

The Annual Archaeological Report of the Zulti North Mining Lease

For Richards Bay Minerals

2010

By Gavin Anderson and Louise Anderson

*Umlando: Archaeological Tourism and Resource
Management*

PO Box 102532, Meerensee, 3901

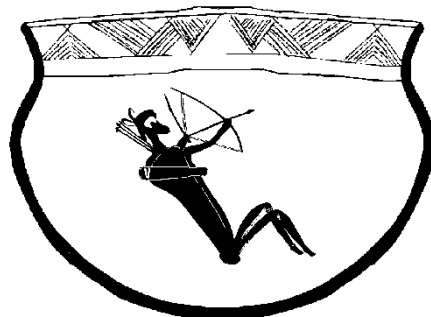


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INTRODUCTION

Umlando was contracted by Richards Bay Minerals (Pty) Ltd to undertake archaeological surveys and excavations in the Zulti North mining lease. These surveys consist of bi-monthly surveys, while excavations occur when needed. A total of 44 new sites were recorded, several sites were continuously monitored and sampled, and 4 sites were excavated. It appears that MPE continues to head towards an archaeologically dense area, whereas the other mines seem to be heading to archaeologically less dense areas.

Some rare artefacts were observed and sampled and one site has high excavation potential.

METHOD

All sites are grouped according to low, medium, and high significance for the purpose of this report. Sites of low significance have no diagnostic artefacts, especially pottery. Sites of medium significance have diagnostic artefacts and these are sampled. Sampling includes the collection of artefacts for future analysis. All diagnostic pottery, such as rims, lips, and decorated sherds are sampled, while bone, stone, and shell are mostly noted. Sampling occurs on most sites. Sites of high significance are excavated and/or extensively sampled. Those sites that are extensively sampled have high research potential, yet poor preservation of features. We attempt to recover as many artefacts from these sites by means of systematic sampling, as opposed to sampling diagnostic artefacts only.

Defining significance

Archaeological sites vary according to significance and several different criteria relate to each type of site. However, there are several criteria that allow for a general significance rating of archaeological sites.

These criteria are:

- 1. State of preservation of:**
 - 1.1. Organic remains:
 - 1.1.1. Faunal
 - 1.1.2. Botanical
 - 1.2. Rock art
 - 1.3. Walling
 - 1.4. Presence of a cultural deposit
 - 1.5. Features:
 - 1.5.1. Ash Features
 - 1.5.2. Graves
 - 1.5.3. Middens
 - 1.5.4. Cattle byres
 - 1.5.5. Bedding and ash complexes
- 2. Spatial arrangements:**
 - 2.1. Internal housing arrangements
 - 2.2. Intra-site settlement patterns
 - 2.3. Inter-site settlement patterns
- 3. Features of the site:**
 - 3.1. Are there any unusual, unique or rare artefacts or images at the site?
 - 3.2. Is it a type site?
 - 3.3. Does the site have a very good example of a specific time period, feature, or artefact?
- 4. Research:**
 - 4.1. Providing information on current research projects
 - 4.2. Salvaging information for potential future research projects
- 5. Inter- and intra-site variability**

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

6. Archaeological Experience:

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

7. Educational:

- 7.1. Does the site have the potential to be used as an educational instrument?
- 7.2. Does the site have the potential to become a tourist attraction?
- 7.3. The educational value of a site can only be fully determined after initial test-pit excavations and/or full excavations.

The more a site can fulfil the above criteria, the more significant it becomes. Test-pit excavations are used to test the full potential of an archaeological deposit. These test-pit excavations may require further excavations if the site is of significance. Sites may also be mapped and/or have artefacts sampled as a form of mitigation. Sampling normally occurs when the artefacts may be good examples of their type, but are not in a primary archaeological context. Mapping records the spatial relationship between features and artefacts.

RESULTS

Surveys

MINING POND A

MPA 41

MPA 41 is located on the first dune cordon from the sea. It consists of EIA and LIA pottery on the surface. There are several middens on the surface and these are mostly in a secondary context. One midden with burnt shell is still in a primary context. The middens consist mainly of *Perna perna* and oyster, although there is a higher occurrence of *Patella spp.* at this site in comparison to other sites in the area. There also scatters of faunal remains and slag across the site. A near complete goat skeleton was observed and sampled.

The pottery is related several phases: Mzonjani and Ntshekane for the EIA, and then Group 7 and historical Period.

The site is of medium significance and will be monitored and sampled.

MINING POND C

MPC 90

MPC 90 is located just south of the current location of MPC. It consists of two small shell middens, mainly brown mussel and *Patella spp.* One hammer stone and some white beach sandstone grinding stone fragments were noticed on the surface.

The site is of low significance and no further mitigation is required.

MPC 91

MPC 91 is located approximately 200m further towards the ocean, from MPC 90, on the first dune cordon from the sea. It was exposed by bush clearance, but the surface shell is still visible. The site consists of two, now dispersed, middens. The middens consist mainly of brown mussel.

The site is of low significance and no further mitigation is required.

MPC 92

MPC 92 is located on the beach road, near the current location of MPC. It consists of a single brown mussel midden in the middle of the track.

The site is of low significance and no further mitigation is required.

MPC 93

MPC 93 is located close to MPC 92, on the second dune cordon from the beach. The site consists of an intact midden next to the road. The midden is mainly brown mussel and limpets. There is lots of pottery scattered on the surface, also grinding stones.

The site is of medium significance and should be mitigated.

Mitigation: Test pits, sampling and monitoring.

