

NOTIFICATION OF MINING ACTIVITIES

REHABILITATION, DECOMMISSIONING AND MINE CLOSURE PLAN & ENVIRONMENTAL RISK ASSESSMENT: MINING RIGHT (GRANITE), CORE AREA 2. PORTIONS OF PORTION 1 AND 4 FARM NOUS WEST 76, PORTION OF REMAINDER OF FARM LOWER ZWART MODDER 79, NORTHERN CAPE PROVINCE.

Applicant: **Sizisa Ukhanyo Trading 830 CC** (2006/111450/23)

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Overall operation

The Bushmanland Granite Core Mining Area 2 (Figure 1) is situated on Portions of Portion 1 and Portion 4 of the Farm Nous West 76 and a Portion the Remainder of the Farm Lower Zwart Modder 79 (Figure 2).

The mining operation will include all the previous mining operations carried out under cover of the following permits or prospecting rights:

- Mining permit MP 013/2014 File reference NC30/5/1/3/2/10232MP issued to **Million Rise Trading (Pty) Ltd** over 5Ha portion of Portion 4 of the Farm Nous West 76;
- Mining permit MP 022/2013 File reference NC30/5/1/3/2/10104MP issued to **Sizisa Ukhanyo Trading 830 CC** over 5Ha portion of Portion 4 of the Farm Nous West 76;
- Prospecting right MP/TRO 29/2015 File reference NC30/5/1/3/2/10610PR issued to **Sizisa Ukhanyo Trading 830 CC** over the Remainder Farm Lower Zwart Modder 79 and a portion of Portion 1 of the Farm Nous West 76;
- Prospecting right MP/TRO 187/2008 File reference NC30/5/1/3/2/10865PR issued to **The Business Zone 1604 CC** over Portion 4 of the Farm Nous West 76 .

The area is situated of the N14 main road 80Km east of Pofadder and 92Km west of Kakamas with an approximate locality Latitude S28.66199° and Longitude E19.75428° (Diagram 1 & 2). The operations are situated in the Namakwa District Municipality and Khai-Ma local authority of the Kenhardt administrative district of the Northern Cape.

Portion 4 of the Farm Nous West No 76 is registered in the name of the Nelsrust Trust by virtue of deed T64629/1997.

Portion 1 of the Farm Nous West No 76 is registered in the name of Pieta & Fanie Boerdery cc by virtue of deed T65170/2007.

Remainder of the Farm Lower Zwart Modder 79 is registered in the name of W.K. Claassens by virtue of deed T9592/1982.

Construction phase

The company has a lease agreement with the landowner of one of the nearby farms where all logistical facilities like workshops and secure storage as well as accommodation is provided and as part of this operation, only satellite logistics are provided.

The logistics available on the nearby farm of the company were developed as part of farm improvements and will not form part of decommissioning in terms of section 44(c) of the MPRDA. Maintenance and management however form part of an environmental authorization and all legal requirements with regard to mine health and safety as well as pollution control measures must be adhered to. The facilities at the company headquarters are listed below and waste management are covered by a separate final rehabilitation, decommissioning and closure plan.

- Living quarters and personnel amenities;
- Workshop with Eskom power supply;
- Service and wash bay with pollution control measures;
- Secure storage area and central supply stores;
- Bunded fuel supply with service apron and fuel spill control measures;
- Bio cell for bioremediation of any potential petrochemical pollution;
- Laydown area for equipment and machinery not in use together with spares and accessories;
- Salvage yard for redundant equipment and steel prior to sale to a scrap dealer;
- Temporary waste storage area for hazardous and other waste;
- Parking area (truck stop) for hauling trucks of transport service providers;
- Centralised dispatch yard.

The satellite infrastructure areas will consist mainly of mobile containers and temporary logistical facilities and no permanent infrastructure will be developed and only existing farm tracks will be used. Upgrading of the existing tracks will be done as part of the construction phase and maintenance as part of the operational phase.

Operational phase

Granite mining is dependent on market demand for specific colours that can change within relative short period of time. Different quarries each with a specific colour therefore needs to be available although not all of them will be active on the same time depending on the current market trend.

