

# PORT NOLLOTH DIAMOND MINE

BY SADACCONSULTING (PTY) LTD.

## INVESTORS PRESENTATION



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# **1. Mining Background**

# **1.1 Port Nolloth Reserve Concession**

- The locality of the Alexkor Port Nolloth Reserve (Port Nolloth Reserve and Port Nolloth Commonage) land concession area is indicated on Figure 1 (summary map of Alexkor land concessions) of the attached document. (Page 3 of Summary Report)
- The concession covers a total surface area of approximately 155 770 710m<sup>2</sup> and the geology of the area consists mainly of dune sand (depending on where on the concession you are), followed by calcrete (hardpan, lithified and/calcification), grit

- and/or gritty sand, gravel in some areas underlain generally by a competent quartzite or fragile schist bedrock.
- Considerable exploration has been done in the area comprising mostly of historic drilling and trenching and more recent (2016 – 2018) Reverse Circulation (RC) drilling. The extent of this work is summarized in Figure 2. (Page 6 of Summary Report)
- Drilling and subsequent trenching indicated the presence of marine gravels in some areas with basal gravel thicknesses ranging between 0.1 m to 19 m with an average basal gravel thickness of approximately 2.4 m.

- Drill-hole depth varies within the concession between 0.1 m – 51 m with an average drill-hole depth of approximately 8 m.
- Total basal gravel overburden thickness ranges between 0.4 m– 44 m with an average thickness of approximately 7.8 m.
- Historic trenches in figure 2 and bulk sampling in figure 10 (Page 15 of Summary Report) do, where available, give an indication of the grade and stone size of the specific area sampled.
- The results can be used, with caution, and in conjunction with other information like the presence of basal gravel, the type of bedrock and its

- propensity to exhibit diamond trap sites to estimate possible diamond grade.
- The area was extensively trenched from the 80's to the 90's (Figure 2-7) and the trench results will be presented in the Summary Report. The data represented was not verified and validated thus meaning that the grades calculated could be skewed, but the data can be still be used to give an indication of the potential stone size.

- **Figure 2** - Page 6 of the Summary Report
- **Figure 3** - Page 8 of the Summary Report
- **Figure 4** - Page 9 of the Summary Report
- **Figure 5** - Page 9 of the Summary Report
- **Figure 6** - Page 10 of the Summary Report
- **Figure 7** - Page 11 of the Summary Report



## 1.2 Muisvlak Concession

- The locality of the Alexkor Muisvlak land concession area is indicated on Figure 1 (Summary Map of Alexkor land concessions).
- The concession covers a total surface area of approximately 49 039 008 m<sup>2</sup> and the geology of the area consists mainly of sand, followed by calcrete, grit and/or gritty sand, gravel (note that in some areas the gravel is calcified) underlain generally by a competent quartzite or fragile schist bedrock, some areas have dolerite dykes intrusions.

- Comprehensive exploration has been done in the area comprising mostly of historic drilling and trenching and more recent (2016 – 2018) Reverse Circulation (RC) drilling. The extent of this work is summarized in Figure 9. (Page 13 of the Summary Report)
- Drilling and subsequent trenching indicated the presence of marine gravels in some areas with basal gravel thicknesses ranging between 0.1 m to 8 m with an average basal gravel thickness of approximately 0.8 m.
- Drill hole depth varies within the concession between 0.1 m – 38 m with an average drill hole depth of approximately 7.5 m.

- Total basal gravel overburden thickness ranges between 0.1 m– 31 m with an average thickness of approximately 7 m.
- Historic trenches Figure 9 and bulk sampling and Figure 11 do, where available, give an indication of the grade and stone size of the specific area sampled.
- The results can be used, with caution, and in conjunction with other information like the presence of basal gravel, the type of bedrock and its propensity to exhibit diamond trap sites to estimate possible diamond grade Figure 10, in addition to providing information relating to the position and scale of trenching and mining also indicates the

- areas that are currently already registered to other contractors and therefore are not currently available. Included is the position of the blocks that have a signed off resource grade, average stone size, average stone size.
- Figure 9: Drilling and Trenching for Muisvlak Concession (Page 13 of the Summary Report)
- Figure 10: Mined Out and areas of interest for Muisvlak Concession  
(Page 15 of the Summary Report)

## 2. Location

It is located in the Alexkor Port Nolloth Reserve (south-east of Port Nolloth) and Port Nolloth Commonage, on the West Coast of the Northern Cape Province.