MPC 94

MPC 94 is located approximately 150m further along the same track as MPC 93. The site consists of what appears to be at least three intact middens, mainly brown mussel. There're also grinding stones on the surface.

The site is of medium significance and should be mitigated.

Mitigation: Test pits, sampling and monitoring.

MPC 95

MPC 95 is located on the first dune cordon, close to the current location of MPC. It consists of a dispersed shell midden, of mainly brown mussel, exposed by road clearance.

The site is of low significance and no further mitigation is required

MINING POND D

MPD 89

MPD 89 is located on the new road between MPD and MPC. It consists of a single shell midden, mainly *P. Perna* and oyster. 1x upper grinding stone was also recorded.

The site is of low significance.

No further mitigation is required.

MPD 90

MPD 90 is located close to the current location of MPD. The site consists of a scatter of surface pottery. Some shell does occur on the surface, but it's too dispersed to refer to it as a midden.

The site is of low significance.

No further mitigation is required.

MPD 91

MPD 91 is located close to the current location of MPD, on the first dune cordon from the ocean. The site consists of a single shell midden, wbs grinding stone fragments and thick-walled potsherds. More middens probably occur, since the surface shell scatter is quite extensive.

The site is of medium significance.

The site will be monitored for human remains.

MPD 92

MPD 92 is located on the first large dune cordon from the ocean. The site consists of an ephemeral scatter of *P. perna* and one lower grinding stone fragment.

The site is of low significance.

No further mitigation is required.

MPD 93

MPD 93 is located close to the current location of MPD, in a valley between two dune cordons, just off the main ADT road. It consists of an ephemeral scatter of shell on the surface.

The site is of low significance and no further mitigation is required.

MPD 94

MPD 94 is located on a high dune close to the current location of MPD. It consists of one large shell midden and several smaller middens, mainly *P. perna*, oyster and limpet. On the surface there is a scatter of thin walled pottery with black and red burnish (Group 5), bovid bone and grinding stones.

The site is of low significance, but will be monitored regardless.

MPD 95

MPD 95 is located just west of the current location of MPD, on a high dune. It consists of at least five shell middens of *Perna perna*, oyster and limpet. Pottery and grinding stones occur on the surface. There are no visible faunal remains, but the site could yield some human remains.

The site is of medium significance and will be monitored.

MPD 96

MPD 96 is located between two high dunes, in a valley. It was exposed by bush clearance, but the surface shell is still visible. The site consists of one, now dispersed, midden. The midden consists mainly of brown mussel. An upper grinding stone and an ephemeral scatter of pottery are visible on the surface.

The site is of low significance and no further mitigation is required.

MINING POND E

MPE 95

MPE 95 is located on the first dirt road to your right when driving towards Sokhulu Reservoir from the direction of the main road. The site is over a 10m radius, on a relatively flat area, at the top of the dune. It consists of concentrations of undecorated pottery and shell. The shell is mostly *P. perna* with some oyster and limpet. One upper grinding stone and one broken lower grinding stone were also noted.

The site is of low significance and no further mitigation is required.

MPE 96

MPE 96 is located on the road towards MPE 93, driving westwards. The site consists of two small shell middens, mainly *P. perna* and various adiaagnostic potsherds

The site is of low significance and no further mitigation is required.

MPE 97

MPE 97 is located on both sides of the road towards MPE 93, driving westwards, at the top of the first dune from Lake Nhlabane. The site consists of a scatter of shell and artefacts exposed by bush clearance. There are at least two shell middens (*P. perna* and *Patella* spp.) There are several adiaagnostic potsherds and a lower grinding stone fragment.

The site is of low significance and no further mitigation is required.

MPE 98

MPE 99 is located on the high dune adjacent to the current MPE car park. It consists of a single shell patch in a grey ash, only *P. Perna*. The pottery is thin walled and mostly undecorated, except for one shell impressed rim. Both upper and lower grinding stones were recorded.

The site is of low significance and no further mitigation is required.

MPE 99

MPE 99 is located on the first dune cordon from Lake Nhlabane. The site consists of patches of *P. Perna*, slag, tuyeres, decorated and undecorated pottery.

The site is of medium significance and will be monitored for human remains.

MPE 100

MPE 100 is located on the first main dune from the ocean. The site consists of an ephemeral scatter of *P. Perna*.

The site is of low significance and no further mitigation is required

MPE 101

MPE 101 is a small smelting site located on the first dune from Lake Nhlabane. It consists of a surface scatter of shell, tuyere fragments, slag, possible human bone, pottery and grinding stones.

The site is of medium significance and will be monitored.

MPE 102

MPE 102 is located on the very top of the first high dune, from the interior. It consists of at least three shell middens, pottery and bovid bone.

The site is of low significance and no further mitigation is required.

MPE 103

MPE 103 is located on the road past Sokhulu Reservoir. It consists of a dispersed brown mussel midden and an ephemeral scatter of pottery.

The site is of low significance and no further mitigation is required.

MPE 104

MPE 104 is located NW of MPE 103. It consists of an *in situ* brown mussel midden, with some oyster. A juvenile human burial was located at this site. There is also a surface scatter of pottery, white beach sandstone grinding stone fragments, grinding stones and bovid bone.

The site is of high significance due to the human burial. Both the burial and the midden were excavated and will be monitored in future.

MPE 105

MPE 105 is located 50 m east of MPE 104. It consists of a single shell midden and an ephemeral scatter of pottery.

The site is of low significance and no further mitigation is required.

MPE 106

MPE 106 is located 100 m uphill from the Sokhulu Reservoir. It consists of a scatter of brown mussel and pottery on the surface.

