

HEEMSKIRK TIN PHASE 2A DRILLING PROGRAM

Stellar Resources Limited (ASX: SRZ, “Stellar” or the “Company”) is pleased to provide details of its Phase 2A drilling program underway at the Company’s flagship Heemskirk Tin Project in Tasmania.

Highlights

- The Phase 2A drilling program to comprise 6 inclined diamond holes for ~3,100m at Severn, the largest of the Heemskirk Tin Project deposits.
- Five of the planned drillholes are aimed at increasing the Severn Indicated Resource as a precursor to a pre-feasibility study (PFS) on the project. The holes will target depths of ~280m to ~380m from surface (~450m average hole length) in areas where thicker and higher-grade tin mineralisation are expected based on the resource model and existing drilling.
- The sixth hole (~900m length) is planned to test the large magnetic and approximately coincident conductive target to the south of the Severn deposit that was identified in modelling completed last November¹. This hole also passes through the projected position of the Severn deposit ~100m south of the defined resource.
- The final hole in the Phase 1 Program, ZS148, is currently at a depth of 398m (vs 400m target EOH depth) and is nearing completion. Logging is underway with sulphide veining intersected and anomalous tin observed from portable XRF readings. Assay results expected in mid-May 2022.
- The first Phase 2A drillhole, ZS149 (ZS_2022_04), is currently at a depth of 465m (vs 440m target EOH depth) and is nearing completion. The hole has intersected sulphide veining and logging is yet to commence. Assay results expected in late-May 2022.

Executive Director Gary Fietz commented; “The Phase 2A program at Severn is aimed at increasing the Severn Indicated Resource in advance of the PFS planned for the Heemskirk Tin Project. With 2 drill rigs currently on site, we should achieve ~2 holes per month and complete the 5 infill holes by ~end-June. Following receipt of all Phase 2A assay results, a resource update for the Severn deposit will be carried out in August/September.

In addition, the Phase 2A program includes a deeper hole planned to test the exciting South Severn geophysical target, which will also pass through the projected southern extension of the Severn resource.

