

THOMSON SIGNS DEFINITIVE AGREEMENT FOR ACQUISITION OF SILVER SPUR MINE

HIGHLIGHTS

- Thomson Resources (**Thomson**) has executed the definitive agreement with private company Cubane Partners Pty Ltd ("**Cubane**") for Thomson's acquisition of 100% of ML 5932, that covers the **Silver Spur Mine**
- The Agreement replaces the Terms Sheet entered into by the parties on 10 May 2021¹
- The Silver Spur acquisition will give **Thomson 100% control of the Texas Silver base metal district** located in southern Queensland, a cornerstone asset in the Company's New England Fold Belt Hub and Spoke Strategy.
- **Silver Spur Mine historically produced 2.19 Moz silver** at an average grade of **800 g/t Ag**, as well as 690t of Zn, 1050t of Pb and 990t of Cu and by-product Au from approximately 100 kt of ore²
- **The Silver Spur Mine** is located 3.5 km SE of the Twin Hills Silver mine which has produced 1.4 Moz silver via a heap leach operation since 2008³ and also lies within the Texas Silver Project
- In 2004 previous owner, Macmin Silver Ltd ("**Macmin**"), announced a multi-million ounce silver equivalent non-JORC compliant Mineral Resource at Silver Spur⁴
- Thomson is well advanced with a comprehensive re-evaluation of the Silver Spur Ag Zn Pb Cu deposit with the objective of delivering a Mineral Resource Estimate for the sulphide project during the 4th quarter of 2021

Thomson Resources (ASX: TMZ) (Thomson or the Company) advises that it has executed the definitive Tenement Sale Agreement ("**Agreement**") with private company Cubane Partners Pty Ltd ("**Cubane**") to acquire 100% of the Silver Spur Mining Lease ML 5932 ("**Silver Spur**") located in the Texas Silver District, Southern Queensland 9 km from Town of Texas (Figure 1). The Agreement replaces the binding Terms Sheet signed by the parties on 10 May 2021¹ and formalises the sale and purchase of Silver Spur.

The Silver Spur ML covers the historic high grade Silver Spur Mine, is located 2.0 km southeast of the Twin Hills Silver Mine and is wholly surrounded by Texas Silver Mines exploration licences, forming part of Texas Silver Mine acquisition, that is also nearing completion and was previously announced by Thomson⁵.

Once the Silver Spur and Texas Silver Mine acquisition is complete, Thomson will control 100% of the district that has produced approximately 3.6 Moz Ag^{2,3} and significant Zn, Pb and Cu² and hosts multi-million ounce JORC 2012 silver resources, announced by previous owners of the Texas Mine^{6,7}.

Executive Chairman David Williams commented:

"It is great to now have the formal definitive agreement in place so that we can proceed with confidence to the completion of the acquisition of the Silver Spur ML. The more we look at it the more we realise that the Silver Spur ML is a key part of the potentiality of the Texas Silver project."

The Texas Silver Project, with the Silver Spur ML, represents a key district scale asset within the Company's New England Fold Belt Hub and Spoke Strategy, and has the potential to materially contribute to the Company's objective of 100Moz AgEq resources for its central processing concept."



Figure 1 – Image of historic head frame on the Silver Spur ML

Silver Spur Overview

Silver Spur, Twin Hills and Mt Gunyan deposits are the resource stage projects within the Texas Silver project being acquired by Thomson, that is recognised by the Company as part of a larger silver (gold), zinc, lead, copper district hosted within a Permian age Silver Spur Basin (see Thomson ASX Release dated 12 May 2021 for further detail). The age of the mineralising events that formed the principal deposits in the district are not well constrained.

A mineralisation age date has been determined for the Twin Hills deposit that suggests it is much younger than the Silver Spur basin with a Triassic ($244.6 \pm 6.1 \text{ ma}^8$) age determined from potassium/argon radiometric date of alteration minerals associated with silver mineralisation.

