



ASX ANNOUNCEMENT – DISCOVEX RESOURCES LIMITED

31/05/2021

SYLVANIA PROJECT UPDATE

Key base layer data set generation underway

- **High-resolution (50m line-spacing) regional aeromagnetics survey completed at the Sylvania Project (total 19,323 line km's).**
- **Completed survey integrated into existing data, providing base layer magnetics covering the majority of the 2,247km² Sylvania Project.**
- **Previously unknown areas of potential prospective greenstone delineated by survey.**
- **Interpreted mafic intrusion confirmed at Bulloo Downs.**
- **Ongoing systematic 400 x 200m soil sampling completed over key northern tenement area.**

Putting the Explore back into Modern Exploration

DiscovEx Resources Limited (ASX:DCX or the Company) is pleased to provide an update on exploration at the newly acquired Sylvania Project, located approximately 12km south-west of Newman, Western Australia. A detailed regional aeromagnetic survey was recently undertaken to complement existing geophysical coverage, the completed survey provides the first of several key base layer data sets that will be used in the generation of multiple prioritised drill targets across the project. In conjunction with the aeromagnetics, the Company has also initiated a large-scale program of surface geochemical sampling to underpin future target generation.

DCX Managing Director, Toby Wellman, commented:

"It's amazing the lack of exploration that has been completed outside of the Prairie Downs and Spearhole Resource areas. This project truly is a blank canvas. Following the acquisition of this new data and the continued generation of additional data, the exploration group has been provided with the building blocks to generate new and potentially company making gold and base metal discoveries."

