
managemert measures as set out in secton 7 of this report for the proposed zandfontem substation, on condition of acceptance of the development can lake place In any of the proposed corridors, as well as the site Based on what was found amd its evaluation, it is anticipated that the impact on heritage sites is anticipated to be of low significance. informal cemetheries occur close to the proposed comorors. Therefore, the thetal according to current knowledge and umberstanding of the developmenc, ony two Some Hentage regources are known to occur in the larger geographical area. but Zandfonten sub-transmission line and substaton is wo beveloped resources that mhgt octur and as a result be lmpacted on im an area in which the


Weribage impact scoming report for the zameformef sub-bransmission line
SUMM閣RY


CONTENTS


* Conducting a desk-top investigarion of the areat
 consequentiy should be avolded. be achieved by identifyng areas/locathons of possible high significance that corridors would be the most suitate for the proposed development. This could ctlent identifed possimte cormdors. The alm was tharefore to identiry which of the which it is proposed to bumd the subumbonsmission line and new substation. The This repon gives an overvicw of the cultural hertage potentia of the area in


## 

human (cultural) development. mither indwiduaby or in groups, im the Hston, architecture and archaedogy of human activty. These include ant stes. structures and artefacts of importance, human-made occurrences, as weth as natural accurrances that are assoclated with Cuturah hertage msources are oroadly defned as all mon-physical and physical ine and substation is lo be developed as a result be impacted on in an area in whict the zandfontein sub-transmission ro undertake a scoping review of culturat hentage resources that might occur and The Natonal Cutural History Museum was comtrowed by Bohtwek Environmental INTRODUCTION mpumalanga

## transmission line and substation, highveld ridae district

 HERITAGE IMPACT SCOPING REPORT FOR THE ZANDFONTETN SUB
rablay developments, etc. as a resutt of previous work done there for varlous minme compantes, road and sites could be formulated. Fortumately. the area is well known to the researchet area was gatned and an idea of the potental problems and expected heritage This prehtrmaty study was followed by a fleld trip, from which an overvew of the motcaning potental problem areas premminary map to indicate the axistence of known stes of cultural significances. Cuttural History museum, Pretoria, was consulted. This was used to dram up a The Archomalogical Data Recordimg Centre (ADRC), housed at the National
nistorical events that rook place in the larger geogrophical area was found see the fist of references betow. A few published sources pertaining to the various antmopotoghod, archadotogical and historicat sources werm consulted previous resmateh done and tetermining the potential of the area. In ths regard
A Suney of the relevant literature was conducted whth the atm of reviewing the
3.2 metodomogy

> during pre-colonial thmes, to select other areas to live in gignificance, as enviranmental constramts possibly forced people, especially Archaeologically speaking. the proposed cormotors are not in sn area of high areas of archaeological, cultural or fistorical importance Recommend mitgation measures to ameliorate ary negative impacts on s, यm?
of the proposed development on archacological, cutturat and historical
Evaluate the potential Impacts of construction, operation and mantenance proposed development areas;
Jdentify possible archaedogical, cuttural and historic sites within the
No sites of objects datimg to this period were fdenfined in the suudy araa

* 540n6 494
 west to stop Just south of the vilage of Brenchan direction, croszing the $R 546$ and the Trichardt somut atter which it rurns to the



Wavenoncs"
5.1 Nationat Heritage Resomrc\& Act

Aspects concerning the conservation of cultural hettage are mainly dealt within
the Hertage Resources Act (Act 25 of 1999 ) and, to a lesser extent, the
Entronment Conservation Act (Act 73 of 1989 ).
 locations are known, it woutd be easy to avold them

development industmat and urban development took place on a large scate. as Bethal soon followed. After the discovery of mimerals such as coal and gold, up farms and setted permanemty in the area. The establishment of towns such


## HBStorme perloct


in the study area, they are krown to extst to the east, north and west of the town ared) did not start much before the 1500 , Although no such sites were identifed
 oldest known gites at Siver Leaves, south east of Tzanegn dating ta AD 270 . Iron Aqe peonta started to sette in southern atraca A0 300 , wht one of the

## Iron Age

 would have been lo cotd unlkety that Earty Stont Age people would nave occupled the area specific. as it Wetle Information about Stone Age habitation of the area is avaltable. It is
consemthon and operation phases
Scoping exarcises usually focus on two phases of a proposed dewolopment: whe
 survey area.

nestory of the country.