The site is of low significance and no further mitigation is required.

MPE 107

MPE 107 is located approximately 300 m east of MPE 106. It consists of a single dispersed midden, mainly brown mussel and an ephemeral scatter of surface pottery.

The site is of low significance and no further mitigation is required.

MPE 108

MPE 108 is located approximately 400 m north of MPE 107. It's an extensive site that forms a general settlement with MPE 109 and MPE 110. It consists of at least 4 shell middens, surface pottery, smoothed pebbles and bone.

The site is of medium significance and will need to be mitigated in the form of test-pits.

MPE 109

MPE 109 is located in the same area as MPE 108 and MPE 110. It consists of a scatter of surface shell, pottery and possible human remains fragments.

The site forms part of the previously mentioned settlement and will need to be excavated.

The site is of medium significance, possibly high significance, if the human remains can be located.

MPE 110

MPE 110 is located close to MPE 108 and MPE 109. It forms part of the same extensive settlement and consists of an old kraal and some surface pottery and shell.

The site is of medium significance and should be excavated.

MPE 111

MPE 111 is located on the second dune cordon from the beach. It consists of an open, grassy area, grinding stones on the surface, as well as white beach sandstone grinding stone fragments and an oyster midden. The grassed area appears to be a historical kraal.

The site is of low significance and no further mitigation is required.

MPE 112

MPE 112 is located approximately 200 m west of Sokhulu Reservoir. It consists of a dispersed brown mussel midden, surface pottery and white beach sandstone grinding stone fragments.

The site is currently of low significance, but should be monitored in future, to remain certain that there is no change in significance as more of the site is exposed.

MPE 113 (Previously recorded as MPE 91)

MPE 113 (MPE 91) is located near MPE 107. It consists of an *in situ* shell midden, mainly brown mussel, as well as surface pottery, bone and several upper grinding stones.

The site is of medium significance and was mitigated in the form of test pits in December 2010. Further excavations, however, are needed.

MPE 114

MPE 114 is located close to MPE 113. It consists of several dispersed shell middens over two levels of a high dune, mainly brown mussel.

The site is of low significance and no further mitigation is required.

MPE 115

MPE 115 is located approximately 150 m West of MPE 111. It consists of a partially intact shell midden, very deep below the surface. The midden is ~2m below the surface and was exposed by the road cutting. There are some burnt shell and pottery visible in the slumped area.

The site is of low significance and no further mitigation is required.

MPE 116

MPE 116 is located 140 m East of MPE 107. It consists of an intact shell midden, mainly brown mussel and pottery.

The site is of low significance and no further mitigation is required.

AMS

AMS 21

AMS 21 is located to the left of the road that leads to the current MPE car park.

It consists of a shell midden, the remains of a furnace, pottery, bone and upper grinding stones.

The site is of medium significance and was sampled.

It will be monitored for as long as it remains.

AMS 22

AMS 22 is located on the first dune cordon from the beach, near the current location of MPD.

It consists of a shell patch and upper grinding stones.

The site is of low significance and no further mitigation is required.

AMS 23

AMS 23 is located close to the current location of AMS C, on a high dune. It consists of a scatter of brown mussel.

The site is of low significance and no further mitigation is required.

AMS 24

AMS 24 is located on the saddle between two high dunes above the current location of AMS C. It consists of at least four dispersed middens, whelk, burnished pottery, smoothed pebbles, an upper grinding stone and white beach sandstone grinding stone fragments on the surface.

The site is of low significance and no further mitigation is required.

RED DUNES

RD 001

RD001 is located in the red dunes, inland from the main RBM dunes. The site probably extends into the adjacent bush, but is only visible in the road cutting. It consists of a single brown mussel midden.

The site is of low significance and no further mitigation is required.

RD 002

RD 002 is located in the red dunes, inland from the main RBM dunes. It is visible in the road cutting of a track that leads to the L622 to Maphelane.

The site consists of a single brown mussel midden and an ephemeral scatter of pottery.

The site is of low significance and no further mitigation is required.

RD 003

RD 003 is located on the same track as RD 002. It occurs for approximately 130m along this track towards the L622 and 180m westwards along the next track.

It consists of an extensive scatter of pottery, shell fragments, wbs fragments, ugs's and bone. The bone is possibly human, but the fragment is too small to be sure.

The pottery is thin walled with a black burnish and also thick walled with a red burnish. There are some decorated sherds, possibly Mzonjani/Tsonga.

The site is of medium significance and would need to be monitored, at least, but most likely we'll do some test-pits.

Excavations

In total 4 sites were excavated in 2010. The excavated material is currently being cleaned, sorted, analyzed and data based. Once this process is complete a full excavation report will be submitted, along with the database, to RBM, KZN Heritage and the Natal Museum.

MPC 093

The site was divided into 3, 1mx1m squares in an area of dense surface shell.

The top 5cm was removed as Surface onto a shell layer. This shell layer was removed as Lens 1 and consisted of compacted brown mussel, pottery and very little charcoal, in a grey ash. The midden was completely removed and no further mitigation is required.

MPE 104

The site was marked for test-pits during the October 2010 survey. Test-pits were done in November and the skeletal remains of a juvenile human was excavated and removed.

After the removal of the burial, 12, 1mx1m squares, were excavated in close vicinity. After the Surface was removed a large shell midden was exposed and completely removed as Lens 1. A Below Lens 1 layer was also excavated. Lens 1 was a densely compacted brown mussel midden, with some pottery and charcoal in a grey/black ash.

Although excavations on this site are complete, it will still be monitored in future.

