ASX ANNOUNCEMENT – DISCOVEX RESOURCES LIMITED

19 January 2023

December 2022 Quarterly Activities Report

Highlights

- **Edjudina Project**
  - Bedrock and paleochannel gold intersected at Spartan
  - Composite results returned from first 37 AC holes (phase 1 drilling).
  - Drill program completed with an additional 151 holes drilled.
  - Infill soil sampling confirming scale and high-grade tenor of gold anomalism at the Falcon Prospect.
- **Sylvania Project**
  - Drilling activities planned pending heritage approvals.

Putting the Explore back into Modern Exploration

EXPLORATION AND EVALUATION

DiscovEx Resources Limited ("**DiscovEx**" or the "**Company**") continued its greenfield exploration approach within the quarter with activities progressing at the Sylvania and Edjudina Projects (**Figure 1**).

Further drilling and geophysical activities continued at the Greater Duchess Project (QLD), within the Joint Venture ("**JV**") between Carnaby Resources Limited (**ASX:CNB** or "**Carnaby**") and DiscovEx. DiscovEx holds a 17.5% interest in the Greater Duchess tenements and is free carried through to a decision to mine.

![DiscovEx Resources Limited logo]

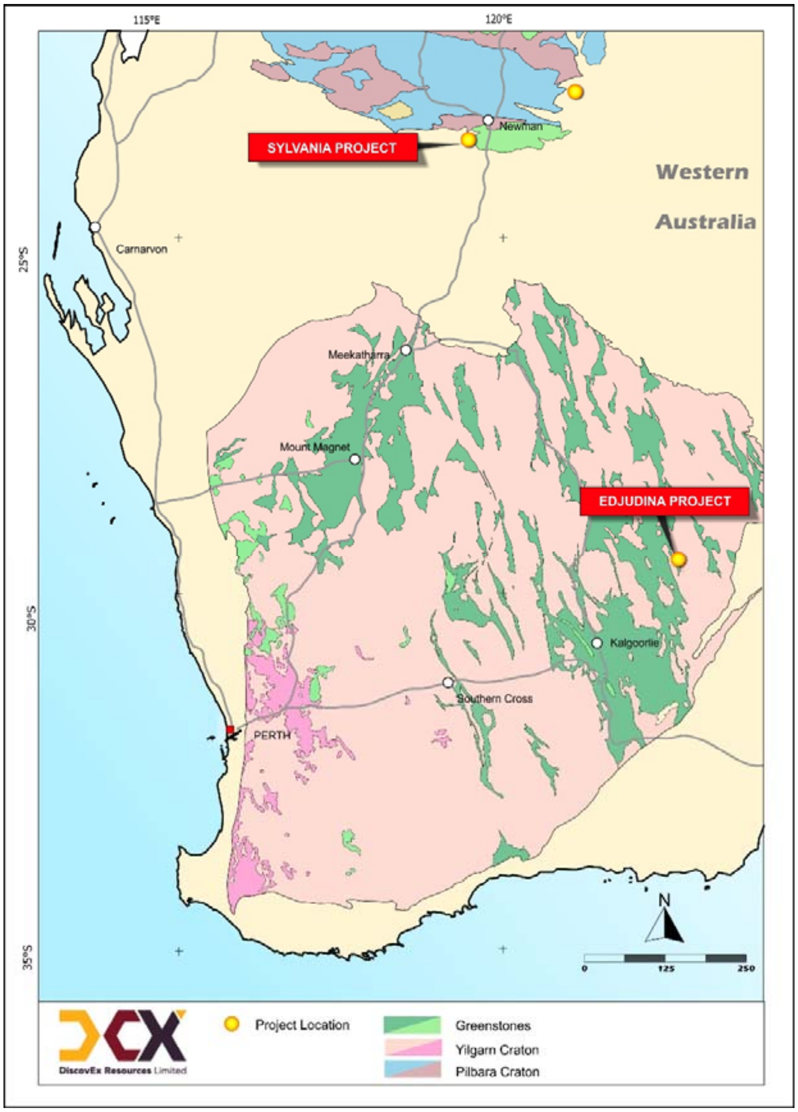

Figure 1: DiscovEx Resources Limited Project locations

EDJUDINA PROJECT

Spartan Prospect

Phase one aircore drilling was completed at the Spartan Prospect, targeting a previously generated 1.3km long +50ppb surface gold anomaly with a peak value of 0.54g/t Au (*previously reported on 21st July 2022 "Infill Surface Sampling upgrades Spartan Anomaly"*). Drilling was undertaken to determine the potential for gold mineralisation within insitu, weathered basement rocks and to determine the extent and distribution of gold within the overlying transported cover. Initial assays were received from the first 37 holes of the drill program with an additional 151 holes completed.

