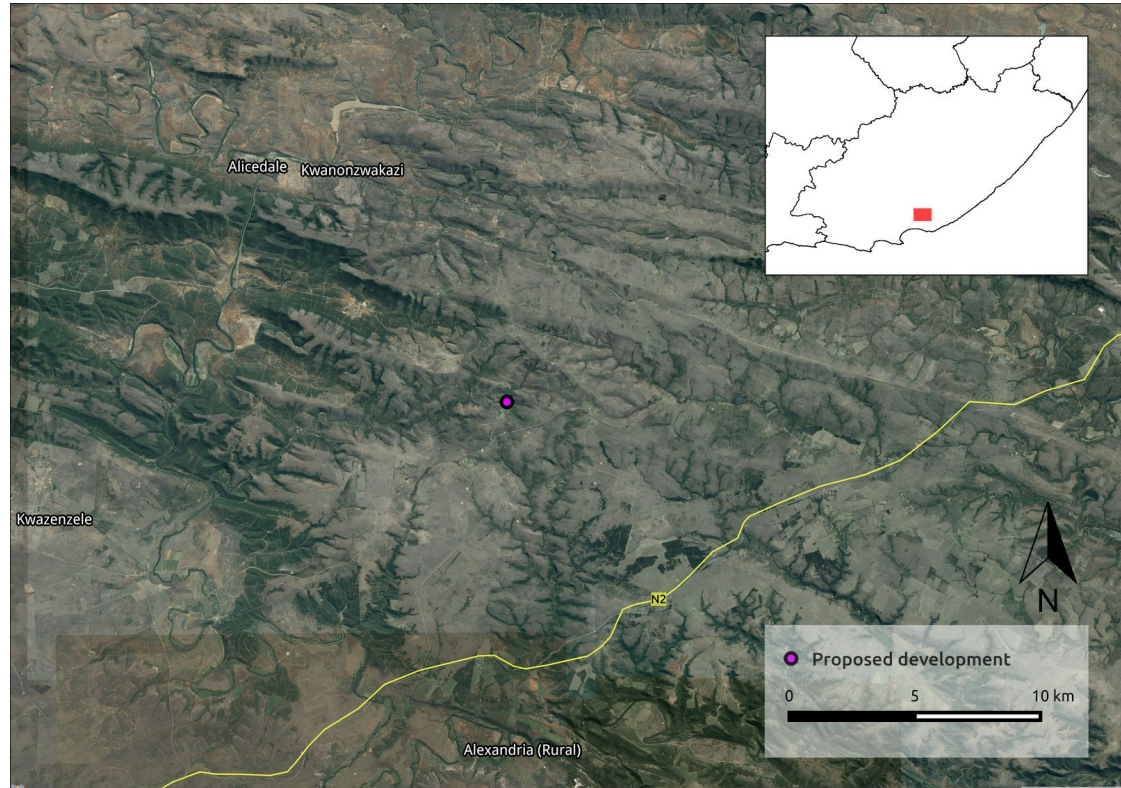




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## HERITAGE SCREENER

CTS Reference Number:	CTS15_033	
Client:	CEN Integrated Environmental Management	
Date:	21 October 2015	
Title:	Bayethe Tented Lodge, Eastern Cape	
Recommendation by CTS Heritage Specialists: (Type 1)	(1) The heritage resources in the area proposed for development are sufficiently recorded - There are no known sites which require mitigation or management plans. Given the small-scale size of the development and the thick vegetation cover in the area, no further heritage work is recommended for the proposed development.	

**Figure 1a.** Satellite image with proposed development area indicated in the Eastern Cape Province

## 1. Proposed Development Summary

Development of three tented lodges within the Bayethe Tented Lodge Camp, Shamwari Game Reserve, Eastern Cape.

## 2. Application References

Name of relevant heritage authority(s)	Eastern Cape Provincial Heritage Resources Authority (ECPHRA)
Name of decision making authority(s)	Department of Economic Development, Environmental Affairs and Tourism (DEDEAT)

## 3. Property Information

Farm Name and Number	Welcome Wood 290
Local Municipality	Makana
District Municipality	Cacadu
Previous Magisterial District	Albany
Province	Eastern Cape
Current Use	Game Reserve
Current Zoning	Game Reserve
Total Extent	370m linear development and a total of approximately 600m <sup>2</sup> for three lodges.