MPE 093b

This site was initially recorded as a large shell midden adjacent to what was then just a smallish track. Subsequent to this the track was widened and now serves as a main access road to the ponds.

A large portion of the original midden was lost in the process.

6, 1mx1m squares were excavated. A Surface layer was removed, then an Above Lens 1, Lens 1 and a Below Lens 1. Here, Lens 1 consisted of a loose layer of brown mussel and very little else.

Excavation is complete and no further mitigation is required.

MPE 91

This site was divided into 32, 1mx1m squares, forming a large rectangle. The squares on the outer edges were excavated first working our way towards the obvious shell midden located roughly in the centre of the rectangle.

The outer squares yielded large amounts of pottery, some upper and lower grinding stones and bovid bone.

The midden itself turned out to be several lenses deposited over a period of time. The lenses were not completely removed as it extends across a main access road. An alternative road will have to be made over the completed part of the site so that the excavations may continue without interfering with access.

CONCLUSION

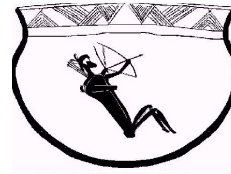
Umlando surveyed, monitored, and excavated various sites in the RBM mining lease in 2010. 44 new sites were recorded, several sites were monitored, a human skeleton was excavated and removed and 4 sites were excavated. Most of the sites were sampled.

Currently we are cleaning, sorting, analyzing and data basing the excavated material. As soon as that is completed a full excavation report along with the database will be submitted to RBM, KZN Heritage and the Natal Museum as per agreement.

The survey results and management of the sites is in accordance with the KZN Heritage Act.

APPENDIX A
SITE RECORD FORMS

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age: x

Late Iron Age: x

Historical Period: x

Recorder's Site No.: MPA 41

Official Name:

Local Name:

Map Sheet:

GPS reading: S 28 37 29.1 E: 32 17 46.1 Alt: 62m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

The site is located on the 2nd dune from the sea.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: Yes

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 31/08/2010

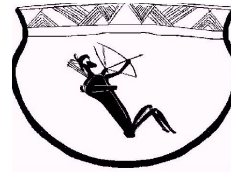
Owner:

References:

Description of site and artefactual content.

The site consists of EIA and LIA pottery, several shell middens, some patella, bone, slag and a Goat skeleton.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period:

Recorder's Site No.: MPC 90

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 35.457 E: 32 20.304 Alt: 66m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPC 90 is located just south of the current location of MPC.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 10/09/2010

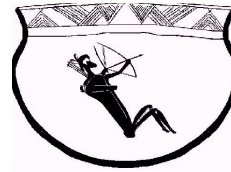
Owner:

References:

Description of site and artefactual content.

It consists of 2x small shell middens, mainly brown mussel and *Patella* spp. 1x Hammer stone and some wbs fragments were noticed on the surface.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



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& Resource Management
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Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age:

Historical Period: x

Recorder's Site No.: MPC 91

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 35.568 E: 32 20.281 Alt: 59m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPC 91 is located approximately 200m further towards the ocean, from MPC 90, on the first dune cordon from the sea.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 10/09/2010

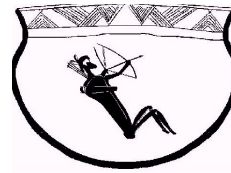
Owner:

References:

Description of site and artefactual content.

It was levelled by bush clearance, but surface shell is still visible. The site consists of 2x, now dispersed, middens. The middens consist mainly of brown mussel.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



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SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period: x

Recorder's Site No.: MPC 92

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 35.445 E: 32 20.392 Alt: 49m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPC 92 is located on the beach road, near the current location of MPC.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 10/09/2010

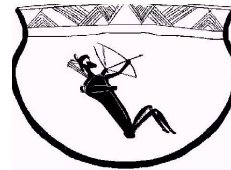
Owner:

References:

Description of site and artefactual content.

It consists of a single brown mussel midden in the middle of the track.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age: x?

Late Iron Age: x

Historical Period:

Recorder's Site No.: MPC 93

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 35.357 E: 32 20.429 Alt: 63m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPC 93 is located close to MPC 92, on the second dune cordon from the beach.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: Yes. Test pits, sampling and monitoring.

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 10/09/2010

Owner:

References:

Description of site and artefactual content.

The site consists of an intact midden next to the road. The midden is mainly brown mussel and limpets. There is lots of pottery scattered on the surface, also grinding stones.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period:

Recorder's Site No.: MPC 94

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 35.297 E: 32 20.454 Alt: 65m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPC 94 is located approximately 150m further along the same track as MPC 93.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: Yes. Test pits, sampling and monitoring.

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 10/09/2010

Owner:

References:

Description of site and artefactual content.

The site consists of what appears to be at least 3x intact middens, mainly brown mussel. There're also grinding stones on the surface.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period: x

Recorder's Site No.: MPC 95

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 35.623 E: 32 20.173 Alt: 78 m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPC 95 is located on the first dune cordon, close to the current location of MPC. It consists of a dispersed shell midden, mainly brown mussel, exposed by road clearance.

SITE DESCRIPTION:

Type of Site: Open. Midden

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 21/10/10

Owner:

References:

Description of site and artefactual content.

It consists of a dispersed shell midden, mainly brown mussel, exposed by road clearance.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period:

Recorder's Site No.: MPD 89

Official Name:

Local Name:

Map Sheet:

GPS reading: S; 28 35.308 E: 32 20.293 Alt: 49m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

The site is located on the new road between MPD and MPC.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 09 March 2010

Owner:

References:

Description of site and artefactual content.