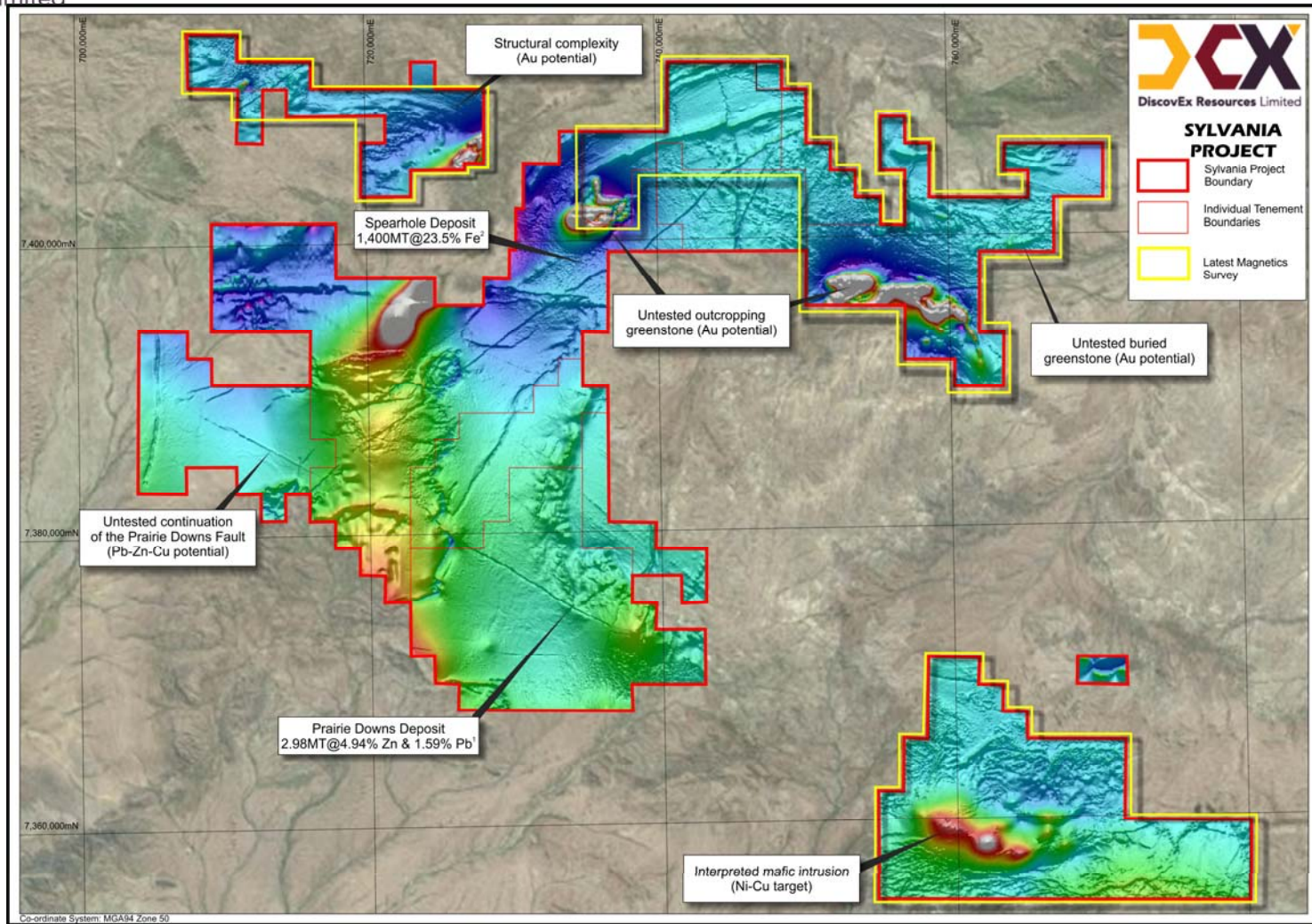


Figure 1: Merged TMI aeromagnetic image. (1 and 2: Refer ASX:DCX announcement – Transformational Gold and Base Metals Project Acquisition and Major Investor (18 Jan 2021))

Airborne Magnetism

The completion of the high-resolution aeromagnetic survey at the Sylvania Project now provides a detailed base layer data set, which when combined with historic data will provide a robust tool in the ongoing evaluation of the project. This new geophysical data has been integrated into historic datasets for use in the interpretation of a geological and structural model to better target areas that have the potential to host gold and base metal discoveries. The survey, which consisted of 50m-spaced lines was completed over poorly understood areas and is the first meaningful work completed since the mid 90's. A total of 19,323 line km's were flown over the northern, southern and western areas with 50m line-spaced data now consistent across the entire project. This now provides a robust base-layer of information to be used for the understanding of structure, geology and controls on mineralisation that will aid in future target generation.

Of particular interest are several areas of previously unknown interpreted buried greenstone rocks in the northern blocks as well as potential mafic intrusives within the southern areas. A detailed interpretation of the data is ongoing.

Soil Sampling

Together with the airborne magnetism survey, soil sampling activities were initiated in early April with over 3,000 samples collected within the granted northern tenement areas. Samples were collected on a 400 x 200m grid pattern with all samples now submitted for analysis. Results are expected by late June. Anticipated future works include the ground checking of all generated anomalies as well as infill sampling programs if required.

In addition to the sampling being completed at the Sylvania Project, further surface sampling is planned the Billinooka Project, with approximately 1,000 samples proposed.

Competent Person's Statement

The information in this announcement that relates to Exploration Results is based on and fairly represents information and supporting documentation compiled by Mr Toby Wellman, a competent person who is a Member of The Australasian Institute of Mining and Metallurgy (MAAusIMM). Mr Wellman has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is 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 Wellman is the Executive Technical Director and Exploration Manager of DiscovEx Resources Limited and consents to the inclusion in this announcement of the Exploration Results in the form and context in which they appear.

The forward looking statements in this announcement are based on the Company's current expectations about future events. They are, however, subject to known and unknown risks, uncertainties and assumptions, many of which are outside the control of the Company and its Directors, which could cause actual results, performance or achievements to differ materially from future results, performance or achievements expressed or implied by the forward looking statements in this announcement. Forward looking statements generally (but not always) include those containing words such as 'anticipate', 'estimates', 'should', 'will', 'expects', 'plans' or similar expressions.