## 4. Nature of the Proposed Development

Surface area to be affected/destroyed	370m linear development and a total of approximately 600m <sup>2</sup> for three lodges.
Depth of excavation (m)	It is expected to be less than 0.5m



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Height of development (m)	4m maximum
Expected years of operation before decommission	NA

## 5. Category of Development

Triggers: Section 38(8) of the National Heritage Resources Act	X
Triggers: Section 38(1) of the National Heritage Resources Act	
1. Construction of a road , wall, powerline, pipeline, canal or other similar form of linear development or barrier over 300m in length.	X
2. Construction of a bridge or similar structure exceeding 50m in length.	
3. Any development or activity that will change the character of a site-	
a) exceeding 5 000m <sup>2</sup> in extent	
b) involving three or more existing erven or subdivisions thereof	
c) involving three or more erven or divisions thereof which have been consolidated within the past five years	
4. Rezoning of a site exceeding 10 000m <sup>2</sup>	
5. Other (state):	

## 6. Additional Infrastructure Required for this Development

A path, a walkway and a waterline to connect the proposed lodges to the existing tented camp.
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## 7. Mapping

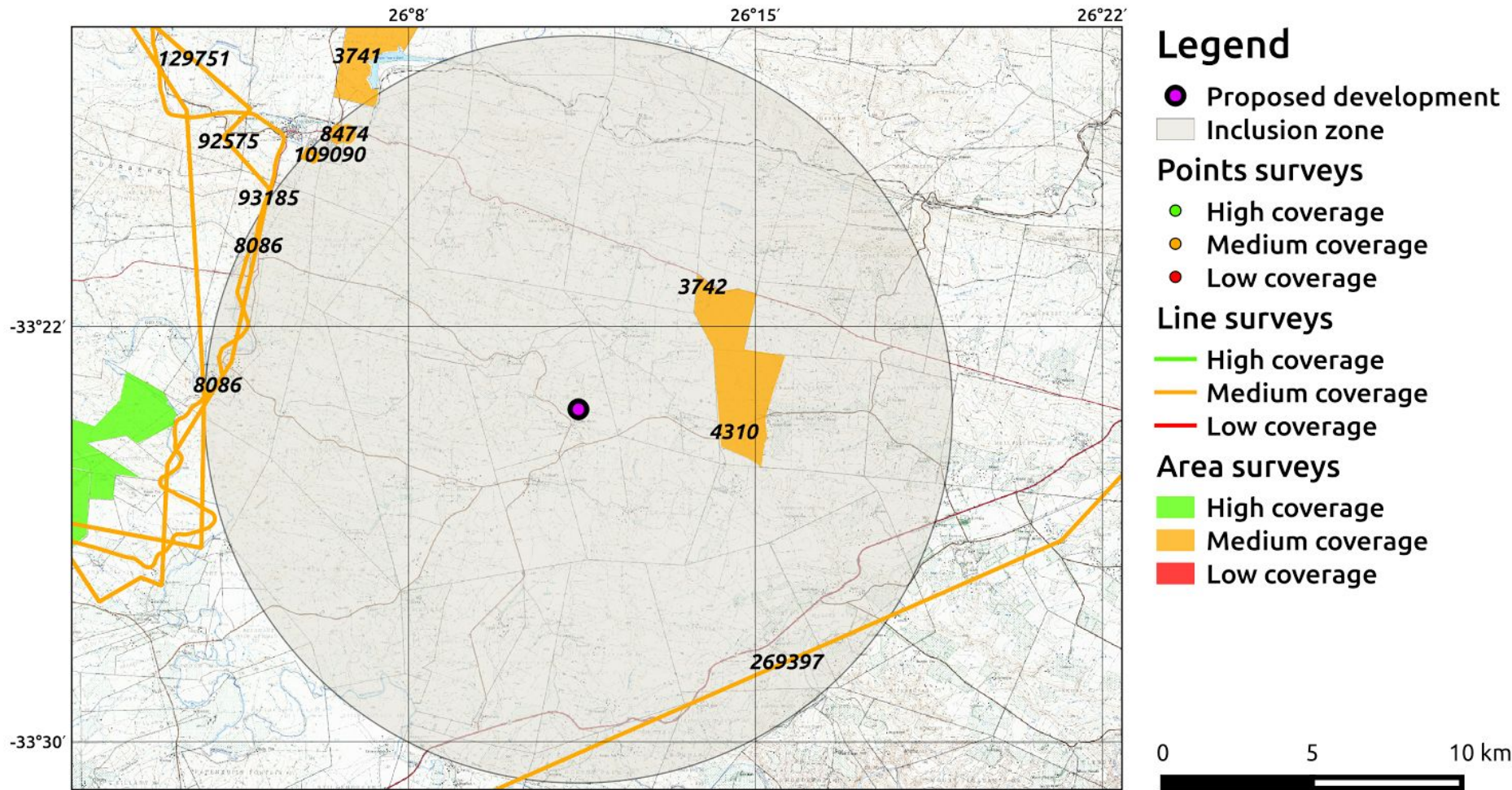


**Figure 1b. Overview Map.** Satellite image with proposed development indicated.





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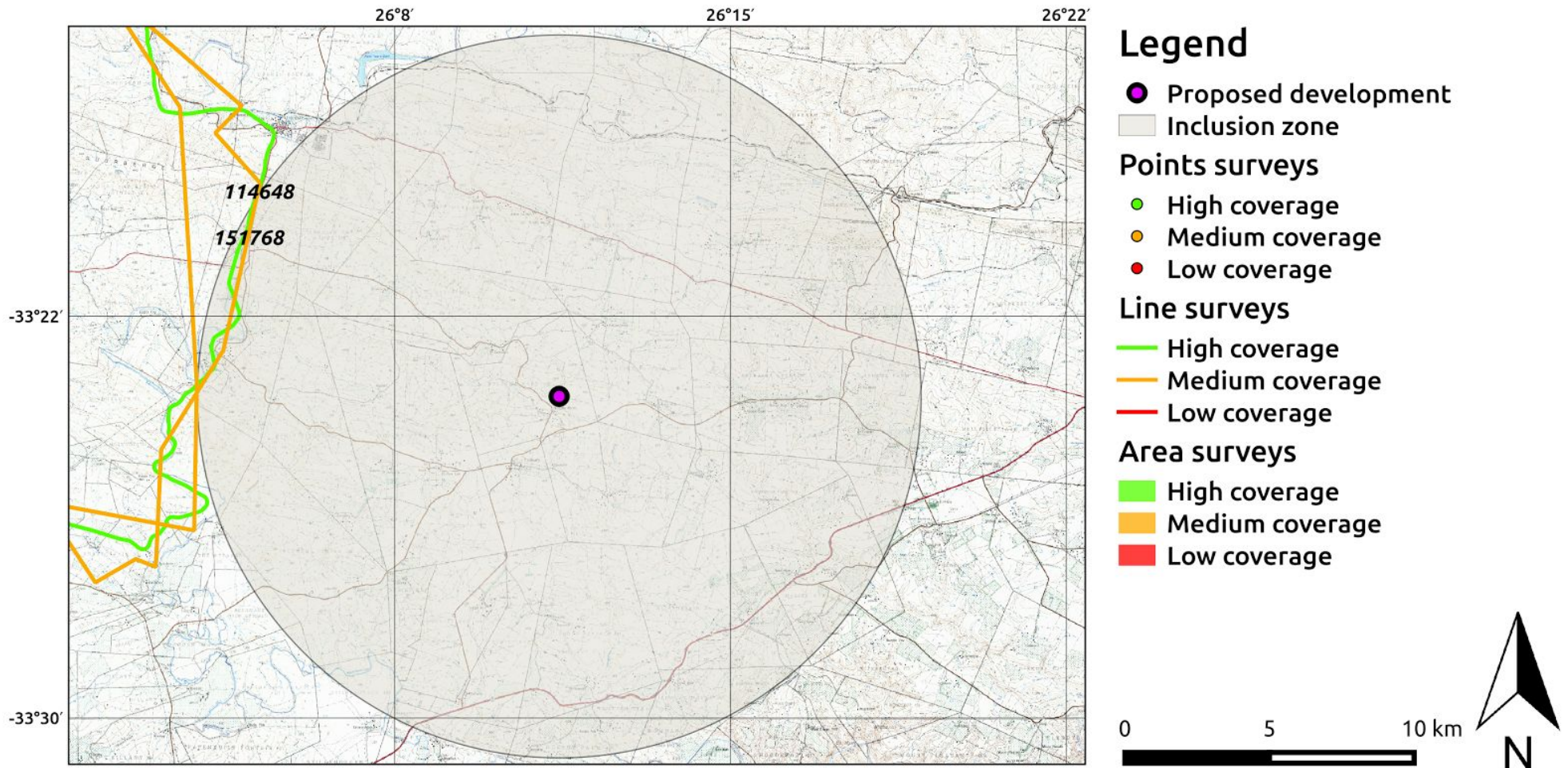


