



**NOTIFICATION
 OF
 INTENT
 TO
 DEVELOP**

Completion of this form is required by Heritage Western Cape for the initiation of all impact assessment processes under Section 38(1) & (8) of the National Heritage Resources Act (NHRA).

Whilst it is not a requirement, it may expedite processes and in particular avoid calls for additional information if certain of the information required in this form is provided by a heritage specialist/s with the necessary qualifications, skills and experience.

A. APPLICABILITY OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT (NEMA)

HWC Case Number:

DEADP Reference Number: Pending

NOTE: A DEADP (W Cape Dept. Environment Affairs & Development Planning) reference number must be included in all NHRA Section 38(8) processes where DEADP is the decision making authority under NEMA. The effect of this requirement is that the NEMA process must be initiated with DEADP prior to the NHRA process with HWC.

If a DEADP reference number is not entered above please check one of the following boxes:

This application is made in terms of Section 38(8) of the NHRA and an application under NEMA has been made to the following authority:

This development will not require a NEMA application.

NOTE: Making an incorrect statement or providing incorrect information in this part of the form may result in all or part of the application having to be reconsidered by HWC in the future, or submission of a new application.

B. BASIC DETAILS

PROPERTY DETAILS:

Name of property: **Portion 26 of Farm Stinkfontein 383**

Street address or location (eg: off R44): **Portion 26 of Farm Stinkfontein 383**

Erf or farm number/s: **Portion 26 of Farm Stinkfontein 383**

Coordinates: **33°22'31.67"S 19°22'13.15"E**
 (A logical centre point. Format based on WGS84.)

Town or District: **Ceres**

Responsible Municipality: **Witzenberg**

Extent of property: **53.47ha**

Current use: **Agriculture**

Predominant land use/s of surrounding properties: **Agriculture**

REGISTERED OWNER OF PROPERTY:

Name		
Address		
Telephone	Cell	E-mail
<p>By the submission of this form and all material submitted in support of this notification (ie: 'the material'), all applicant parties acknowledge that they are aware that the material and/or parts thereof will be put to the following uses and consent to such use being made: filing as a public record; presentations to committees, etc; inclusion in databases; inclusion on and downloading from websites; distribution to committee members and other stakeholders and any other use required in terms of powers, functions, duties and responsibilities allocated to Heritage Western Cape under the terms of the National Heritage Resources Act. Should restrictions on such use apply or if it is not possible to copy or lift information from any part of the digital version of the material, the material will be returned unprocessed.</p>		
<p>I confirm that I enclose with this form four hardcopies of all material submitted together with a CD ROM containing digital versions of all of the same.</p>		

Signature of owner or authorised agent
 (Agents must attach copy of power of attorney to this form.)

Date / / 20

DEVELOPMENT DETAILS:

<p>Please indicate below which of the following Sections of the National Heritage Resources Act, or other legislation has triggered the need for notification of intent to develop.</p>	
<input type="checkbox"/> S38(1)(a) Construction of a road, wall, powerline, pipeline, canal or other similar form of linear development or barrier over 300m in length.	<p>S38(1)(c) Any development or activity that will change the character of a site -</p> <input checked="" type="checkbox"/> (i) exceeding 5 000m ² in extent; <input type="checkbox"/> (ii) involving three or more existing erven or subdivisions thereof; <input type="checkbox"/> (iii) involving three or more erven or divisions thereof which have been consolidated within the past five years.
<input type="checkbox"/> S38(1)(b) Construction of a bridge or similar structure exceeding 50m in length.	
<input type="checkbox"/> S38(1)(d) Rezoning of a site exceeding 10 000m ² in extent.	
<input checked="" type="checkbox"/> Other triggers, eg: in terms of other legislation, (ie: National Environment Management Act, etc.) Please set out details: NEMA	
<p>If you have checked any of the three boxes above, describe how the proposed development will change the character of the site: The establishment of a dam over agricultural fields</p>	

If an impact assessment process has also been / will be initiated in terms of other legislation please provide the following information:

Authority / government department (ie: consenting authority) to which information has been /will be submitted for final decision: **DEADP**

Present phase at which the process with that authority stands:

Provide a full description of the nature and extent of the proposed development or activity including its potential impacts (eg: changes in land use, envisaged timeframes, provision of additional bulk services, excavations, landscaping, total floor area, height of development, etc. etc.):

The project entails the design and construction of the proposed Jade Hills Dam with a provisional storage capacity in the order of ±67 000m³. The main idea is to top up the existing winter water use, namely 8,6ha of water from the privately owned Rietvallei scheme for summer irrigation.

