

ASX CODE: SPX

CAPITAL STRUCTURE

Share Price	\$0.028
Shares On Issue	1264m
Market Cap	\$35.4m
Options Unlisted	119m
Performance Rights	20m

MAJOR SHAREHOLDERS

Patina Resources PL	11.9%
A. Barton & Assocs	7.1%
Rock the Polo Pty Ltd	2.9%
Charuckyj & Assocs	2.5%
Plateaux Resources	2.5%

DIRECTORS / MANAGEMENT

Alexander Hewlett
Executive Chairman

Paul Adams
Managing Director

James Croser
Technical Director

Nader El Sayed
Non-Executive Director

Mark Pitts
Company Secretary

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High grade gold drill results continue to be received from Penny North

Spectrum Metals Limited ("SPX" or "the Company") is pleased to announce continuing high tenor gold results from the Phase II drilling program at the Penny North prospect.

Key Points

- Significant intercepts received and expanded include:
 - SPWRC056 - **5m at 24.4 g/t gold** from 241m, including **3m at 40.2 g/t gold** from 241m.
 - SPWRC060 - **6m at 14.8 g/t gold** from 268m, including **3m at 26.7 g/t gold** from 268m.
 - SPWRC058 - **2m at 5.6 g/t gold** from 237m, including **1m at 10.6 g/t gold** from 237m.
 - SPWRC054 - **11m at 3.9 g/t gold** from 221m, including **1m at 23.7g/t from 231m** and **3m at 15.4 g/t gold** from 239m
- The panned gold from the three meters in hole SPWRC060, as reported in the ASX announcement dated 25 June 2019, returned 3m at 26.7 g/t.
- Further assay results from hole SPWRC054 have increased the width of the intersection which is now stated as **11m at 3.9 g/t gold** (formerly 7m at 4.9g/t gold) from 221m including 1m at 23.7 g/t gold from 231m and **3m at 15.4 g/t gold** from 239m.
- An additional three (3) holes containing visible gold panned from RC chips have been completed and have assays pending
 - SPWRC066 – trace gold from composited 290 to 294m,
 - SPWRC067 – 265 to 266m downhole,
 - SPWRC068 – 267 to 270m downhole composite.
- Spectrum plans to allocate additional funds to both expedite and enlarge the Phase II RC drill program.
- Diamond rig scheduled for August 2019.

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Spectrum's Managing Director, Paul Adams said *"The Spectrum Board are very encouraged by what we are seeing at Penny North with the latest set of results and the panned gold from three additional holes indicating the expansion of the high-grade zone at depth. The board has decided to allocate further resources to allow for an expedited drill program."*

Spectrum Metals are pleased to announce the next batch of assay results from the company's Penny North Prospect at Penny West in WA. A further six (6) holes are reported with best intercepts of:

SPWRC056 - **5m at 24.4 g/t gold** from 241m including **3m at 40.2 g/t gold** from 241m

SPWRC058 - **2m at 5.6 g/t gold** from 237m including **1m at 10.6 g/t gold** from 237m.

SPWRC060 - **6m at 14.8 g/t gold** from 268m, including **3m at 26.7 g/t gold** from 268m.

Final assays were also received from the previously reported hole SPWRC054. A full list of intersections from the latest drilling can be found in Table 2.

Penny North Section 6807170N, (see Figure 1 below) displays summary geology and gold grade within RC holes drilled during the 2019 Phase I and Phase II drilling programs.

Drilling from surface at Penny North intercepts multiple mixed archaean lithologies. The first geological package is chloritized and consists of repeating units of potentially folded and texturally obliterated ultramafic-thru-dioritic schists, possibly structurally terminating against a sericite-silica-pyritic mylonite schist. The mylonite serves as a distinct sheared contact between the upper chlorite zone and the lower main chlorite-talc ultramafic schist.

This package overlies a series of fine then medium grained, biotite-pyrite-pyrrhotite and weakly silica-altered felsic to intermediate granodiorite units.