Authorised for release by and investor enquiries to:

Mr Toby Wellman
Managing Director

T: 08 9380 9440



DiscovEx Resources Limited

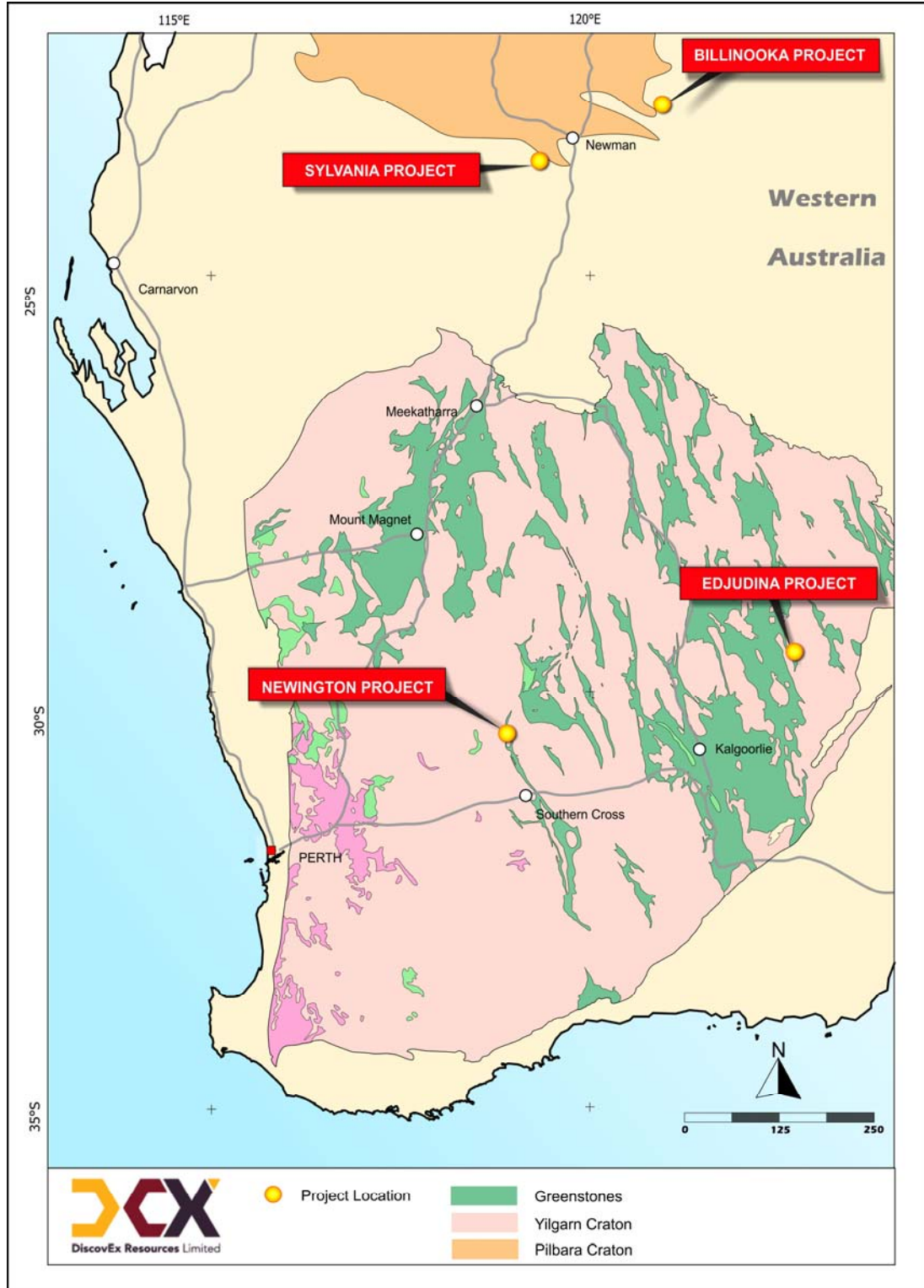


Figure 2: DiscovEx Project locations in Western Australia (modified from Czarnota et al., 2010)





JORC CODE 2012 EDITION TABLE 1

Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> 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. 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 (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 submarine nodules) may warrant disclosure of detailed information. 	An airborne magnetics survey was completed at the Sylvania Project by Thompson Airborne Surveys. The survey consisted of 19,323-line kms of surveying completed on 50m line spacings.
Drilling techniques	<ul style="list-style-type: none"> 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). 	<ul style="list-style-type: none"> Not applicable as no drilling undertaken
Drill sample recovery	<ul style="list-style-type: none"> Method of recording and assessing core and chip sample recoveries and results assessed. Measures taken to maximise 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. 	<ul style="list-style-type: none"> Not applicable as no drilling undertaken
Logging	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Not applicable as no drilling undertaken
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Not applicable as no drilling undertaken





