



## Field Trip 6

### Ocean Gems – *The Namibian Megaplacer*

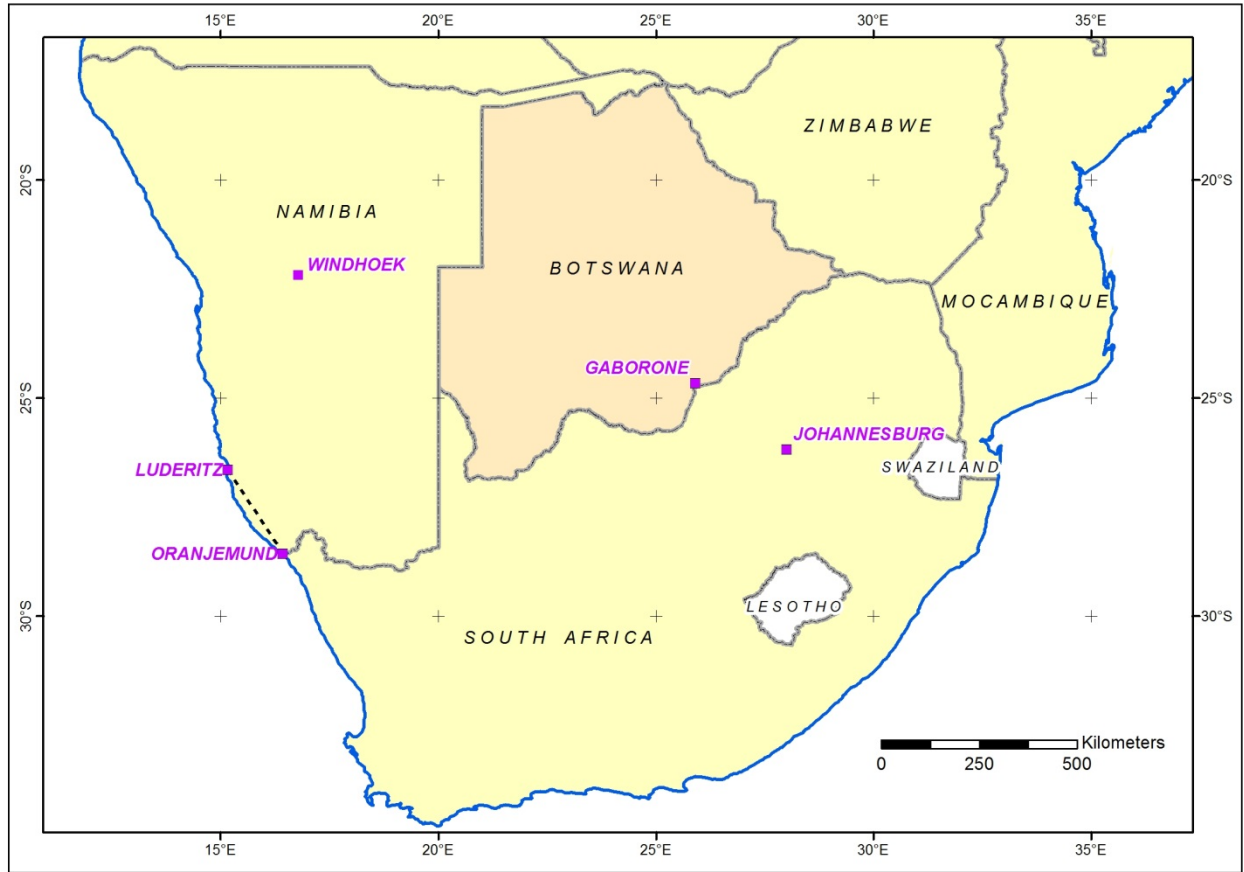
Pre-Conference Only

Leader: Jurgan Jacob, Mineral Resource Manager, Namdeb  
Diamond Corporation

#### VERY IMPORTANT

- **ESSENTIAL REQUIREMENT FOR ENTRY TO MINING AREAS: EACH DELEGATE MUST HAVE AND SUPPLY UPON REQUEST BY THE MINE A POLICE CLEARANCE CERTIFICATE FROM THE PARTICIPANT'S COUNTRY OF RESIDENCE WRITTEN IN ENGLISH, AND LESS THAN ONE (1) YEAR OLD.**
- **Delegates flying in must ensure they arrive in Windhoek in time to catch the Luderitz flight on Monday 11<sup>th</sup> September 2017.**
- **Delegates are reminded that the field trip ends in Oranjemund on Friday 15<sup>th</sup> September 2017 and that onward flights must be booked out from Oranjemund to Windhoek and onwards to Gaborone.**
- **All flight travel bookings to Lüderitz and from Oranjemund and visa formalities are for own arrangement and account.**
- **Delegates must provide their own PPE as outlined on the field trip overview page of [www.11IKC.com](http://www.11IKC.com)**

