INTRODUCTION

affected by the proposed raising of the Hazelmere Dam. Umgeni The Institute for Cultural Water to undertake an archaeological survey Resource Management (ICRM) was of the area that may appointed De φ

archaeological sites as is evident with the pottery scatter on the edges of the dam noted. The original construction of the Hazelmere Dam has probably inundated other One archaeological site was recorded and one scatter of pottery sherds was

KwaZulu-Natal Heritage/Amafa aKwaZulu-Natali for Supply Level (FSL). Department of Water Affairs and Forestry will need to apply to archaeological site1. The onus is on DWAF to obtain such a permit. The archaeological site will require mitigation before the raising of the dam Full ۵ permit to damage the

METHODOLOGY

However, there is a consistent pattern of Early Iron Age sites occurring river valleys sites within the (Maggs 1984; Whitelaw 1994). The Natal Museum archaeology database was scanned for known archaeological affected area. No sites have been previously recorded in this

paths on either side of the dense vegetation. The area to be affected by the new FSL made some areas unsurveyable. with a GPS and marked on the provided orthophoto The affected area was surveyed by foot, however the dense vegetation in places surveyed and is indicated in figure 1. The archaeological sites were recorded To counter this, we surveyed along the tracks and

later on in the main text survey is undertaken and are improtant as the they explain why sites are significant assessed requires explanation. These definitions determine the way in which the definition of an archaeological site, its significance, and how these

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flooding. The permit application is specifically categorised as a 'damage permit', even if the FSL damage is

generally determined by several factors. Each site is also assessed in terms of other sites in the specific region and to the broader regional context. Small scatters of artefacts are usually not regarded as a site. Significance is

Defining significance

assessment of archaeological sites. each type Archaeological sites vary according to significance and different criteria relate to 9 site. However, several criteria allow for a general significance

These criteria are:

State of preservation of:

- . Organic remains:
- 1.1.1. Faunal
- 1.1.2. Botanical
- 1.2. Presence of a cultural deposit
- Features:
- 1.3.1. Ash Features
- 1.3.2. Graves
- 1.3.3. Middens
- 1.3.4. Cattle pens
- 1.3.5. Houses/Structures

2. Spatial arrangements:

- 2.1. Internal housing arrangements
- 2.2. Intra-site settlement patterns
- 2.3. Inter-site settlement patterns

Features of the site:

- ယ . <u>.</u> . Are there any unusual, unique or rare artefacts at the site?
- 3.2. Is it a type-site?
- feature, or artefact? ယ ယ Does the site have a good example of a specific time period,

Research:

- 4.1. Providing information on current research projects
- 4.2. Salvaging information for potential future research projects

Inter- and intra-site variability

- artefacts? variability, œ. Can this spatial relationships particular site yield information regarding intra-site between various features and/or
- social relationships within itself, or between other communities? Can this particular site yield information about a community's

Archaeological Experience:

significant aspects, but need to be tested prior to any conclusions should not be ignored. The personal experience and expertise of the CRM practitioner Experience can indicate sites that have potentially

Educational:

- after initial test-pit excavations and/or full excavations The educational value of a site can only be fully determined
- or local site museum Educational value is in terms of display at a Heritage institution

RESULTS FROM THE ARCHAEOLOGICAL SURVEYS

One archaeological site was recorded and one scatter of artefacts was recorded

site. However, they do indicate that sites probably existed in the area prior to the distance. The sherds belong to thin-walled vessels and probably date to the Late Iron scatter consists of five pottery sherds and one upper grinding stone over a ±40 m verges of the dam just below the manager's office at the Hazelemere Reserve. This Hazelmere Dam Age or Historical Period. These sherds are to few to be defined as an archaeological The artefact scatter occurs between the sand embankment of the FSL and grass

similar topographical location as others Early Iron Age sites in KwaZulu-Natal. Iron Age, although one Middle Stone Age flake was noted. The site occurs will be affected by the new FSL No Early Iron Age sites have been previously recorded near the Umdloti River. HZM1 tend to be just above a main river and its flood plain, and on a relatively flat surface location is mainly in large river valleys, and nearby a main water source. The archaeological site (named HZM1) dates to the Mzonjani Phase of the Early The sites a ⊒.

