

ASX/Media Release 11th May 2022

Granny Venn and Springfield Prospect Update

Resources & Energy Group Limited (ASX: REZ or the Company) are pleased to provide an update on operations at the Granny Venn Gold Mine and the Springfield Nickel and precious metals prospect.

Highlights

- Diamond Tail Drilling over Springfield SF13 has intersected disseminated Sulphides from 118m to end of hole at 151.4m
- The third Granny Venn Mill campaign (T3) has been outturned at the Perth Mint
- A total of 2822 oz of gold and 175 oz of silver were produced from T3
- The fourth mill campaign for Granny Venn is expected to commence on 13th May at the Lakewood Gold Mill



Plate 1 SF13-Fuchsite hosted Sulphide mineralisation @ 148m

Background and Discussion

Springfield

The company recently completed a diamond tail over SF13 from 76m to 151.4m, refer figure 1. SF13 was originally drilled as an RC hole which was terminated short at 76m due to equipment failure. The diamond tail was justified on the basis of some favourable Nickel results and associated geochemistry from the RC portion of SF13⁽¹⁾ which inlcuded:

4m@ 0.3% Ni, 434ppm Co, 259ppm Cu, 65ppb (Pt+Pd) and 0.92% S from 65m down the hole.

The cored section in SF13 intersected a highly altered interval of ultramafic rocks (fuchsite-quartz-schist) from 118m to bottom of hole at 151.4m. Disseminated and blebby sulphides were noted throughout this interval, refer plates 1 and 2. The occurance of sulphides at depth, below previously identified nickel mineralisation is a significant outcome for this drill hole.

(1) ASX Release 30th March 2022 276 ABN 68 162 869 276

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Plate 2 SF13-Sulphide mineralisation @ 141m

Core samples from SF13 have been collected and sent for petrological assessment. The drill core will be split, and samples submitted for geochemical assays, including Au, Pt and Pd.

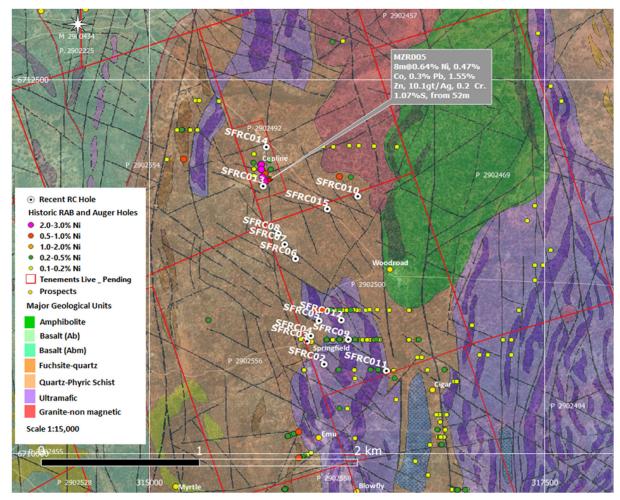


Figure 1 Lithostructural Interpretation Showing Recent Borehole Locations and Peak Nickel results from Historic Drilling

To assist with exploration planning at Springfield, the company has also obtained results from an earlier MLEM survey which was completed over a part of the prospect in 2004. A review of the 2004



MLEM data shows that the ground EM information is superior to more recent (2013) HELITEM data, however, the results are also impacted by Induced Polarisation (IP) effects. The presence of (IP) effects, due to conductive overburden, significantly hinders interpretation of the AEM data. Work on reprocessing the existing EM data-to remove IP /noise effects has commenced and quotations have been sought to carry out new MLEM survey over the project area to assist with target generation

Granny Venn Cut-back

The third toll treatment (T3) for the Granny Venn Cutback has been out turned at the Perth Mint. A total of 2822 oz of gold and 175 oz of silver were produced from T3. Final reconciliation of gold and silver production from the third campaign is pending completion of gold in circuit adjustments to production.

Over the past few weeks, the haulage of ore from the project site to Golden Mile Millings Lakewood plant has stepped up, refer Plate 3. In this connection, between 30 and 35kt of ROM stocks, including oversize and LG flushing ore are being prepared for the 4th toll campaign. This is tentatively scheduled to commence at Lakewood on 13th May.

With mining operations nearing completion, the Companies mining partner BM Mining Services will complete dump profiling, deep ripping and topsoil spreading of waste emplacements and commence demobilising. Whilst these activities are underway the Company is stepping up exploration across the broader East Menzies Project area. This includes drilling investigations within the Granny Venn, Maranoa, and Springfield Prospects. This work has already commenced.