The results have identified gold mineralisation across multiple horizons, the first being within carbonate rich sandy soils at surface (0-8m), repeating the original surface geochemical anomaly.

Elevated gold results have also been returned from a shallow, quartz gravel (+silcrete) paleochannel at or close to the base of transported material (~32-40m) and more significantly, anomalous gold (and copper) values have also been intersected within in-situ bedrock material beneath the paleochannel gold results. Completed holes were drilled on 200 x 50m and 200 x 100m centres, with drilling focussed on penetrating the transported cover sequence to obtain samples of the weathered bedrock.

Significant gold results returned from the initial 37 holes within the broader program are listed below (significant results above 0.1g/t Au):

Surface mineralisation

- 4m@0.16g/t Au (SPAC012)
- 12m@0.12g/t Au (SPAC013)
- 8m@0.15g/t Au (SPAC014)
- 4m@0.1g/t Au (SPAC015)
- 4m@0.19g/t Au (SPAC016)
- 16m@0.23g/t Au (SPAC017)
- 4m@0.16g/t Au (SPAC019)
- 4m@0.1g/t Au (SPAC020)
- 4m@0.1g/t Au (SPAC025)
- 4m@0.18g/t Au (SPAC026)
- 4m@0.14g/t Au (SPAC027)
- 4m@0.14g/t Au (SPAC028)
- 4m@0.11g/t Au (SPAC034)

Base of paleochannel mineralisation

- 8m@0.28g/t Au (SPAC010)
- 4m@0.40g/t Au (SPAC011)
- 8m@0.23g/t Au (SPAC012)
- 4m@0.10g/t Au (SPAC013)
- 12m@0.83g/t Au
  incl. **4m@2.06g/t Au (SPAC017)**
- 4m@0.12g/t Au (SPAC019)
- 4m@0.13g/t Au (SPAC020)
- 4m@0.64g/t Au (SPAC025)
- 4m@0.13g/t Au (SPAC026)
- 16m@0.46g/t Au
  incl. **4m@0.95g/t Au (SPAC029)**
- 4m@0.12g/t Au (SPAC034)

Weathered bedrock mineralisation

- 1m@0.22g/t Au (SPAC001)
- 8m@0.22g/t Au (SPAC016)
- 4m@0.27g/t Au (SPAC026)
- 2m@0.16g/t Au (SPAC032)

