

ASX ANNOUNCEMENT**ASX code:** GED

18 October 2019

Quarterly Activities Report For the Quarter Ended 30 September 2019

Highlights:

- Trial operations (Phase 2) commenced under the Joint Venture Agreement with Generous Metals Company Limited (GMC).
 - Mintek's detailed metallurgical study is complete and identifies up to a 30x upgrade in vanadium units.
 - Engineering tenders have been extended to deliver a Definitive Feasibility Study for the proposed Abenab project crushing and concentrator plant.
 - Meetings have been held with Chinese vanadium refiners with many expressing an interest in refining the concentrate to recover the vanadium, lead and zinc.
 - Broad areas of surface mineralised material identified around the historic Abenab open pit.
 - Shallow RC drilling intersects vanadium mineralisation in the south wall of the open pit.
 - Five hole resource definition drill program completed and resource update underway.
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Golden Deeps Limited ("Golden Deeps" and "Company") is pleased to provide the following report on the positive progress the Company has made during the quarter on the development of the Abenab vanadium project.

Abenab Project Development

Golden Deeps – GMC Joint Venture

The Golden Deeps/Generous Metals Company Limited (GMC) Joint Venture (JV) continues to develop, and during the quarter the trial phase of operations was initiated. This involved sampling and delivering a bulk sample of ore, tailings and willemite to China for concentrating and downstream refinery testing. The material was loaded in September and is expected to arrive in China in the middle of November. Results from this work are to be shared with all JV participants.

Metallurgical Testing

Mintek, of South Africa, completed the detailed metallurgical test program on the surface ore materials. This work involved the optimisation of the crushing and concentrator process flowsheet and preparation of a bulk concentrate sample for testing downstream with off takers and 3rd party refineries.

Metallurgical testing of the above ground materials confirms that a crushing plant capable of a sub-1mm particle, supported by a water based gravity separation process is suitable. This produced a concentrate with a 30 times upgrade on vanadium units, delivering a grade of 8.9 % V₂O₅, 30.5% Pb and 8.95% Zn¹. Further analysis has

¹ Refer to GED:ASX announcement dated 22 August 2019 and titled 'Path to Production – 30x Increase Vanadium Concentrate Grade'. The Company is not aware of any new information or data that materially effects the information included in this announcement.

identified that improvements in recovery may also be possible through introduction of recycle streams and less stages of separation. Proving the ability to concentrate the above ground material has the potential to add to the pre-mined material which can be utilised during the first 12 months of operation, facilitating a quicker plant start-up whilst the wider mine area is being developed. A final report has been circulated for comment.

Vanadium refining

Many options are available for downstream processing of the concentrate including in situ refining, toll treating through third parties and direct selling of the concentrate. Due to the minerology and high grade of concentrate achieved, indications are that a chemical based process can be employed as an alternative to the traditional salt roast and water leach method, extracting higher value from the resource at a lower capital and operating cost. To facilitate this, a bulk sample of concentrate from the current test program is being prepared for testing by prospective downstream refiners and customers.

To advance this work, meetings have been held with a number of vanadium refineries in relation to third party refining of the high-grade concentrate. Two key parties with whom discussions have been held continue to express their interest as potential offtakers, and believe that they are able to process the vanadium and also extract value from available lead and zinc credits. Further test work on the vanadium concentrate is planned, following completion of the gravity concentrator test work, on a bulk sample from Abenab. This is being conducted by Mintek in South Africa.

Resource Definition and Exploration Programs

In August 2019, the Company completed a Reverse Circulation (RC) and diamond drilling program at the Abenab mine (Figure 1). The drilling program was completed in three parts, being a Surface Mineralised Material Program, a Mine Development Evaluation Program and a Resource Definition Program. Assay results from all three programs are now available.

The **Surface Mineralised Material Program** targeted surface stockpiles, backfill and tails around the historic open pit and plant. Broad areas of mineralised material were identified primarily to the north and northeast of the open pit. The material is 1-2m thick and is interpreted to be stockpiled broken rock and tails from the historic mining operations. Results include:

ABRC023 2m @ 1.42% V₂O₅, 3.33% Pb, 1.15% Zn from surface²

ABRC025 3m @ 0.5% V₂O₅, 1.31% Pb, 1.06% Zn from surface²

The newly identified areas of surface mineralised material could add to the previously reported rock stockpiles and tails that form part of the JV with Generous Metals Company Ltd.