Planning work for a scout program at Cock Robin (E29/979) is underway. At Springfield work on reprocessing existing EM data has also commenced. Quotations for a Moving Loop EM survey at Springfield have been floated and are being reviewed by the Company. At Gigante Grande cultural heritage clearance surveys have been completed. This work will unlock 2000ha of prospective ground, enabling the Company to advance exploration activity to test mineralisation north and south of exiting extents. All of these activities will be funded by revenue generated from the Granny Venn Cutback.

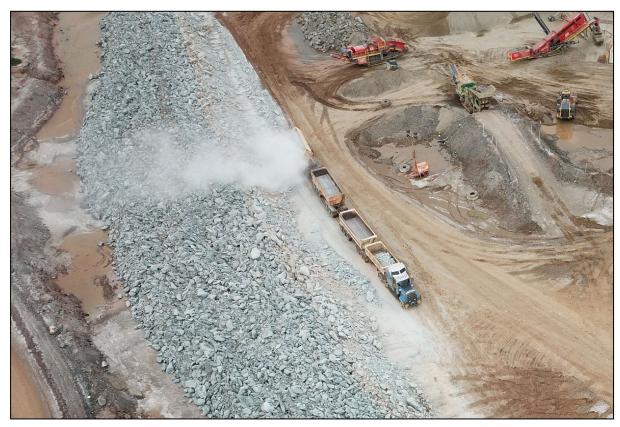


Plate 3 Toll 4 Ore Finger Stockpile Lakewood



Competent Persons Statement and Consent

The information in this release that relates to Exploration Results is based on and fairly represents information compiled by Mr. Michael Johnstone Principal Consultant for Minerva Geological Services (MGS). Mr Johnstone is a member of the Australasian Institute of Mining and Metallurgy and has sufficient experience that is relevant to the reporting of Exploration Results to qualify as a Competent Persons as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr. Johnstone consents to the inclusion in this release of the matters based on their information in the form and context in which it appears.

About Resources and Energy

Resources and Energy Group Limited (ASX: REZ) is an independent, ASX-listed mineral resources explorer, and miner with projects located in premier mining jurisdictions in Western Australia and Queensland. In Western Australia, the company's flagship is the East Menzies project (EMP), situated 130km north of Kalgoorlie. The EMP represents a +100km2 package of contiguous mining, exploration, and prospecting licenses which are prospective for precious metals, nickel, and other technology metals. The tenements are located within a significant orogenic lode gold province, figures 2 and 3.

