M - Exploration to Mining. Mr Prumm has sufficient experience relevant to the style of mineralisation and type of deposits under consideration to qualify as Competent Persons as defined in the 2012 Edition of the Joint Ore Reserves Committee ('JORC') Australasian Code for Reporting of Exploration Results, Minerals Resources and Ore Reserves. Mr Prumm consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.

Forward Looking Statements:

This announcement contains 'forward-looking information' that is based on the Company's expectations, estimates and projections as of the date on which the statements were made. This forward-looking information includes, among other things, statements with respect to the Company's business strategy, plans, development, objectives, performance, outlook, growth, cash flow, projections, targets and expectations, mineral reserves and resources, results of exploration and related expenses. Generally, this forward-looking information can be identified by the use of forward-looking terminology such as 'outlook', 'anticipate', 'project', 'target', 'potential', 'likely', 'believe', 'estimate', 'expect', 'intend', 'may', 'would', 'could', 'should', 'scheduled', 'will', 'plan', 'forecast', 'evolve' and similar expressions. Persons reading this announcement are cautioned that such statements are only predictions, and that the Company's actual future results or performance may be materially different. Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause the Company's actual results, level of activity, performance, or achievements to be materially different from those expressed or implied by such forward-looking information.

This announcement is approved for release by Vladimir Nikolaenko.

For further information, contact:

Vladimir Nikolaenko

Managing Director

28 September 2022 ASX Announcement ASX Codes: SRN

The following announcements have been made by the Company in relation to the Yidby Gold project:

4/8/2022	Drilling at Yidby
13/07/2022	Surefire Yidby Gold Project
27/06/2022	Surefire Exploration Update (Yidby, Victory Bore Vanadium & Perenjori Iron)
14/06/2022	Yidby Gold Project - Drilling Images
05/06/2022	Surefire Yidby Drilling June 2022
25/5/2022	Surefire Work Program Update
12/05/2022	Drilling Starts at Yidby
26/04/2022	Additional Positive Results Yidby Gold Project
28/03/2021	Additional Positive Results from Yidby
17/03/2021	Yidby Gold Project - New Discovery area
25/10/2021	Exploration Update - Yidby Gold 100% WA
06/09/2021	Large Au MMI Soil Anomaly Defined at Yidby Gold Project
30/08/2021	Drilling to Re-commence at Yidby Gold Deposit
02/06/2021	Yidby Gold Project Further Massive Gold Intersections
05/05/2021	Yidby Gold Project Massive Gold Intersects
28/04/2021	Exploration Update
01/04/2021	Yidby Gold Project Second Rig On Site
11/03/2021	Yidby Gold Project Drilling Program Commenced
22/02/2021	Yidby Gold Project Exploration Update
11/01/2021	New Drilling Program to Commence at Yidby Gold Project
15/12/2020	Further Exceptional Gold Results from Yidby Gold Project
30/11/2020	Spectacular Results from Yidby Gold Project WA
05/11/2020	Yidby Gold Project Maiden Drilling Program Completed
14/10/2020	Update Yidby Gold Project Drill Program 3
21/09/2020	Drilling to Commence
18/08/2020	Drilling Program Yidby Gold Project WA
06/08/2020	Gold Project Acquisitions