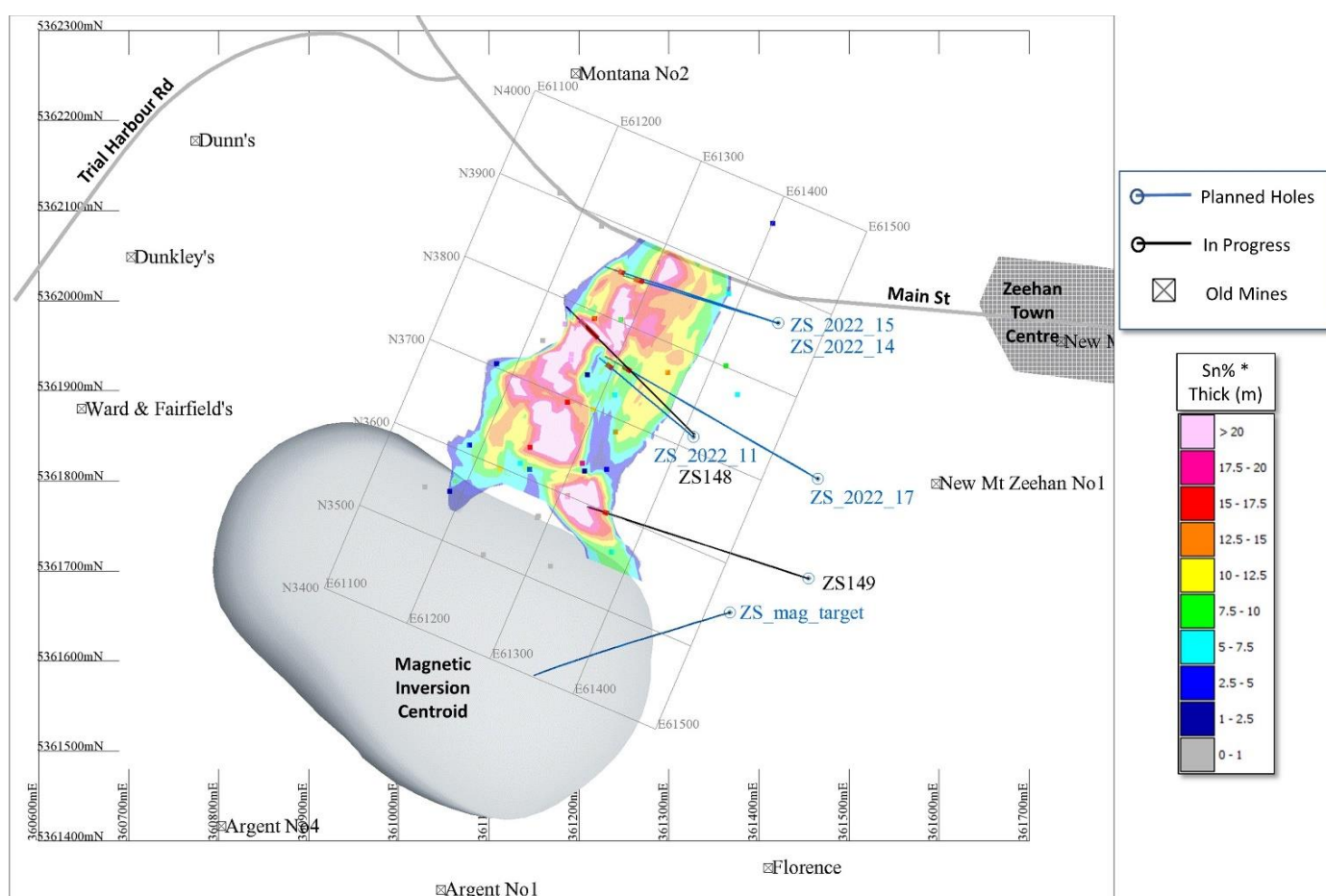
Phase 2A Drilling Program

Stellar recently commenced its Phase 2A drilling program of 6 inclined diamond holes for ~3,100m planned at Severn, the largest of the Heemskirk Tin Project deposits.

A summary of the planned Phase 2A holes is shown in Table 1 with their locations shown in Figure 1.

Table 1 – Summary of Phase 2A Planned Holes (Zeehan Mine Grid)

Proposed Hole ID	Easting (ZMG)	Northing (ZMG)	RL (ZMG)	Azimuth (ZMG)	Dip	EOH Depth	Target Depth	Planned Order
ZS_2022_04	61,591	3,620	1,180	265	-54	440	397	1
ZS_2022_11	61,412	3,715	1,185	287	-70	400	342	2
ZS_2022_17	61,557	3,726	1,178	277	-57	500	438	3
ZS_2022_14	61,449	3,868	1,180	265	-62	430	380	4
ZS_2022_South Mag Target	61,525	3,551	1,180	230	-74	900	800	5
ZS_2022_15	61,449	3,868	1,180	264	-67	460	398	6
Total						3,130		



*Figure 1 - Location of Phase 2A Drillholes with target intersections highlighted red, Severn Resource (main ore lens) and existing drillhole pierce points coloured by Sn% * Thickness, historic mines, (GDA 94 grid tick marks and Zeehan Mine Grid lines inset)*

South Severn Magnetic and Conductivity Target Hole

The last of the Phase 2A drillhole (~900m length) is planned to test the large magnetic and approximately coincident conductive target to the south of the Severn deposit that was identified in modelling completed last November by Stellar's geophysical consultants, Mira Geoscience¹.

This hole also passes through the projected position of the Severn deposit ~100m south of the Severn resource.

The location of the planned hole to test the Severn South Magnetic and Conductivity Target is shown in Figure 1 and in Figure 3.

Figure 3 shows an updated isosurface from a revised magnetic inversion recently completed by Stellar's geophysical consultants, Mira Geoscience. The impact of the Severn and Queen Hill orebodies was reduced by removing the magnetic signature of the mineralisation prior to inversion. This resulted in the isosurface representing the magnetic inversion centroid to decrease slightly in magnitude (from 100 to 92 e-3 SI) and displace slightly deeper and to the SSW compared to the original inversion completed in November¹. The magnetic cupola surface is sliced to enable the inversion isosurface to be viewed.