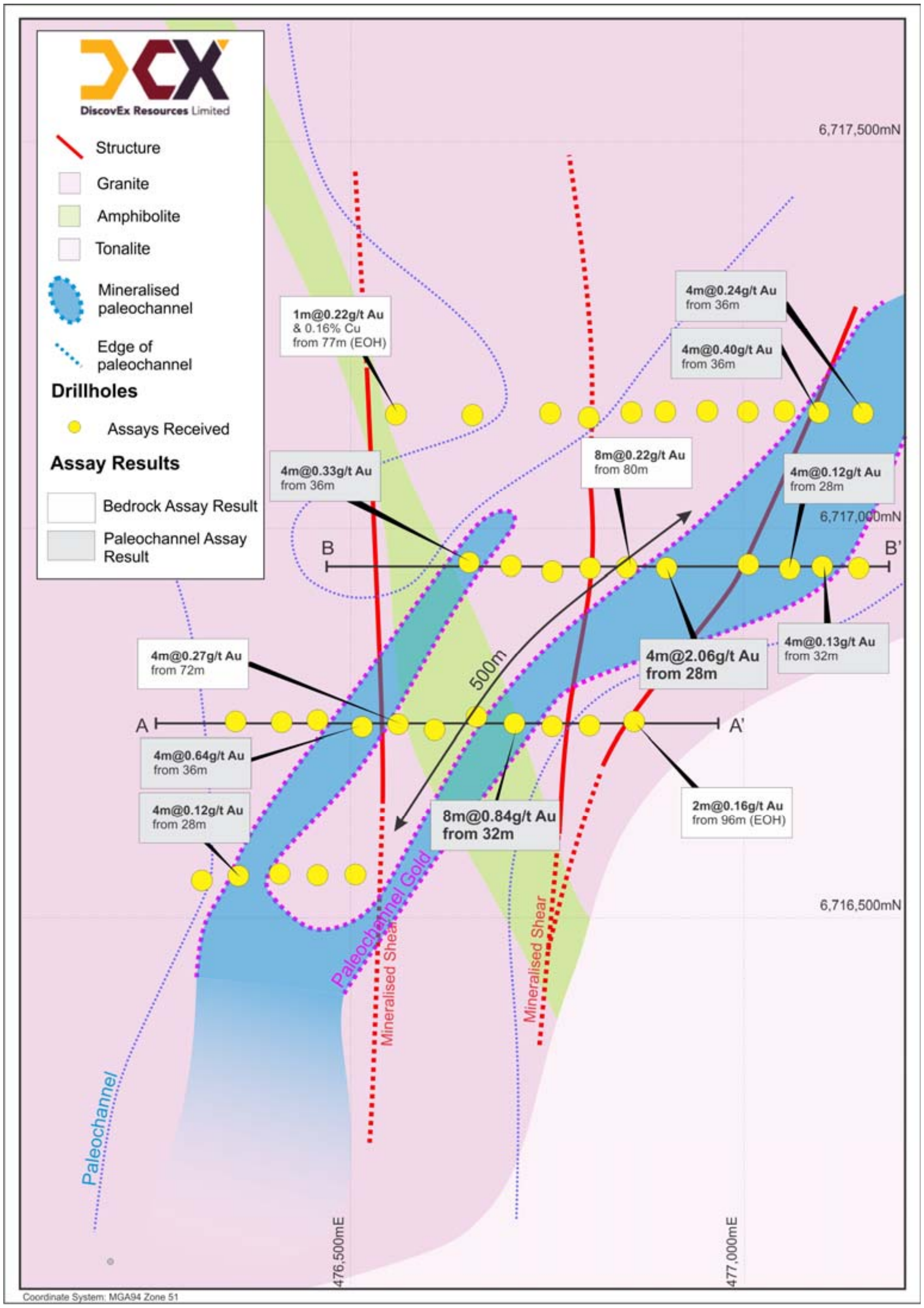

Figure 2: Significant intersections from weathered bedrock and paleochannel mineralisation.