Criteria	JORC Code explanation	Commentary
	<p><i>appropriateness of the sample preparation technique.</i></p> <ul style="list-style-type: none"> • <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> 	
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, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</i> 	<ul style="list-style-type: none"> • The geophysical equipment used: <ul style="list-style-type: none"> ○ Magnetometer: Geometrics G-822A ○ Gamma-Ray Spectrometer: RS-400 gamma-ray spectrometer ○ Altimeters: King KR 495B radar altimeter and Setra 276 Pressure Transducer ○ Magnetic Base station: record data to a sensitivity of 0.1nT every 6 seconds ○ Navigation: Novatel OEMV-1VBS GPS receiver • QAQC checks included: <ul style="list-style-type: none"> ○ Flight path plots, to demonstrate quality of navigation, ○ Magnetic stacked profiles, to demonstrate character of magnetic data, ○ Statistical summary of line data ○ Magnetometer base station plots, ○ Progressive image presentation of magnetic and topographic data, ○ Daily plots of aircraft parking locations to verify GPS positions.
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"> • Raw geophysical data was captured electronically in the field and sent to Thompson Airborne Surveys for internal validation. The modelled data was completed by Core Geophysics and interpreted internally by DiscovEx Resources. All quality control was completed by Thompson Airborne Surveys and reviewed by Core Geophysics.
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"> • All spatial data was collected in UTM (metres)
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</i> 	<ul style="list-style-type: none"> • Lines were completed on 50m line spacing.

Criteria	JORC Code explanation	Commentary
	<p><i>procedure(s) and classifications applied.</i></p> <ul style="list-style-type: none"> • <i>Whether sample compositing has been applied.</i> 	
Orientation of data in relation to geological structure	<ul style="list-style-type: none"> • <i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i> • <i>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.</i> 	<ul style="list-style-type: none"> • A nominal line direction of 180 degrees was completed (perpendicular to orientation of major lithology)
Sample security	<ul style="list-style-type: none"> • <i>The measures taken to ensure sample security.</i> 	<ul style="list-style-type: none"> • Not applicable as no samples were collected
Audits or reviews	<ul style="list-style-type: none"> • <i>The results of any audits or reviews of sampling techniques and data.</i> 	<ul style="list-style-type: none"> • No audits or reviews of the sampling technique were completed.