The Company plans to immediately conduct additional sampling to delineate the extent of the surface mineralised material and tails.

²Refer to GED:ASX announcement dated 5 September 2019 and titled 'Shallow Drilling Extends Surface Mineralised Material'. The Company is not aware of any new information or data that materially effects the information included in this announcement.

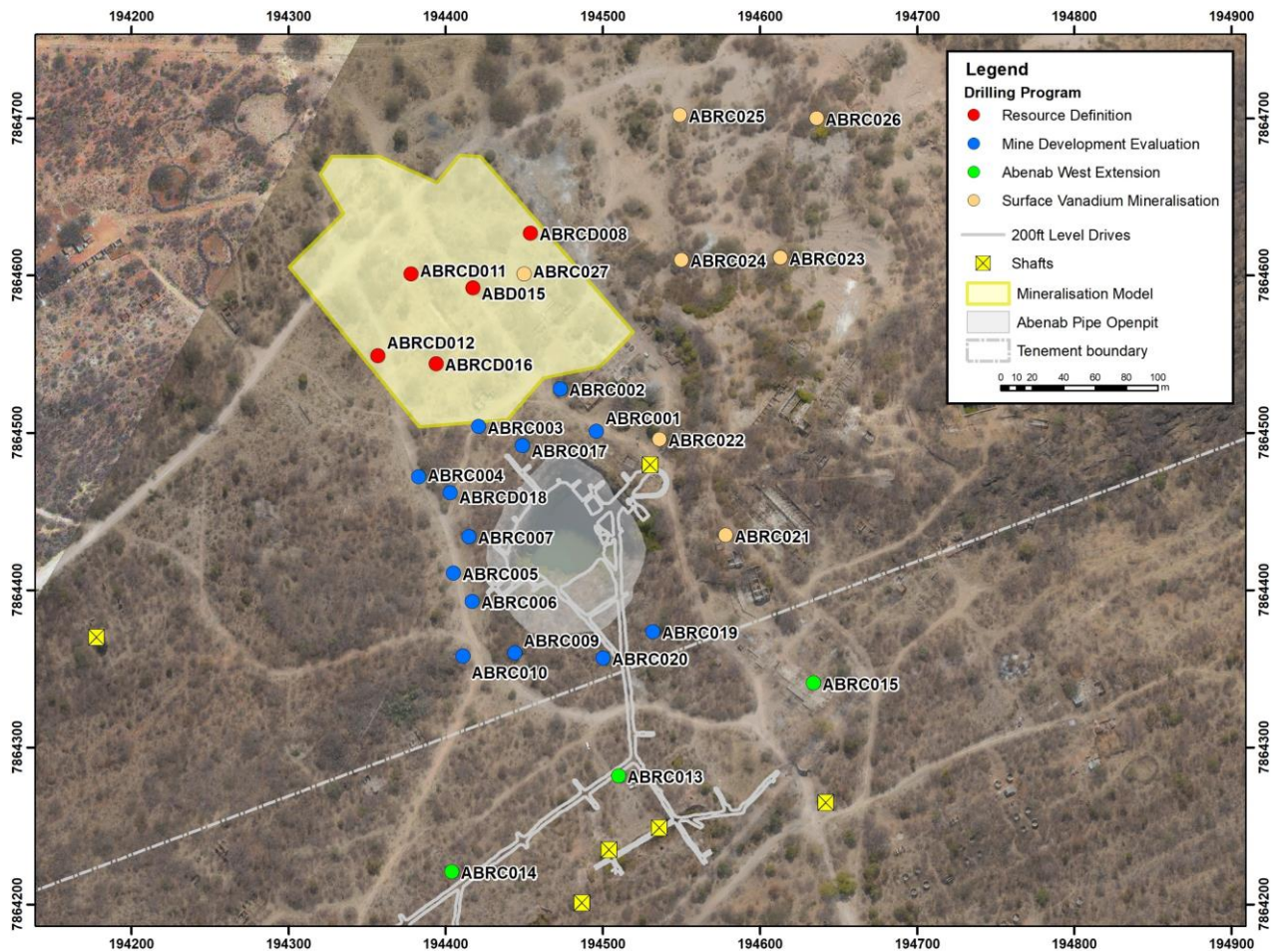


Figure 1: Abenab Project - Drill hole locations.