C. HERITAGE RESOURCES AND IMPACTS THEREUPON

Section 3 of the National Heritage Resources Act sets out the following categories of heritage resource as forming part of the national estate. Please indicate the known presence of any of these by checking the box alongside and then providing a description of each occurrence, including nature, location, size, type

Failure to provide sufficient detail or to anticipate the likely presence of heritage resources on the site may lead to a request for more detailed specialist information.

(The assistance of relevant heritage professionals is particularly relevant in completing this section.)

Provide a short history of the site and its environs (Include sources where available): **See attached Heritage Screening Assessment**

Please indicate which heritage resources exist on the site and in its environs, describe them and indicate the nature of any impact upon them:

<input type="checkbox"/>	Places, buildings, structures and equipment of cultural significance Description of resource: Description of impact on heritage resource:
<input type="checkbox"/>	Places to which oral traditions are attached or which are associated with living heritage Description of resource: Description of impact on heritage resource:

<input type="checkbox"/>	<p>Historical settlements and townscapes</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p>Landscapes and natural features of cultural significance</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p>Geological resources of scientific or cultural importance</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p>Archaeological resources (Including archaeological sites and material, rock art, battlefields & wrecks):</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input checked="" type="checkbox"/>	<p>Palaeontological resources (ie: fossils):</p> <p>Description of resource: The area proposed for development is underlain by sediments of the Voorstehoek, Gydo and Gamka Formations of the Bokkeveld Group (very high palaeontological sensitivity).</p> <p>Description of impact on heritage resource: Possible destruction of palaeontological resources</p>
<input type="checkbox"/>	<p>Graves and burial grounds (eg: ancestral graves, graves of victims of conflict, historical graves & cemeteries):</p> <p>Description of Resource:</p> <p>Description of Impact on Heritage Resource:</p>
<input type="checkbox"/>	<p>Other human remains:</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p>Sites of significance relating to the history of slavery in South Africa:</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p>Other heritage resources:</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>

Describe elements in the environs of the site that could be deemed to be heritage resources:

This application is for the proposed establishment of a dam on Farm Stinkfontein in Ceres. Ceres is located at the north-eastern entrance to Michell's Pass and was the old route north between Cape Town and Johannesburg, which was later replaced by the N1 highway. The completion of Michell's Pass in 1848 made the town accessible to wagons, and one of the main routes to the diamond fields in Kimberley passed through Ceres. The proposed development is located outside of Ceres town, in its rural, heavily cultivated areas. Ceres is renowned for its agriculture and the areas around Ceres town have been extensively cultivated since 1849.

The area proposed for the dam contains no existing structures and the nearest identified structures of heritage significance are located within the town of Ceres. In addition, the proposed farm dam is in keeping with the agricultural context of the cultural landscape. As per Figure 2 and Appendix 2, very few Heritage Impact Assessments have been completed within 10km of the area proposed for the dam. As per Figure 3 and 3a, the archaeological resources known from this area occur predominantly in the kloofs of the Winterhoek Mountain areas. According to Kaplan (2009, SAHRIS NID 3995), rock art is well known from the Koue Bokkeveld of the Ceres region. In addition, Kaplan has identified some early Stone Age artefacts while conducting archaeological assessments in this area. However, due to the extensive cultivation of this area since the mid-1800's, it is very unlikely that significant *in situ* archaeological resources will be impacted by the proposed dam development.

The area proposed for development is underlain by sediments of the Voorstehoek, Gydo and Gamka Formations of the Bokkeveld Group (very high palaeontological sensitivity). The Voorstehoek Formation consists of dark grey fossiliferous shale, mudrock and siltstone and thin sandstone beds. The Gydo Formation consists of black to dark grey fossiliferous shale mudstone and siltstone and the Gamka Formation consists of dark grey lithic and feldspathic sandstone and siltstone. These formations belong to the Bokkeveld Group which is known for its rich trace fossil assemblages, shelly invertebrates (trilobites, brachiopods, echinoderms, molluscs etc) and microfossils in the lower Bokkeveld and important fish, vascular plant and trace fossil biotas in the upper Bokkeveld. It is therefore likely that the proposed dam development will impact on significant palaeontological heritage, however it is unlikely that a palaeontological field assessment will reveal any new information due to the extensively cultivated nature of the development area. It is recommended that a Chance Fossil Finds Procedure be implemented for the development of the dam.