Hole	Hole Type	Easting MGA	Northing MGA	RL	Dip	Azimuth (MN)	Hole depth (m)	From (m)	To (m)	Interval (m)	Au (g/t)
YBRC001	RC	525719.96	6751744.8	296.15	-60	90	160	117	126	9	0.32
YBRC004	RC	525705.58	6751835.7	296.7	-60	270	78	24	32	8	0.80
YBRC005	RC	525782.26	6751778.5	296.63	-60	265	72	36	67	25	1.42
YBRC006	RC	525828.4	6751733.6	296.98	-60	270	78	32	70	38	1.43
YBRC007	RC	525766.04	6751836.7	296.9	-60	265	111	44	96	40	1.92
including	RC							68	72	4	13.96
YBRC008	RC	525826.97	6751750.4	296.84	-60	265	129	30	46	16	0.54
and	RC							51	62	11	3.78
including	RC							53	54	1	34.96
YBRC009	RC	525858.41	6751743.6	297.16	-60	270	102	45	69	22	1.14
including	RC				-60	270		51	52	1	13.47
YBRC010	RC	525813.59	6751781.4	296.85	-60	270	90	71	80	9	1.59
YBRC013	RC	525778.52	6751809.3	296.63	-60	270	138	84	103	19	1.28
Incl.	RC							84	86	2	7.29
Incl.	RC							101	103	2	4.14
YBRC015	RC	525762.99	6751878.8	296.84	-55	270	150	110	118	8	0.62
Incl.	RC							110	111	1	3.34
YBRC016	RC	525723.99	6751839.1	296.7	-74	270	90	18	34	16	0.88
YBRC016	RC							20	29	9	1.44
Incl.	RC							20	25	5	2.35
Incl.	RC							22	25	3	3.25
YBRC016	RC							20	29	9	1.44 ²
Incl.	RC							20	25	5	2.35 ³
Incl.	RC							22	25	3	3.25³
YBRC017	RC	525791.46	6751879.1	296.95	-61	270	198	96	196	100	0.53
Incl.	RC							112	195	83	0.64
Incl.	RC							113	126	13	2.17 ²
Incl.	RC							113	114	1	23.13
Incl.	RC							163	186	23	0.74
Incl.	RC							163	166	3	4.15
YBRC 018	RC	525249.53	6751952.1	297.96	-60	270	99	23	27	4	0.38
YBRC019	RC	525804.47	6751839.2	296.91	-60	270	198	149	193	44	2.77
YBRC019	RC							150	182	32	3.68
Incl.	RC							150	153	3	26.47
Incl.	RC							150	151	1	57.08
YBRC019	RC							168	182	14	2.62
Incl.	RC							177	182	5	6.27
Incl.	RC							113	114	1	23.13
YBRC023	RC	525808.64	6751810.9	296.82	-60	270	192	158	165	7	0.61 ²
Incl.	RC							158	165	1	1.83³

Table 1 SUREFIRE RESOURCES - Yidby Gold Project – Previously reported drilling intercepts

Lower cut-off grades for intersections all = 0.1 g/t Au cut-off unless otherwise stated, 2 >0.3 g/t Au cut-off; 3 >1.0 g/t Au cut-off; 4 >2.0 g/t Au cut-off. All widths are downhole intercepts True widths unknown.

Table 1 continued

Hole	Hole Type	Easting MGA	Northing MGA	RL	Dip	Azimuth (MN)	Hole depth (m)	From (m)	To (m)	Interval (m)	Au (g/t)
YBRC 024	RC	525300.29	6751952.5	295.31	-60	270	99	12	72	56	0.60
including	RC							16	32	16	1.39
YBRC025	RC	525886.5	6751753.9	297.24	-60	270	222	31	40	9	0.14 ¹
YBRC026	RC	525839.26	6751780.6	297.02	-60	270	186	159	178	19	1.21 ²
Incl.	RC							166	178	12	1.95³
YBRC033	RC	525559.45	6751738.3	297.07	-60	270	66	12	39	27	0.40
YBRC034	RC	525801.9	6751754.3	296.7	-60	270	114	17	30	13	0.20
YBRC035	RC	525853.24	6751754.2	297.19	-60	265	168	126	152	26	2.02 ²
Incl.	RC							126	148	22	2.34³
Incl.	RC							133	147	14	3.01 ³
Incl.	RC							141	143	2	10.05³
YBRC036	RC	525916.1	6751754.2	297.48	-60	265	246	37	44	7	0.97 ²
YBRC036	RC							74	87	13	0.42 ²
Incl.	RC							75	76	1	2.15
YBRC036	RC							212	220	8	0.95 ²
Incl.	RC							219	220	1	4.38 ³
YBRC037	RC	525868.87	6751724.4	297.23	-66	270	194	28	86	58	0.83
Incl.	RC							28	67	39	1.16²
Incl.	RC							31	38	7	2.07
YBRC037	RC							57	67	10	2.48 ²
Incl.	RC							64	67	3	5.42 ³
Incl.	RC							64	65	1	10.48 ³
YBRC037	RC							116	124	8	1.23 ²
YBRC039	RC	525879.61	6751697.2	297.43	-60	270	129	39	43	4	0.33
YBRC 041	RC	525812.5	6751881	298.17	-60	270	257	234	247	13	1.28
YBRC 043	RC	525825.47	6751864	298.22	-60	270	274	105	106	1	1.94
YBRC 045	RC	525891.26	6751725.8	297.1	-60	270	100	32	84	52	1.40
including	RC							49	55	6	1.76
including	RC							65	84	19	2.93
including	RC							78	79	1	39.10
YBRC 046	RC	525770.82	6751772.9	297.93	-60	270	90	24	42	19	0.98
including	RC							36	37	1	10.63
YBRC047	RC	525600.02	6751738.1	297.55	-60	270	66	17	24	7	0.40
and	RC							37	48	11	0.30
YBRC 053	RC	525669.61	6751697.9	298.02	-60	270	76	18	25	8	1.43
YBRC 059	RC	525500	6751902	291	-60	270	100	32	92	60	0.60
including								72	76	4	10.00
YBRC069	RC	525249	6752003	298	-60	270	184	104	124	20	0.43
and								144	176	32	0.32