The **Mine Development Evaluation Program** targeted shallow bedrock vanadium mineralisation around the historic Abenab open pit (blue holes in Figure 1). Thirteen RC holes were drilled in July to test targets along strike from the current resource and between the current resource and the open pit. No previous drilling had been conducted around the pit because historic exploration was conducted via underground drives extending off a shaft on the edge of the pit.

Holes ABRC019 and ABRC020 were drilled at the southern end of the pit into the up dip extension of the Abenab breccia pipe that dips to the northwest. The breccia pipe straddles the Abenab fault at the contact between a laminated limestone and a massive grey dolomite.

Hole ABRC019 intersected seven intervals in the footwall limestone that are in excess of the resource cut-off grade of 0.2% V_2O_5 . The best intersections are:

2m @ 1.76% V_2O_5 , 4.38% Pb, 1.42% Zn from 8m³
 2m @ 1.8% V_2O_5 , 5.07% Pb, 2.53% Zn from 64m²

Hole ABRC020 intersected six intervals in the footwall limestone that are in excess of the resource cut-off grade of 0.2% V_2O_5 (Figure 2). The best intersections are:

³ Refer to GED:ASX announcement dated 9 September 2019 and titled 'Drilling Intersects Previously Unidentified Extension'. The Company is not aware of any new information or data that materially effects the information included in this announcement.

6m @ 0.63% V₂O₅, 1.53% Pb, 0.58% Zn from 48m²
 3m @ 0.92% V₂O₅, 2.7% Pb, 0.44% Zn from 77m²
 includes 1m @ 1.81% V₂O₅, 4.61% Pb, 3.62% Zn from 79m

ABRC020 ended in mineralisation with a 1m intersection of 1m at 1.81% V₂O₅. Including zones of internal waste greater than 1m the 38m interval from 42m to 80m averages 0.31% V₂O₅.

