



**EnviroSci (Pty) Ltd**  
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**To whom it may concern**

**AQUATIC ECOLOGY OPINION WITH REGARD THE PROPOSED KHUNAB SOLAR GRID CONNECTION: POWERLINE**

EnviroSci (Pty) Ltd was appointed by McTaggart PV Pty Ltd to review the proposed application against the potential aquatic impacts associated with the construction and operation of the grid connection infrastructure (i.e. Khunab Solar Grid Connection) considered to be essential associated infrastructure for a larger development known as the Khunab Solar Development. The grid connection infrastructure will facilitate the evacuation of the electricity generated by the proposed McTaggart Solar PV1, McTaggart Solar PV2, McTaggart Solar PV3 and Klip Punt PV1 into the national grid via the existing Uppington MTS.

Based on the information provided, i.e. no pylons/towers associated with proposed powerline will be placed within any watercourses inclusive of a 32m buffer, and that transmission line impacts within the receiving environment would be Negligible. It is therefore my professional opinion that a detailed aquatic assessment would not be required for the Khunab Solar Grid Connection.

This is also based on the fact that the undersigned has been assessing the on the above mentioned properties for other renewable projects since 2010 onwards, and the DEA National Screening Tool (Attached) map also indicates that the potential impact on the aquatic environment within the region would be LOW.

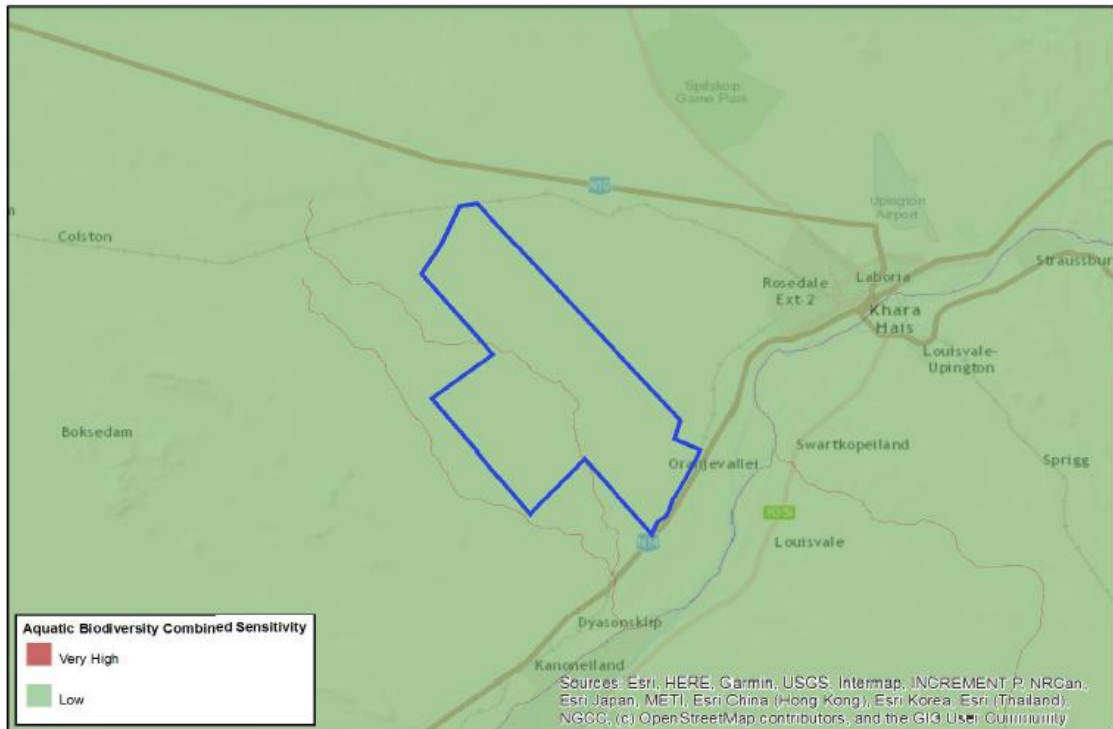
Thus no objection to the authorisation of any of the proposed Khunab Solar Grid Connection activities assuming no new tracks will be required within any of the water courses and that the line will span all the dry ephemeral systems encountered.

