

Agency for Cultural Resource Management

Specialists in Archaeological Studies and Heritage Resource Management

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13 November, 2008

Att : Mr Nick Wiltshire
Heritage Western Cape
Private Bag X 9067
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Dear Mr Wiltshire

PHASE 1 ARCHAEOLOGICAL IMPACT ASSESSMENT PROPOSED UPGRADING OF THE EXISTING KLAWERVLEI DAM BONNIEVALE

Heritage Western Cape (HWC) requested that a Phase 1 Archaeological Impact Assessment (AIA) of the proposed upgrading of the existing Klawervlei Dam (on Portion 1 of Farm Wagenboomsheuvel No 212) near Bonnievale in the Western Cape (Figure 1) be undertaken (HWC Record Of Decision attached).

The proposed upgrading will involve raising the existing dam wall by about 15 m and enlarging the full supply capacity to 380 000 m³. This will inundate an area of about 4.5 hectares. The upgrade is necessary in order to store the existing water allocation for summer irrigation as the agricultural production moves more into irrigated summer crops from winter crops

A Notice of Intent to Develop (NID) checklist has been completed by the archaeologist and submitted to HWC for comment.

A request for exemption from having to undertake an AIA was made by the archaeologist, on behalf of the client, but this was turned down by HWC.

2. Terms of reference

The Terms of Reference for the archaeological assessment were to:

- Identify and map any heritage resources on the proposed site;
- Determine the importance of heritage resources on the proposed site;
- Determine and asses the potential impacts of the proposed project on the heritage resources, and
- Recommend mitigation measures to minimise impacts associated with the proposed project.

3. The study site

The proposed site (S 34° 00 51.9 E 20° 12 12.7 on map datum wgs 84) is located on Farm Wagenboomsheuvel No 212 near Bonnievale. Access to the farm is off the R60 running between Ashton and Swellendam, on the Drew Road (Figure 2).

The relatively small area to be flooded is set back immediately behind the existing Klawervlei Dam, in a narrow well vegetated kloof (Figures 3-5). The receiving environment is infested with thorn trees and thick bush, resulting in low archaeological visibility. Some deep shale pits have been excavated on the proposed site and on the lower slopes overlooking the existing Klawervlei dam. The core material (shale) will be used to raise the height of the existing dam wall.

4. Approach to the study

The proposed site was searched for archaeological remains.

The site visit took place on 12th November, 2008.

5. Findings

No archaeological remains were documented on the proposed site.

The shale pits were also inspected but no archaeological remains were found.

One weathered Middle Stone Age flake was found on the existing Klawervlei dam wall.

6. Impact statement

The impact of the proposed project on important pre-colonial archaeological remains is likely to be **low**.

7. Recommendations

The Archaeological Impact Assessment of the proposed upgrading of the existing Klawervlei Dam wall (on Portion 1 of Farm Wagenboomsheuvel No 212) near Bonnievale in the Western Cape has identified no significant impacts to pre-colonial archaeological material that will need to be mitigated, prior to proposed development activities.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Jonathan Kaplan', with a long horizontal flourish extending to the right.