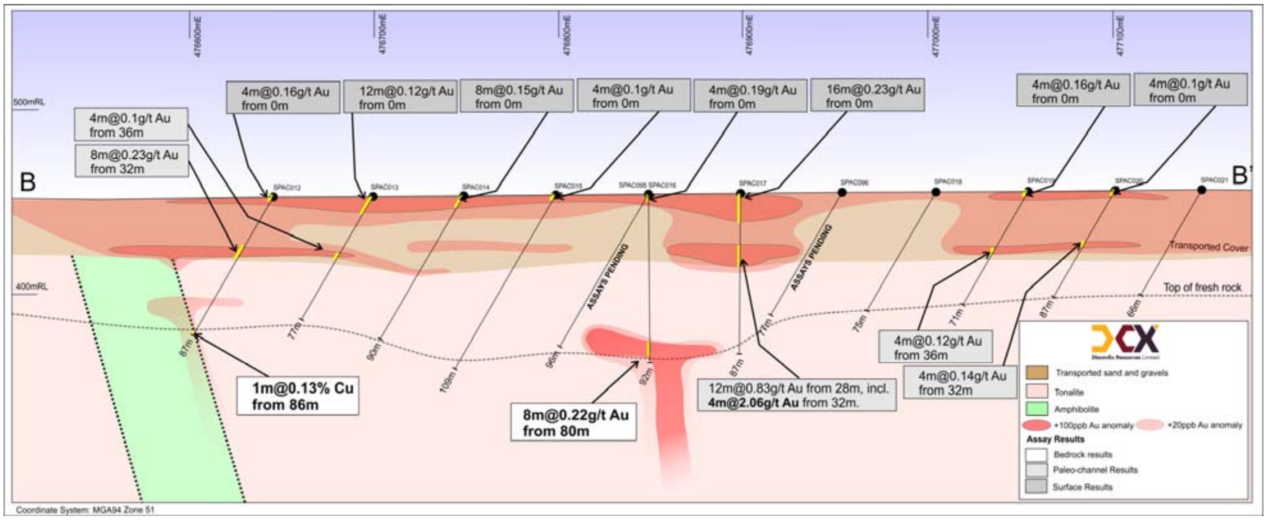

Figure 3: Drillhole section 6716950mN

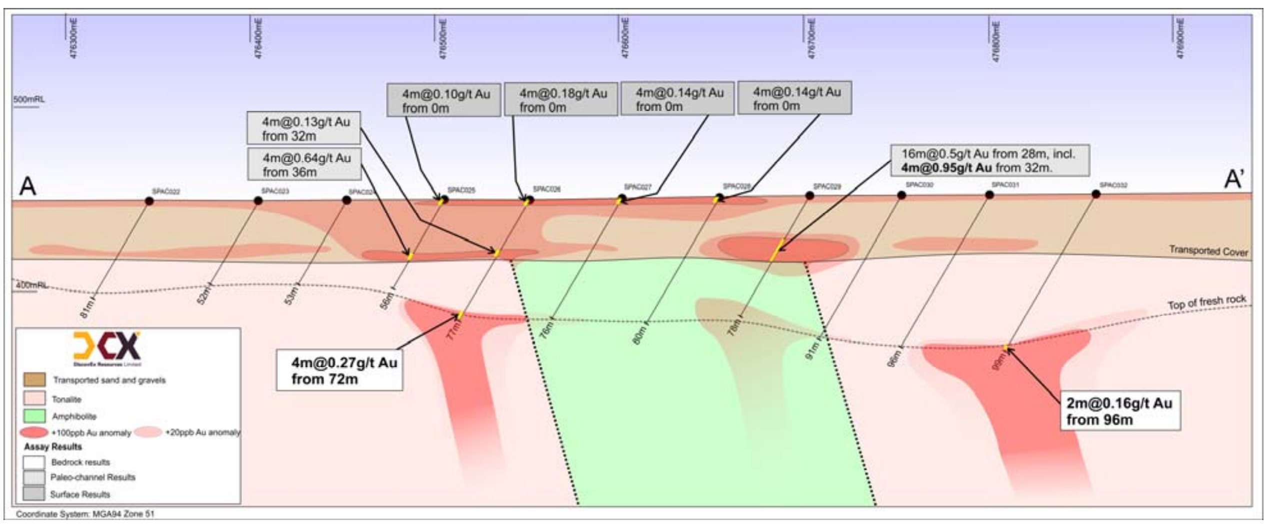

Figure 4: Drillhole section 6716750mN

Falcon Prospect

Surface geochemical sampling was completed at the Falcon Prospect, located approximately 5km east of the Spartan Prospect. The sampling was completed to infill previous 200 x 400m spaced samples. Results confirmed the scale of the original anomaly (~3km) and upgraded the tenor, with best results returned of 98ppb Au, 95ppb Au and 51ppb Au, proximal to a previously returned sample of 48ppb Au (*previously reported on 21st July 2022 "Infill Surface Sampling upgrades Spartan Anomaly"*). A new anomaly was also generated approximately ~2km to the east of Falcon, peaking at 76ppb Au (**Figure 5**). This anomaly, known as the Hercules Prospect remains open to the north and will be the subject of an additional soil sampling campaign once E39/2334 has been granted.