Mineralisation is hosted within a high-grade sulphidic polymetallic (Py-Po-Au-Ag-Pb-Zn) quartz vein at Penny North and is adjacent to the contact between these two deformed meta-intrusives. Hanging wall mineralisation is also hosted within the biotite-altered granodiorites.

A distinctive feature of the main lode at Penny West and Penny North is the presence of galena and sphalerite, often exceeding percent values. The lode is sub-parallel to the lithology and is moderately dipping between 50 and 60 degrees to the east.

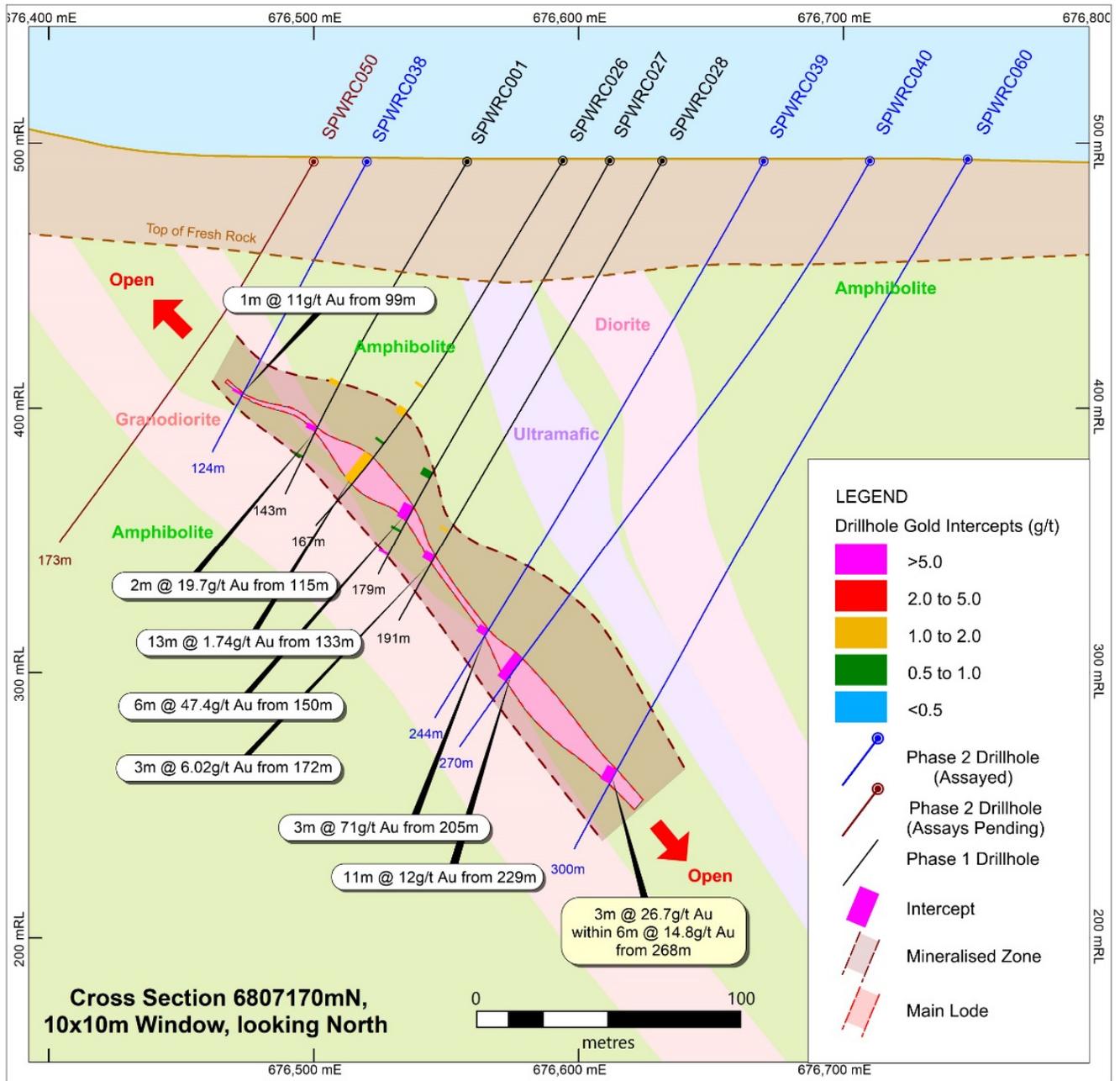


Figure 1. Cross section through Penny North at 6807170mN, with geology and intercepts