Site consists of a single shell midden, mainly P. Perna and oyster. 1x ugs was also recorded.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period:

Recorder's Site No.: MPD 90

Official Name:

Local Name:

Map Sheet:

GPS reading: S; 28 34 08.4 E: 32 20 49.5 Alt: 74m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

The site is located close to the current location of MPD

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 30 April 2010

Owner:

References:

Description of site and artefactual content.

The site consists of a scatter of surface pottery. Some shell does occur on the surface, but it's too dispersed to refer to it as a midden.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period:

Recorder's Site No.: MPD 91

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 34 15.6 E: 32 20' 57.5 Alt: 61m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

The site is located close to the current location of MPD, on the first dune cordon from the ocean.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: Yes. Monitor.

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 30 April 2010

Owner:

References:

Description of site and artefactual content.

The site consists of a single shell midden, wbs grinding stone fragments and thick-walled potsherds. More middens probably occur, since the surface shell scatter is quite extensive.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age:

Historical Period: x

Recorder's Site No.: MPD 92

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 35 10.2 E: 32 20' 30.6 Alt: 55m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

The site is located on the first large dune cordon from the ocean.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 30 April 2010

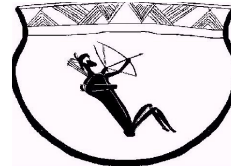
Owner:

References:

Description of site and artefactual content.

The site consists of an ephemeral scatter of *P. perna* and one lower grinding stone fragment.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period:

Recorder's Site No.: MPD 93

Official Name:

Local Name:

Map Sheet:

GPS reading: S; 28 35.300" E: 32 20.327" Alt: 40m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

The site is located close to the current location of MPD, in a valley between two dune cordons, just off the main ADT road.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 21 May 2010

Owner:

References:

Description of site and artefactual content.

The site consists of an ephemeral scatter of surface shell.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x?

Historical Period: x

Recorder's Site No.: MPD 94

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 34.195 E: 32 20.934 Alt: 45m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

The site is located close to the current location of MPD, on a high dune.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: Yes. Monitor.

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 15 June 2010

Owner:

References:

Description of site and artefactual content.

The site consists of one large shell midden and several smaller middens, mainly *P. perna*, oyster and limpet. On the surface there is a scatter of thin walled pottery with black and red burnish (Group 5), bovid bone and grinding stones.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period:

Recorder's Site No.: MPD 95

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 34 10.1 E: 32 20 55.7 Alt: 66m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

The site is located on the high dune just west of the current location of MPD.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: Yes, it was sampled.

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 27/07/2010

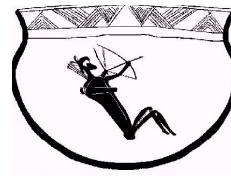
Owner:

References:

Description of site and artefactual content.

The site consists of at least 5x middens of perna perna, limpet and oyster. There're lots of grinding stones on the surface. No visible bone, but monitor for human remains.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period:

Recorder's Site No.: MPD 96

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 35.103 E: 32 20.421 Alt: 39 m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPC 96 is located between two high dunes, in a valley. It was exposed by bush clearance, but the surface shell is still visible.

SITE DESCRIPTION:

Type of Site: Open. Midden.

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 27/10/10

Owner:

References:

Description of site and artefactual content.

The site consists of one, now dispersed, midden. The midden consists mainly of brown mussel. An ugs and an ephemeral scatter of pottery are visible on the surface.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM

SITE CATEGORY: (X where applicable)

Stone Age

Early Iron Age:

Late Iron Age x

Historical Period:?

Recorder's Site No.: MPE 95

Official Name:

Local Name:

Map Sheet:

Map Reference: S 28' 33.128 E 32 21.007 (Alt.) 58m)

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPE 95 is located on the first dirt road to your right when driving towards Sokhulu Reservoir from the direction of the main road.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: No

Threats: yes

What threats: RBM mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 19 February 2010

Owner: State

References:

DESCRIPTION OF SITE AND ARTEFACTUAL CONTENT

The site is over a 10m radius, on a relatively flat area, at the top of the dune. It consists of concentrations of undecorated pottery and shell. The shell is mostly *P. perna* with some oyster and limpet. One upper grinding stone and one broken lower grinding stone were also noted.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM

SITE CATEGORY: (X where applicable)

Stone Age

Early Iron Age:

Late Iron Age X

Historical Period:?

Recorder's Site No.: MPE 96

Official Name: Bantu Reserve No.4 7638

Local Name:

Map Sheet: 2832CA KwaMbonambi

Map Reference: S 28' 33.149 E 32 21.702 (alt = 109m)

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPE 96 is located on the road towards MPE 93, driving westwards.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: No

Threats: yes

What threats: RBM mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 19 February 2010

Owner: State

References:

DESCRIPTION OF SITE AND ARTEFACTUAL CONTENT.

The site consists of two small shell middens, mainly *P. perna* and various adiagnostic potsherds.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM

SITE CATEGORY: (X where applicable)

Stone Age

Early Iron Age:

Late Iron Age ?

Historical Period:?

Recorder's Site No.: MPE 97

Official Name: Bantu Reserve No.4 7638

Local Name:

Map Sheet: 2832CA KwaMbonambi

Map Reference: S 28 33.054 E 32 21.407 (alt = 94m)

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPE 97 is located on both sides of the road towards MPE 93, driving westwards, at the top of the first dune from Lake Nhlabane.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: No

Threats: yes

What threats: RBM mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 19 February 2010

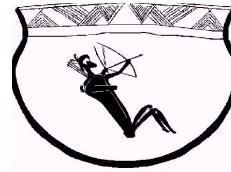
Owner: State

References:

DESCRIPTION OF SITE AND ARTEFACTUAL CONTENT.