Please don't hesitate to contact me directly should you have any further queries.

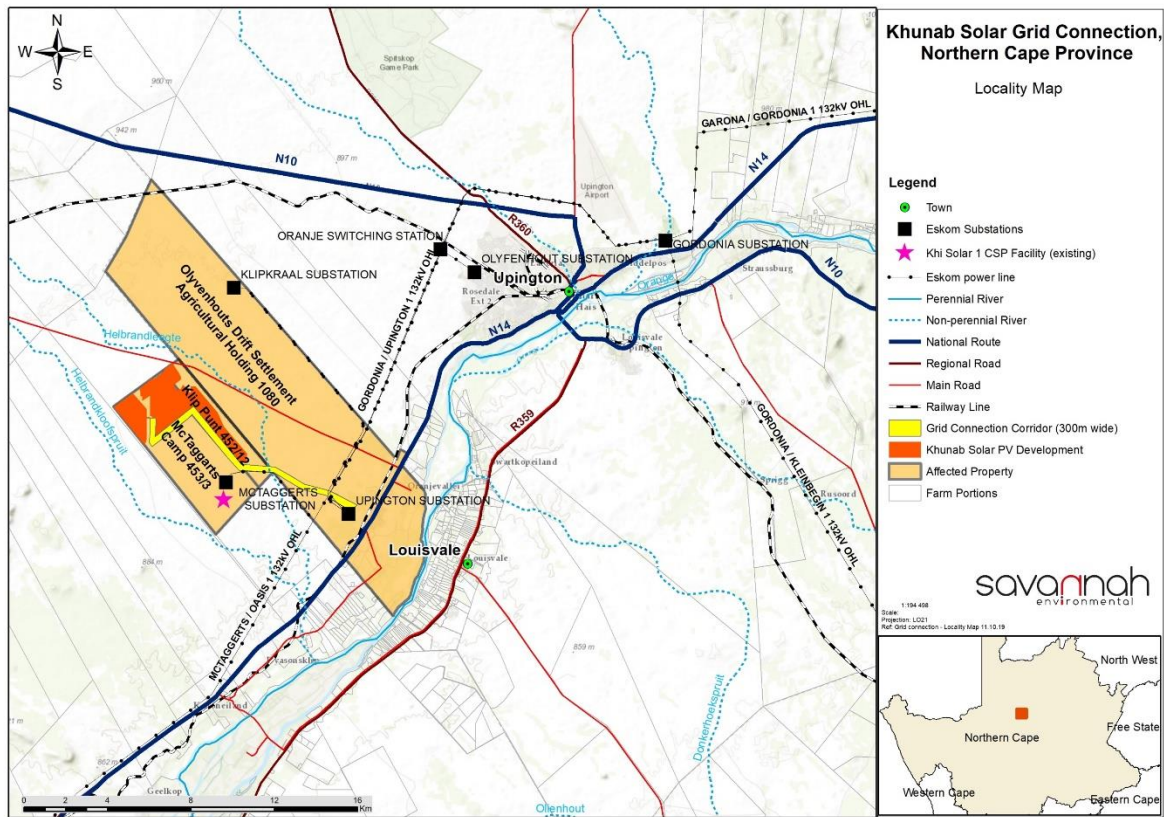
Yours Sincerely

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## MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY



**FIGURE 1: DEA Screening Tool Map of the Khunab Solar Grid Connection indicating a low sensitivity for aquatic biodiversity.**



**FIGURE 2: PROJEC LAYOUT**

**References:**

Macfarlane, D.M. & Bredin, I.P. 2017. Buffer Zone Guidelines for Rivers, Wetlands and Estuaries Buffer Zone Guidelines for Rivers, Wetlands and Estuaries. WRC Report No TT 715/1/17 Water Research Commission, Pretoria.

Pool-Stanvliet, R., Duffell-Canham, A., Pence, G. & Smart, R. 2017. The Western Cape Biodiversity Spatial Plan Handbook. Stellenbosch: CapeNature.

Scherman Colloty and Associates 2018. Rietkloof Wind Energy Facility Aquatic Assessment submitted to WSP Environment & Energy, Africa, 2018.