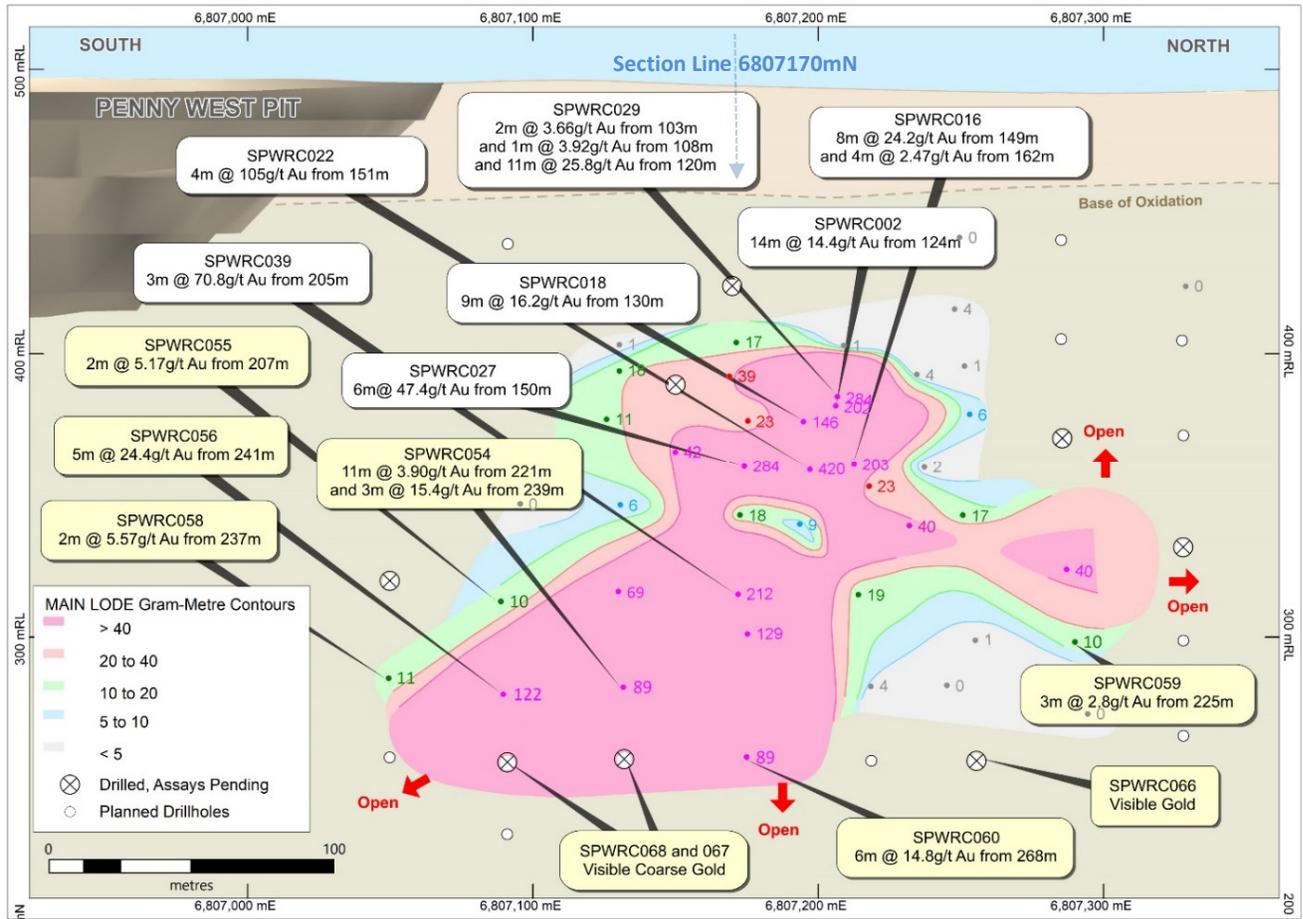


Figure 2. Penny North long section with recent results in yellow and additional holes with assays pending.