The site consists of a scatter of shell and artefacts exposed by bush clearance. There are at least two shell middens (*P. perna* and *Patella* spp.) There are several adiaagnostic potsherds and a lower grinding stone fragment.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period: x

Recorder's Site No.: MPE 98

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 33' 13.9" E: 32 20' 46.8" Alt: 63m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

The site is located on the high dune adjacent to the current MPE car park.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: No

Threats: Yes

What threats: MPE Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 09 March 2010

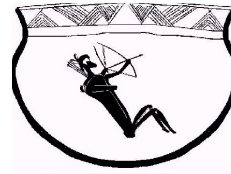
Owner:

References:

Description of site and artefactual content.

Site consists of a single shell patch, in a grey ash. The pottery is thin walled and mostly undecorated except for 1x shell impressed rim sherd. Both ugs's and lgs's were recorded.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period:

Recorder's Site No.: MPE 99

Official Name:

Local Name:

Map Sheet:

GPS reading: S; 28 33 02.0 E: 32 21 08.4 Alt: 45m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

The site is located on the first dune cordon from Lake Nhlabane.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: Yes. Monitor.

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 30 April 2010

Owner:

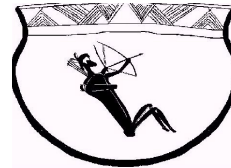
References:

Description of site and artefactual content.

The site consists of patches of *P. Perna*, slag, tuyeres, decorated and undecorated pottery.

The pottery decorations consist of a tapered rim with circular impressions at the base of the neck.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age:

Historical Period: x

Recorder's Site No.: MPE 100

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 33 05.0 E: 32 21 55.9 Alt: 138m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

The site is located on the first dune cordon from the ocean.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: No.

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 30 April 2010

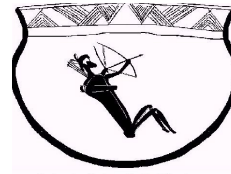
Owner:

References:

Description of site and artefactual content.

The site consists of an ephemeral scatter of shell.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period:

Recorder's Site No.: MPE 101

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 33 05.1 E: 32 21 08 Alt: 61m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

The site is located on the first dune cordon from Lake Nhlabane.

SITE DESCRIPTION:

Type of Site: Smelting

Merits conservation: Yes

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 16 June 2010

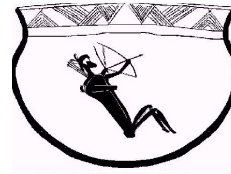
Owner:

References:

Description of site and artefactual content.

The site consists of a surface scatter of shell, tuyere fragments, slag, possible human bone, pottery and grinding stones.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period:

Recorder's Site No.: MPE 102

Official Name:

Local Name:

Map Sheet:

GPS reading: S 28 32 57.7 E: 32 21 27.8 Alt: 111m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

Follow the "in" road to MPE dunes, turn right at the sharp bend. The site is located on the very top of the first high dune from the current location of MPE.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 13/08/2010

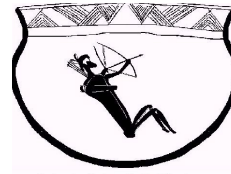
Owner:

References:

Description of site and artefactual content.

The site consists of at least 3x shell middens, pottery and bovid bone.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period:

Recorder's Site No.: MPE 103

Official Name:

Local Name:

Map Sheet:

GPS reading: S 28 32.585 E: 32 22.167 Alt: 100m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPE 103 is located on the road past Sokhulu Reservoir.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 20/10/2010

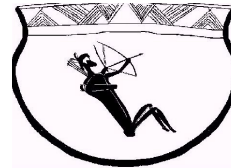
Owner:

References:

Description of site and artefactual content.

The site consists of a dispersed brown mussel midden and an ephemeral scatter of pottery.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age:

Historical Period: x

Recorder's Site No.: MPE 104

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 32.532 E: 32 22.182 Alt: 96 m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPE 104 is located NW of MPE 103.

SITE DESCRIPTION:

Type of Site: Open. Middens. Burial.

Merits conservation: Yes. Test pits

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: Yes. Digital.

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 20/10/10

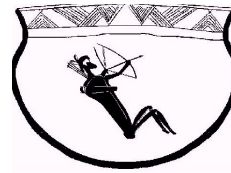
Owner:

References:

Description of site and artefactual content.

It consists of an *in situ* brown mussel midden, with some oyster. A juvenile human burial was located at this site. There is also a surface scatter of pottery, wbs fragments, grinding stones and bovid bone.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period: x

Recorder's Site No.: MPE 105

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 32.560 E: 32 22.200 Alt: 96m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPE 105 is located 50 m East of MPE 104.

SITE DESCRIPTION:

Type of Site: Open. Midden.

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 20/10/10

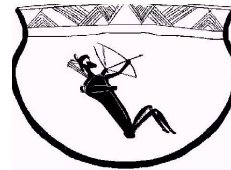
Owner:

References:

Description of site and artefactual content.

It consists of a single shell midden and an ephemeral scatter of pottery.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period: x

Recorder's Site No.: MPE 106

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 32.422 E: 32 22.217 Alt: 94 m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

100 m uphill from Sokhulu Reservoir.

SITE DESCRIPTION:

Type of Site: Open. Midden.