The origin and age of the Silver Spur mineralisation is contested. More recent information suggests it is not a SEDEX deposit as some authors interpreted⁹ but formed during a later deformation event as hydrothermal and structural controlled epigenetic mineralisation^{10,11,12}, that locally contains zones of bonanza grade Ag, as well as high grade Zn (Pb, Cu and some Au). Thomson believes that developing a clearer understanding of the origin and controls on the formation of the mineralisation in the district will give the Company an exploration advantage improving the potential to discover further significant mineralisation at the Texas Silver project.

The Silver Spur underground mine was operated for 1892-1925, with additional sporadic mining in 1952, 1970, 1976 producing a total of approximately 100,000t of ore². Smelting of the ore onsite produced argentiferous Cu matte with lesser Pb-Cu matte, Pb bullion, and Ag and Zn ore. Total produced metal is reported as 2.19 Moz silver, 690t zinc, 1,050t lead, 990t copper and 4,500oz gold².

Multiple phases of exploration have been carried out at the Silver Spur Mine (see Thomson ASX Release dated 12 May 2021 for a summary of the exploration history). The more recent exploration was undertaken between 2002 and 2012 by Macmin Silver and Alcyone Resources who drilled 5,650m of diamond core, RC and percussion drilling in 84 holes at the Silver Spur mine and the nearby Silver Spur North prospect, reporting significant silver and base metal mineralisation starting in the near surface.

Rimfire published a non-JORC in-situ resource for Silver Spur sulphide mineralisation in 1998¹³ which Macmin restated in 2004 as an inferred multi-million ounce silver equivalent resource for Silver Spur⁴. The Macmin and Alcyone Resources exploration drill results have not been incorporated into an updated resource for Silver Spur.

Thomson and its consultants Global Ore Discovery are building a comprehensive validated database of the Silver Spur deposit and the Silver Spur mine corridor. Activities are well advanced and include;

- Relogging of 130 holes with 8,623 m of diamond core (DDH) and reverse circulation (RC) drilling
- Locating and surveying historic drill collars and compiling drill hole surveys
- Compiling and validating previous assay and QA/QC data for historic drilling and undertaking check analysis
- Surface structural and lithological mapping (Figure 2)
- Systematic petrography from drill core for geometallurgical analysis and initial metallurgical test work (Figure 3)
- 3D wireframing of the mineralisation, leveraging located level plans for 1918¹⁴, mapping and surveys of the drives, shafts and stops following dewatering of the historic mine by Mt Carrington Mines in 1970¹⁰ and the new validated drill hole database (Figure 4).

An understanding of the Silver Spur mineralisation is emerging from this work that highlights a 400m long, open ended corridor of mineralisation centred along the projection of the Stoke's fault zone.

The corridor is currently defined by the Historic Silver Spur deposit, near-surface open-ended mineralisation at the Silver Spur North prospect, where Alcyone Resources previously reported significant near surface RC drill intersections of Ag, Zn, Pb and Cu mineralisation¹⁵, and a compelling undrilled EM conductivity anomaly¹⁶ at the Silver Spur South.

Thomson is focused on delivering an updated Mineral Resource Estimate under the JORC 2012 reporting code for the sulphide mineralisation at Silver Spur and will also update investors on exploration plans for the mine corridor in the near future.

New England Fold Belt Hub and Spoke Strategy

As Thomson has previously reported on the New England Fold Belt Hub and Spoke Strategy that comprises the 100% owned Texas, Webbs and Conrad projects and the Thomson – White Rock Resources Mt Carrington JV, has been added to with this acquisition. Resources for these projects have been announced by previous owners of the projects (Table 1). Thomson is working with its advisors to review these projects with a view to restating or defining new resources compliant with JORC 2012. Investors will be kept informed as progress is made.

The Company looks forward to keeping shareholders informed of progress at the Texas Project and on the larger Fold Belt Hub and Spoke project.