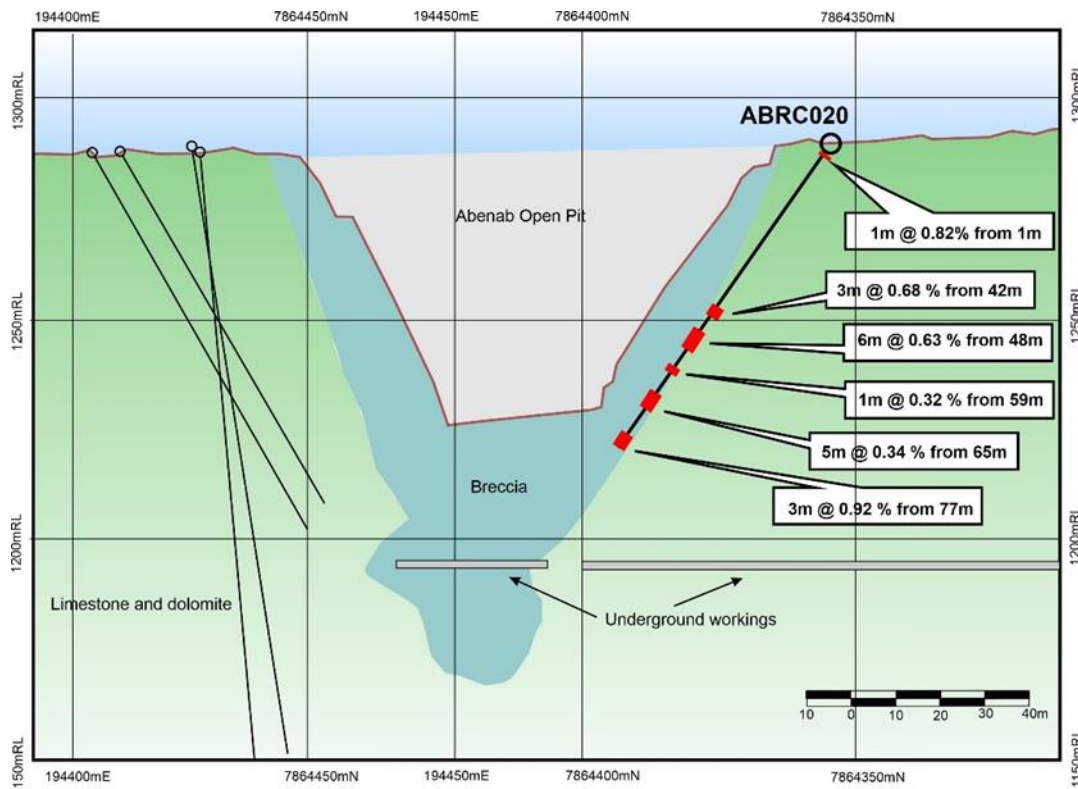


Figure 2: Mine Development Evaluation. Cross section showing vanadium mineralisation in RC hole ABRC020

The Company plans to conduct further RC drilling at the south end of the Abenab open pit to follow up vanadium mineralisation intersected in holes ABRC019 and ABRC020. Approximately 10 holes are planned, with the intention being that these will form the basis of a new Inferred JORC 2012 resource estimate for the Abenab project, as well as a pit cutback.

The **Resource Definition Program** was designed to in-fill and extend the existing Abenab resource. A five hole diamond drilling program was completed at Abenab in July 2019 (red holes in Figure 1) and all assay results are now available for holes ABRC008 ABRC011-12, ABRC016 and ABD015. The results have confirmed the existing resource model and have the potential to increase the resource in some locations.

Hole ABRC011 intersected multiple zones of brecciated dolomite and limestone with calcite fracture fill containing descloizite. Best intersections are as follows:

23m @ 1.34% V₂O₅, 3.33% Pb, 1.25% Zn from 167m⁴
 (includes 1m @ 7.84% V₂O₅, 19.0% Pb, 6.52% Zn from 186m)

⁴ Refer to GED:ASX announcement dated 17 September 2019 and titled '7.8% V₂O₅ Intersected At Abenab Project'. The Company is not aware of any new information or data that materially effects the information included in this announcement.

16m @ 0.56% V₂O₅, 1.30% Pb, 0.53% Zn from 274m³
 15m @ 0.29% V₂O₅, 0.65% Pb, 0.32% Zn from 292m³

In total, the hole intersected over 80m of V₂O₅ mineralisation above the cut-off grade of 0.2%. A 1m interval in ABRC011 from 186m-187m is an exceptionally high grade of 7.84% V₂O₅, 19.0% Pb and 6.52% Zn. This is the highest grade result from the Company's drilling program reported thus far.

The vanadium mineralisation at Abenab occurs as descloizite (Pb,Zn(VO₄)(OH)), a lead-zinc vanadate, that forms veneers on clasts within breccia (Figure 3). Breccias are best developed in an approximately cylindrical shaped pipe that plunges to the northwest but within the pipe, breccia has preferentially developed along bedding planes.

The five new resource definition diamond holes drilled by the Company will be used to revise the geological model and generate a new resource estimate.



Figure 3: Dolomite breccia with vanadium pentoxide mineralisation in diamond hole at 241m in ABD015

Tenement Status

A renewal application has been lodged with the Namibian Ministry of Mines and Energy for EPL 5496 that expired on 6 April 2019. A renewal application has also been lodged for EPL 3543 which expired on 11 September 2019. Both renewals are currently pending and are expected to be granted soon, following a high level of activity at the Abenab and Abenab West mines.

Renewals of EPL 5232, EPL 5233 and EPL 5234 were granted by the Namibian Ministry of Mines and Energy on 8 August 2019 for a period of three years. The Company did not renew EPL 5509 and EPL 5510 because preliminary exploration indicated that the tenements had low prospectivity.

Corporate

The Company raised a gross amount of \$1,075,000 through the placement of 41,346,155 fully paid ordinary shares at \$0.026 per share. The funds raised will be used for the advancement of the Company's Abenab vanadium project including advancing a feasibility study, ongoing exploration and pre-production costs, and general working capital.

In conjunction with the placement, Golden Deepes' Chairman Michael Minosora has advised the Company that he has committed to purchasing \$75,000 worth of shares at the same price as the placement. This is subject to receiving shareholder approval, which will be sought at the Company's Annual General Meeting to be held in November 2019.

The Company is pleased to advise that it has engaged the services of NWR Communications Pty Ltd to assist with investor relation services.