Jonathan Kaplan

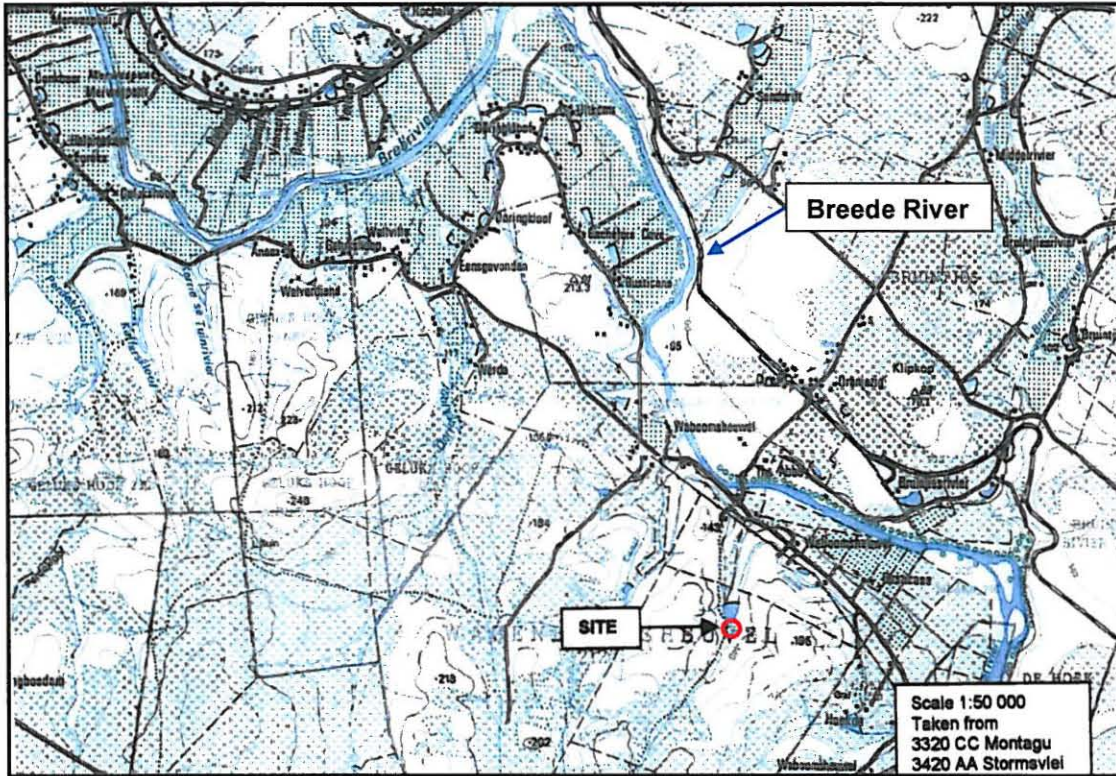


Figure 1. Locality Map (3320 CC Montagu & 3420 AA Stormsvlei)



Figure 2. Aerial photograph of the study site indicating the proposed area to be inundated



Figure 3. The Klawervlei Dam facing west

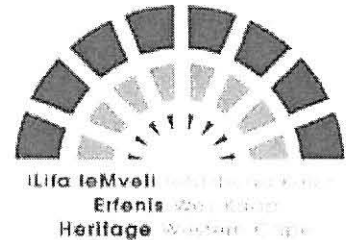


Figure 4. The proposed site facing south east



Figure 5. The proposed site facing south west

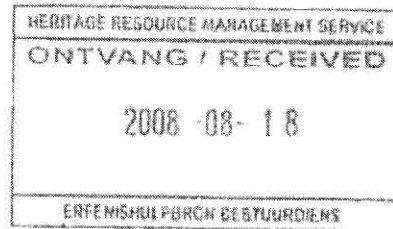
Our Ref: HM/BONNIEVALE/REMAINDER OF PTN 1 OF FARM
WAGENBOOMSHEUVEL NO. 212



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14 August 2008

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NOTIFICATION OF INTENT TO DEVELOP (NID): KLAWERVLEI DAM, REMAINDER OF PORTION 1 OF FARM WAGENBOOMSHEUVEL NO. 212, BONNIEVALE: PROPOSED UPGRADE TO INCREASE SUPPLY CAPACITY TO -380 000 CUBIC METERS

The above matter was discussed at the Archaeology, Palaeontology and Meteorites (APM) Permit Committee meeting held on 5 August 2008:

The following was noted for the proposed upgrade:

1. No archaeologist, palaeontologist or general heritage practitioner had given input in section 7.2 of the Notification of Intent to Develop (NID).
2. The dam wall will be raised by 15m, the impact of the upgrade would cover an extent of 4.5ha.
3. The area may be archaeologically sensitive.

Heritage Western Cape (HWC) agreed that:

1. In future no Notification of Intent to Develop (NID) would be accepted without input from an archaeologist and palaeontologist (section 7.2.).
2. An archaeological impact assessment (AIA) is required prior to the commencement of construction activities.

Yours faithfully

Celeste Booth

Heritage Officer (Archaeology)
For: Accounting Authority: Heritage Resources Management Services.
Pp Heritage Western Cape

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