Of particular interest in the latest drilling was the visible coarse gold within quartz as seen in RC drill chips from hole 068 between meters 267-270. Assays are pending.

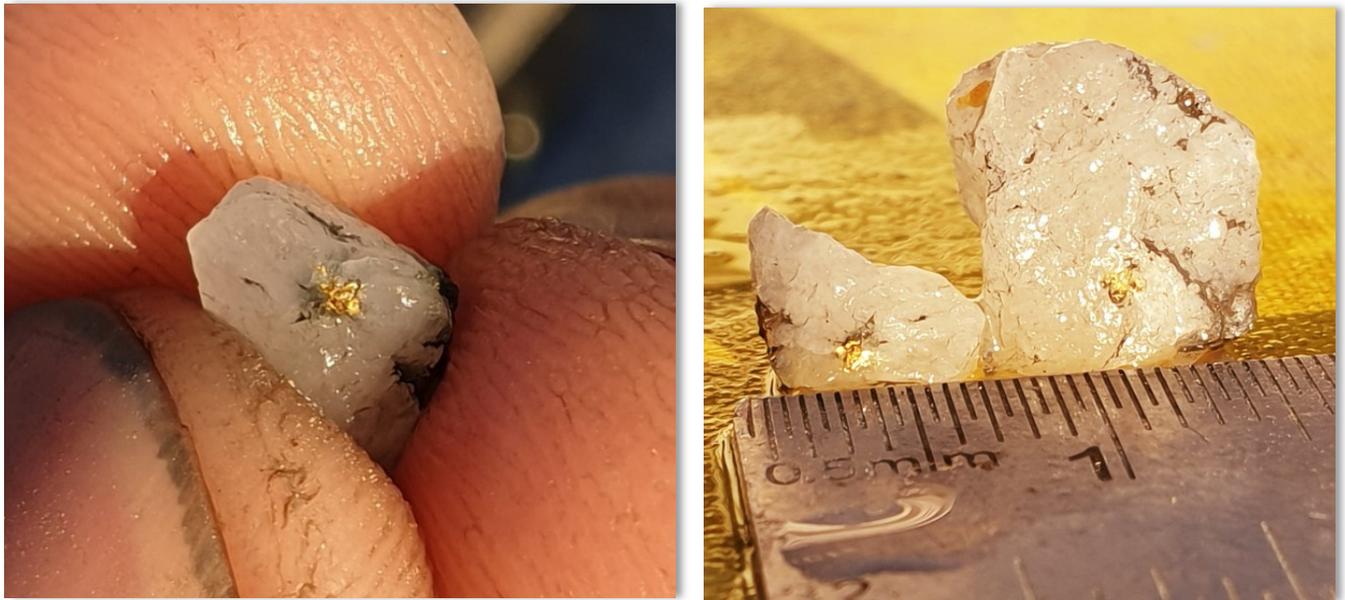


Figure 3. Coarse gold within quartz RC chips. Hole SPWRC068 from 267-270m downhole