**WARNING: There is alcohol testing on all mines to be visited. If you fail the breathalyzer test you will be left outside the mine.**





## **FIELD TRIP 6 - PRE-CONFERENCE ITINERARY**

Dates: Monday 11<sup>th</sup> September to Friday 15<sup>th</sup> September 2017

### **Monday 11<sup>th</sup> September 2017**

- Arrive in Luderitz on the single flight from Windhoek, Namibia
- pm – Briefing by Jurgen Jacob – Mineral Resource Manager, Namdeb
- pm – Visit Elizabeth Bay deposits
- Accommodation with dinner at the Nest Hotel, Luderitz

### **Tuesday 12<sup>th</sup> September 2017**

- Drive down the Sperrgebiet visiting the Bogenfels area and the aeolian deposits
- Accommodation with dinner in Op My Stoep Guest House, Oranjemund

### **Wednesday 13<sup>th</sup> September 2017**

- Lower Orange River deposits
- Accommodation with dinner in Op My Stoep Guest House, Oranjemund

### **Thursday 14<sup>th</sup> September 2017**

- MA1 beach deposits
- Accommodation with dinner in Op My Stoep Guest House, Oranjemund

### **Friday 15<sup>th</sup> September 2017**

- Delegates travelling by air depart from Oranjemund to Windhoek and onward travel to Gaborone, Botswana for 11 IKC, all under own arrangements

