Banzai Environmental
14 Eddie De Beer Street
Bloemfontein

23 February 2019

Amendment to Palaeontological Impact Study:

PALAEONTOLOGICAL IMPACT ASSESSMENT FOR THE PROPOSED 325MW RONDEKOP WIND ENERGY FACILITY, (WEF) BETWEEN MATJIESFONTEIN AND SUTHERLAND IN THE NORTHERN CAPE PROVINCE (DEA REF: 14/12/16/3/3/2/1115).

Comments on the implication of changes in the layout of the Rondekop 325 MW Wind Energy Facility on the Paleontological impacts on this development.

The following changes are proposed for the development:

- Change in the turbine capacity from between 3MW and 6.5MW to be up to 8MW
- All turbines are still valid
    - slight alignment shifts mainly to turbine 16 [ecology changes]
    - 44 [to avoid the 200m bat and bird buffer surrounding the watercourse]).
- Turbine 25 access road to crane pad: minor alignment change as the current alignment was very close to the edge of the ridge and ecologist was concerned about downslope erosion).
- Turbine 27 access road: minor alignment shift to avoid crossing a rocky ridge/outcrop as per the ecology requirement.
- Road between turbine 28 & 29: minor alignment change to avoid rocky outcrop.
- Crane pad 29 & 35: minor alignment change to avoid the rocky outcrops.
- Access road north 1: shifted the alignment slightly away from the drainage line and then crossing it perpendicularly at a single point.
- Access road 2: shifted to only cross the drainage line at one point.
- Construction Camp 1: shift to follow road alignment.

During the site, specific field survey exposed rock layers were visually inspected and no visible evidence of fossiliferous outcrops were found. The proposed development site is underlain by the Adelaide Formation of the Beaufort Group (Karoo Supergroup) and the Waterford Formation of the Ecca Group (Karoo Supergroup) (Figure 1 and 2). According to the **information provided** all changes to the proposed Rondekop WEF layout is **minor alignment changes**. After these amendments to the Rondekop WEF layout, the overall Geology of the proposed layout is still the same. And as such the change in the layout of the proposed development will not have an influence on the Palaeontological Heritage of the proposed development.