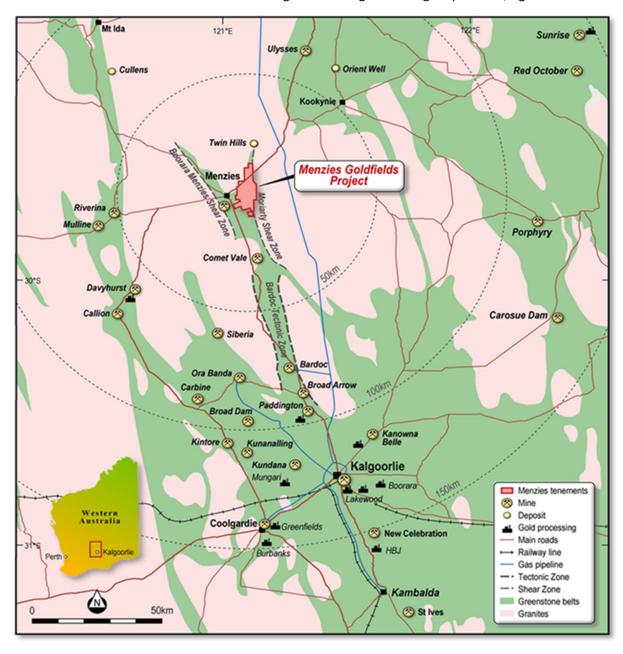


Figure 2 East Menzies Gold Project Regional Location Plan



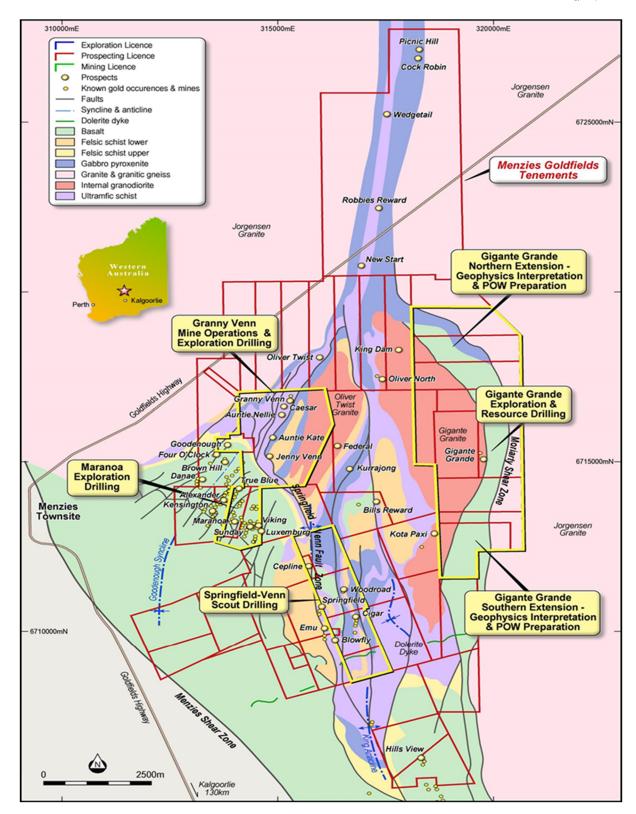


Figure 3 East Menzies Project tenement and Operations Plan-April 2022

The EMP currently encompasses five operational areas, which include the **Gigante Grande** Gold prospect on the east side of the project area. In the southwest, drilling investigations at **Springfield** have intersected magmatic Ni sulphides. This is a significant and material exploration result which has opened up large tracts of prospective ground for nickel, cobalt, copper, and platinum group elements. In the central west the Company is investigating opportunities for mining operations in M29/189 **Granny Venn**, M29/141 **Goodenough**, and M29/427 **Maranoa**.

In Queensland, the company has a 12km2 Mineral Development Licence over the Mount Mackenzie Mineral Resource and retains a further 15km2 as an Exploration Permit. These tenements are



prospective for high, intermediate, and low sulphidation gold and base metals mineralisation. The current MRE for Mount Mackenzie has been estimated at 3.42Mt @ 1.18g/t gold and 9g/t silver for a total of 129,000 oz gold and 862k oz silver, refer resource summary. The Company is carrying out a program of mining, groundwater, ecological, and metallurgical studies, to inform a PFS study and an application for an Environmental Authority to develop the project. As of end July 2021, the Company has combined gold and silver resources (JORC 2012) of 192k oz/au and 862k oz/ag; as under:

		Cut-off	Indicated			Inferred				Indicated and Inferred							
Deposit	Material	(gt/Au)	Tonnes (kt)		Ag (g/t)	Au (koz)	Ag (koz)	Tonnes (kt)		Ag (g/t)	Au (koz)	Ag (koz)	Tonnes (kt)		Ag (g/t)	Au (koz)	Ag (koz)
Mount	Oxide	0.35	500	1.09	8	18	136	700	0.96	4	21	87	1200	1.02	6	39	223
Mackenzie (1)	Primary	0.55	1200	1.25	13	48	482	1030	1.28	5	42	157	2220	1.27	9	90	639
Goodenough (2)	Primary	1	634	1.84		38		82	1.99		5.2		716	2.07		43	
Granny Venn ⁽³⁾	Primary	1	134	2.03		9		41	2.14		2.9		175	2.1		12	
Maranoa ⁽⁴⁾	Primary	1						46			8	8.05	46	5.7		8	
Total			2468			113	618	1899			79	252	4357			192	862

Resources and Energy Group Gold and Silver Resource Summary

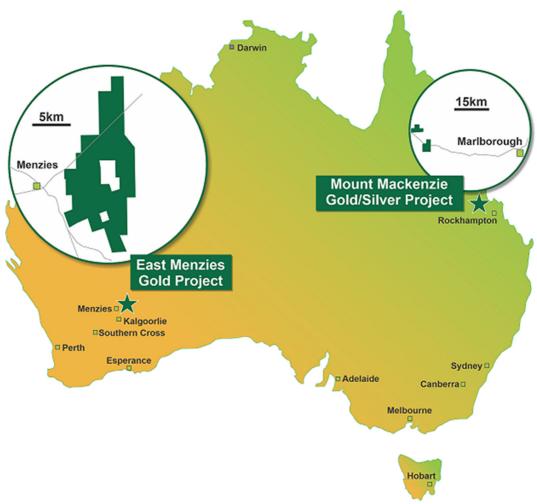
(1) ASX Release 19 May 2020, (2) ASX Release 3 November 2020, (3) ASX Release 19 February 2021, (4) ASX Release 22 November 2018

