

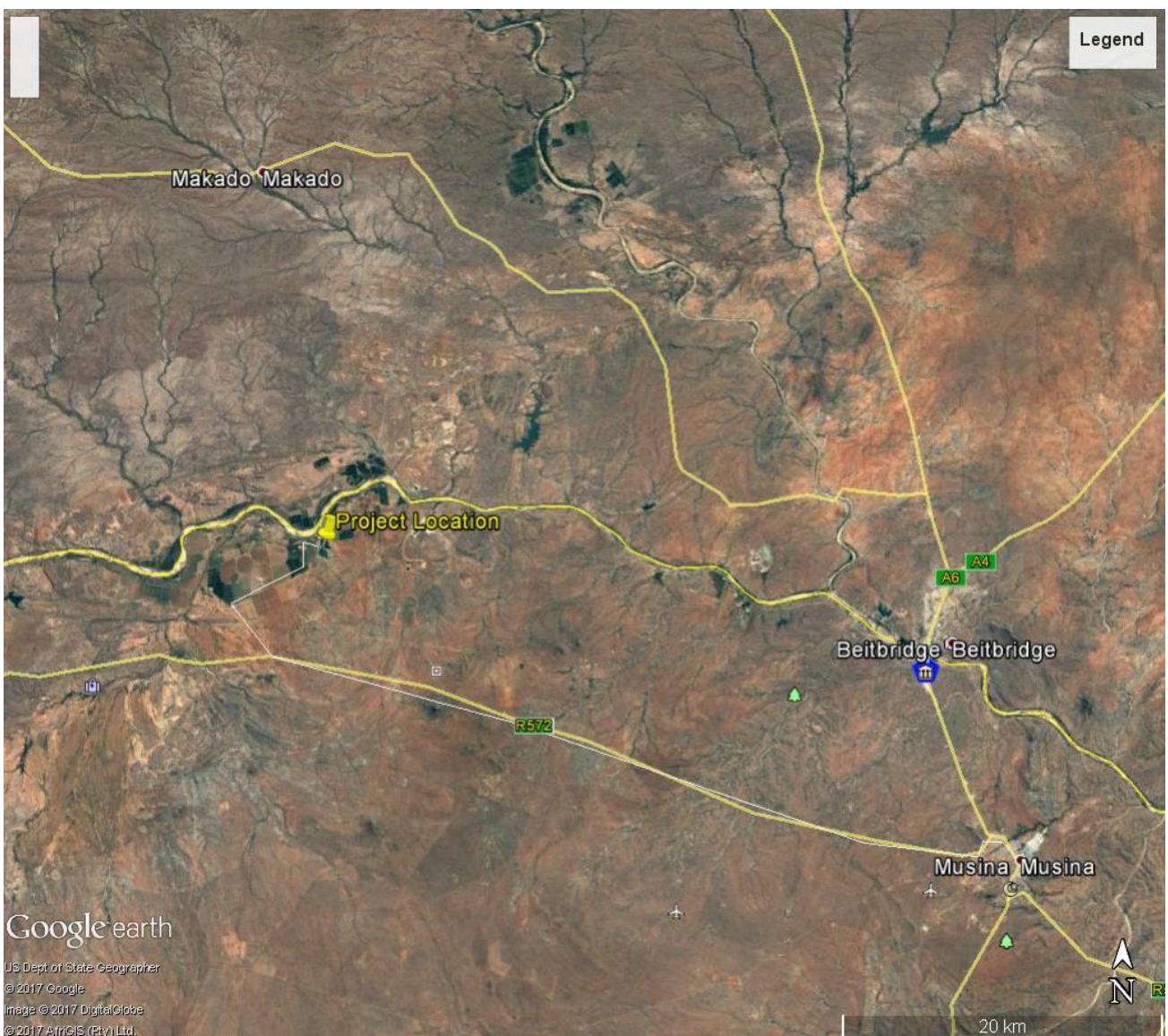
## BACKGROUND INFORMATION DOCUMENT FOR PROPOSED EXPANSION OF EXISTING DAM ON RESTANT OF THE FARM OVERVLAKTE 125 MS

### 1 INTRODUCTION

#### General and background

The existing dam situated on Restant of the farm Overvlakte 125 MS, approximately 61 kilometers west of Musina, district of Vhembe in the Limpopo Province. The farm is primarily managed as an irrigation farm for citrus.

The co-ordinates (WGS84) of the proposed dam site are Latitude  $22^{\circ} 10' 7.98''$  and Longitude  $29^{\circ} 37' 7.32''$ .