**Figure 2a. HIAs Map.** Previous Heritage Impact Assessments done in and near the proposed development (with SAHRIS NID labels indicated). PIAs excluded.





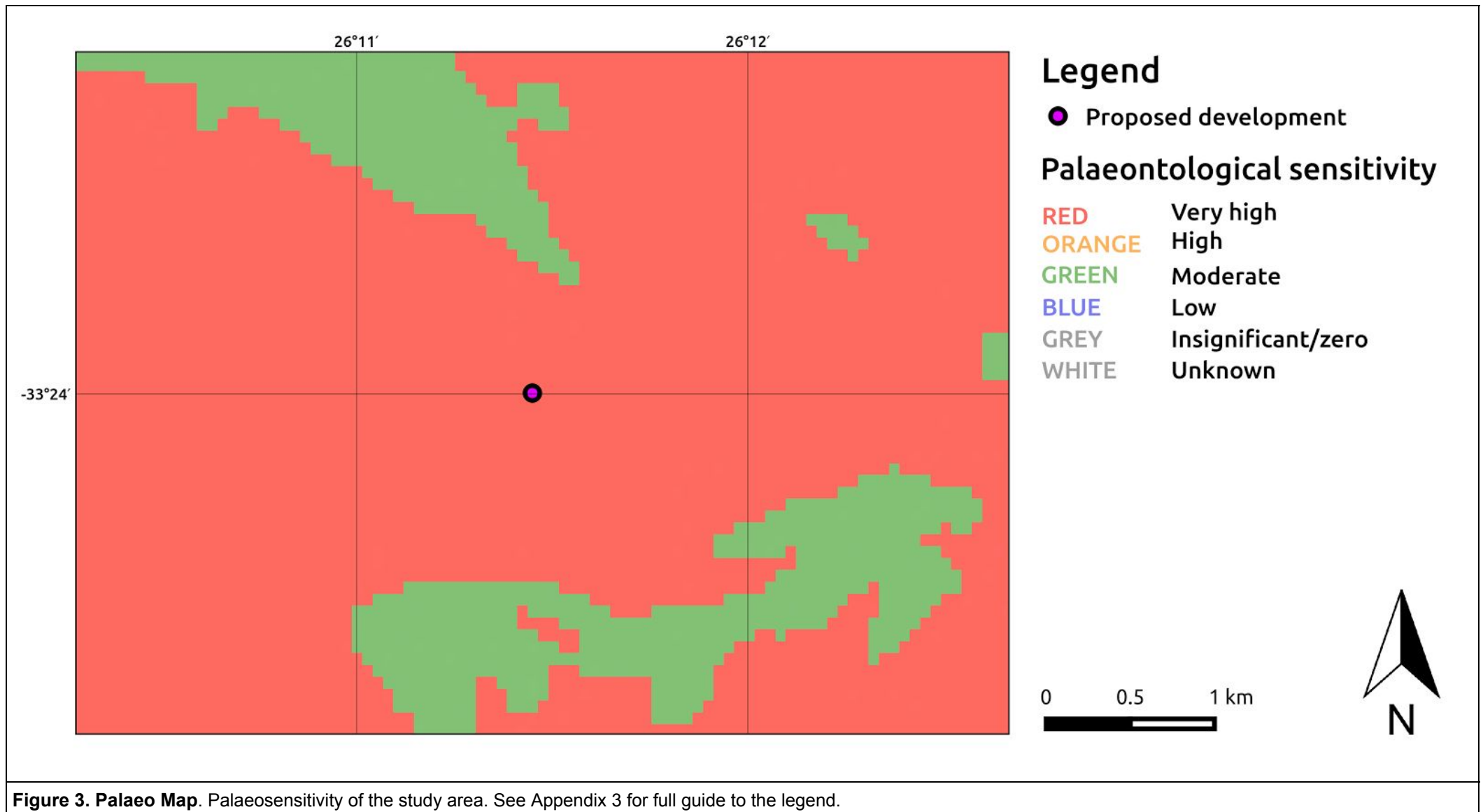
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**Figure 2b. PIAs Map.** Previous Palaeontological Impact Assessments done in and near the proposed development (with SAHRIS NID labels indicated).