The mining method would be the same for all quarries and consists of:

- The establishment of a flat floor through the use of diamond wire saws;
- The flat floor is then fitted with parallel rails which serve the rotary saws which cut blocks from the ore body with less waste than other systems. The saws have a diameter of 3-4m and for purposes of planning are deemed to have a cutting depth of 1.7m;
- The bottom of the blocks is separated by small diameter plug and feather technique;
- The raw cut block is lifted out of the hole and placed for transport by block carrying front end loader to the dressing area;
- At the dressing area, the block is neaten up through removal of any protuberances and the 1st grade blocks are then transported to the dispatch yard and the 2nd grade blocks to a separate stockpile area;
- Waste blocks and offcuts are transport by block carrying front end loader to the waste rock dump. Excavators are used to keep the top of the waste dump level to promote traffic ability.

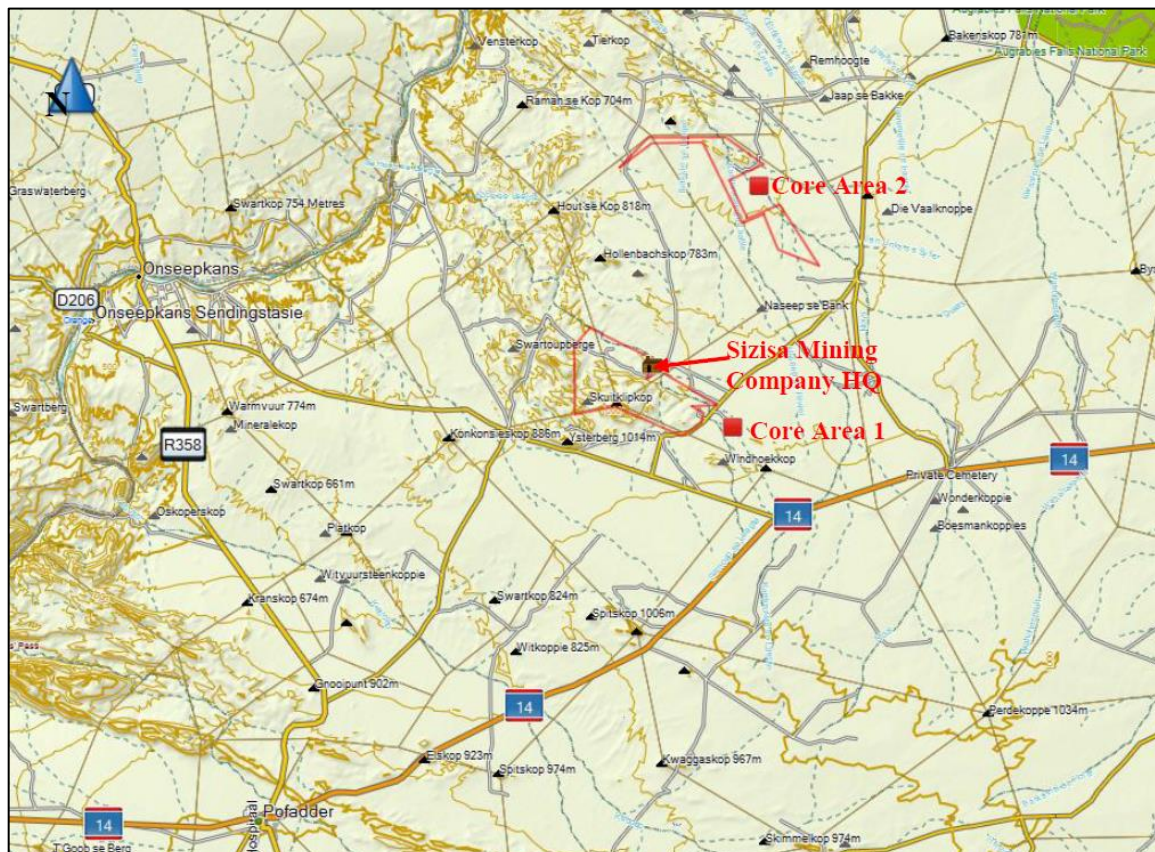


Figure 1: Core areas 1 and 2 in regional context