> SIRe of the Castle in Cape Town
(a) Grade f: Hartage resoutces with qualities so exceptionat that they ate of netween at heast the categories places and oblects which form par of the national estate and which disthoushes the MEC of every province. must by regulation astablish a system of grading of In terms of Section $7(1)$ of the Ack. SAFPA, In constitation wht the wintster and use such equipment for the recovery of meteortes recovery of metais of archaeological and pataeontological material or objects, or any excavation equpment of any equmpment that assists in tha tetection or or any mettarike; bting onto, or use at an archaedioghes or palaeothologicat sita
 the responsifte neritage resources authority destroy, damage, excavate, ater, Lnterms of Section $35(4)$ pt this Act, no person may, without a permt lssued by




 development can be excavated/fecorded and a management plan can be resources that cannot beavolded and that are directy mpacted by the spatial confinas. Any impact upon them is permanent and non-reversible. Those


## RECO

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|  | s4sit alaissod |
|  | - SEMe 山otaran | sites of cultural importance. The actions are most ikely to occur turing the

construction phase of the proposed prapect. The following project actions may impact negatively on archaeological and other
archaeologist shoutd then investigate and ewaluare the find. a museum, preferably one ar which an archaeologst is avalable. The ared should be stopped and the occurrence shoutd immediately be reported to exposed during the comstruction work. If anything is noticed, work in that

 permits from SAARA betore they can be relocated
exhumed by an archaedogism. Graves of wlctims of conflet requites additional the graves. If any of the graves are older than 60 years, they can only be


Al Gaves or cemetertes should be avoided, uness when totally impossible
bathefields, etc. do not show any structures but have emotionat significance, such as the existence of stes of cultural significance, e.g. graves, as well as sites that communties living chas to the proposed corridor should be consulted ask to ystbonobetye ve
settoments, and should therafore be avolded umbess proviousty inspected by Rock outcrops might contam rock shelters, engravings or stome walled

[^0]

> campsites, etc
Tha devalomet Tust ensure that an archaeologist inspects each site selected
for any intrastwature development sumb as access routes, construction
sacedul!
and design standards, if adhered to, can allminate, minimise or enhanca potential
management meatures as set out in Section 7 of this report. for the proposed Zandfontem Substaton, on conditon of acceptance of the development can take place in any of the proposed corridors, as well as the sites
Based on what was found and its evaluation, it is anticipated that the
Impact on heritage shes is antichated to be of low shonhcance.
informal cematerles occur close to the proposed corridors. Therefore, the initas according to current knowledge and understandng of the development, only two
Some hertage wescurces are known to occur in the larger geographical araa, but
zandfoncein sub-transmisston line and substation is to be developed.

The aim of the study was to undentake a soping review of cuturat hentage

Notssnosio's

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\begin{aligned}
& \text { excavation and documentation, should be published in order to bring this } \\
& \text { information into the public domein. }
\end{aligned}
$$

Any mitigation measures applied by an archaeologist, in the senser of
Hertage impor fisesument
Africa. Etmological Publications No. S. Petoria: Govemment Primter 4nos 10 saqu numeg a4t to Aanms Aueulumad w SEGL LN olownem uen report 2002 KH 26 . Pretoria: Nationat Cuturai fistory Museum mining dewelopment, Highveld Ridge district, Npumalanga province. Unpubllshed Van Schakwyk, J. A. 2002. A suryey of cultural resources tor the miciotbutt Pretoria: Natumal Cultural History Musemm

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9.2 Iteratum
2 Hiterature
Environmental potentiol Atlas, Deparment of Environmental Affars and Tourism
pretaria
Archaeological Data Remonding Comene, Natonat Culturat History Museum,
9.1. Data bases

## 9. REFERENCES

## Herirage lopart Astessmens



$\frac{\square}{4}$
Recommended management action: No further action necessary
Lecal recuirements: None
Certatnty of prediction: Definite

Ste number: 2629 CA 15
Legal requinemants: None

> Certainty of precticton: Definte
> Becommanded management astion: No fuether action necessary
Whcussion: Fortunately this site in located soma distance from the proposed
development and in woutd have no impact on it.
with stone cairns
Miscussion: Fortu
Descriprion: Informa cemetery with approximately 100 graves, all marked only


| [Pervous site numbers relate to other known sites on a particular y degree sheet alfeady documented in the ABRC, and does not necessarty refer to sites occuring on or close to the spetific area of development.) <br> Map catum Hsed: Hantebeenhoek 9a (H6584). |
| :---: |
|  |  |

Juaby sarmosay abrinar werbyy yanos . vatus
PHRA - Provincial Hertage Resources Agency
tools
core - a plece of stone from which flakes were removed to be used or made into
ADRC - Archaeological Data Recording Centre
country
Since the arrival of the white setthers - c. AD 1840 in this part of the
HISTORICAL PERIOD

> Early Iron Age (ELA)
> Late Iron Age (LIA)
$A D \quad 200-A D 1000$
$A O 1000-A D 1830$
$A D \quad 200 \cdot A D 1000$
IRON AGE
Late Stone Age (LSA)
Middle Stone Age (MSA)
Early Stone Age (ESA)
STONE AGE
30000 - until C. AD 200
$150000-30000 \mathrm{BP}$
2000000-150000 Before Present
be kept in mind, however, that these dates ara all relative and serve only to give
a wery broad framework for interpretation,
This section is included to give the reader some necessary background. It must


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[^0]:    archadologist. These might be old settement stes.
    Avold all palches bare of vegetation untess prewiously Inspected by an