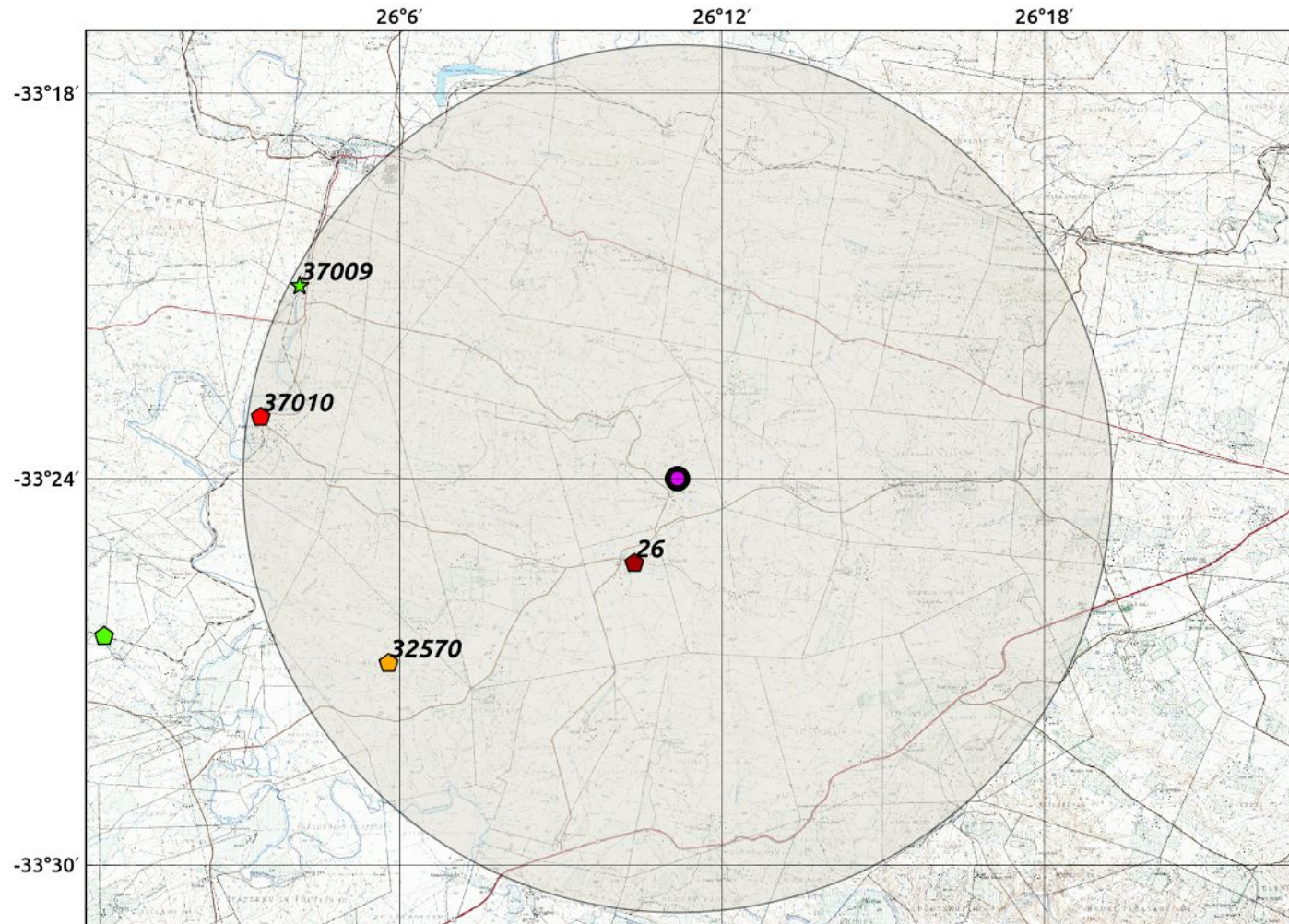
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## Legend