Table 1 Thomson Resources Hub and Spoke JORC Reserves and Resources References

Project	Deposit	ASX Release
Texas Project 100% TMZ	Heap Leach Pad Resource – JORC 2012	ASX:MRV - 21 April 2017, MRV Metals Pty Ltd Re-release of Heap leach Stockpiles Data
	Twin Hills Resource – JORC 2012	ASX:MRV - 19 September 2016, MRV Metals Pty Ltd Confirms significant Resources in Twin Hills Mine
	Mt Gunyan Resource – JORC 2012	ASX:MRV - 5 October 2016, MRV Metals Pty Ltd Confirms JORC Resource - Mt Gunyan
Silver Spur 100% TMZ	Silver Resource	ASX:RIM – 12 February 1998, Update on the Silver Spur Project ML 5932 ASX:MMN – 14 July 2004, Macmin Silver Ltd Texas Project Resource Base Increased to 56 Million Ounces Silver Equivalent with the Addition of Historic Silver Spur Mining Lease Resources
Webbs 100% TMZ	Silver Resource – JORC 2004	ASX:SVL - 27 February 2012, Indicated and Measured JORC Resource at Webbs Project Upgraded 400%
Conrad	Silver Resource – JORC 2004	ASX:MAR - 16 December 2008, Conrad Silver Project: Resource Upgrade to Form Basis of New Scoping Study
Mt Carrington JV with White Rock Minerals	U-PFS – JORC 2012	ASX:WRM - 19 August 2020, Exceptional Updated Gold Pre-Feasibility Study Results
	Gold First Reserves – JORC 2012	
	Gold First Resources – JORC 2012	
	Gold Dominant Resources – JORC 2004	ASX:WRM - 19 August 2020, Exceptional Updated Gold Pre-Feasibility Study Results, and ASX:WRM - 9 October 2017 Improved Gold Resources at Mt Carrington Gold-Silver Project.
	Silver Dominant Resources – JORC 2004	

This announcement was authorised for issue by the Board.

Thomson Resources Ltd

David Williams

Executive Chairman

Competent Person

The information in this report that relates to Exploration Results is based on and fairly represents information compiled by Stephen Nano, Principal Geologist, (BSc. Hons.) a Competent Person who is a Fellow and Chartered Professional Geologist of the Australasian Institute of Mining and Metallurgy (AusIMM No: 110288). Mr Nano is a Director of Global Ore Discovery Pty Ltd (Global Ore), an independent geological consulting company. Mr Nano has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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". Mr Nano consents to the inclusion in the report of the matters based on this information in the form and context in which it appears. Mr Nano and Global Ore are shareholders in Thomson Resources.

Cautionary Statement the estimates of Mineral Resources or Ore Reserves referenced are not reported in accordance with the JORC Code 2012; a Competent Person has not done sufficient work to classify the estimates of Mineral Resources or Ore Reserves in accordance with the JORC Code 2012; it is possible that following evaluation and/or further exploration work the currently reported estimates may materially change and hence will need to be reported afresh under and in

accordance with the JORC Code 2012; that nothing has come to the attention of the acquirer that causes it to question the accuracy or reliability of the former owner's estimates; but the acquirer has not independently validated the former owner's estimates and therefore is not to be regarded as reporting, adopting or endorsing those estimates. No New Information or Data This announcement contains references to exploration results, Mineral Resource estimates, Ore Reserve estimates, production targets and forecast financial information derived from the production targets, all of which have been cross-referenced to previous market announcements by the relevant Companies. Thomson confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements. In the case of Mineral Resource estimates, Ore Reserve estimates, production targets and forecast financial information derived from the production targets, all material assumptions and technical parameters underpinning the estimates, production targets and forecast financial information derived from the production targets contained in the relevant market announcement continue to apply and have not materially changed in the knowledge of Thomson.