The **Alexkor Port Nolloth Reserve** concession covers a total surface area of approximately **155 770 710m<sup>2</sup>** and the geology of the area consists mainly of dune sand (depending on where on the concession you are), followed by calcrete (hardpan, lithified and/calcification), grit and/or gritty sand, gravel in some areas underlain generally by a competent quartzite or fragile schist bedrock.

The locality of the **Alexkor Muisvlak** land concession area is indicated on Figure 1 (Summary Map of Alexkor land concessions). The concession covers a total surface area of approximately **49 039 008 m<sup>2</sup>** and the geology of the area consists mainly of sand, followed by calcrete, grit and/or gritty sand, gravel (note that in some areas the gravel is calcified) underlain generally by a competent quartzite or fragile schist bedrock, some areas have dolerite dykes intrusions.

## 2.1. Mining Area - 204 809 718m<sup>2</sup>

- **PLEASE SEE ATTACHED -**
- ***FEASIBILITY STUDY/ SUMMARY REPORT -***
- ***PAGE 3, FIGURE 1 - LOCATION OF CONCESSIONS***

### **3. Legal Aspects**

Beyond standard rights SADAC has the following privileges:

- ☐ SADAC has access to all mining procedures and evaluation of the mining products.
- ☐ Access to monthly profits and monthly payouts.

## 3.1 Legal Aspects status

Types of Licence	Ref: Number	Status	Date Granted	Expiring Date
Mining Rights		Active		

**PLEASE NOTE:** *The Concession, doesn't require any other licence except that of the MP.*



## 4. Feasibility Study

- ***PLEASE SEE ATTACHED DOCUMENT -***
- ***PORT NOLLOTH RESERVE AND MUISVLAK  
CONCESSION SUMMARY REPORT***

## 5. Mining Rights

- ***PLEASE SEE ATTACHED DOCUMENT -***
- ***PORT NOLLOTH RESERVE AND MUISVLAK CONCESSION SUMMARY REPORT -***
- *Port Nolloh Reserve Concession - Page 5,6*
- *Muisvlak Concession - Page 12,13*

## 6. Environmental Management Plan

- ***PLEASE SEE ATTACHED DOCUMENT -***
- ***PORT NOLLOTH RESERVE AND MUISVLAK CONCESSION SUMMARY REPORT -***
- ***Figures 1 - 12:***
- ***Pages 3, 6, 8, 9, 10, 11, 13, 15, 16.***

## 7. Infrastructure

- ***PLEASE SEE ATTACHED DOCUMENT -***
- ***PORT NOLLOTH RESERVE AND MUISVLAK CONCESSION SUMMARY REPORT -***
- Infrastructure as per Alexkor regulations and requirements.

## 8. Current Historical Plant Production

- ***PLEASE SEE ATTACHED DOCUMENT -***
- *PORT NOLLOTH RESERVE AND MUISVLAK CONCESSION SUMMARY REPORT -*
- *Port Nolloh Reserve Concession - Tables 1, 2*
- *Muisvlak Concession - Tables 5, 6*

## 8.1.Alluvial(Gravel) , Mine Dumps and Quartz.

- ***PLEASE SEE ATTACHED DOCUMENT -***
- *PORT NOLLOTH RESERVE AND MUISVLAK CONCESSION SUMMARY REPORT -*
- *Port Nolloh Reserve Concession - Tables 1, 2, 4*
- *Muisvlak Concession - Tables 5, 6, 8, 9, 10, 11*

## 8.2. Evaluation of Resources

- ***PLEASE SEE ATTACHED DOCUMENT -***
- ***PORT NOLLOTH RESERVE AND MUISVLAK CONCESSION SUMMARY REPORT -***
- ***Port Nolloh Reserve Concession - Table 3***
- ***Muisvlak Concession - Table 7***