- Proposed development
- Inclusion zone

## Heritage resources

### Type

- ☆ Arch, Bat, Geo, Met, Pal, Und
- ⬠ Structures, Monuments & Memorials
- Liv. Heritage/Sacred sites, Burial Grounds and Graves, Natural, Place
- △ Conservation Area, Cultural Landscape

### Grading

- |                 |          |
|-----------------|----------|
| <b>DARK RED</b> | I & II   |
| <b>RED</b>      | IIIa     |
| <b>ORANGE</b>   | IIIb     |
| <b>GREEN</b>    | IIIc     |
| <b>CLEAR</b>    | Ungraded |

0 5 10 km



**Figure 4. Heritage Resources Map.** Heritage resources previously identified in and near the study area, with SAHRIS site IDs indicated.





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## 8. Heritage statement and character of the area

Shamwari Game Reserve is planning the construction of three tented lodges within the Bayethe Lodge. The lodges will require additional infrastructure such as a water line, a path and a walkway. The majority of the linear development will be located along existing access roads. The extent of the linear developments combined is about 370m and the extent of each of the three proposed lodges will not exceed 200m<sup>2</sup>.

Although the development is relatively small, an inclusion zone of 15km was considered. This was influenced by the paucity of Heritage Impact Assessments already undertaken in the area. Amongst these there are also two separate surveys (NIDs 3742 and 4310) by Dr Nilssen and Dr Webley conducted for the expansion of the Lalibela Game Reserve, located 5km east of Shamwari Game Reserve. Both archaeologists indicated that the vegetation cover severely impeded the ability to undertake a thorough survey and resulted in low archaeological visibility. However, even in areas of higher visibility, no archaeological sites were identified. In light of the size of the development and of the paucity of archaeological material identified in the area, **it is recommended that no Archaeological Impact Assessment be undertaken.** The foremen should be informed of the remote possibility of unearthing Stone Age material during vegetation clearing and earth moving activities.

From a palaeontological perspective the site is underlain by the Witpoort Formation, which, according to the SAHRA palaeosensitivity map, is of very high palaeontological sensitivity. Specifically, thick sandstone units within this formation are poorly fossiliferous (Almond, de Klerk and Gess, 2008). Moreover, it is expected that the impact on the bedrock will be negligible due to the nature of the development. Therefore, **no Palaeontological Impact Assessment is recommended for the proposed development.**



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## APPENDIX 1 - Site List

Site ID	Site no	Full Site Name	Site Type	Grading
26	9/2/003/0011	St Peter's Anglican Church, Sidbury, Albany District	Building	Grade II
37010	HOT066	Hotazel 066	Structures	Grade IIIa
32570	Springfield farm	----	Building	Grade IIIb
37009	HOT065	Hotazel 065	Archaeological	Grade IIIc