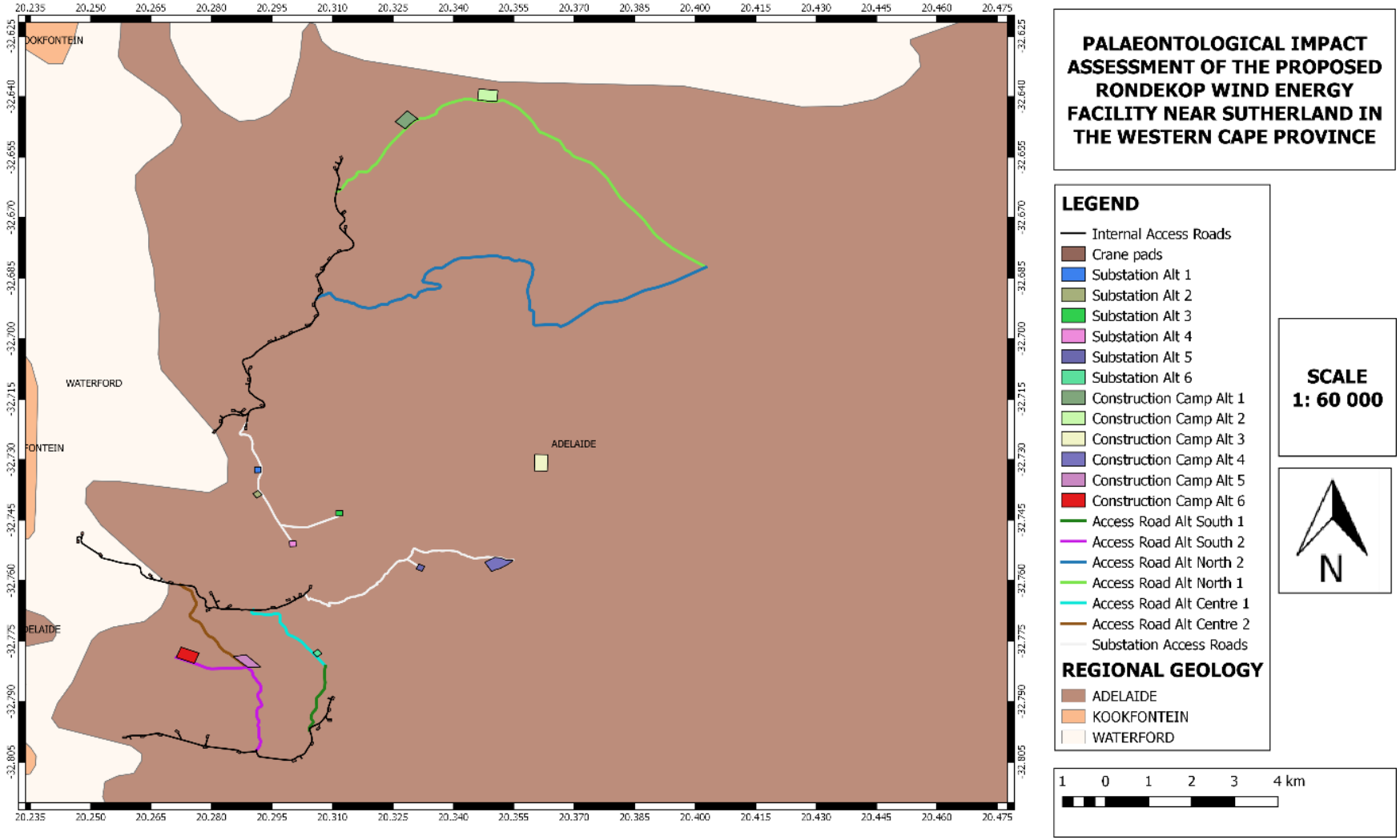

Figure 1: Surface geology of the original Rondekop WEF layout. The proposed development site is underlain by the Adelaide Formation of the Beaufort Group (Karoo Supergroup) and the Waterford Formation of the Ecca Group (Karoo Supergroup). The map was drawn QGIS Desktop 2.18.18.

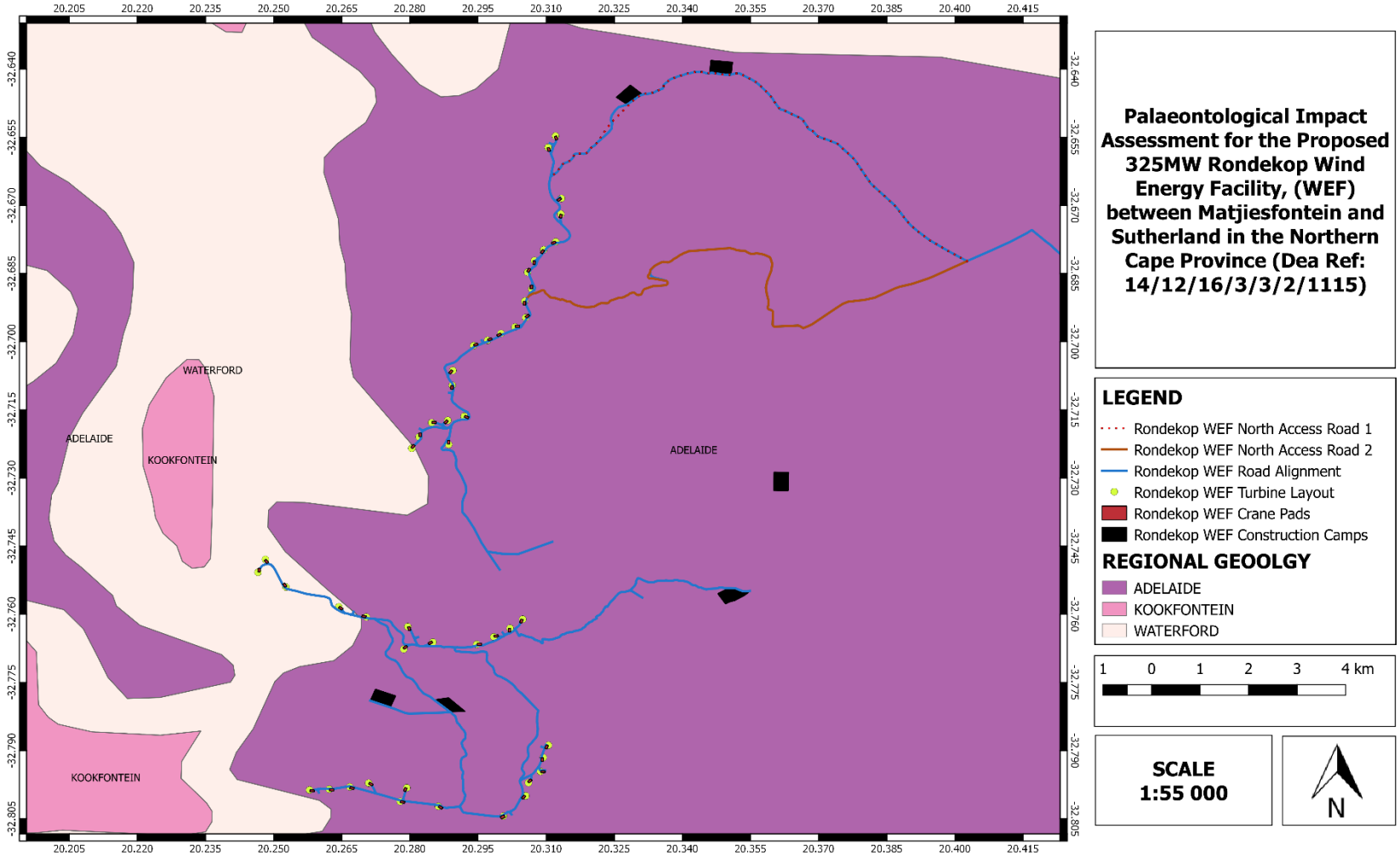

Figure 2. Surface geology of amended Rondekop WEF Layout. The proposed development site is underlain by the Adelaide Formation of the Beaufort Group (Karoo Supergroup) and the Waterford Formation of the Ecca Group (Karoo Supergroup). The map was drawn QGIS Desktop 2.18.18.

The overall impact rating reflected in the report **Palaeontological Impact Assessment** for the proposed 325 MW Rondekop Wind Energy Facility, (WEF) between Matjiesfontein and Sutherland in the Northern Cape Province dated 28 October 2018 **is thus not affected** by the layout changes

Yours sincerely

Elize Butler