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 20/10/10

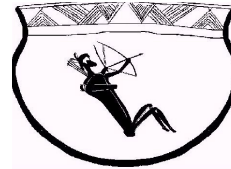
Owner:

References:

Description of site and artefactual content.

It consists of a scatter of brown mussel and pottery on the surface.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age:

Historical Period: x

Recorder's Site No.: MPE 107

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 32.506 E: 32 22.327 Alt: 124 m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPE 107 is located approximately 300 m East of MPE 106.

SITE DESCRIPTION:

Type of Site: Open. Midden.

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 20/10/10

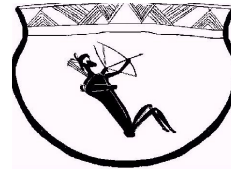
Owner:

References:

Description of site and artefactual content.

It consists of a single dispersed midden, mainly brown mussel and an ephemeral scatter of surface pottery.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period: x

Recorder's Site No.: MPE 108

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 32.272 E: 32 22.389 Alt: 134 m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPE 108 is located approximately 400 m North of MPE 107.

SITE DESCRIPTION:

Type of Site: Open. Midden.

Merits conservation: Yes. Test-pits.

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 20/10/10

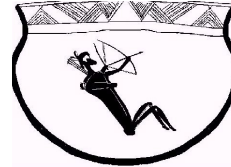
Owner:

References:

Description of site and artefactual content.

It's an extensive site that forms a complex with MPE 109 and MPE 110. It consists of at least 4 shell middens, surface pottery, smoothed pebbles and bone.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age:

Historical Period: x

Recorder's Site No.: MPE 109

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 32.304 E: 32 22.393 Alt: 142 m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPE 109 is located in the same area as MPE 108 and MPE 110.

SITE DESCRIPTION:

Type of Site: Open. Midden. Possible grave.

Merits conservation: Yes. Test-pits.

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 20/10/10

Owner:

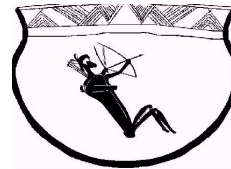
References:

Description of site and artefactual content.

It consists of a scatter of surface shell, pottery and possible human remains fragments.

The site forms part of the previously mentioned complex and will need to be excavated.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
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Ph: 035-751785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age:

Historical Period: x

Recorder's Site No.: MPE 110

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 32.260 E: 32 22.416 Alt: 135 m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPE 110 is located close to MPE 108 and MPE 109

SITE DESCRIPTION:

Type of Site: Open. Kraal. Midden.

Merits conservation: Yes

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 20/10/10

Owner:

References:

Description of site and artefactual content.

It forms part of the same extensive complex and consists of an old kraal and some surface pottery and shell.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age:

Historical Period: x

Recorder's Site No.: MPE 111

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 32 24.6 E: 32 22 35.1 Alt: 112 m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

SITE DESCRIPTION:

Type of Site: Open. Midden.

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 20/10/10

Owner:

References:

Description of site and artefactual content.

It consists of an open, grassy area, grinding stones on the surface, as well as wbs fragments and an oyster midden.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period: x

Recorder's Site No.: MPE 112

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 32.605 E: 32 21.979 Alt: 92 m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPE 112 is located approximately 200 m west of Sokhulu Reservoir.

SITE DESCRIPTION:

Type of Site: Open. Midden.

Merits conservation: Monitor

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 20/10/10

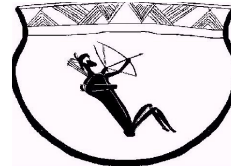
Owner:

References:

Description of site and artefactual content.

It consists of a dispersed brown mussel midden, surface pottery and WBS fragments.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period: x

Recorder's Site No.: MPE 113 (Previously recorded as MPE 91)

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 32.618 E: 32 22.136 Alt: 106 m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPE 113 is located near MPE 107.

SITE DESCRIPTION:

Type of Site: Open. Midden.

Merits conservation: Test-pits

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 27/10/10

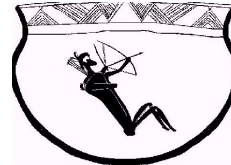
Owner:

References:

Description of site and artefactual content.

It consists of an *in situ* shell midden, mainly brown mussel, as well as surface pottery, bone and an ugs.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
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Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period: x

Recorder's Site No.: MPE 114

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 32.663 E: 32 22.259 Alt: 124 m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPE 114 is located close to MPE 113. It consists of several dispersed shell middens over two levels of a high dune, mainly brown mussel.

SITE DESCRIPTION:

Type of Site: Open. Midden.

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 27/10/10

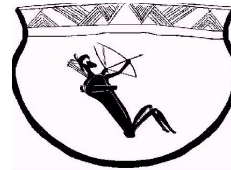
Owner:

References:

Description of site and artefactual content.

It consists of several dispersed shell middens over two levels of a high dune, mainly brown mussel.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period: x

Recorder's Site No.: MPE 115

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 32.663 E: 32 22.259 Alt: 124 m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPE 115 is located approximately 150 m West of MPE 111.

SITE DESCRIPTION:

Type of Site: Midden

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: Yes. Digital.

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 28/10/10

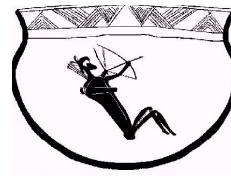
Owner:

References:

Description of site and artefactual content.

It consists of a partially intact shell midden, very deep below the surface. It is in fact only visible due to the road cutting. There are some burnt shell and pottery visible.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
P.O. Box 102532, Meer-en-See, 3901
Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period: x

Recorder's Site No.: MPE 116

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 32.592 E: 32 22.393 Alt: 124 m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

MPE 116 is located 140 m East of MPE 107.