## APPENDIX 2 - Reference List

Nid	Author/s	Date	Report Type	Title
3741	Lita Webley	15/06/2007	AIA	Phase 1: Heritage Impact Assessment of the Farm New Years Drift West No 274, Register Division Albany
3742	Peter Nilssen	9/10/2007	AIA	Archaeological Heritage Impact Assessment Remainder Portion 3 of the Farm Boekenhout Fontein No. 297 and Remainder Portions 6 and 1 of Portion 1 of the Farm Assegaai Bush No. 296: Establishment of Game Lodges and Resorts to be Incorporated Into the Great
4310	Lita Webley	25/04/2007	HIA	Heritage Impact Assessment on Portions of Farms Boekenhout Fontein, Assegaai Bush and Birchwood Park for the Establishment of Game Lodges and Resorts to Be Incorporated Into the Greater Lalibela Nature Reserve, Eastern Cape
8474	Len van Schalkwyk, Elizabeth Wahl	26/09/2008	HIA	Heritage Impact Assessment of Ndlambe and Makana Borrow Pits, Greater Cacadu Region, Eastern Cape Province, South Africa
8086	Johan Nel	14/11/2008	AIA	Final Report Heritage Resources Scoping Survey & Preliminary Assessment Transnet Freight Line EIA, Eastern Cape and Northern Cape
92575	Elize Becker	10/10/2012	HIA	Phase 1 Heritage Impact Assessment Kimberley to De Aar
93185	Elize Becker	1/11/2012	HIA	Phase 1 Heritage Impact Assessment Hotazel to Kimberley and De Aar to Port Ngqura
109090	Johan Binneman	21/08/2012	AIA	A letter of recommendations (with conditions) for the exemption of a full Phase 1 archaeological impact assessment for the proposed Makana Human Settlement project, Alicedale, Makana local municipality, Eastern Cape Province.
129751	Elize Becker	20/02/2013	HIA	Phase 1 Heritage Impact Assessment Hotazel to Kimberley and De Aar to Port of Ngqura
269397	Celeste Booth	2/3/2015	AIA	FibreCo Repeater Sites Routes 3 and 4_Heritage_2015 AIA report





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## APPENDIX 3 - Keys/Guides

### Key/Guide to Acronyms

<b>AIA</b>	Archaeological Impact Assessment
<b>DARD</b>	Department of Agriculture and Rural Development (KwaZulu-Natal)
<b>DEA</b>	Department of Environmental Affairs
<b>DEADP</b>	Department of Environmental Affairs and Development Planning (Western Cape)
<b>DEDEAT</b>	Department of Economic Development, Environmental Affairs and Tourism (Eastern Cape)
<b>DEDECT</b>	Department of Economic Development, Environment, Conservation and Tourism (North West)
<b>DEDT</b>	Department of Economic Development and Tourism (Mpumalanga)
<b>DEDTEA</b>	Department of Economic Development, Tourism and Environmental Affairs (Free State)
<b>DENC</b>	Department of Environment and Nature Conservation (Northern Cape)
<b>DMR</b>	Department of Mineral Resources
<b>GDARD</b>	Gauteng Department of Agriculture and Rural Development (Gauteng)
<b>HIA</b>	Heritage Impact Assessment
<b>LEDET</b>	Department of Economic Development, Environment and Tourism (Limpopo)
<b>MPRDA</b>	Mineral and Petroleum Resources Development Act, no 28 of 2002
<b>NEMA</b>	National Environmental Management Act, no 107 of 1998
<b>NHRA</b>	National Heritage Resources Act, no 25 of 1999
<b>PIA</b>	Palaeontological Impact Assessment
<b>SAHRA</b>	South African Heritage Resources Agency
<b>SAHRIS</b>	South African Heritage Resources Information System
<b>VIA</b>	Visual Impact Assessment

### Full guide to Palaeosensitivity Map legend

<b>RED:</b>	VERY HIGH - field assessment and protocol for finds is required
<b>ORANGE/YELLOW:</b>	HIGH - desktop study is required and based on the outcome of the desktop study, a field assessment is likely
<b>GREEN:</b>	MODERATE - desktop study is required
<b>BLUE/PURPLE:</b>	LOW - no palaeontological studies are required however a protocol for chance finds is required
<b>GREY:</b>	INSIGNIFICANT/ZERO - no palaeontological studies are required
<b>WHITE/CLEAR:</b>	UNKNOWN - these areas will require a minimum of a desktop study.



## APPENDIX 4 - Methodology

The Heritage Screener summarises the heritage impact assessments and studies previously undertaken within the area of the proposed development and its surroundings. Heritage resources identified in these reports are assessed by our team during the screening process.

The heritage resources will be described both in terms of **type**:

- Group 1: Archaeological, Underwater, Palaeontological and Geological sites, Meteorites, and Battlefields
- Group 2: Structures, Monuments and Memorials
- Group 3: Burial Grounds and Graves, Living Heritage, Sacred and Natural sites
- Group 4: Cultural Landscapes, Conservation Areas and Scenic routes

and **significance** (Grade I, II, IIIa, b or c, ungraded), as determined by the author of the original heritage impact assessment report or by formal grading and/or protection by the heritage authorities.