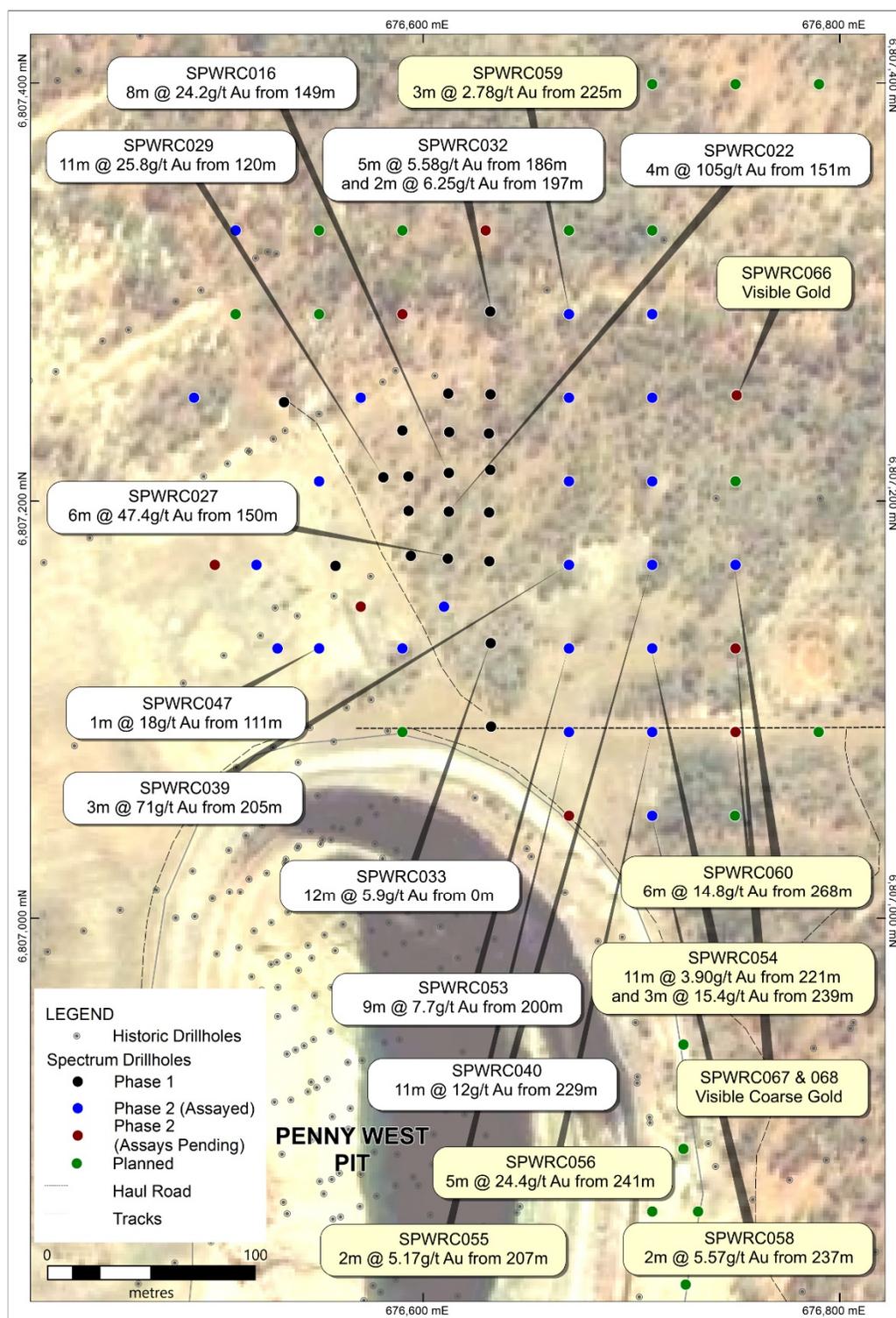


Figure 3. Plan view of Penny North drill collars and recent assay results highlighted in yellow

For further information please contact:

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About Spectrum Metals Ltd

Spectrum Metals Limited (ASX: SPX) is a domestic West Australian focused gold exploration and development company. Concentrating on high-grade, brown fields assets, that can leverage off existing infrastructure and add value through exploration and development. Spectrum will continue to identify and explore under explored terrain and brown fields assets through the use of modern techniques and technology to maximise success.

Competent Person Statement

The information in this report that relates to Data and Exploration Results is based on information compiled and reviewed by Mr John Downing, a Competent Person who is a Member of the Australian Institute of Geoscientists (MAIG) and a consultant to Spectrum. Mr Downing, who is also a shareholder, has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he has undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves'. John Downing consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Forward Looking Statements

Statements regarding Spectrum's plans with respect to its mineral properties and programmes are forward-looking statements. There can be no assurance that Spectrum's plans for development of its mineral properties will proceed as currently expected. There can also be no assurance that Spectrum will be able to confirm the presence of additional mineral resources/reserves, that any mineralisation will prove to be economic or that a mine will successfully be developed on any of Spectrum's mineral properties. The performance of Spectrum may be influenced by a number of factors which are outside the control of the Company and its Directors, staff and contractors.