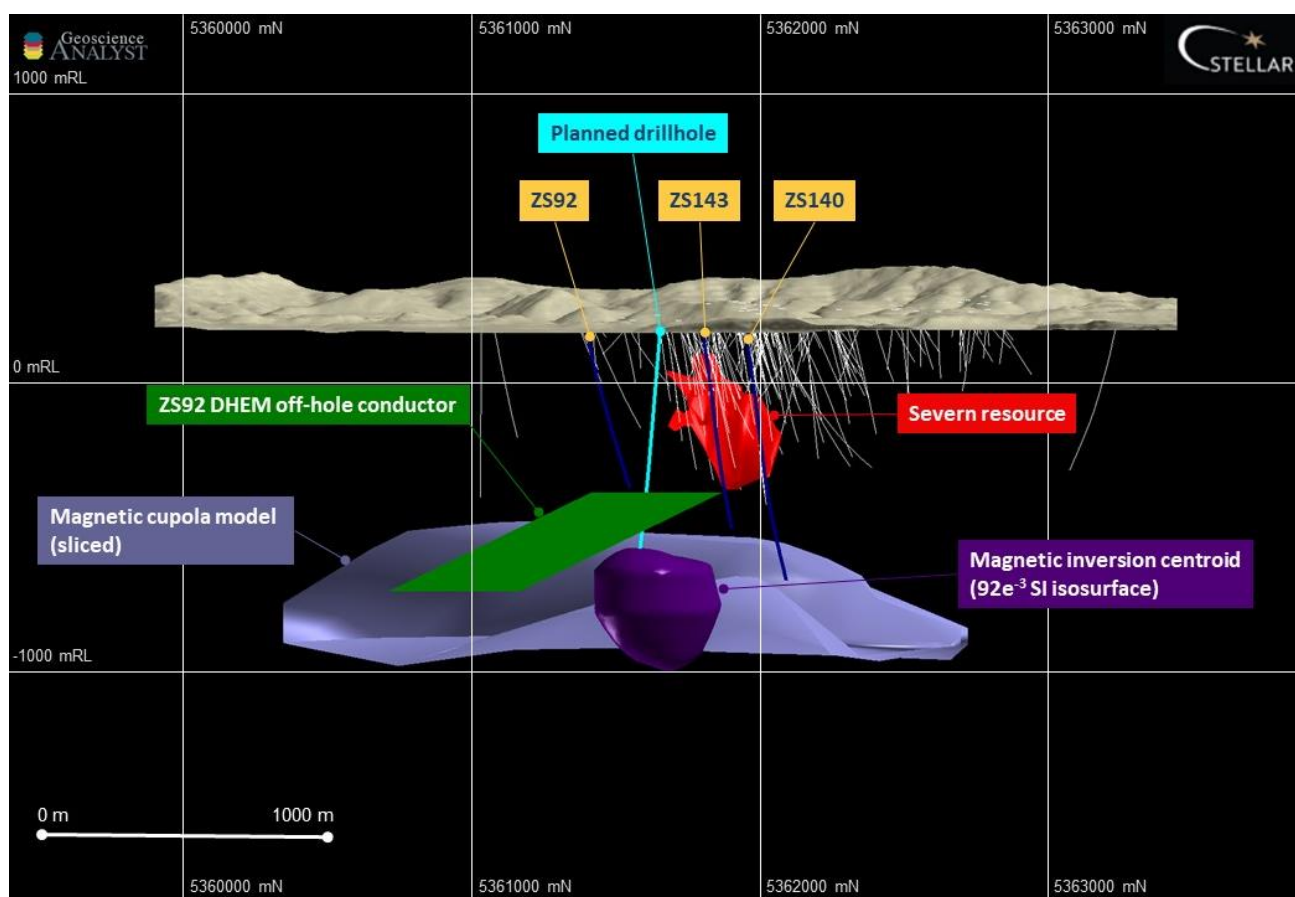


Figure 3 - Image of planned drillhole to test the Severn South magnetic and conductive target; view looking west (GDA 94 Grid)

Footnotes / Live Links

¹ SRZ Announcement, 11 November 2021, "Large Magnetic and Conductive Target Modelled at South Severn"

Competent Persons Statement

The information in this announcement that relates to exploration results has been compiled by Mr. Ross Corben who is an independent consultant. Mr. Corben is a Fellow of the Australasian Institute of Mining and Metallurgy and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the JORC Code). Mr. Corben has reviewed the contents of this news release and consents to the inclusion in this announcement of exploration results in the form and context in which they appear.