Sites identified and mapped during research projects will also be considered.

### DETERMINATION OF THE EXTENT OF THE INCLUSION ZONE TO BE TAKEN INTO CONSIDERATION

The extent of the inclusion zone to be considered for the Heritage Screener will be determined by CTS based on:

- the size of the development,
- the number and outcome of previous surveys existing in the area
- the potential cumulative impact of the application.

The inclusion zone will be considered as the region within a maximum distance of 50 km from the boundary of the proposed development.

### DETERMINATION OF THE PALAEOONTOLOGICAL SENSITIVITY

The possible impact of the proposed development on palaeontological resources is gauged by:

- reviewing the fossil sensitivity maps available on the South African Heritage Resources Information System (SAHRIS)
- considering the nature of the proposed development
- when available, taking information provided by the applicant related to the geological background of the area into account

### DETERMINATION OF THE COVERAGE RATING ASCRIBED TO A REPORT POLYGON

Each report assessed for the compilation of the Heritage Screener is colour-coded according to the level of coverage accomplished. The extent of the surveyed coverage is labeled in three





categories, namely low, medium and high. In most instances the extent of the map corresponds to the extent of the development for which the specific report was undertaken.

**Low coverage** will be used for:

- desktop studies where no field assessment of the area was undertaken;
- reports where the sites are listed and described but no GPS coordinates were provided.
- older reports with GPS coordinates with low accuracy ratings;
- reports where the entire property was mapped, but only a small/limited area was surveyed.
- uploads on the National Inventory which are not properly mapped.

**Medium coverage** will be used for

- reports for which a field survey was undertaken but the area was not extensively covered. This may apply to instances where some impediments did not allow for full coverage such as thick vegetation, etc.
- reports for which the entire property was mapped, but only a specific area was surveyed thoroughly. This is differentiated from low ratings listed above when these surveys cover up to around 50% of the property.

**High coverage** will be used for

- reports where the area highlighted in the map was extensively surveyed as shown by the GPS track coordinates. This category will also apply to permit reports.

## RECOMMENDATION GUIDE

The Heritage Screener includes a set of recommendations to the applicant based on whether an impact on heritage resources is anticipated. One of three possible recommendations is formulated:

**(1) The heritage resources in the area proposed for development are sufficiently recorded** - The surveys undertaken in the area adequately captured the heritage resources. There are no known sites which require mitigation or management plans. No further heritage work is recommended for the proposed development.

This recommendation is made when:

- enough work has been undertaken in the area
- it is the professional opinion of CTS that the area has already been assessed adequately from a heritage perspective for the type of development proposed

**(2) The heritage resources and the area proposed for development are only partially recorded** - The surveys undertaken in the area have not adequately captured the heritage resources and/or there are sites which require mitigation or management plans. Further specific heritage work is recommended for the proposed development.

This recommendation is made in instances in which there are already some studies undertaken in the area and/or in the adjacent area for the proposed development. Further studies in a limited HIA may include:



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- improvement on some components of the heritage assessments already undertaken, for instance with a renewed field survey and/or with a specific specialist for the type of heritage resources expected in the area
- compilation of a report for a component of a heritage impact assessment not already undertaken in the area
- undertaking mitigation measures requested in previous assessments/records of decision.

**(3) The heritage resources within the area proposed for the development have not been adequately surveyed yet - Few or no surveys have been undertaken in the area proposed for development. A full Heritage Impact Assessment with a detailed field component is recommended for the proposed development.**

**Note:**

The responsibility for generating a response detailing the requirements for the development lies with the heritage authority. However, since the methodology utilised for the compilation of the Heritage Screeners is thorough and consistent, contradictory outcomes to the recommendations made by CTS should rarely occur. Should a discrepancy arise, CTS will immediately take up the matter with the heritage authority to clarify the dispute.

The compilation of the Heritage Screener will not include any field assessment. The Heritage Screener will be submitted to the applicant within 24 hours from receipt of full payment. **If the 24-hour deadline is not met by CTS, the applicant will be refunded in full.**