Disclaimer regarding forward looking information: This announcement contains "forward-looking statements". All statements other than those of historical facts included in this announcement are forward looking statements. Where a company expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have a reasonable basis. However, forward-looking statements re subject to risks, uncertainties and other factors, which could cause actual results to differ materially from future results expressed, projected or implied by such forward-looking statements. Such risks include, but are not limited to, gold and other metals price volatility, currency fluctuations, increased production costs and variances in ore grade or recovery rates from those assumed in mining plans, as well as political and operational risks and governmental regulation and judicial outcomes. Neither company undertakes any obligation to release publicly any revisions to any "forward-looking statement"



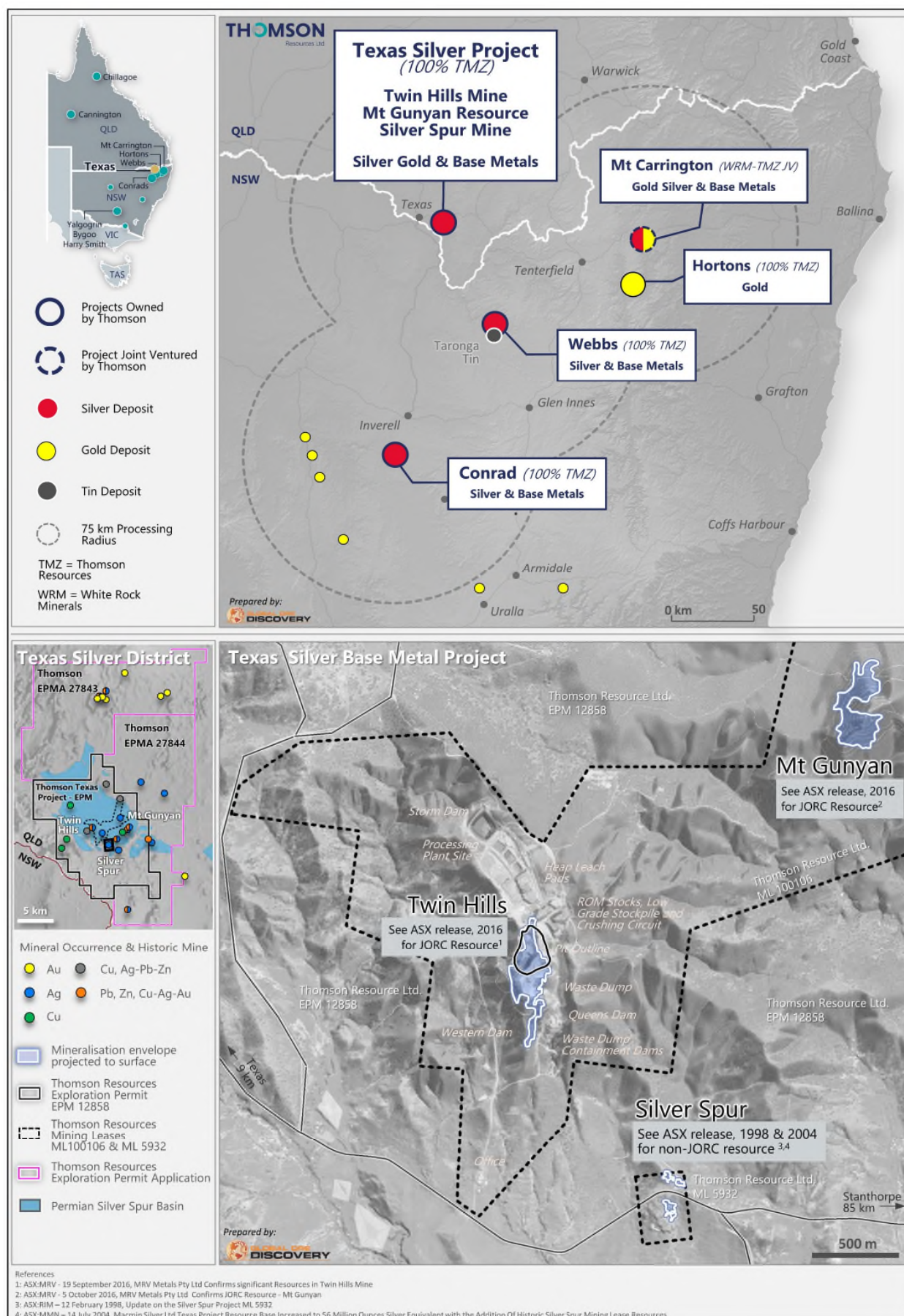


Figure 1 - Silver Spur Project Location, Thomson Fold Belt Hub and Spoke Properties