## 9. Financial Summary

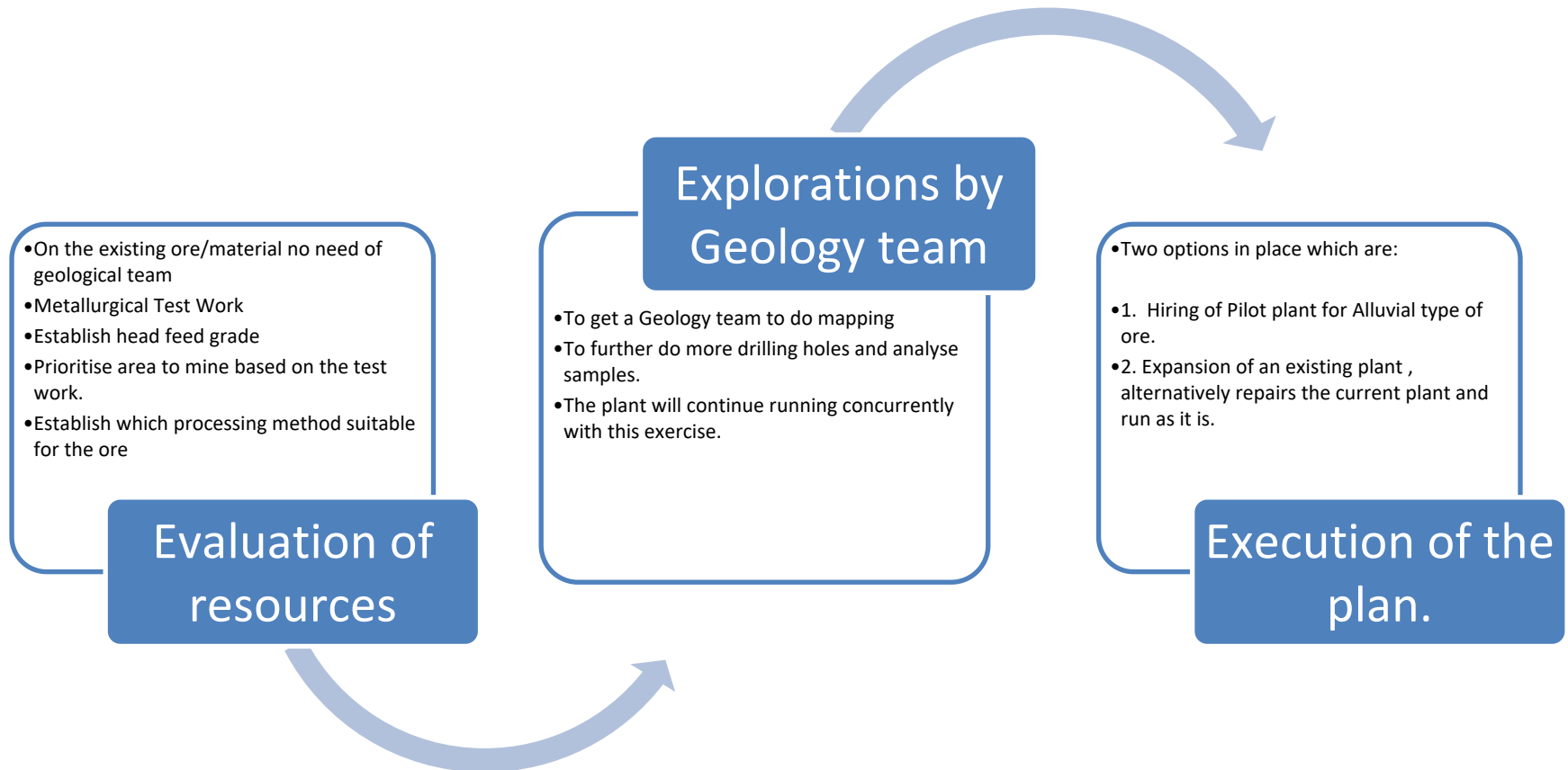
***PLEASE SEE ATTACHED DOCUMENT -***

***- PORT NOLLOTH RESERVE AND MUISVLAK CONCESSION SUMMARY  
REPORT***

***- FINANCIAL PROJECTIONS (MINIMUM AMOUNT WAS APPLIED)***



# 10. 2020/2021 Plan



## **11. Conclusion**

- The Plant is in Operation.
- There is an option to hire/purchase Mobile Diamond Wash-Plant.
- Experienced staff or Labour is available.
- Security system is in place.