Forward Looking Statements

This report may include forward-looking statements. Forward-looking statements include but are not limited to statements concerning Stellar Resources Limited's planned activities and other statements that are not historical facts. When used in this report, the words such as "could", "plan", "estimate", "expect", "intend", "may", "potential", "should" and similar expressions are forward-looking statements. In addition, summaries of Exploration Results and estimates of Mineral Resources and Ore Reserves could also be forward-looking statements. Although Stellar Resources Limited believes that its expectations reflected in these forward-looking statements are reasonable, such statements involve risks and uncertainties and no assurance can be given that actual results will be consistent with these forward-looking statements. The entity confirms that it is not aware of any new information or data that materially affects the information included in this announcement and that all material assumptions and technical parameters underpinning this announcement continue to apply and have not materially changed. Nothing in this report should be construed as either an offer to sell or a solicitation to buy or sell Stellar Resources Limited securities.

This announcement is authorised for release to the market by the Board of Directors of Stellar Resources Limited.

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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 (e.g. cut channels, random chips or specific specialized industry standard measurement tools appropriate to the minerals under investigation, such as downhole gamma sondes, or handheld XRF instruments etc.). - Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. - 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 (e.g. 'reverse circulation drilling was used to obtain 1m samples from which 3kg was pulverized to produce 30g 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 sampling types (e.g. submarine nodules) may warrant disclosure of detailed information.	- The Zeehan Tin deposit has been delineated entirely by diamond drilling. Numerous drilling campaigns were completed between 1960 and 1992 by Placer, Gippsland, Minops, CRAE and Aberfoyle. Post 2010, diamond drilling was completed by Stellar with diamond core of nominally NQ or HQ diameter. - Logged sulphide and siderite altered zones were selected for geochemical analysis. - Approximately 1m samples of 2-3kg were taken from diamond saw cut drill core whilst respecting geological boundaries.
Drilling Techniques	Drill type (e.g. core, reverse circulation, open hole hammer, rotary air blast, auger, Bangka, sonic etc.) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face sampling bit or other type, where core is oriented and if so by what method, etc.)	All drill sampling by standard wireline diamond drilling.
Drill sample recovery	- Method of recording and assessing core and chip sample recoveries and results assessed. - Measures taken to maximize sample recovery and ensure representative nature of the samples. - 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	- Core logging captured drilled recoveries and core loss. - Recoveries generally excellent (95-100%).
Logging	- Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. - Whether logging is qualitative or quantitative in nature. Core (or costean, channel etc.) photography. - The total length and percentage of the relevant intersections logged.	- Geological logging has been carried out on all holes by experienced geologists and technical staff. - Holes logged for lithology, weathering, alteration, structural orientations, Geotech, RQD, magnetic susceptibility and mineralisation verified with an Olympus DPO 2000 pXRF. - Photographed wet cutting. - Logs loaded into excel spreadsheets and uploaded into access database. - Standard lithology codes used for all drillholes.

Criteria	JORC Code Explanation	Commentary
Sub-Sampling techniques and sample preparation	• If core, whether cut or sawn and whether quarter, half or all core taken. • If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry • For all sample types, the nature, quality and appropriateness of the sample preparation technique. • Quality control procedures adopted for all sub sampling stages to maximize representivity of samples. • Measures taken to ensure that the sampling is representative of the insitu material collected, including for instance results of field duplicate/second half sampling. • Whether sample sizes are appropriate to the grain size of the material being sampled	• Half core split by diamond saw over 0.3 – 1.0m sample intervals while respecting geological contacts. Most sample intervals are 1.0m. • Assay sample weights between 1 and 4kg are considered appropriate with respect to any coarse tin that may be present. • Half core has specific gravity for bulk samples undertaken before it is course crushed and then pulverized to 85% passing 75um.
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. • For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibration factors applied and their derivation etc. • Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.	• Sn, WO₃, Fe and S analyses were conducted at ALS Laboratories using a fused disc XRF technique (XRF15d), which is the current industry standard for ore-grade tin. Fused disc XRF is considered a total technique, as it extracts and measures the whole of the element contained within the sample. Aqua regia acid digestion and multi element analysis using Induced coupled plasma mass spectrometry (ICP41a) for Sn, Li, Ag, Ba, Ca, Cr, Ga, La, Mo, P, Sb, Th, U, Zn, Al, Cu, Mg, Na, Pb, Sc, Ti, V, As, Bi, Co, Fe, K, Mn, Ni, Sr, Tl, W. Where required, overlimit ore grade base metals analysis is undertaken by Aqua regia acid digestion and multi element analysis using Induced coupled plasma mass spectrometry (ME-OG46). Where required, Pb that is overlimit for OG46Pb analysis, is analysed by a fused disc XRF technique (XRF15d). • OREAS certified standard reference material are inserted approximately every 20 samples using SZSt.1, SZSt.2 and SZSt.3. • Course blanks and fine blank OREAS 22e are also inserted after mineralised zones. • Duplicate samples are requested approximately every 20 samples for the lab to repeat the sample.