SITE DESCRIPTION:

Type of Site: Midden.

Merits conservation: Test-pits

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 28/10/10

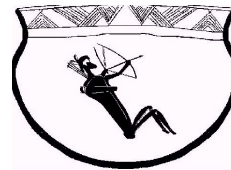
Owner:

References:

Description of site and artefactual content.

It consists of an intact shell midden, mainly brown mussel and pottery.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
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Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period: x

Recorder's Site No.: AMS 21

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 33' 04.7" E: 32 20' 51.1" Alt: 45m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

The site is located on the left of the road that leads to the current MPE car park.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: Yes. Monitor.

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 09 March 2010

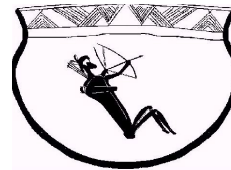
Owner:

References:

Description of site and artefactual content.

Site consists of at least 1x shell midden, the remains of a furnace, Group 6? Pottery, bovid bone and upper grinding stones.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
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Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period:

Recorder's Site No.: AMS 22

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 34 51.5 E: 32 20' 54.5 Alt: 55m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

The site is located on the first large dune cordon from the ocean.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 30 April 2010

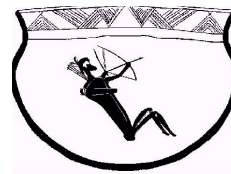
Owner:

References:

Description of site and artefactual content.

The site consists of an ephemeral scatter of *P. perna* and one upper grinding stone fragment.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
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SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period:

Recorder's Site No.: AMS 23

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 34 14.8 E: 32 21 00.8 Alt: 51 m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

AMS 23 is located close to the current location of AMS C, on a high dune

SITE DESCRIPTION:

Type of Site: Open.

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 21/10/10

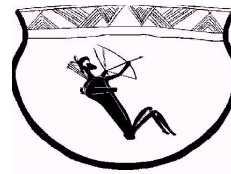
Owner:

References:

Description of site and artefactual content.

It consists of a scatter of brown mussel.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
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Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age: x

Historical Period:

Recorder's Site No.: AMS 24

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 34 06.9 E: 32 21 07.2 Alt: 89 m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

AMS 24 is located on the saddle between two high dunes above the current location of AMS C.

SITE DESCRIPTION:

Type of Site: Open.

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 21/10/10

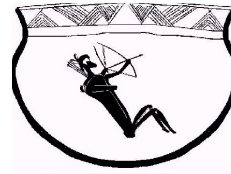
Owner:

References:

Description of site and artefactual content.

It consists of at least four dispersed middens, also whelk, burnished pottery, smoothed pebbles, an ugs and wbs fragments on the surface.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
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Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age:

Historical Period: x

Recorder's Site No.: RD 001

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 32 22.6 E: 32 21 12.7 Alt: 43m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

RD001 is located in the red dunes, inland from the main RBM dunes. The site probably extends into the adjacent bush, but is only visible in the road cutting.

SITE DESCRIPTION:

Type of Site: Open. Midden

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 06/12/2010

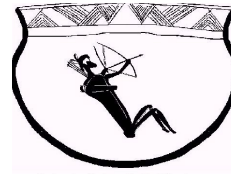
Owner:

References:

Description of site and artefactual content.

It consists of a single brown mussel midden.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
& Resource Management
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Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age:

Late Iron Age:

Historical Period: x

Recorder's Site No.: RD 002

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 32 10.3 E: 32 21 19.2 Alt: 48m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

RD 002 is located in the red dunes, inland from the main RBM dunes. It is visible in the road cutting of a track that leads to the L622 to Maphelane.

SITE DESCRIPTION:

Type of Site: Open. Midden.

Merits conservation: No

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 06/12/2010

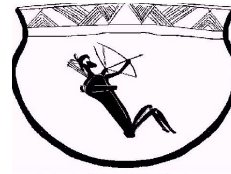
Owner:

References:

Description of site and artefactual content.

The site consists of a single brown mussel midden and an ephemeral scatter of pottery.

UMLANDO ARCHAEOLOGICAL SITE RECORD FORM



Umlando: Archaeological Tourism
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Ph: 035-7531785 / 0836585362 / 0723481327

SITE CATEGORY: (X where applicable)

Stone Age:

Early Iron Age: x

Late Iron Age: ?

Historical Period: x

Recorder's Site No.: RD 003

Official Name:

Local Name:

Map Sheet:

GPS reading: S: 28 32 08.5 E: 32 21 17.0 Alt: 45m

DIRECTIONS TO SITE: SKETCH OR DESCRIPTION.

RD 003 is located on the same track as RD 002. It occurs for approximately 130m along this track towards the L622 and 180m westwards along the next track.

SITE DESCRIPTION:

Type of Site: Open

Merits conservation: Yes. Monitor and test-pits.

Threats: Yes

What threats: RBM Mining

RECORDING:

Graphic record: None

Digital pictures:

Tracings :

Re-drawings:

Recorder/Informant: Name: Gavin and Louise Anderson

Address: PO Box 102532, Meerensee, 3901

Date: 06/12/2010

Owner:

References:

Description of site and artefactual content.

It consists of an extensive scatter of pottery, shell fragments, wbs fragments, ugs's and bone. The bone is possibly human, but the fragment is too small to be sure.

The pottery is thin walled with a black burnish and also thick walled with a red burnish. There are some decorated sherds, possibly Mzonjani/Tsonga.

The site is of medium significance and would need to be monitored, at least, but most likely we'll do some test-pits