Description of impacts on heritage resources in the environs of the site: **Impacts to palaeontology**

Summary of anticipated impacts on heritage resources:

The proposed development is unlikely to impact on significant archaeology, built environment or cultural landscape heritage resources. However, the area proposed for development is underlain by formations of very high palaeontological sensitivity. It is recommended that no further studies are required, however a Chance Fossil Finds Procedure must be adopted for the development of the dam.

ILLUSTRATIVE MATERIAL (This form will not be processed unless the following are included):

Attach to this form a minimum A4 sized locality plan showing the boundaries of the area affected by the proposed development, its environs, property boundaries and a scale. The plan must be of a scale and size that is appropriate to creating a clear understanding of the development.

Attach also other relevant graphic material such as maps, site plans, satellite photographs and photographs of the site and the heritage resources on it and in its environs. These are essential to the processing of this notification.

Please provide all graphic material on paper of appropriate size and on CD ROM in JPEG format. It is essential that graphic material be annotated via titles on the photographs, map names and numbers, names of files and/or provision of a numbered list describing what is visible in each image.

D. RECOMMENDATION

In your opinion do you believe that a heritage impact assessment is required? Yes No

Recommendation made by:

Name **Jenna Lavin**

Capacity **Heritage Practitioner**

PLEASE NOTE: No Heritage Impact Assessment should be submitted with this form or conducted until Heritage Western Cape has expressed its opinion on the need for such and the nature thereof.

E. INFORMATION TO BE PROVIDED AND STUDIES TO BE CONDUCTED AS PART OF THE HERITAGE IMPACT ASSESSMENT (HIA)

If it is recommended that an HIA is required please complete this section of the form.

DETAILS OF HERITAGE PRACTITIONERS AND SPECIALISTS INTENDING TO CONDUCT THE HIA:

1 .	Name of individual:	Name of Practice:	Area of specialisation:
	Qualifications:		
	Experience:		
	Standing in heritage resource management:		
	E-mail Address:	Telephone:	Cell:

2	Name of individual: Qualifications: Experience: Standing in heritage resource management: E-mail Address: Telephone: Cell:	Name of Practice:	Area of specialisation:
3	Name of individual: Qualifications: Experience: Standing in heritage resource management: E-mail Address: Telephone: Cell:	Name of Practice:	Area of specialisation:
4	Name of individual: Qualifications: Experience: Standing in heritage resource management: E-mail Address: Telephone: Cell:	Name of Practice:	Area of specialisation:
5	Name of individual: Qualifications: Experience: Standing in heritage resource management: E-mail Address: Telephone: Cell:	Name of Practice:	Area of specialisation:
If this submission is made in terms of Section 38(8) of the National Heritage Resources Act indicate below the particulars of the principle environmental consultant on the project.			
Name of individual: Inge Erasmus Name of Practice: EnviroAfrica Area of specialisation: EAP E-mail Address: inge@enviroafrica.co.za Telephone: 27 21 851 1616 Cell: Postal Address: P.O. Box 5367, Helderberg, 7135			

DETAILS OF STUDIES TO BE CONDUCTED IN THE INTENDED HIA

In addition to the requirements set out in Section 38(3) of the NHRA, indicate envisaged studies:	
<input type="checkbox"/>	Heritage resource-related guidelines and policies.
<input type="checkbox"/>	Local authority planning and other laws and policies.
<input type="checkbox"/>	Details of parties, communities, etc. to be consulted.
<input type="checkbox"/>	Specialist studies, eg: archaeology, palaeontology, architecture, townscape, visual impact, etc. Provide details:
<input type="checkbox"/>	Other. Provide details:
PLEASE NOTE: Any further studies which Heritage Western Cape may resolve should be submitted must be in the form of a single, consolidated report with a single set of recommendations. Specialist studies must be incorporated in full, either as chapters of the report, or as annexures thereto.	