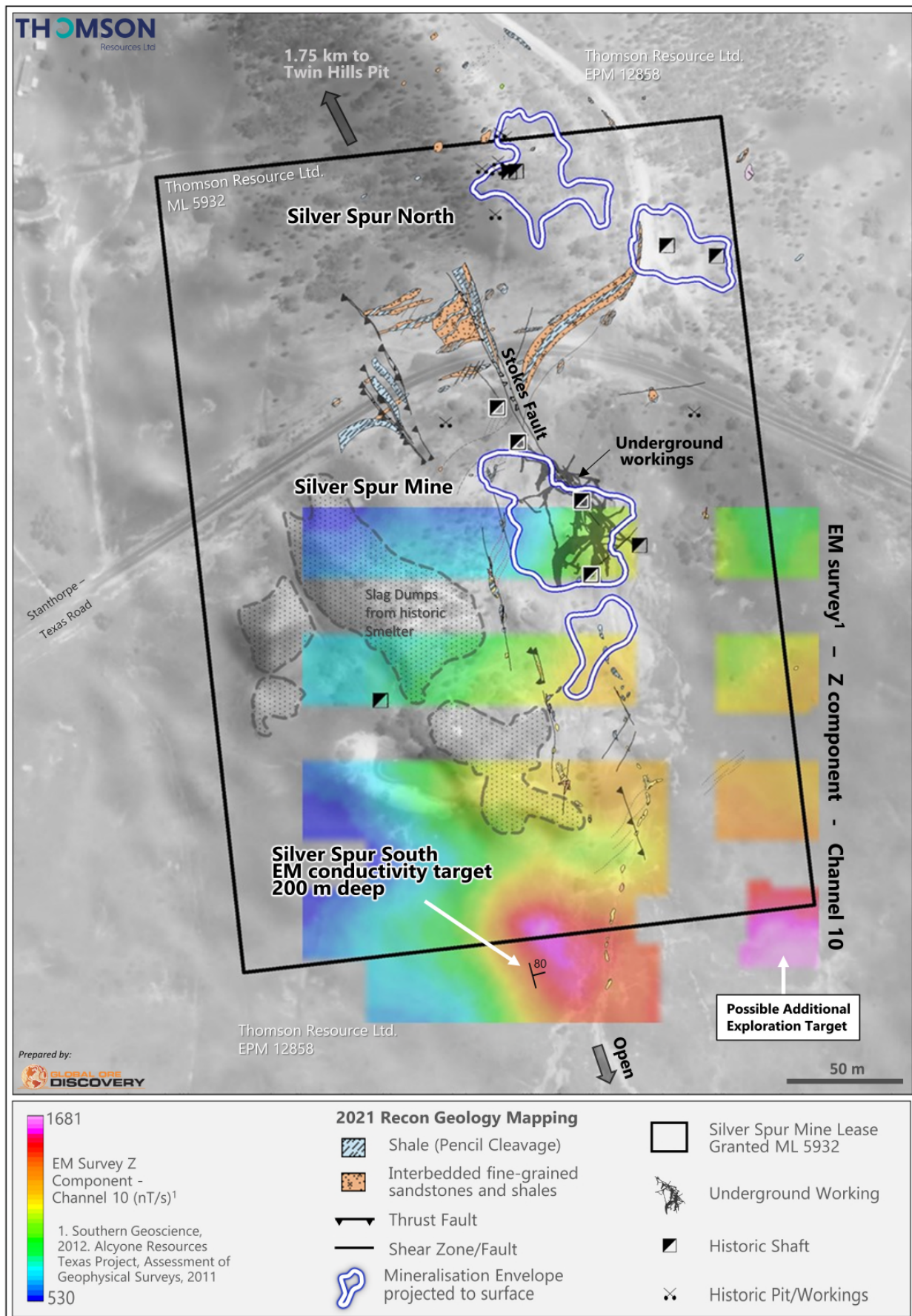


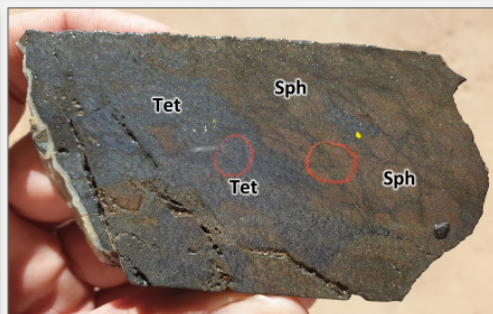
Figure 2 -Silver Spur New Geological Mapping and Untested Geophysical Targets

Texas – Silver Spur Mineralisation



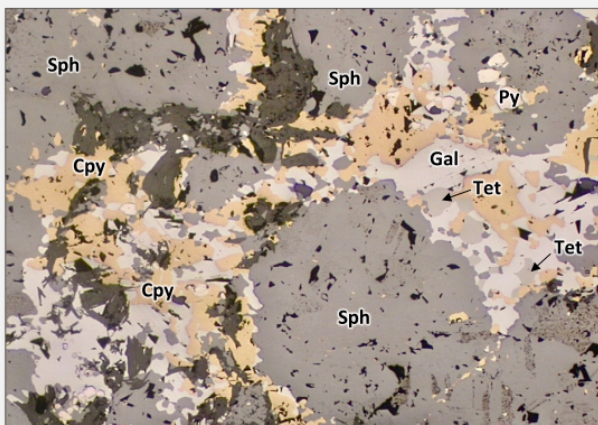
ACSSD002 109-109.3 m

Hydrothermal breccia, sub-angular graphitic siltstone clasts, sulphide-rich matrix dominated by coarse grained low-Fe sphalerite with lesser galena, chalcopyrite, and tetrahedrite.



ACSSD003 36.5-36.6 m

"Bonanza" grade phase Ag Zn Pb Cu mineralization. Tetrahedrite (freibergite), sphalerite, galena and chalcopyrite.



ACSSD002 109 m Photomicrograph

Sulphide breccia matrix

- Paragenetically early Fe-poor sphalerite is replaced by chalcopyrite and galena with subordinate amounts of Ag bearing tetrahedrite (Freibergite).
- This zone represents 35-40% of mineralisation.

Mineral Lookup

Cpy: Chalcopyrite Cu_2FeS_4

Py: Pyrite FeS_2

Gal: Galena PbS

Tet: Tetrahedrite – Freibergite $(\text{Ag,Cu,Fe})_{12}(\text{Sb,As})_4\text{S}_{13}$

Sph: Sphalerite ZnS

Figure 3 - Silver Spur High Grade Zn-Pb-Cu-Ag Mineralisation in Core Holes ACSSD002 and 03¹⁷