Criteria	JORC Code explanation																																																																							
Section 2 – Reporting of Exploration Results																																																																								
Mineral tenement and land tenure status	<p><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></p>	<p>The Sylvania Project comprises ten granted Exploration Licences and seven Exploration Licence Applications as detailed. DiscovEx entered into an Agreement with Lighthouse Resources to purchase all tenements held within the company including those held by Gateway Projects WA Pty Ltd and Crest Investment Group 3. The tenement transfer process is currently under way.</p> <p>E52/3365 and E52/3366 have a 1.5% gross revenue royalty on all products in favour of Gateway Projects WA Pty Ltd.</p> <p>The tenements are all located in Western Australia.</p> <p>The tenements do not host any wilderness or national parks. The tenements are located within several area of native title interest including the Ngarlawagga, Nyiyaparli and Nyiyaparli #3, and Nharnuwangga peoples land.</p>																																																																						
		<table border="1"> <thead> <tr> <th>Tenement ID</th> <th>Status</th> <th>Holder 1</th> <th>Grant Date</th> <th>DCX Ownership</th> </tr> </thead> <tbody> <tr> <td>E46/1341</td> <td>Granted</td> <td>Crest Investment Group 3</td> <td>22/07/2020</td> <td>100%</td> </tr> <tr> <td>E46/1342</td> <td>Granted</td> <td>Crest Investment Group 3</td> <td>22/07/2020</td> <td>100%</td> </tr> <tr> <td>E52/3365</td> <td>Granted</td> <td>Gateway Projects WA Pty Ltd</td> <td>15/05/2017</td> <td>100%</td> </tr> <tr> <td>E52/3366</td> <td>Granted</td> <td>Gateway Projects WA Pty Ltd</td> <td>15/05/2017</td> <td>100%</td> </tr> <tr> <td>E52/3638</td> <td>Granted</td> <td>Crest Investment Group 3</td> <td>13/01/2020</td> <td>100%</td> </tr> <tr> <td>E52/3748</td> <td>Granted</td> <td>Crest Investment Group 3</td> <td>4/08/2020</td> <td>100%</td> </tr> <tr> <td>E52/3774</td> <td>Granted</td> <td>Crest Investment Group 3 (JV)</td> <td>18/03/2021</td> <td>Earning 90%</td> </tr> <tr> <td>E52/3775</td> <td>Granted</td> <td>Crest Investment Group 3 (JV)</td> <td>18/03/2021</td> <td>Earning 90%</td> </tr> <tr> <td>E52/3780</td> <td>Granted</td> <td>Crest Investment Group 3 (JV)</td> <td>30/03/2021</td> <td>Earning 90%</td> </tr> <tr> <td>E52/3784</td> <td>Granted</td> <td>Crest Investment Group 3</td> <td>4/08/2020</td> <td>100%</td> </tr> <tr> <td>E52/3884</td> <td>Application</td> <td>DiscovEx Resources Limited</td> <td></td> <td>N/A</td> </tr> <tr> <td>E52/3887</td> <td>Application</td> <td>Lighthouse Resources</td> <td></td> <td>N/A</td> </tr> <tr> <td>E52/3888</td> <td>Application</td> <td>Lighthouse Resources</td> <td></td> <td>N/A</td> </tr> </tbody> </table>	Tenement ID	Status	Holder 1	Grant Date	DCX Ownership	E46/1341	Granted	Crest Investment Group 3	22/07/2020	100%	E46/1342	Granted	Crest Investment Group 3	22/07/2020	100%	E52/3365	Granted	Gateway Projects WA Pty Ltd	15/05/2017	100%	E52/3366	Granted	Gateway Projects WA Pty Ltd	15/05/2017	100%	E52/3638	Granted	Crest Investment Group 3	13/01/2020	100%	E52/3748	Granted	Crest Investment Group 3	4/08/2020	100%	E52/3774	Granted	Crest Investment Group 3 (JV)	18/03/2021	Earning 90%	E52/3775	Granted	Crest Investment Group 3 (JV)	18/03/2021	Earning 90%	E52/3780	Granted	Crest Investment Group 3 (JV)	30/03/2021	Earning 90%	E52/3784	Granted	Crest Investment Group 3	4/08/2020	100%	E52/3884	Application	DiscovEx Resources Limited		N/A	E52/3887	Application	Lighthouse Resources		N/A	E52/3888	Application	Lighthouse Resources		N/A
		Tenement ID	Status	Holder 1	Grant Date	DCX Ownership																																																																		
		E46/1341	Granted	Crest Investment Group 3	22/07/2020	100%																																																																		
		E46/1342	Granted	Crest Investment Group 3	22/07/2020	100%																																																																		
		E52/3365	Granted	Gateway Projects WA Pty Ltd	15/05/2017	100%																																																																		
		E52/3366	Granted	Gateway Projects WA Pty Ltd	15/05/2017	100%																																																																		
		E52/3638	Granted	Crest Investment Group 3	13/01/2020	100%																																																																		
		E52/3748	Granted	Crest Investment Group 3	4/08/2020	100%																																																																		
		E52/3774	Granted	Crest Investment Group 3 (JV)	18/03/2021	Earning 90%																																																																		
		E52/3775	Granted	Crest Investment Group 3 (JV)	18/03/2021	Earning 90%																																																																		
		E52/3780	Granted	Crest Investment Group 3 (JV)	30/03/2021	Earning 90%																																																																		
		E52/3784	Granted	Crest Investment Group 3	4/08/2020	100%																																																																		
E52/3884	Application	DiscovEx Resources Limited		N/A																																																																				
E52/3887	Application	Lighthouse Resources		N/A																																																																				
E52/3888	Application	Lighthouse Resources		N/A																																																																				