For further information, please refer to the Company's website or contact:

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Caution Regarding Forward-Looking Information

This document contains forward-looking statements concerning Golden Deeps Ltd. Forward-looking statements are not statements of historical fact and actual events and results may differ materially from those described in the forward-looking statements as a result of a variety of risks, uncertainties and other factors. Forward-looking statements are inherently subject to business, economic, competitive, political and social uncertainties and contingencies. Many factors could cause the Company's actual results to differ materially from those expressed or implied in any forward-looking information provided by the Company, or on behalf of, the Company. Such factors include, among other things, risks relating to additional funding requirements, metal prices, exploration, development and operating risks, competition, production risks, regulatory restrictions, including environmental regulation and liability and potential title disputes.

Forward-looking statements in this document are based on the Company's beliefs, opinions and estimates of Golden Deeps Ltd as of the dates the forward-looking statements are made, and no obligation is assumed to update forward looking statements if these beliefs, opinions and estimates should change or to reflect other future developments.

Competent Person Statement

The information in this announcement that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr. Martin Bennett. Mr Bennett is a consultant to Golden Deeps Limited and is a member of the Australian Institute of Geoscientists. Mr Bennett 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 Bennett consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.

APPENDIX I – Schedule of Tenements Namibia

Country	State/Region	Project	Tenement ID	Area km ²	Grant Date	Expiry Date	Interest
Namibia	Otjozondjupa	Grootfontein Base Metals	EPL 3543	89	12/09/2006	11/09/2019	80%
			EPL 5496	13	07/04/2016	06/04/2019	80%
			EPL 5232	260	08/08/2019	07/08/2020	80%
			EPL 5233	63	08/08/2019	07/08/2020	80%
			EPL 5234	8.4	08/08/2019	07/08/2020	80%

APPENDIX II – Schedule of Tenements Canada

Country	State/Region	Project	Claim No.	Claim Type	Area ha	Expiry Date	Interest*
Canada	Ontario	Professor	T25837	Lease	7.89	31-Jul-22	70%
			T25838	Lease	7.89	31-Jul-22	70%
			T27896	Lease	6.92	31-Aug-22	70%
			T27897	Lease	7.33	31-Aug-22	70%
			T43067	Lease	11.03	30-Apr-23	70%
			A100	Patent	6.83	-	70%
			A96	Patent	7.89	-	70%
			A99	Patent	7.85	-	70%
			C1376	Patent	9.38	-	70%
			C1383	Patent	8.41	-	70%
			C1384	Patent	7.68	-	70%
			C976	Patent	7.56	-	70%
			T19481	Patent	8.03	-	70%
			T19492	Patent	8.86	-	70%

Country	State/Region	Project	Claim No.	Claim Type	Expiry Date	Interest*
Canada	Ontario	Waldman	123450	Boundary Cell Mining Claim	30-Oct-19	70%
			155118	Single Cell Mining Claim	30-Oct-19	70%
			199634	Single Cell Mining Claim	30-Oct-19	70%
			236092	Boundary Cell Mining Claim	30-Oct-19	70%
			236093	Single Cell Mining Claim	30-Oct-19	70%
			283242	Single Cell Mining Claim	30-Oct-19	70%
			290776	Boundary Cell Mining Claim	30-Oct-19	70%
			320124	Single Cell Mining Claim	30-Oct-19	70%
			324858	Single Cell Mining Claim	30-Oct-19	70%
			189303	Boundary Cell Mining Claim	15-Dec-19	70%
			321848	Boundary Cell Mining Claim	15-Dec-19	70%
			296687	Boundary Cell Mining Claim	24-Feb-20	70%
			156804	Single Cell Mining Claim	4-May-20	70%
			174898	Boundary Cell Mining Claim	4-May-20	70%
			203776	Single Cell Mining Claim	4-May-20	70%
			227355	Boundary Cell Mining Claim	10-May-20	70%
			306085	Single Cell Mining Claim	10-May-20	70%
			203057	Single Cell Mining Claim	22-Jun-20	70%
			275742	Single Cell Mining Claim	22-Jun-20	70%

*Subject to transfer of title to Cobalt Resources Inc., a 100% owned subsidiary of Golden Deeps Ltd.