

**PROPOSED ZUKA VALLEY RESIDENTIAL  
ESTATE, SEAWARD, BALLITO, KWAZULU-NATAL**

**DESK-TOP PALAEOLOGY REPORT**

**FOR**

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**April 2019**

***SUMMARY:* The proposed site is not fossiliferous.**

## **PROPOSED PROJECT**

The applicant, R G Upneck Investment (Pty) Ltd, wishes to develop a residential estate that will form part of the greater Seaward Estate in Ballito. The Zuka Valley Residential Estate will be a sectional title development and will comprise 125 units built in 2 phases that will be a mix of 2, 3- and 4-bedroom luxury units. The extent of the proposed development is 4.1486 hectares (41486 m<sup>2</sup>). The affected property is Erf 3305, Ballitoville. The site is currently zoned for residential and is situated east of the R627 road. Dr Alan Smith Pr. Sc. Nat was asked to conduct a desk-top Palaeontological Impact Assessment.

## **LOCATION**

The project is situated in Ballito. (Figure 1).



*Figure 1: Context of the location of the proposed Zuka Valley Residential development.  
Source: GoogeEarth.*

## **GEOLOGY**

The proposed project footprint falls within sediments designated Qb on the 2930 Durban 1:25 000 geological map. This material is described as red sand, subordinate white, yellow, brown and purple sand; and basal conglomerate. The red sand is referred to as the Berea Formation and described as Pleistocene in age (Dunlevey, 1997). This unit rests on the “Berea Boulder Beds”, this is undated but is most likely to be 14 million years old.

## **PALAEONTOLOGY**

No significant fossils have been recorded from the Berea Formation or the underlying Berea Boulder Beds.

## **CONCLUSIONS**

This site is not fossiliferous so it is unnecessary to proceed further.

## **REFERENCES**

Durban 2930 1: 25 000 Geological Map Council for Geosciences, Pretoria.

Dunlevey, J.N. (1997). The Berea Red Sands. *Heavy Minerals 1997*. S.A. Inst. of Mining & Metallurgy, JHB., 237-240.