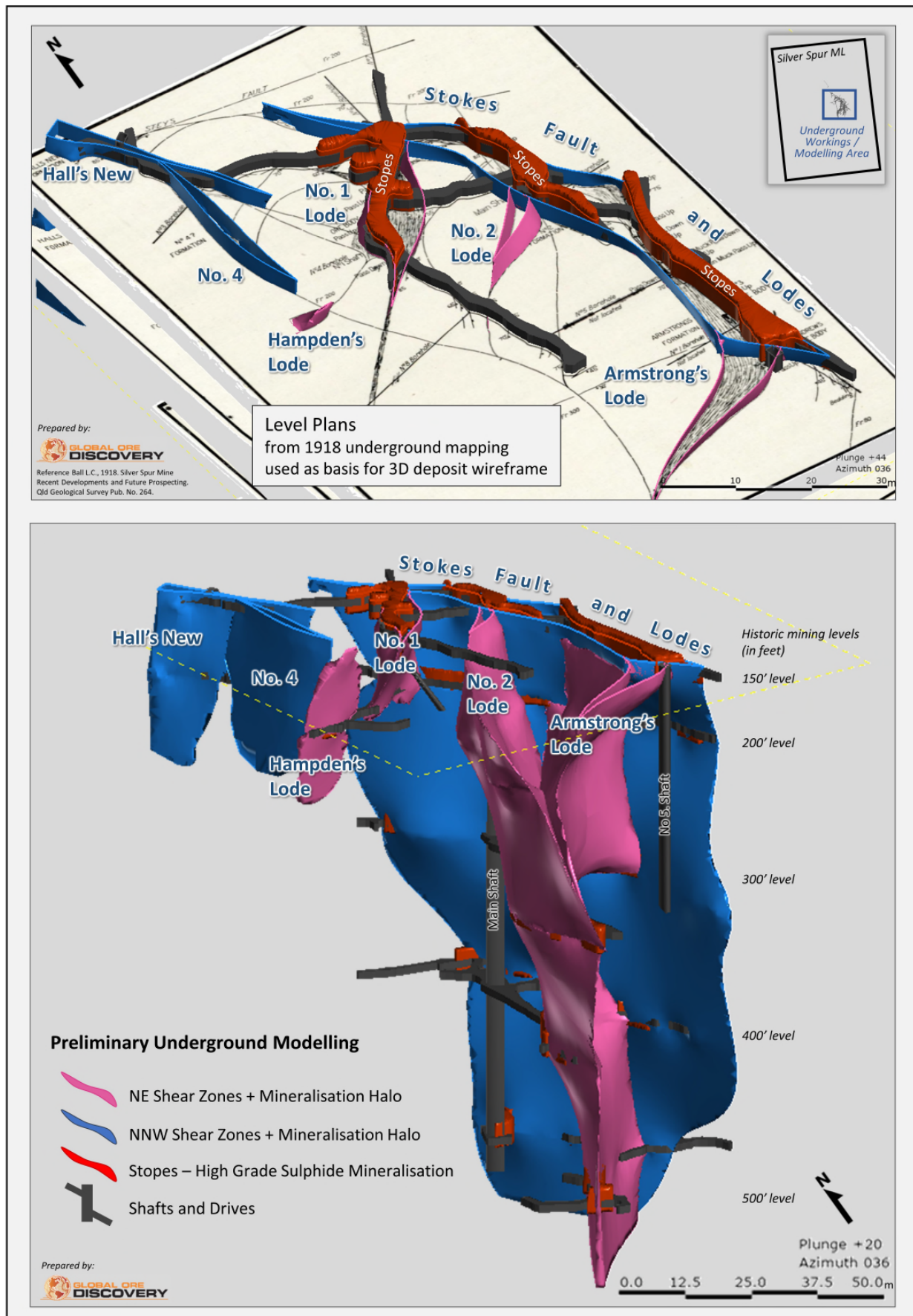


Figure 4 - Preliminary 3D Modelling of Silver Spur Shear Zones, Stopes and Underground Workings