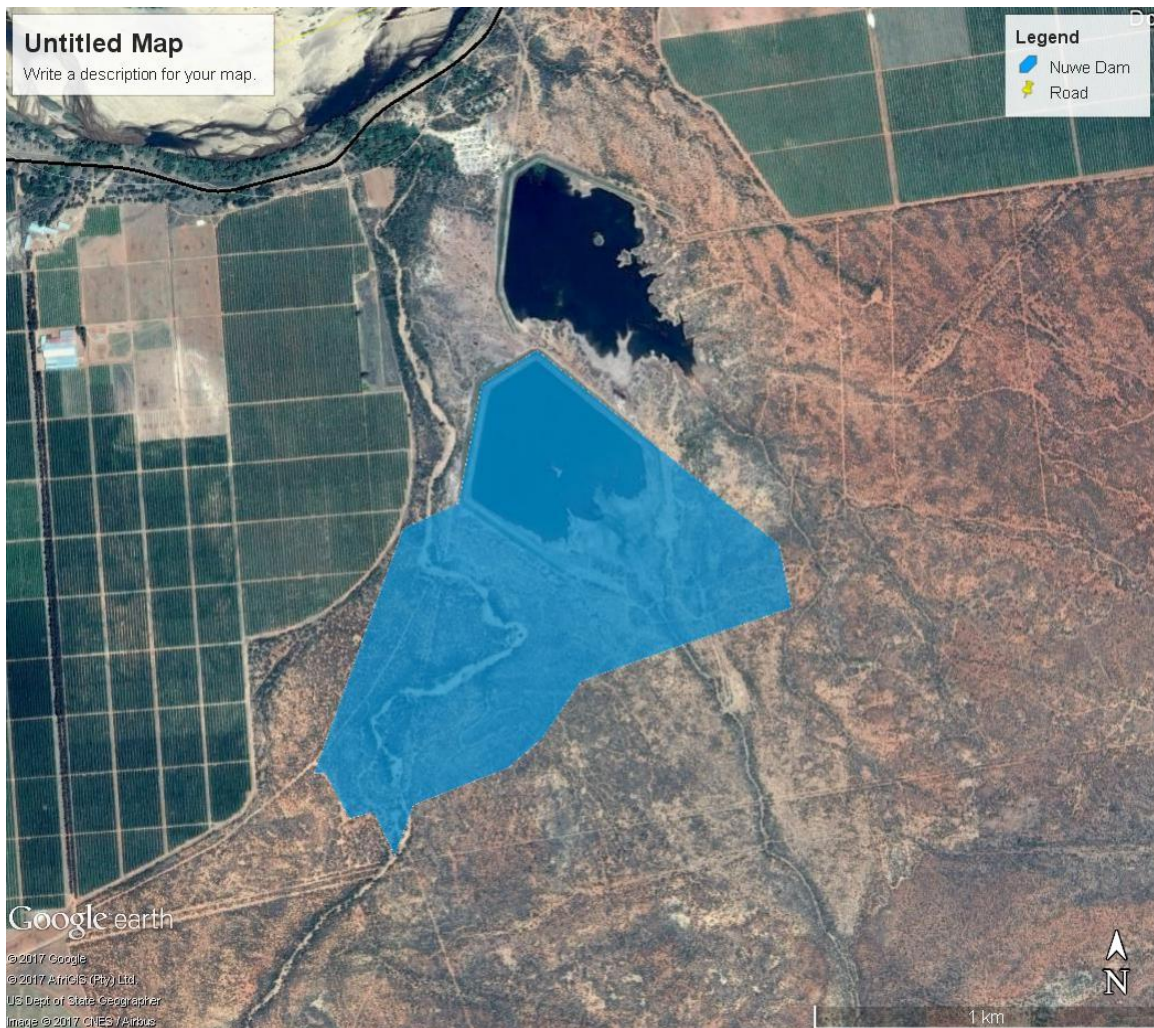


## 2 PROJECT DESCRIPTION

### Project name:

### Nature of Activity

The expansion of the existing dam is located approximately 810 meters in a direction South-to-South East from the Limpopo River. The dam is considered as an off-channel storage dam with water pumped from the Limpopo River. The applicant has a registered volume of water that will be stored in the extension as the two existing dams are too small for the allocated volume.



The proposed dam wall will be directly adjoining to the southern embankment wall of the existing dam and will extend to the south.

The dam will exceed 5m in height. It will be constructed as an earthfill dam, with a clay centre. This will be embedded onto the geological substructure.

The spillway will be to the north into the existing second dam situated to the north. Detail designs will be submitted with the WULA-and EIA applications.

The construction process will be managed from the existing farm infrastructure; thus no construction work yard will be established. Building materials, including clay and sand, will be obtained from the surrounding area in the storage footprint and will be below the high water level mark of the dam. The expected new impoundment created will cover approximately 98.2ha of which 32.1 ha is for the existing dam.

A farm road leads directly to the development site and it would therefore not be necessary to cut an access road to the site. The only construction activity with the potential to create dust and noise pollution of note will be the collection and compacting of building material. As the construction site is situated in a remote area, it should not affect the environment adversely. The owner will, however, dampen the area around the construction site to reduce dust pollution.

The physical environment includes two unnamed drainage lines. Vegetation is predominantly Mopane. Specialist studies will include Aquatic-and Ecological Specialist Reports, Archaeological Phase 1 Report, Geotechnical Report and Engineering Design Reports.

Floodline determination indicated that the projects footprint is outside the 1:100 year floodline of the Limpopo River.

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