Table 1. Hole Collar Table

COLLAR ID	START DATE	EAST (MGA94_z50)	NORTH (MGA94_z50)	RL (AusGeoid09)	LOCATIO N METHOD	EOH DEPTH	COLLA R DIP	COLLAR AZIMUTH
SPWRC049	28/05/2019	676532	6807132	493	Design	119	-61.44	267.72
SPWRC054	3/06/2019	676710	6807130	493	Design	269	-61.16	268.9
SPWRC055	5/06/2019	676670	6807090	493	Design	232	-61.46	268.17
SPWRC056	6/06/2019	676710	6807090	493	Design	274	-61.06	268.1
SPWRC058	11/06/2019	676710	6807050	493	Design	262	-60	270
SPWRC059	13/06/2019	676672	6807292	493	Design	260	-60	270
SPWRC060	15/06/2019	676747	6807170	493	Design	269	-61	269
SPWRC066	5/07/2019	676750	6807250	493	Design	318	-60	270
SPWRC067	7/07/2019	676750	6807130	493	Design	299	-60	270
SPWRC068	10/07/2019	676750	6807090	493	Design	304	-60	270

Table 2. Assay Table

Hole	From	To	Interval (m)	Incl	Au (ppm)	Au Threshold (ppm)
SPWRC049	78	79	1		1.3	0.50
SPWRC049	82	83	1		1.5	0.50
SPWRC054	221	232	11		3.9	0.50
SPWRC054	231	232	1	incl	23.7	5.00
SPWRC054	239	242	3		15.4	0.50
SPWRC055	207	209	2		5.2	0.50
SPWRC055	207	208	1	Incl	9.8	5.00
SPWRC056	241	246	5		24.4	0.50
SPWRC056	241	244	3	incl	40.2	5.00
SPWRC058	237	239	2		5.6	0.50
SPWRC058	237	238	1	incl	10.6	5.00
SPWRC059	221	222	1		1.9	0.50
SPWRC059	225	228	3		2.8	0.50
SPWRC059	225	226	1	incl	5.4	5.00
SPWRC060	263	265	2		1.00	0.50
SPWRC060	268	274	6		14.7	0.50
SPWRC060	268	271	3	Incl	26.7	5.00

Appendix 1 - Table 1 Checklist of Assessment and Reporting Criteria

Section 1 Sampling Techniques and Data

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> <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> <i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i> <i>Aspects of the determination of mineralisation that are Material to the Public Report.</i> <i>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</i> 	<ul style="list-style-type: none"> Reverse circulation (RC) drilling using standard drilling equipment and rig mounted sampling system. No electronic measurement tools used in this program. Emphasis placed on sample mass (approximately 3kg) and quality from the RC drilling. A lot of effort was put into ensuring that the splitter was level and clean during the drilling, particularly on entering an anticipated mineralised zone Logging identifies mineralisation in the RC drill chips Industry standard RC drilling with 1 m samples collected from a rig mounted sampling system. Sample intervals determined by anticipated intersection of lode. Four (4) meter composite samples taken from zones not expected to contain mineralisation. Geological logging used as the final determinant as to whether to under-take 1m splits on 4m composites. Standard 50 g sample for assay by fire assay method for gold after pulverisation at a Perth certified laboratory.