Table 1 continued - SUREFIRE RESOURCES - Yidby Gold Project – Previously reported drilling intercepts

Lower cut-off grades for intersections all = 0.1 g/t Au cut-off unless otherwise stated, 2 >0.3 g/t Au cut-off; 3 >1.0 g/t Au cut-off; 4 >2.0 g/t Au cut-off. All widths are downhole intercepts True widths unknown.

JORC Code, 2012 Edition: Section 1: Sampling Techniques and Data

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

Criteria	Commentary
Sampling	Reverse Circulation drilling was used to obtain 1m samples weighing
techniques	 approximately 3kg from the splitter on the cyclone and submitted to the laboratory (Nagrom laboratories). Preliminary 4m speared composites are used to define 1m sampling zones for the submission to the laboratory. The entire sample was crushed to -2mm then either riffle-split then pulverised to 95% passing 75 micron to produce a 25g charge for Fire Assay gold (Au) analysis. Selected samples in zones of lower prospectivity were composited to 4m after the crushing stage at the lab before 50g charge Fire Assay analysis. Where grades of >0.1 g/t Au are returned for the composite the individual 1m samples are assayed for that zone.
Drilling techniques	Reverse Circulation drilling was completed using a face sampling hammer.
Drill sample recovery	 RC drilling was bagged on 1m intervals and an estimate of sample recovery has been made on the size of each sample. The cyclone is shut off when collecting the sample and released to the sample bags at the completion of each metre to ensure no cross contamination. If necessary, the cyclone is flushed out if sticky clays are encountered. Samples were weighed at the laboratory to allow comparative analysis. 4m speared composites are used to define 1m sampling zones for the submission to the laboratory Preliminary 4m speared composites are used to
	define 1m sampling zones for the submission to the laboratory.
Logging	 Geological logging was conducted per 1m sample with lithologies and weathering zones being documented throughout. Representative samples from the "green bags" are sieved and in fresh rock, washed, and placed in chip trays for each hole.
Sub-sampling techniques and sample preparation	 Not applicable to this announcement Every 1m RC interval was sampled as a dry primary sample in a calico bag off the cyclone/splitter. Drill sample preparation and analysis carried out at registered laboratory (Nagrom Laboratories). Sample preparation is dry pulverisation to 95% passing 75 microns. Field sample procedures involve the insertion of registered Standards and duplicates generally every 25m and offset. Sampling is carried out using standard protocols as per industry practice. Sample sizes range typically from 2 to 3kg and are deemed appropriate to provide an accurate indication of gold mineralisation. Preliminary 4m speared composites samples, used to define 1m sampling zones for the submission to the laboratory, are 2 to 3kg in weight ad derived