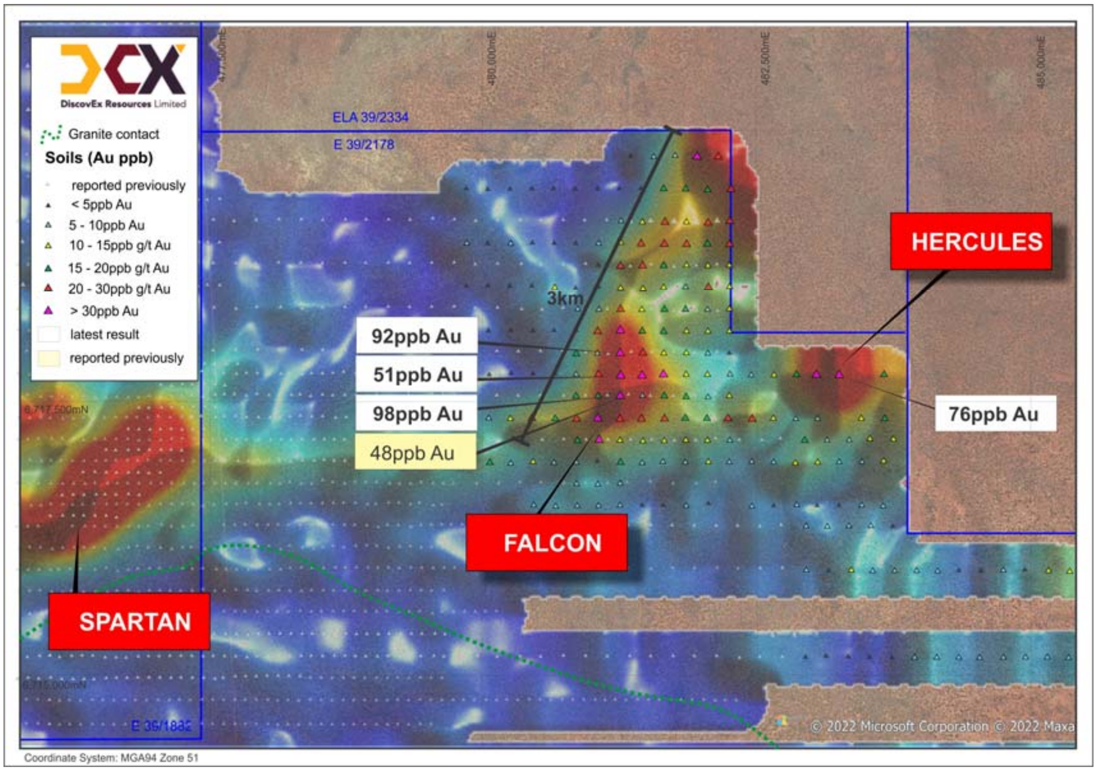

Figure 5: Infill surface sampling locations completed at the Falcon Prospect, with contoured gold image as background.

Future Activities

Results from the remaining 151 AC holes at Spartan are currently pending from the assay laboratory but are expected in early 2023. Once received, all results will be reviewed and reported.

SYLVANIA PROJECT

Exploration activities continued at the Sylvania Project, however these were largely restricted to data review and drill site rehabilitation due to proposed heritage surveys being delayed.

Future Activities

Heritage requests have been submitted to traditional owners for clearance of drill lines for tenement E52/3780 (Kelpie Prospect) and tenement E52/3365 (Contact Prospect). In addition to heritage activities several additional key tenements are progressing through the application phase of the tenement grant process with planned activities to be scheduled once completed.

DiscovEx Resources Limited

OTHER INTERESTS

Free Carried Interests - Carnaby Resources Limited

The Greater Duchess Copper Gold Project, held by Carnaby Resources Limited (ASX:CNB or "**Carnaby**") contains several tenements that are subject to a 17.5% free-carried interest by DiscovEx and are held under a Joint Venture ("**JV**") between the two parties. Carnaby are required to solely fund all costs in connection with the activities of the JV, inclusive of exploration and development until a Decision to Mine ("**DTM**").

Following the presentation to the JV committee of a positive Definitive Feasibility Study ("**DFS**") and a DTM is made, Carnaby will have a first right of refusal to acquire DiscovEx's interest, equal to the fair market value. If Carnaby does not elect to acquire this interest, DCX may either contribute or dilute. If DiscovEx's interest is diluted to less than 5%, Carnaby must acquire DiscovEx's interest for fair market value of the remaining interest.