		E52/3889	Application	Lighthouse Resources		N/A
		E52/3890	Application	Lighthouse Resources		N/A
		E52/3901	Application	DiscovEx Resources Limited		N/A
		E52/3911	Application	DiscovEx Resources Limited		N/A
	<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>	The granted tenements are in good standing and are currently being assessed for duty within the Office of State Revenue before being transferred to Lighthouse Resources. The pending tenements are within the DMIRS grant process and will be assessed in due course.				
Exploration done by other parties	<i>Acknowledgment and appraisal of exploration by other parties.</i>	<p>Numerous exploration companies have conducted exploration at Prairie Downs and surrounding areas over a number of years. This includes:</p> <ul style="list-style-type: none"> Australian Ores and Minerals NL/Hill Minerals NL (Zn/Pb, 1969-1974) Shell Minerals Exploration (Australia) Pty Ltd (Zn/Pb, 1974-1975) CRA Exploration Pty Ltd (U, 1974) Pancontinental Mining Ltd/PMC Exploration Australia Pty Ltd (U, 1979-1987) Uranerz Australia Pty Ltd (U, 1981) Concord Mining NL (1987 – 1991) Sovereign Resources (Australia) NL (Cu/Pb/Zn, 1991-1997) Hampton Hill Mining NL (Au/Cu, 1996 – 1999) Fodina Minerals Pty Ltd/Outokompu Exploration Ventures Pty Ltd (Cu/Pb/Zn, 1994-1996) Capricorn Resources NL (Zn/Pb, 1998) Prairie Down Metals Pty Ltd (Zn/Pb/Fe, 2005 – 2010) Ivornia Inc. (Zn/Pb – 2010-2012) Dynasty Resources (Fe, 2010-2017) Marindi Metals (Zn/Pb, 2013-2016) 				
Geology	<i>Deposit type, geological setting and style of mineralisation.</i>	<p>The Prairie Downs deposit is located within a sequence of sediments (Prairie Downs Formation) and Archaen greenstones (Fortescue Group) which onlap the granitic Sylvania Dome. The hanging-wall rocks are mafic volcanics and the footwall lithologies range from mafic lavas, mafic pyroclastics and cherty metasediments.</p> <p>The mineralisation appears to have a strong association with the brecciated zones and could broadly be described as stratabound. There are clear associations of mineralisation to the hanging-wall and footwall contacts of the breccias however there are quite well-defined zones of cross-cutting mineralisation that are probably related to zones of enhanced fluid flow caused by fracture zones.</p> <p>The Husky South prospect is located on the Prairie Downs Fault. The fault loosely marks the contact between the Fortescue group and the Bresnahan group and hosts high grade zinc and lead mineralisation.</p>				
Drill hole Information	<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:</i>	No drilling or exploration results have been reported within this announcement				



DiscovEx Resources Limited

	<i>Easting and northing of the drill hole collar</i>	No drilling has been reported within this announcement
	<i>Elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</i>	No drilling has been reported within this announcement
	<i>Dip and azimuth of the hole</i>	No drilling has been reported within this announcement
	<i>Down hole length and interception depth</i>	No drilling has been reported within this announcement
	<i>Hole length.</i>	No drilling has been reported within this announcement
	<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>	No drilling has been reported within this announcement
Data aggregation methods	<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>	No exploration results have been reported within this release
	<i>Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used</i>	No drilling results have been reported within this release





DiscovEx Resources Limited

	<p>for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</p>	
	<p>The assumptions used for any reporting of metal equivalent values should be clearly stated.</p>	No drilling results have been reported within this release
<p>Relationship between mineralisation widths and intercept lengths</p>	<p>These relationships are particularly important in the reporting of Exploration Results.</p>	No exploration results have been reported within this release
	<p>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</p>	No drilling results have been reported within this release
	<p>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').</p>	No drilling has been reported within this announcement
<p>Diagrams</p>	<p>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.</p>	No drilling has been reported within this announcement





<p>Balanced reporting</p>	<p><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 reporting of Exploration Results.</i></p>	<p>No drilling has been reported within this announcement</p>
<p>Other substantive exploration data</p>	<p><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></p>	<p>No drilling has been reported within this announcement</p>
<p>Further work</p>	<p><i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i></p>	<p>Further targeting of anomalism through extensive soil sampling will take place over the coming quarters, followed by AC drilling if appropriate.</p>
	<p><i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations</i></p>	<p>Refer to figure 1 within this Announcement.</p>





DiscovEx Resources Limited

	<i>and future drilling areas, provided this information is not commercially sensitive.</i>	
--	--	--