Further information:

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Approved for Release by the REZ Board



Appendix 2 JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data

(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 stand- ard measurement tools appropri- ate to the minerals under investi- gation, such as down hole gamma sondes, or handheld XRF instru- ments, etc). These examples should not be taken as limiting the broad meaning of sampling.	
	 Include reference to measures taken to ensure sample repre- sentivity and the appropriate cali- bration of any measurement tools or systems used. 	 The RC samples were collected for every 1 meter drilled using a cone splitter. A 1m primary sample was collected from the splitter, with a second field duplicate sample generally collected every 20th metre. Samples were reported dry and free flowing.
	 Aspects of the determination of mineralisation that are Material to the Public Report. 	 The report includes RC drilling results from drilling activities completed at the Companies Springfield Prospect, and petrological studies which have been carried out on selected core intervals
	• 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	



Criteria	JORC Code explanation	Commentary
	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.	
Drilling tech- niques	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).	The exploration results are based on Reverse Circulation drilling using a 141mm face sampling percussion hammer, and diamond core drilling NQTT (notionally 47mm)
Drill sample recovery	Method of recording and as- sessing core and chip sample re- coveries and results assessed.	Recoveries for RC samples were visually assessed in the field and weighed and recorded at the laboratory. Results are uploaded into the database and sample weights were analysed as part of QAQC protocols.
	Measures taken to maximise sam- ple recovery and ensure repre- sentative nature of the samples.	 Field procedures included checking the splitter every sample to ensure no residue remained from the previously drilled interval. The cyclone and housing are also checked regularly and cleaned with com- pressed air. Checks on splitter level are made using a spirit level. Each calico sample collected weighed on average 3kg.
	Whether a relationship exists be- tween sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	No relationship has been identified at this stage.



Criteria	JORC Code explanation	Commentary
Logging	Whether core and chip samples have been geologically and ge- otechnically logged to a level of detail to support appropriate Min- eral Resource estimation, mining studies and metallurgical studies.	RC and Core samples have been geologically logged in the field with alteration, colour, weathering, texture, mineralisation, and main lithology reported.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photog- raphy.	Logging is qualitative and descriptive using look up tables. Chip and Core trays for recent drilling are labelled and photographed and have been retained and stored for future reference.
	The total length and percentage of the relevant intersections logged.	100% of the drilling has been logged and has lithological information present.
Sub-sampling techniques and sample	If core, whether cut or sawn and whether quarter, half or all core taken.	Not applicable. The core samples have not yet been prepared for sampling.
preparation	If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	• For RC samples, a cone splitter was used to obtain 1m sub samples with a weight of approximately 3kg. In the majority cases the sample has been classified dry.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	The field procedures adopted for RC drilling are industry standard, adequate and appropriate. After initial collection in the field all subsequent sample preparation is carried out in a laboratory, under controlled conditions and specified by the relevant standards. Core samples will be split prior to assaying
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	The programme QAQC involved inserting Certified Reference Materials, blanks and collecting field duplicates samples per 20 metres drilled. The field duplicates were collected from the 2 nd chute of the cone splitter. CRMs were typically inserted in zones of interest. Random duplicates were inserted into the RAB drilling sample.
	Measures taken to ensure that the sampling is representative of the	Pre-numbered continuous Primary and Duplicate calico samples were collected every metre drilled. Blanks and CRMs were inserted every 20 metres, with multiple grade ranges of appropriate matrix