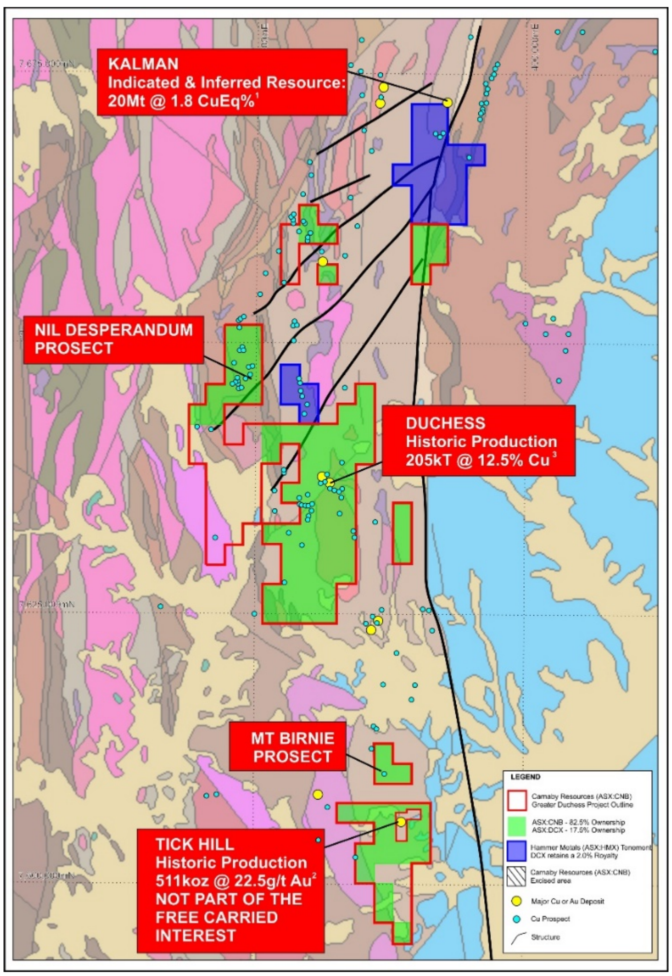

Figure 6: DiscovEx tenement interests in Queensland within Carnaby Resources Ltd and Hammer Metals Ltd.

1. Refer Hammer Metals announcement dated the 27th September 2016 (Kalman Resource Update).
2. Forrestal P.J. et al, 1998 (Tick Hill Gold Deposit).
3. Blake D.H. et al, 1994 BMR Bulletin 219

The free carried interest includes 12 tenements, covering an area of approximately 293km2 and is located approximately 100km south-east of Mt Isa in North Queensland. In addition to the Carnaby interest, DiscovEx also holds a 2% royalty over Hammer Metals Ltd (ASX: HMX) held tenement EPM13870, which contains a portion of the Kalman Deposit including the down-plunge extent. Tenement locations are shown in **Figure 7**.

Equity Positions

The Company currently has a portfolio of ASX listed stocks, listed below:

Midas Minerals Ltd (ASX:MM1): DiscovEx holds 2,693,639 shares in ASX listed Midas Minerals Ltd. This equity position was established following the sale of the Newington Project, executed on the 30th of June 2022.

Six Sigma Metals (ASX:SI6): DiscovEx holds 39,979,997 shares in ASX listed Six Sigma Metals. This equity position was established following the sale of the Monument Project, executed on the 23rd of August 2021.

Dreadnought Resources Limited (ASX:DRE): DiscovEx holds 10,000,000 shares in ASX listed Dreadnought Resources.

OreCorp Limited (ASX:ORR): DiscovEx holds 184,615 shares in ASX listed OreCorp Limited. This equity position was established following the sale of various tenements in the Edjudina region of Western Australia, executed on the 17th of December 2020.

Solstice Minerals Limited (ASX:SLS): DiscovEx holds 18,563 shares in ASX listed Solstice Minerals Limited. This equity position was established following an in-specie distribution to existing OreCorp shareholders on the 1st of May 2022.

CORPORATE

The Company held its Annual General Meeting on 13 October 2022 with all resolutions passed.

During the quarter the following unlisted options expired without exercise:

Number	Exercise Price	Expiry Date
62,561,547	$0.02	9 DECEMBER 2022

The Company's capital structure after expiry of these securities is now as follows:

Quoted Securities	Number
Fully paid ordinary shares (DCX)	3,302,568,098

Unquoted Securities	Number
Unlisted Options EXERCISE PRICE $0.017 EXPIRING 1 DECEMBER 2023	16,000,000

Unlisted Options EXERCISE PRICE $0.0225 EXPIRING 1 DECEMBER 2023	16,000,000
Unlisted Options EXERCISE PRICE $0.0315 EXPIRING 1 DECEMBER 2023	8,000,000
Unlisted Options EXERCISE PRICE $0.013 EXPIRING 20 AUGUST 2024	1,000,000
Unlisted Options EXERCISE PRICE $0.00725 EXPIRING 14 OCTOBER 2025	25,750,000
Unlisted Options EXERCISE PRICE $0.0095 EXPIRING 14 OCTOBER 2025	25,750,000

CASH RESERVES AND CASHFLOW DISCLOSURES

As at 31 December 2022, DiscovEx had cash reserves of $2.439M, no corporate debt and minimal long-term commitments.