Criteria	Commentary
Quality of assay	 Gold assays at Nagrom and ALS Laboratories in Perth, WA, using a 50g charge
data and	for Fire Assay gold (Au) total analysis.
laboratory tests	Selected samples in zones of lower prospectivity were composited to 4m
	after the crushing stage at the lab before 25g charge Fire Assay analysis.
	Where grades of >0.1 g/t Au are returned for the composite the individual
	1m samples are assayed for that zone.
	Field sample procedures involve the insertion of registered Standards and
	duplicates generally every 25m and offset. Standards and duplicate assays
	are also completed at the Lab.
Verification of	Selected intersections have been calculated at various cut-off grades,
sampling and	including a 0.1g/t minimum cut-off for the "mineralised envelope" and
assaying	including "economic" cut-off grades applicable to the significant
	intersections (e.g. 0.3 g/t Au, 1.0 g/t Au). Where internal waste is included the included zone must average above the stated cut-off grade to be across
	the added interval.
	Geological and sample data was entered into spreadsheets on site and
	stored on the Company's database.
Location of data	Siting of planned drillholes was completed using a DGPS and adjusted with
points	hand-held GPS where necessary. Final collar locations will be surveyed using
·	DGPS, which will also provide topographic data.
	Grid system MGA 2020, Zone 50.
	Downhole surveys have been completed while drilling on recent deeper
	holes using a REFLEX Gyro Tool. Open hole surveys will be completed on all
	previous and current holes not yet surveyed, subject to blockages downhole.
Data spacing and	Sample data down hole for future resource estimation will be at no more
distribution	than 1m intervals (with selected intervals composited at the lab).
	Data spacing in terms of pierce points varies from 25m to 100m from
	previous intersections. Assessment as to whether sufficient data has been
	generated to establish the degree of geological and grade continuity
	appropriate for (JORC 2012) Mineral Resource estimation procedure(s) is
	underway and, if necessary, additional drilling will be carried out to establish continuity.
Orientation of data	Drilling orientation is designed to test the mineralisation at as close as
in relation to	possible to orthogonal to the mineralisation, therefore not biasing the
geological	sampling or intersection lengths.
structure	All intersections are downhole widths with the true widths not determined
	at this early stage of exploration.
Sample security	Samples transported by Company personnel direct to the Laboratory as soon
,	as possible after drilling.
Audits or reviews	A full review of QAQC data will be completed once all results received.

Section 2: Reporting of Exploration Results

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

Criteria	Commentary
	Commentary
Mineral tenement	Located 320km northeast of Perth in the mid-west region of Western
and land tenure	Australia.
status	E 52/2390 and E52 /2426 are granted tenements with a 100% interest
	acquired by Surefire Resources NL under a sale agreement from the
	tenement holder Beau Resources Pty Ltd.
	A 2% Royalty on Gold production is payable to Beau Resources Pty Ltd.
Exploration done by	Previous exploration work has been completed by Normandy and Monarch
other parties	Gold. Normandy work included aircore drilling and limited RC drilling,
	including at the Yidby Gold Prospect. Drilling intersections in easterly
	oriented drilling were followed up by Surefire using westerly oriented holes
	and the Normandy drilling was shown to be drilled in the wrong orientation
	for the easterly dipping mineralised structures.
Geology	Gold mineralisation at the project is orogenic, hosted within quartz veining
	with minor sulphides in ultramafic/mafic lithologies and felsic porphyry
	intrusions.
Drill hole	
Information	Northing and easting data generally within 5m accuracy using a GPS – with DCPS leasting planted.
Injormation	DGPS location planned.
	RL data +/-2m
	 Location of new drillholes based on surveyed sites, and DGPS.
	Location of previous Drillholes based on historical reports and data,
	originally located on surveyed sites, and DGPS.
	Final Northing and Easting data of the Company's drillholes determined
	using DGPS generally within 0.1m accuracy. RL data +/- 0.2m. Down hole
	length +/- 0.1 m.
	• Location of new drillholes are tabulated in the body of the release.
	Coordinates are estimated based on planned positions and will be updated
	when DGPS data available.
	• Locational data are generally within 5m accuracy using a GPS – with DGPS
	location planned down hole length =+- 0.2m.previous drillhole locations.
Data aggregation	Selected intersections have been calculated at various cut-off grades as
methods	shown in Table 1, including a 0.1g/t minimum cut-off for the "mineralised
eurous	envelope" and including "economic" cut-off grades applicable to the
	significant intersections (e.g. 0.3 g/t Au, 1.0 g/t Au). Where internal waste is
	included the included zone must average above the stated cut-off grade to
	be across the added interval.
Deletie	No cutting of high-grades has been carried out.
Relationship	Orientation of mineralised zones are still to be determined in detail. All
between 	intercepts reported are downhole depths.
mineralisation	
widths and	
intercept lengths	
Diagrams	Drillhole locations and interpreted mineralisation outline are shown in
2 lagi ailis	27 millione locations and interpreted milleralisation outline are shown in

Criteria	Commentary
	Figures in the body of the release.
	Appropriate cross sections are shown in the body of the release.
	Tabulations of hole statistics are shown in the body of the release.
Balanced reporting	Tabulations of hole statistics are shown in the body of the release.
Other substantive	A plan of the drilling locations for the new assay results received has been included in the report.
exploration data	 No new exploration data has been generated apart from the drilling geochemical and geophysical information included in this report.
Further work	Follow up drilling will be planned once all results are received.