Criteria	JORC Code Explanation	Commentary
Verification of sampling and assaying	- The verification of significant intersections by either independent or alternative company personnel - The use of twinned holes. - Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. - Discuss any adjustment to assay data.	- Significant intersections reviewed by company personnel. - Eight twinned holes have been included in previous drilling program with six holes demonstrating moderate to high Sn grade variability between 20% and 50%. Two holes demonstrating extreme grade and or geological variability. - Data is collected by qualified geologists and experienced field assistants and entered into excel spreadsheets. Data is imported into Microsoft access tables. Data is regularly backed up and archival copies of the database stored on the cloud and hard drives. - Negative values in the database have been adjusted to half the detection limit for statistical analysis from the excel spreadsheets. Data checked by the database and resource geologists for errors.
Location of data points	- Accuracy and quality of surveys used to locate drill holes (collar and downhole surveys) trenches, mine workings and other locations used in mineral resource estimation - Specification of grid system used - Quality and accuracy of topographic control.	- All Post 2010 drill collars surveyed by licensed surveyor using differential GPS. - Pre 2010 drill collars surveyed by licensed surveyor with the exception of 13 early drill holes located to within 1m by local grid tape and compass for Queen Hill deposit. - Historic Oonah drillholes located on local grid. Collar locations digitized from referenced historic plans (+/- 10m). - All coordinates are in Zeehan Mine Grid (ZMG) and GDA94. The ZMG is rotated 23° to the GDA94 grid. - ZMG RL's are reported as MSL +1000m. - Down hole surveys by downhole camera or Tropari. 2017 holes by Deviflex. For the 2021/2022 holes a digital magnetic survey tool used up to hole ZQ146. From hole ZS43W onwards, a Deviflex survey tool has been used. - The Digital Terrain Model has been generated from lands department 10m contours and adjusted with surveyed drill collar and control points.
Data Spacing and distribution	- Data spacing for reporting Exploration Results - Whether 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. - Whether sample compositing has been applied	Drill hole spacing for this phase of exploration drilling is approximately 100m. The exploration drilling is the first phase of extension drilling and if successful will be followed by closer spaced drilling.
Orientation of data in relation to geological structure	- 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.	- The majority of drill holes have been drilled grid east west sub-perpendicular to the steeply east dipping mineralisation in the Severn Oonah and Montana Deposits. - Drillholes, ZS140, ZS143 and ZS143W were drilled at a low angle to the dip of the orebody due to drilling constraints. - Drill hole orientation is not considered to have introduced any material sampling bias, although steep angled holes may result in localised data clustering.

Sample Security	The measures taken to ensure sample security.	- Post 2010 chain of custody is managed by Stellar from the drill site to ALS laboratories in Burnie. - All samples ticketed, bagged in calico bags and delivered in labelled poly-weave bags. - Pre 2010 sample security is not documented.
Audits or Reviews	The results of any audits or reviews of sampling techniques and data.	No audits or reviews of sampling data and techniques have been completed.