Criteria	JORC Code explanation	Commentary
	<i>submarine nodules) may warrant disclosure of detailed information.</i>	
Drilling techniques	<ul style="list-style-type: none"> • <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> 	<ul style="list-style-type: none"> • RC drilling using downhole hammer and face sampling button bit • Stabiliser rods used above the hammer to provide directional control
Drill sample recovery	<ul style="list-style-type: none"> • <i>Method of recording and assessing core and chip sample recoveries and results assessed.</i> • <i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i> • <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> 	<ul style="list-style-type: none"> • Sample recovery estimated by mass of sample in the calico sample bag and from the plastic residue bag under the rig mounted sample system • A lot of emphasis has been placed on correct levelling of the sample system to ensure optimal sample representivity. Differences in sample weight between original sample and duplicates can provide a quantitative estimate of representative sampling • It is unknown at this stage whether there is any relationship between sample recovery and grade in RC drilling
Logging	<ul style="list-style-type: none"> • <i>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.</i> • <i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i> • <i>The total length and percentage of the relevant intersections logged.</i> 	<ul style="list-style-type: none"> • All of the logging to a very high standard by an experienced and well qualified geologist and would be appropriate for later inclusion in a mineral resource estimate • Logging is qualitative • The whole of hole has been logged to the same standard

Criteria	JORC Code explanation	Commentary
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> • <i>If core, whether cut or sawn and whether quarter, half or all core taken.</i> • <i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i> • <i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i> • <i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i> • <i>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.</i> • <i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i> 	<ul style="list-style-type: none"> • RC samples collected by on-board rotary cyclone. In some case composite samples collected by spear sampling in the case of 4m composites. However, if composite display elevated mineralisation, 1m splits are immediately available from existing 1m samples collected directly from the cyclone • The QA/QC program has been appropriate in terms of numbers of blanks, standards and duplicates. Two standard grades have been used in addition to blanks. • Field duplicate sampling has been conducted for the drilling program • Sample sizes and techniques were appropriate for homogenous distribution and for grain size. Mass estimates for the samples from the cyclone are appropriate for the diameter of the drill rods employed
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> • <i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i> • <i>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.</i> • <i>Nature of quality control procedures adopted (eg standards, blanks, duplicates,</i> 	<ul style="list-style-type: none"> • Assays have been conducted on a 50 g fire assay charge • No geophysical tools have yet been applied to the RC chips or downhole • Blanks, standards, duplicates and laboratory quality control have all been monitored and are acceptable.

Criteria	JORC Code explanation	Commentary
	<i>external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</i>	
Verification of sampling and assaying	<ul style="list-style-type: none"> • <i>The verification of significant intersections by either independent or alternative company personnel.</i> • <i>The use of twinned holes.</i> • <i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i> • <i>Discuss any adjustment to assay data.</i> 	<ul style="list-style-type: none"> • All logging and sample preparation in the field has been conducted by independent consulting geologists and field personnel. • No twinned holes. This drilling is located in a new zone of mineralisation following up a small, but high-grade intersection. • All drilling data is extremely well documented. Primary data for current exploration work is available electronically from the laboratory reports. • There has been no adjustment to the data.
Location of data points	<ul style="list-style-type: none"> • <i>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.</i> • <i>Specification of the grid system used.</i> • <i>Quality and adequacy of topographic control.</i> 	<ul style="list-style-type: none"> • Drill-hole collar, locations located by survey +/- 1m. Holes have down-hole surveys every 30m using a gyroscopic downhole tool • Location data is set out on GDA94 Zone 50 grid and location set out performed by DGPS • Topographic control adequate with an accuracy of around 1m vertical. Digital topographic data provided by DTM from Landgate supported by DGPS survey.
Data spacing and distribution	<ul style="list-style-type: none"> • <i>Data spacing for reporting of Exploration Results.</i> • <i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i> • <i>Whether sample compositing has been applied.</i> 	<ul style="list-style-type: none"> • The intersections described in this announcement are from a new zone. More drilling will be required in order to determine a resource estimate • Sampling on 1 m increments has been used above, within and below the high-grade intersections. Compositing has only been applied to the hanging wall part of the sequence

Criteria	JORC Code explanation	Commentary
Orientation of data in relation to geological structure	<ul style="list-style-type: none"> Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. 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. 	<ul style="list-style-type: none"> Drill intercepts at Penny West have historically been orthogonal to the plane of the mineralisation. More holes into this new zone are required to determine the orientation of the structure There is no obvious sampling bias from the information gathered so far
Sample security	<ul style="list-style-type: none"> The measures taken to ensure sample security. 	<ul style="list-style-type: none"> Samples collected from the rig and organised by independent geologists and field personnel. Samples collected from site and driven directly to accredited laboratory in Perth
Audits or reviews	<ul style="list-style-type: none"> The results of any audits or reviews of sampling techniques and data. 	<ul style="list-style-type: none"> Not for this hole