Operating cash outflows for the Quarter included payments for exploration and evaluation activities of $858K. As disclosed in item 6.1 of the Company's Appendix 5B, payments to related parties totalled $94K for the quarter and consisted of remuneration paid to executive and non-executive directors in line with their service and employment agreements.

Project Expenditure

Project	Expenditure ($A'000)
Edjudina	675
Sylvania	140
Other	43
TOTAL	**858**

TENEMENTS

In accordance with ASX Listing Rule 5.3.3, details of the tenements held, tenement movements and farm-in and farm-out arrangements during and at the end of the Quarter are set out in Appendix 1 to this report.

SHAREHOLDER INFORMATION

As at 31 December 2022, DiscovEx had 3,302,568,098 fully-paid ordinary shares on issue and 1,921 shareholders. The top 20 shareholders held approximately 41% of the Company's shares.

The Company also had 92,500,000 unlisted options on issue exercisable at prices between 0.725 cents and 3.15 cents and expiring in December 2023, August 2024 and October 2025 (see listing above).

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.

This announcement is authorised for release by the Board of DiscovEx Resources Limited.

For further information please visit: www.discovexresources.com.au or contact:

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APPENDIX 1 – Additional Information Required under Listing Rule 5.3.3

Mining tenements held at the end of the Quarter and their location:

Tenement	Status	% Ownership
Edjudina Gold Project – Laverton, WA		
E28/2884	Granted	80%
E31/1187	Granted	80%
E31/1198	Granted	80%
E31/1227	Granted	80%
E39/2102	Granted	80%
E39/2126	Granted	80%
P31/2126	Granted	80%
P31/2125	Granted	80%
E39/1765	Granted	80%
E39/1882	Granted	80%
E39/2178	Granted	100%
E39/2182	Granted	100%
E39/2181	Granted	100%
E39/2186	Granted	100%
E39/2334	Application	100%
E39/2344	Application	100%
Sylvania Project – Newman, WA		
E52/3780	Granted	90%
E46/1341	Granted	100%
E46/1342	Granted	100%
E52/3365	Granted	100%
E52/3366	Granted	100%
E52/3638	Granted	100%
E52/3748	Granted	100%
E52/3784	Granted	100%
E52/3888	Granted	100%
E52/3890	Granted	100%
E52/3911	Granted	100%
E52/3995	Granted	100%
E52/3887	Granted	100%
E52/3996	Application	90%
E52/3997	Application	90%
E52/3884	Application	100%
E52/3889	Application	100%
E52/3980	Application	100%

Gullewa Gold Project – Gullewa, WA		
E59/2584	Granted	100%
Sandstone Project – Sandstone, WA		
E57/1274	Application – Ballot	100%
E57/1277	Application – Ballot	100%
E57/1282	Application – Ballot	100%
E57/1287	Application – Ballot	100%
E57/1293	Application – Ballot	100%
E57/1297	Application – Ballot	100%
E57/1301	Application – Ballot	100%
E57/1305	Application – Ballot	100%
Other – Kalgoorlie, WA		
E27/695	Application	100%

The Company also retains a 17.5% interest in the following tenements near Mt Isa, Queensland: EPM9083, EPM11013, EPM14366, EPM14369, EPM17637, EPM18223, EPM18980, EPM19008, EPM25435, EPM25439, EPM25853 and EPM25972.

Mining tenements acquired during the Quarter and their location:

Tenements E57/1274, E57/1277, E57/1282, E57/1287, E57/1293, E57/1297, E57/1301, E57/1305 were applied for on the 23/11/2022 under the name of Wedgetail Exploration Pty Ltd and are located proximal to the regional center of Sandstone, WA.

Mining tenements disposed of during the Quarter and their location:

Nil

Tenements held in farm-in or farm-out agreements at the end of the Quarter:
Farm-in Agreements

Edjudina: Under the terms of the JV agreement with Crest Investment Group Limited, DiscovEx owns 80% of tenements within the Edjudina Project including E28/2884, E31/1187, E31/1198, E31/1227, E39/2102, E39/2126, P31/2126 and P31/2125. Refer to the ASX announcements dated the 13 March 2020 and 15 April 2020. This interest was earned on the 14th April 2022.

Farm-out Agreements
Nil.

Beneficial percentage interests in farm-in or farm-out agreements acquired or disposed of during the Quarter:
Nil.