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	- 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 security of tenure held at the time of reporting along with known impediments to obtaining a license to operate the area	ML2023P/M, RL5/1997 and EL13/2018 hosting the Heemskirk Tin Project in Western Tasmania are 100% owned by Stellar Resources Ltd.
Exploration done by other parties	Acknowledgement and appraisal of exploration by other parties.	- Early mining activity commenced in the 1880's with the production of Ag-Pb sulphides and Cu-Sn sulphides from fissure loads. - Modern exploration commenced by Placer in the mid 1960's with the Queen Hill deposit discovered by Gippsland in 1971. - The Aberfoyle-Gippsland JV explored the tenements until 1992 with the delineation of the Queen Hill, Severn and Montana deposits.
Geology	Deposit type, geological setting and style of mineralization.	The Heemskirk Tin Deposits are granite related tin-sulphide-siderite vein and replacement style deposits hosted in the Oonah Formation and Crimson Creek Formation sediments and volcanics. Numerous Pb-Zn-Ag fissure lodes are associated with the periphery of the mineralizing system. Mineralisation is essentially stratabound controlled by northeast plunging fold structures associated with northwest trending faults. Tin is believed to be sourced from a granite intrusion located over 1km from surface below the deposit.

Criteria	JORC Code Explanation	Commentary
Drill hole information	- A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: - easting and northing of the drill hole collar - elevation or RL (Reduced Level - elevation above sea level in metres) of the drill hole collar - dip and azimuth of the hole - downhole 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	See the body of this report for tabulated drill hole collar details and mineralised results.
Data aggregation methods	- In reporting of Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually material and should be stated. - Where aggregate intercepts include short lengths of high grade results and longer lengths of low grade results, the procedure used for aggregation should be stated and some examples of such aggregations should be shown in detail - The assumptions used for any reporting of metal equivalent values should be clearly stated.	- Exploration assay results are downhole length weighted averages for Sn%, Cu%, Pb%, Zn% and Ag g/t. - Results for cassiterite % of total Sn have been calculated and reported for significant intercepts using the formulae, % Cassiterite = $100 - (\text{Soluble Sn \% by aqua regia acid digestion and ICP41a analysis} / \text{Total Sn \% by XRF analysis})$. - High grade intercepts may have been selected from some longer low grade length weighted downhole average intercepts and presented as length-weighted average inclusions. - No metal equivalents have been used.
Relationship between mineralisation widths and intercept lengths	- These relationships are particularly important in the reporting of Exploration Results. - If the geometry of the mineralization with respect to the drill hole angle is known, its nature should be reported. - If it is not known and only the downhole lengths are reported, there should be a clear statement to this effect (e.g. down hole length, true width not known)	- Drillholes, ZS140, ZS143 and ZS143W were drilled at a low angle to the dip of the orebody due to drilling constraints. Therefore the true mineralisation widths for these holes are likely to be significantly smaller. - Mineralisation is thought to be of a stockwork style with vein angles within mineralised zones variable. - Observed results for the Oonah, Montana, Western Zeehan and Zeehan Queen No. 4 intercepts are considered to be close to perpendicular to the mineralised veins and are approximate true widths.
Diagrams	Appropriate maps and sections (with scales) and tabulated intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill collar locations and appropriate sectional views.	See body of the announcement for relevant plan and sectional views.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/ or widths should be practiced to avoid misleading reporting of Exploration Results	Mineralised zones above a Sn cut off of 0.2% and greater than 1.0m length are included in the tables and figures associated with this report.

Criteria	JORC Code Explanation	Commentary
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey result; 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.	- Metallurgical test work completed by ALS/BRL laboratories and supervised by Worley-Parsons over a number of different campaigns on drill core samples. - Deposits zoned mineralogically and metallurgically - Cassiterite is the dominant tin-bearing mineral occurring as free grains and in complex mineral composites. - High concentrations of stannite are located in the upper levels of the Oonah deposit. - Grain sizes vary according to ore type, with Severn having the coarsest and Upper Queen Hill having the finest. - Cassiterite liberation generally commences at a grind of 130 microns and is largely complete at 20 microns. - Based on the work undertaken by ALS metallurgy, Stellar anticipates that concentrates grading approximately 48% tin at an overall tin recovery of 73% will be obtained from the Zeehan Tin ores. - Bulk densities determined on mineralised intercepts using the Archimedes method.
Further work	- The nature and scale of planned further work (e.g. test 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.	- Resource infill drilling is planned to coincide with further technical studies after this phase of exploration drilling. - The mineral deposits remain open down dip and down plunge and will be explored as access becomes available with mine development.