References

- ¹ ASX Release dated 12 May 2021 - Thomson Acquires Silver Spur Mine to Complete Consolidation Of The Texas Silver Base Metal District
- ² Donchak, P.J.T., Bultitude, R.J., Purdy, D.J. & Denaro, T.J., 2007: Geology and mineralisation of the Texas Region, south-eastern Queensland. *Queensland Geology*, 11.
- ³ Halloran, 2015. Overview of the Twin Hills Silver Deposit Texas. Presentation at New England Orogen Seminar, Australia Institute of Geoscientists. www.aig.org.au
- ⁴ Macmin Silver ASX:MMN ASX Release 14 July 2004, Texas Project Resource Base Increased To 56 Million Ounces of Silver Equivalent with The Addition of Historic Silver Spur Mining Lease Resources
- ⁵ Thomson Resources ASX:TMZ ASX Release 4 March 2021, Hub & Spoke Strategy Enhanced with Addition of the Texas Project
- ⁶ MRV Metals ASX:MRV ASX Release_ 19 September 2016, MRV Metals Pty Ltd Confirms Significant Resources in Twin Hills Mine
- ⁷ MRV Metals ASX:MRV ASX Release_ 5 October 2016, MRV Metals Pty Ltd Confirms JORC Resource - Mt Gunyan
- ⁸ Halloran et al., 2017. Twin Hills and Mount Gunyan silver deposits. In *Australian Ore Deposits*, AUSIMM. pp725-728.
- ⁹ Shaw, J.A. 1967. Geological report- Silver Spur district AtoP317M, Carpentaria Exploration, Geol. Survey QLD.
- ¹⁰ Morrison, L. 1971. Report on The Silver Spur Property of Mount Carrington Mines Limited, Texas. Company Report CR014309. From GSQ Open Data Portal <https://geoscience.data.qld.gov.au/>
- ¹¹ Oxley G. W. (1972). The stratigraphy and economic geology of the Silver Spur Area, southern Queensland. BSc (Hons) thesis, University of New England, Armidale (unpubl.).
- ¹² Ashley, P.M. May 2021. Petrographic Report on Twelve Drill Core Samples from Silver Spur Mineral Deposit, Southern Queensland. Report #1187A.
- ¹³ Rimfire Pacific ASX:RIM ASX Releases 30 January & 12 February 1998, Second Quarter Activities Report & Update on the Silver Spur Project ML 5932
- ¹⁴ Ball L.C., 1918. Silver Spur Mine Recent Developments and Future Prospecting. Qld Geological Survey Pub. No. 264.
- ¹⁵ Alcyone Resources ASX:AYN ASX Release 24 January 2012, High Grade Silver and Copper Hits at Silver Spur and Hornet
- ¹⁶ Ball, P. 2012. Texas Silver Project combined annual Report Year ending 31 March, 2012. Company Report CR070824. From GSQ Open Data Portal <https://geoscience.data.qld.gov.au/> & Southern Geoscience, 2012. Alcyone Resources Texas Project, Assessment of Geophysical Surveys, 2011.
- ¹⁷ Alcyone Resources ASX:AYN ASX Release 24 January 2011, Drilling Programme at Silver Spur returns Encouraging Base Metals Results

ABOUT THOMSON RESOURCES

Thomson Resources holds a diverse portfolio of minerals tenements across gold, silver and tin in New South Wales and Queensland. The Company's primary focus is its aggressive "New England Fold Belt Hub and Spoke" consolidation strategy in NSW and Qld border region. The strategy has been designed and executed in order to create a large precious (silver – gold), base and technology metal (zinc, lead, copper, tin) resource hub that could be developed and potentially centrally processed.

The key projects underpinning this strategy have been strategically and aggressively acquired by Thomson in only a 4-month period. These projects include the Webbs and Conrad Silver Projects, Mt Carrington Silver-Gold Project, Texas Silver Project and Silver Spur Silver Project. As part of its New England Fold Belt Hub and Spoke Strategy, Thomson is targeting, in aggregate, in ground material available to a central processing facility of 100 million ounces of silver equivalent.

In addition, the Company is also progressing exploration activities across its Yalgogrin and Harry Smith Gold Projects and the Bygoo Tin Project in the Lachlan Fold Belt in central NSW, which may well form another Hub and Spoke Strategy, as well as the Chillagoe Gold and Cannington Silver Projects located in Queensland.

