

**DEA SCREENING TOOL\_ SPECIALIST ASSESSMENTS IDENTIFIED  
(COMMENTS AND MOTIVATIONS)**

**THE PROPOSED EXPANSION OF AN INSTREAM DAM ON THE REMAINDER OF FARM  
ZWARTFONTEIN NO. 792 AND PORTION 8 OF THE FARM ZWARTFONTEIN NO. 792,  
ZWARTFONTEIN, MALMESBURY, WESTERN CAPE**

No	Specialist Assessment	Comments/ Motivations
1	Landscape/ Visual Impact Assessment	The proposed site is zoned for agricultural purposes and is surrounded by agricultural land uses. Moreover, the proposed project is for the enlargement of an existing dam and is therefore, in line with the land-use. The type of development proposed is in line with the surrounding land use and therefore, will not be a novel visual impact. Therefore, it is envisaged that a Visual Impact Assessment will not be required.
2	Agricultural Theme	The proposed enlargement of the existing dam is in line with the zoning of the proposed site, namely Agriculture. Although approximately 4.5ha of orchards will be lost due to the proposed enlargement of the Zwartfontein Dam, the preferred layout meets the applicant's target storage capacity and is in line with the applicant's storage demand for the irrigation of existing orchards. Therefore, an assessment into agriculture potential was not envisaged.
3	Archaeological and Cultural Heritage Impact Assessment (HIA)	A Notice of Intent to Develop was submitted to HWC. As per comment received on NID, HWC stated that no further action under Section 38 of the National Heritage Resources Act (Act No. 25 of 1999) is required.
4	Palaeontological Impact Assessment	As per the PalaeoSensitivity Map , the site is located within an area of low paleontological sensitivity (see Figure 1 below/ accessed at: <a href="https://sahris.sahra.org.za/map/palaeo">https://sahris.sahra.org.za/map/palaeo</a> ). As per the NID, no impacts to significant palaeontological resources are anticipated. HWC provided comment (Appendix E2) stating that the proposed dam enlargement will not impact on heritage resources. Therefore, although no palaeontological studies are required, a protocol for finds is required and will be included addressed in the Draft EIR phase.

5	Terrestrial Biodiversity Assessment	The proposed site is located within the Swartland Shale Renosterveld, a vegetation type classified as Critically Endangered (GN 1002, December 2011). No animals were noted on site during the site visit. It is envisaged that a Botanical Impact Assessment was required (please see comment/ motivation for No. 8) which will comment on and characterize aspects of the terrestrial biodiversity component present in the proposed site for development. Moreover, the proposed development is for the enlargement of an existing dam on an area previously transformed / disturbed. measures, to mitigate any potential impacts on terrestrial biodiversity. Therefore, it is envisaged that a Terrestrial Biodiversity Assessment will not be required for the proposed development.
6	Aquatic Biodiversity Impact Assessment	As per the DEA Screening Tool, a high sensitivity area is located within the existing dam. It was envisaged that a Freshwater Assessment was required and was conducted. The Freshwater Assessment was also required to support the proposed Water Use Authorisation (WUA) application.
7	Hydrological Assessment	Please see motivation above.
8	Socio-economic Assessment	All comments received from I&APs will be addressed and responded to by the relevant personnel, namely the EAP, Applicant, and/ or Specialists. Conditions and measures, have been addressed in the EMPr. Therefore, it is envisaged that a Socio-economic Assessment was not required.
9	Plant Species Assessment	Although the proposed site for dam enlargement has been previously disturbed / transformed, and the plant species theme was classified as Medium (see DEA Screening Tool), a Botanical Assessment was undertaken to determine the presence of any plant species of conservational value within the proposed development footprint.
10	Animal Species Assessment	No animals were noted on site during the site visit however, conditions and measures have been addressed in the EMPr to mitigate potential impact(s) of the proposed development on animal species. Moreover, the proposed development is for the enlargement of an existing dam on an area previously transformed / disturbed. Therefore, it is envisaged that no Animal Species Assessment will be required.
11	Defence Theme	The proposed project is for the enlargement of an existing dam and is therefore (i) in line with surrounding land use and will not be a novel visual impact, and (ii) will not impact any defence-related activities / themes. Thus, it was envisaged that an assessment associated with this defence theme was not required.
12	Civil Aviation Theme	The proposed project is for the enlargement of an existing dam and is therefore in line with surrounding land use and will not be a novel visual impact. Thus, it was envisaged that a civil aviation assessment was not required.

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Please do not hesitate to contact me should you require any further information or clarity on the above.

**Best Regards,**

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