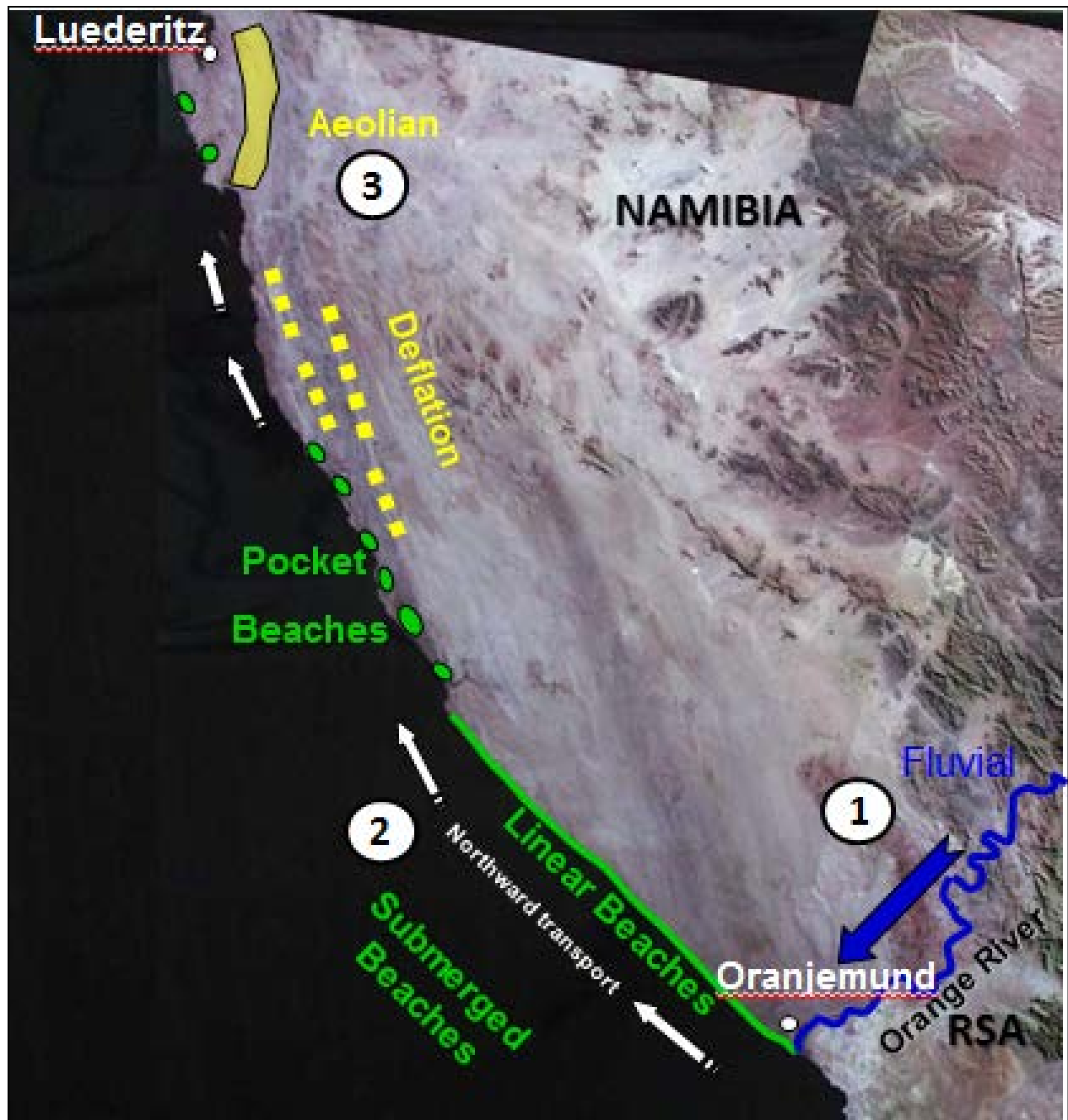


A NAMIBIA DE BEERS PARTNERSHIP

## Namdeb Diamond Corporation Deposits: The Namibian Megaplacer

The Orange River drainage basin, the principal drainage of southern Africa, has been the primary conduit to the most spectacular regional alluvial gem diamond occurrence yet discovered – an area stretching over 1500 km from the Namaqualand coast of South Africa northwards to the Skeleton Coast of Namibia. Since the initial discovery near Lüderitz in 1908, this region has produced at least 102 million carats of gem quality diamonds - the bulk of which were derived from the Namibian deposits along the Sperrgebiet coast. In this regional province, the diamonds are hosted in a variety of world-class placer types that, broadly speaking, encompass alluvial, fluvial, marine, deflation and aeolian settings with temporal ranges from at least the Eocene to Recent deposits.

Participants will follow the route that the diamonds took, and visit the fluvial deposits on the Orange River, the legendary 'raised beach' deposits of Mining Area No. 1, the Pocket Beach and deflation deposits in the Sperrgebiet, as well as the aeolian deposits at Elizabeth Bay. The trip will start in Oranjemund, and end in Luderitz, both served by Air Namibia flights from Windhoek.



Placer types in the Sperrgebiet



Orange River Terrace deposits



Raised beach deposits on Mining Area No. 1



Bedrock cleaning operations – Mining Area No. 1





The Probe-drill Platform (PDP), a shallow marine exploration tool.



Wind-fluted bedrock in the Sperrgebiet



Early days near Luderitz.



Early days near Luderitz.