Criteria	JORC Code explanation	Commentary
	in situ material collected, includ- ing for instance results for field duplicate/second-half sampling.	material selected for the CRMs. Laboratory procedures also include the use of certified reference samples and blanks for internal QA/QC assurance.
	Whether sample sizes are appro- priate to the grain size of the ma- terial being sampled.	Sample sizes for the RC sampling were typically 3kg which is considered appropriate given nature of the material being sampled.
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.	The primary assay technique used was and Photon Assay and Mass and Optical Spectrometry (MA40MS) with a four-acid digest for borehole SFRC10 and a two-acid digest and Optical Electrical Spectrometry (AR10OES) for boreholes SFRC11-SFRC15 offered by MinAnalytical Pty Ltd. The four-acid digest can be considered total, the two-acid digest is considered total for sulphide and carbonate element, and partial for refractory elements. An induction furnace was used for Sulphur determination and can be considered total.
	• 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.	Not applicable, the results are not based on these instruments.
	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.	Exploration is at an early stage and is too early to provide an assessment. Recent RC sample datasets have been analysed, with no significant issues related to bias to date.
	The verification of significant	All drilling intersections are verified by the Field Geologist, who has been present on site during the complete drilling process. The sampled intersections are also checked by the Supervising Geologist by



Criteria	JORC Code explanation	Commentary
Verification of sampling and assaying	intersections by either independ- ent or alternative company per- sonnel.	reference to hole number, drilling depths, sample numbers, blanks and standards introduced into the sampling stream. The logging over significant intervals of mineralisation has also been validated as part of a petrological evaluation completed by an independent consultant. Based on this validation process a number of mis-logged intervals have been noted.
	•	•
	The use of twinned holes.	No twin holes have been carried out.
	Documentation of primary data, data entry procedures, data verifi- cation, data storage (physical and electronic) protocols.	• The primary data was collected at the drill site as drilling progressed by the Field Geologist and Field Technician. The Field Geologist recorded all lithological logging data directly into digital format via a rugged computer. The sample data, including allocation of sample number to interval, sample quality/recovery data, and insertion of QA/QC samples was recorded on a field sheet by the Field Technician and reviewed by the Field Geologist in the field. This data was later validated against assay files and checked by the Supervising Geologist. For recent drilling field sheets are kept on file and digital data backed up. The project data is stored in a MS access database on a cloud server.
	Discuss any adjustment to assay data.	No adjustments have been made to the assay data.
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.	All EMGP drill collars were initially located in the field by hand-held GPS, a final relocation survey has been carried out using a dGPS by a qualified surveyor. Down-the hole surveys were completed using a north seeking Axis Champ Gyro which sits behind the overshot taking surveys every 30m during drilling operations to monitor deviation, and a continuous survey at the completion of each hole.
	Specification of the grid system used.	The grid system used is MGA94_51s.
	Quality and adequacy of topo- graphic control.	Topographic controls have not been undertaken and are not relevant to the results being reported.
	Data spacing for reporting of	The RC holes are typically in the range of 200-500m apart.



Criteria	JORC Code explanation	Commentary
Data spacing and distribu- tion	• 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	This is not applicable as a Mineral Resource or Ore Reserve is not being determined.
	Whether sample compositing has been applied	Drill holes have not been composited.
Orientation of data in re- lation to geo- logical struc- ture	Whether the orientation of sam- pling achieves unbiased sampling of possible structures and the ex- tent to which this is known, con- sidering the deposit type.	 Based on present understanding, the drill holes have been orientated 60/090 and 60/060. These orientations are reasonably perpendicular to the interpreted Springfield Fault structure which is believed to be dipping west.
	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.	The selected orientation has minimized potential for introducing sampling bias.
Sample secu- rity	The measures taken to ensure sample security.	 A chain of custody procedure was put in place. Samples were checked against the sample record sheet in the field prior to collection into sequentially numbered plastic bags. The plastic bags were sealed with cable ties before being secured along with sample submission sheets. The sample batches were loaded by the field team and transported directly to the Laboratory. Sample security measures for earlier drill- ing are not known. The sample batches were loaded by the field team and transported directly to the Laboratory by a 3rd party contractor. The receiving laboratory verified sample numbers against the sam- ple submission sheet/manifest and confirmed receipt. After receipt, the samples were bar coded and



Criteria	JORC Code explanation	Commentary
		tracked through the entire analytical process.
Audits or re- views	The results of any audits or reviews of sampling techniques and data.	No audits have been undertaken.

Section 2 Reporting of Exploration Results

Criteria	IORC Code explanation	Commentary
Mineral tene- ment 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.	The results have been obtained from prospecting licenses P29/2500 and 2492. These tenements are wholly owned by Resources and Energy Group through a purchase agreement completed in December 2018. The land, from which the Exploration Results have been derived does not encompass Strategic cropping lands, wilderness, or protected landscapes.
	The security of the tenure held at the time of reporting along with any known impediments to ob- taining a licence to operate in the area.	At the time of writing, the tenements are in good standing. There are no known impediments which would prohibit operations in accordance with the license conditions.