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<ul style="list-style-type: none"> • <i>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.</i> • <i>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.</i> 	<ul style="list-style-type: none"> • Mining leases M57/180 and 196 originally held by Plateaux Resources Pty Ltd and Patina Resources Pty Ltd in a 30/70 Joint venture. Tenement acquisition agreement between Plateaux, Patina, and Spectrum Metals Limited provides 100% ownership to Spectrum through a 100% owned subsidiary Zebra Minerals Pty Ltd. Royalty provisions are 0.5% NSR after the first 7,500 ozs of production, which can be bought out at any time at SPX's election for \$750,000. No native title or environmental issues. • Tenements are in good standing with no known impediments
Exploration done by other parties	<ul style="list-style-type: none"> • <i>Acknowledgment and appraisal of exploration by other parties.</i> 	<ul style="list-style-type: none"> • The project area has been explored and mined by previous parties. The results of this work including past production is described in Spectrum's ASX Announcement dated 16 October 2018. Appraisal of this previous exploration occurred during the due diligence period and continues
Geology	<ul style="list-style-type: none"> • <i>Deposit type, geological setting and style of mineralisation.</i> 	<ul style="list-style-type: none"> • The Penny West deposit is typical structurally controlled gold-quartz vein in a brittle-ductile shear zone associated with a sulphide complex containing pyrite, pyrrhotite, galena, sphalerite and chalcopyrite.

Criteria	JORC Code explanation	Commentary
Drill hole Information	<ul style="list-style-type: none"> • <i>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"> ○ <i>easting and northing of the drill hole collar</i> ○ <i>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</i> ○ <i>dip and azimuth of the hole</i> ○ <i>down hole length and interception depth</i> ○ <i>hole length.</i> </i> • <i>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.</i> 	<ul style="list-style-type: none"> • See Table 1 in ASX announcements dated 16 October 2018 and 5 March 2019 for a summary table of all the drilling conducted at Penny West <ul style="list-style-type: none"> ○ See Table 1.
Data aggregation methods	<ul style="list-style-type: none"> • <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> • <i>Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such</i> 	<ul style="list-style-type: none"> • A gold upper cut-off grade of 170 g/t has been used historically. These intersections calculated using a lower cut-off of 0.5 g/t • Internal high-grade intercepts are based on grades above 5.0 g/t • No metal equivalent values used.

Criteria	JORC Code explanation	Commentary
	<p><i>aggregation should be stated and some typical examples of such aggregations should be shown in detail.</i></p> <ul style="list-style-type: none"> <i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i> 	
Relationship between mineralisation widths and intercept lengths	<ul style="list-style-type: none"> <i>These relationships are particularly important in the reporting of Exploration Results.</i> <i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i> <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> 	<ul style="list-style-type: none"> Down hole lengths have been used. True width not yet known The Penny West lode dips to the east at 65° to 80°. The geometry of the new discovery is not yet established
Diagrams	<ul style="list-style-type: none"> <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> 	<ul style="list-style-type: none"> Maps and sections are contained within announcement, with an interpreted trace of the extensional mineralisation with respect to the known Penny Est lode located within the historic Penny West Pit, at the same RL
Balanced reporting	<ul style="list-style-type: none"> <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</i> 	<ul style="list-style-type: none"> All data has been reported.

Criteria	JORC Code explanation	Commentary
	<i>reporting of Exploration Results.</i>	
Other substantive exploration data	<ul style="list-style-type: none"> <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> 	<ul style="list-style-type: none"> All available information has been reported
Further work	<ul style="list-style-type: none"> <i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i> <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> 	<ul style="list-style-type: none"> Further drill holes are currently being planned and executed to continue to expand the high grade zone of mineralisation at Penny North. Plans showing proposed drilling for the current program have been included.