and the vegetation was too dense. The artefacts were observed in the dirt road cutting sherds, a few upper grinding stones and one fragment of a daga floor. HZM1 extends for over 150m - a more precise size could not be ascertained, as in cleared areas just above the Umdloti River. These artefacts included many

30 -50 cm below the current surface An archaeological deposit exists at the site and it appears that the artefacts are

The decorated sherds are defined as follows:

- Ë
- Flat
- Rim:
- Everted
- Diagonal incisions
- Horizontal incisions
- Band of alternating triangles
- 3 Neck-shoulder-body:
- Hanging pendant motifs, including possible quadrilaterals

Significance

Westbrook Beach and the Ohlanga River may yield information regarding ceramic occur at the site, stylistic differences, or similarities, between sites. A spatial component may also inter-site Umdloti River Valley. The pottery decorations may provide important comparisons for The site is significant in that it is the first recorded Early Iron Age site along the fragment suggests that more may occur. HZM1 is of medium archaeological significance and further mitigation is required. decorations. in terms The of pits Inanda and cattle byres. Dam material and The fragment of a daga those excavated floor

development Although this site Ō 9 medium significance, it should not impede further

PROPOSED MITIGATION

itself to several small excavations to determine the full value of the site. Mitigation should be undertaken in a two phased approach. Phase 1 should limit These

site, then further excavation will be required. first phase yields results that suggest further information may be obtained from the excavations may determine the full range of decorated ceramics, spatial component possible preservation of organic remains (costs are given in Appendix A). If

are required spatial component at the site and the range of ceramic decorations. From these of the site. The primary aim of these excavations will be test the occurrence limited excavations a more precise time schedule can be made if further excavations Phase 1 would occur over a five-day period and place excavation at various parts <u>ර</u> බ

for future research and display purposes The material from the excavations will be curated and stored at the Natal Museum

raising of the Hazelmere Dam. In this case, I argue for salvage excavations instead of restricting the development. not believe that the site is of such great importance that it should affect the

which ð excavations and new FSL. The archaeologist and Umgeni Water will need to discuss archaeological time and money) if the area of the site can be cleared prior to the extent of the site, I would need to note areas of artefactual density, which in turn excavations of the site. this matter closer to the time of excavations be cleared. At the moment the vegetation is extremely dense and would hinder the One criterion prior to excavations is that the vegetation surrounding the site needs cannot be undertaken unless a general area the cleared. To determine the spatial information. The excavations need to determine the extent of the Thus it would be more cost-effective (in terms of.

Conclusion

levels significance and requires further mitigation. The occurrence of the archaeological site archaeological site and a scatter of artefacts. The archaeological site is of medium not of such importance that it should be restrictive for the Hazelmere Dam's new archaeological survey of the Hazelmere Dam located and recorded one

REFERENCES

the lower Tugela River. Annals of the Natal Museum 26(1): 71-94. Maggs, T. 1984. Ndondodwane: a preliminary report on an Early Iron Age site on

Natal Museum Journal of Humanities 6: 1-64 Whitelaw, G. 1994. KwaGandaganda: settlement patterns in the Natal Early Iron Age.

APPENDIX A

ESTIMATED COSTS FOR ARCHAEOLOGICAL EXCAVATIONS²

Company:

Umgeni Water

Contract name:

Hazelmere Dam

Excavations

30318.30			TOTAL
3723,30			VAT
26595.00	#BISOAVETHERED (**ACASAL HEEE) ON **PERBACK************************************	оподетняліні діль да е остання біліні, де де устанда діль діль діль діль діль діль діль діль	Subtotal
35.00	S	R7/day	Equipment costs
200.00			Photography
1300.00	10	R130/box	Curation of Materials
2250.00	<u>ن</u>	R450/night	Accommodation
20.00			Tolls
2100.00	رب.	R70/day/person	Subsistence
2290.00	8	R2.29/km	Transport
1000.00			Admin.
1600.00	∞	R200/hour	Minimal Analyses
4950.00	24	(incl. copies and time)	Report costs
850.00	gyn gyggglólólólóla a ^{ff} irenna		Labour
2000.00	∞	Assistants 1@R250/day;1@R150/day	Assistants
8000.00	40	R200/hour	Consultation
Total	Ž		Item

 $^{^{2}}$ These costs are valid for 3 months from the date of the report.