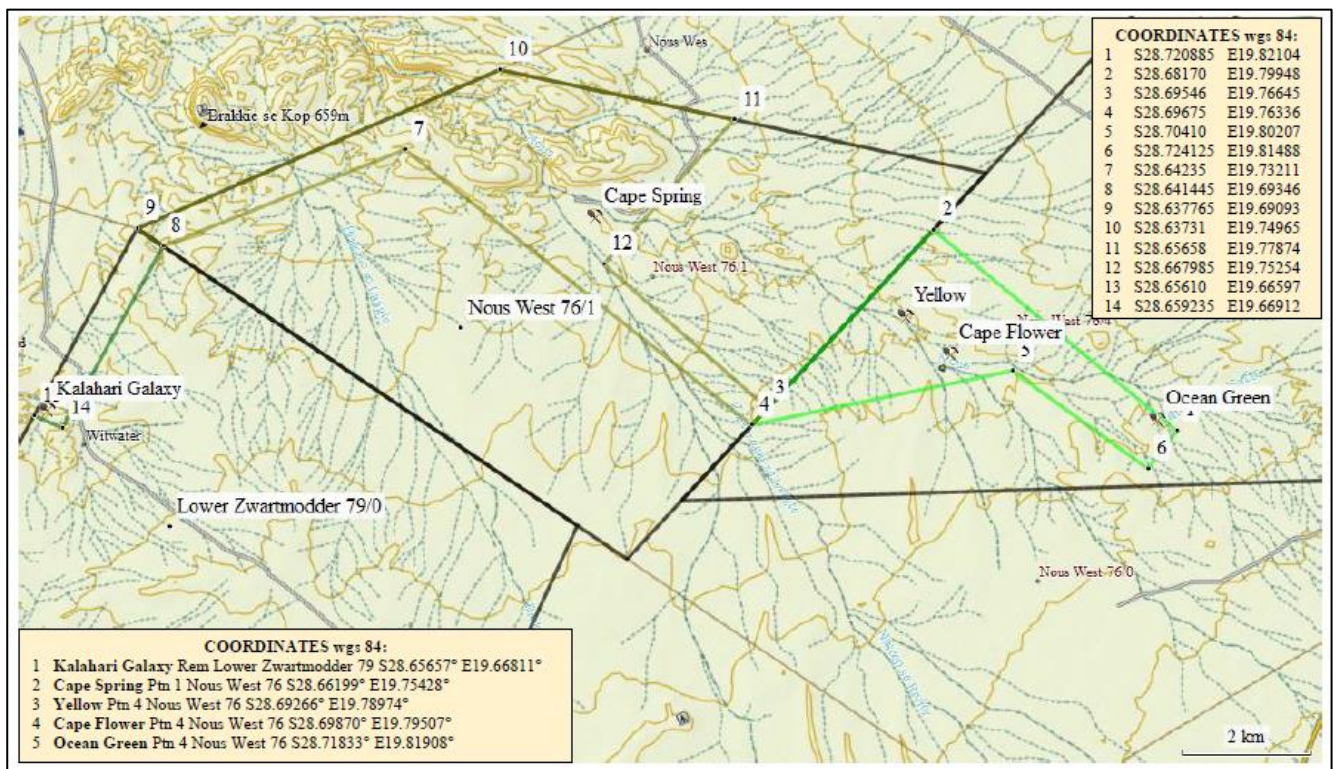
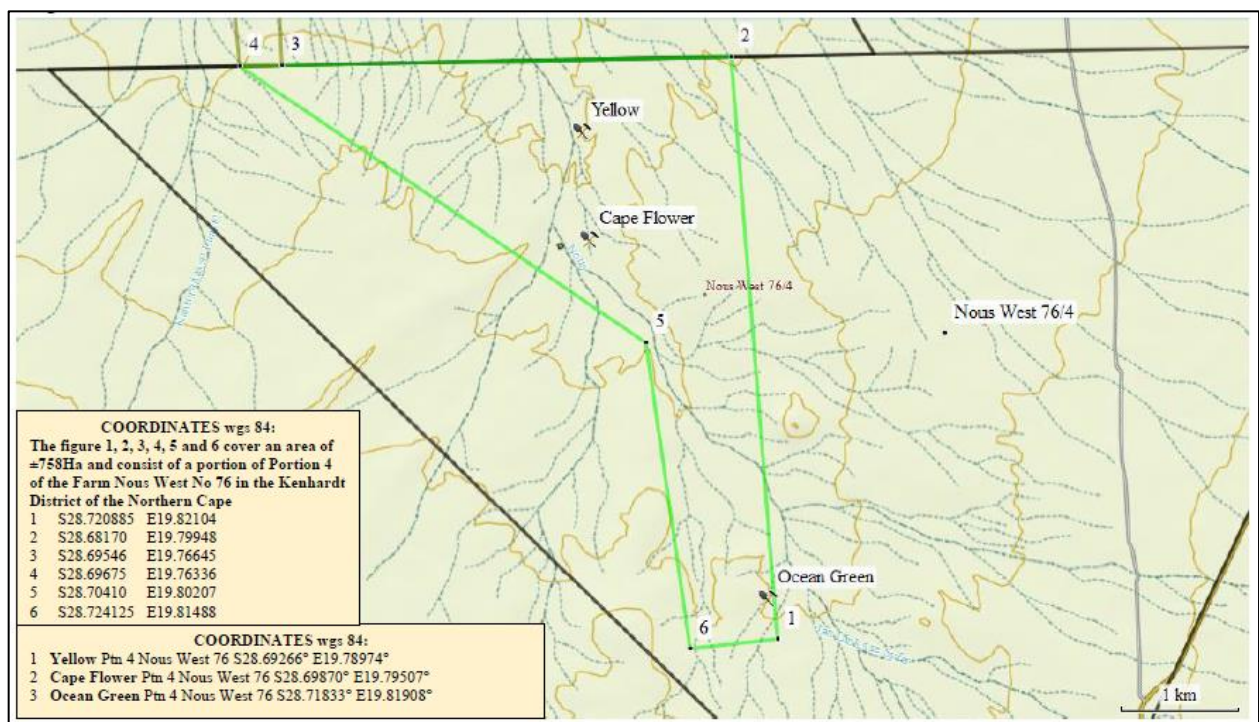
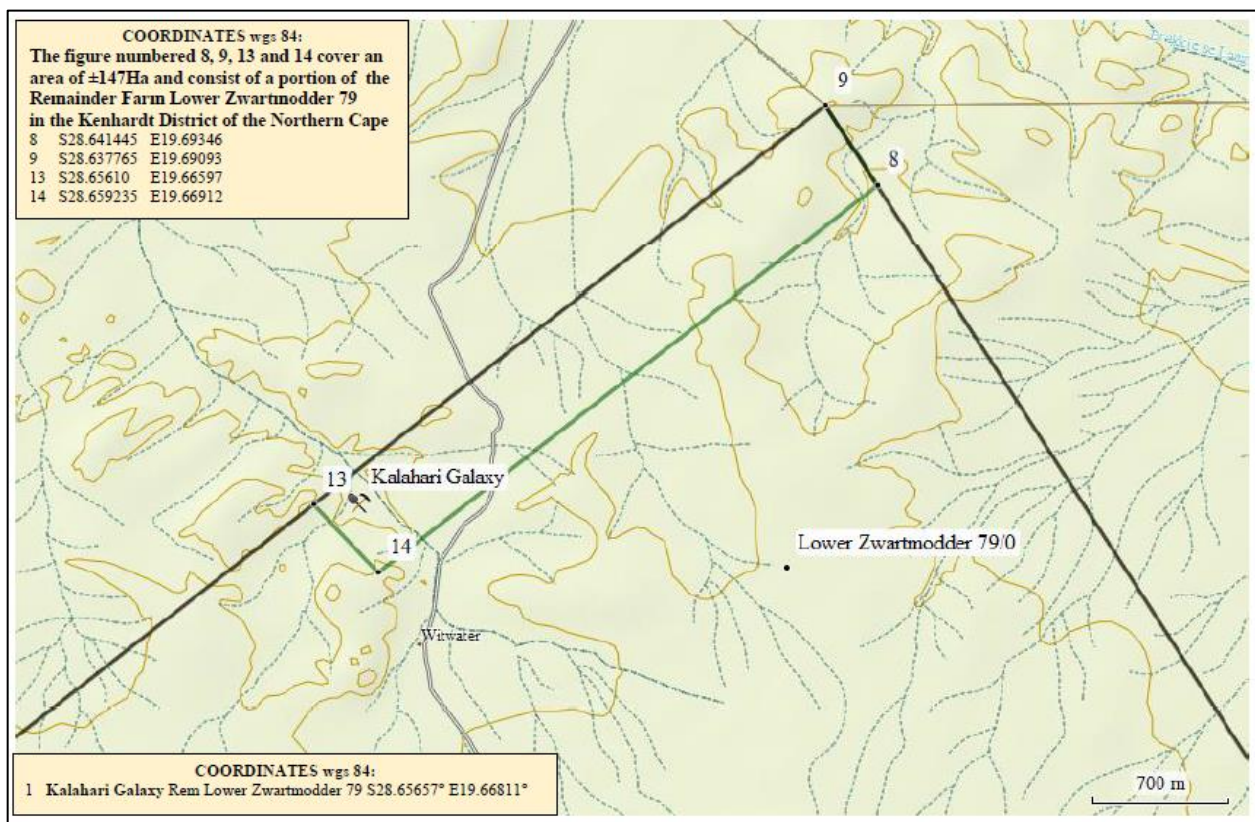
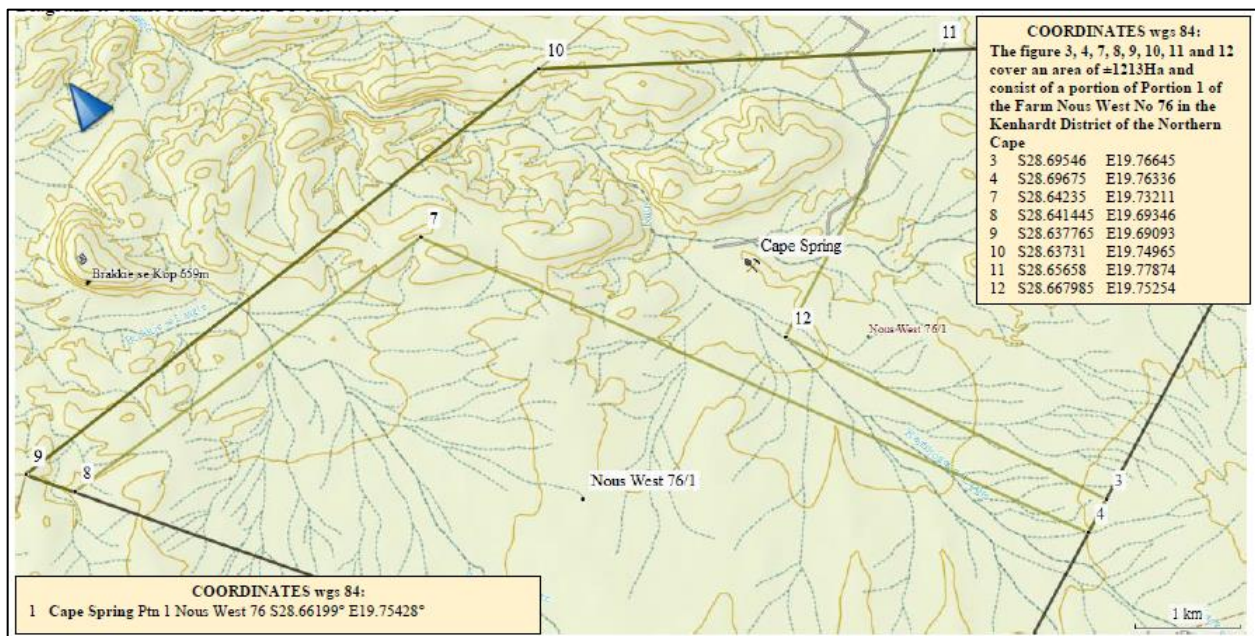


Figure 2: Granite quarry locations





Quarry Name	Condition	Size (Ha)
Kalahari Galaxy	new	~2.1
Cape Spring	new	~26.9
Ivory (1)?	new	~57.5
Yellow	existing quarry and new	~19.3
Cape Flower?	existing quarry	?
Ocean Green	new	~41.5