Criteria	IORC Code explanation	Commentary
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	• Exploration on the tenements has been completed over a number of campaigns and years with significant contributions by CRA who completed mapping over the area in the late 1960's. In 1985 geologists (J.E Martyn I G Johnson) mapped the Springfield area and provided key observations as to the nature of the Interflow Sediments, and Komatiites in the area. During the 1994-1998 Golden State Resources completed a number of RAB and Auger drillholes over the Springfield area, which at that time was known as Merry Well. The work was focussed on gold exploration but provides a good reference for the geology of the area. In 2012 Dr D Gee completed a review and data compilation of the area on behalf of Resource Assets Pty Ltd. In 2014 Stratum Metals commissioned a HeliTem survey by Fugro Pty Ltd over the greater East Menzies Goldfield and an interpretation of results by Core Geophysics Pty Ltd. In 2015-2016 Menzies Goldfield Pty Ltd completed 2 programs of MMI sampling over the prospect area.
Geology	Deposit type, geological setting, and style of mineralisation.	 The Springfield Area occurs within an Archaean Geological Terrane, which is part of the Wiluna-Norseman Greenstone Belt-a significant Orogenic lode gold province. At prospect scale the project comprises three suites of volcano-sedimentary rocks which includes. Upper Mafic – High Mg Basalts Sedimentary- Pyritic Chert, slate, banded amphibolite, fuchsite, tuffaceous metasediments Lower Ultra Mafic - Meta komatiites (tremolite, actinolite, Talc, chlorite) The documented occurrences of sulphides are prospective features for the occurrence of volcanogenic nickel and base metal deposits as well as gold. The scout program was investigating the potential for mineralisation along the Springfield-Venn fault zone and in particular sulphidic interflow sediments, which were predicted to occur within a tightly folded and thrust faulted sequence of Mafic and Ultramafic rocks. The metamorphic grade ranges from upper green schists to lower amphibolite.
Drill hole Information	 A summary of all information material to the understanding of the exploration results including a tabulation of the following in- formation for all Material drill holes: easting and northing of the drill 	Co-ordinate locations, elevation, depth, dip, and azimuth of all recent drillholes has been provided in previous releases in March 2022.



Criteria	IORC Code explanation	Commentary
	 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.	Only those drilling results which are considered material to the understanding of the report have been included in the accompanying documentation.
Data aggre- gation meth- ods	 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. 	The referenced results are at a COG of 0.25% Ni. No grades have been changed or truncated. A comprehensive set of exploration results for SFRC13 has been previously released in March 2022.
	 Where aggregate intercepts in- corporate short lengths of high- grade results and longer lengths of low grade results, the proce- dure used for such aggregation should be stated and some typi- cal examples of such aggrega- tions should be shown in detail. 	All intervals are reported at 1m in length for Multi Element analysis. A few intervals have also been reported as mathematical averages over zones of specific interest. In these cases, the cut-off limits have been stated.



Criteria	IORC Code explanation	Commentary
	 The assumptions used for any re- porting of metal equivalent val- ues should be clearly stated. 	Metal equivalents have not been used.
Relationship between min- eralisation	These relationships are particularly important in the reporting of Exploration Results.	
widths and in- tercept lengths	 If the geometry of the minerali- sation with respect to the drill hole angle is known, its nature should be reported. 	• Exploration is at an initial stage, and it is too early to comment on the geometry of mineralisation.
	 If it is not known and only the down hole lengths are reported, there should be a clear state- ment to this effect (eg 'down hole length, true width not known'). 	All sample intervals have been reported as down hole lengths.
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.	Plans showing specific areas of interest within the project area have previously been released
Balanced re- porting	• 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.	Only those results which are relevant to the mineralisation being reported have been reported, this includes Nickel, Cobalt, Copper, Platinum + Palladium and Sulphur.



Criteria	IORC Code explanation	Commentary
Other sub- stantive ex- ploration 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.	This is in an early stage of investigation, which has not yet generated any other substantive exploration data. The petrological and lithochemical evaluation has confirmed the presence of Ni-Fe Sulphides, which is a material exploration result.
Further work	 The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive. 	 Recommendations for future work are contained within the announcement and accompanying maps. Maps that show possible extensions to mineralisation have been previously released in March 2022.