

9/19/02 S/BOUR

**PHASE 1 ARCHAEOLOGICAL IMPACT ASSESSMENT
PROPOSED SUBDIVISION OF ERF 3462 & ERF 3463
BETTYS BAY**

Prepared for

DOUG JEFFERYS ENVIRONMENTAL CONSULTANT

By

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**NOVEMBER
2002**

Executive summary

Early Stone Age tools were located during a Phase 1 Archaeological Impact Assessment of the proposed subdivision of Erf 3462 and Erf 3463 Betty's Bay, on the southern Cape coast.

The proposed development of the erven comprises residential development.

Provision is also made for public open space.

The tools, comprising mainly large unmodified flakes, chunks and cleavers, were located on the steep, vegetated mountain slopes of the two properties.

Some tools were also located in a steep gravel track leading to a municipal reservoir in Erf 3462.

The tools, commonly found in the region, are not considered to be important finds, however, and have been assigned low importance ratings.

The overall impact of the proposed development on archaeological remains is likely to be very low.

The probability of locating significant archaeological remains during implementation of the project is also considered to be low.

With regard to the proposed development of Erf 3462 and Erf 3463 Betty's Bay, the following recommendations are made.

- No archaeological mitigation is required.
- No more detailed studies are required

The above recommendations are subject to the approval of the South African Heritage Resources Agency (SAHRA).

1. INTRODUCTION

1.1 Background

Doug Jefferys Environmental Consultant requested that the Agency for Cultural Resource Management undertake a Phase 1 Archaeological Impact Assessment (AIA) of the proposed subdivision of Erf 3462 and Erf 3463 Betty's Bay, on the Southern Cape coast.

The proposed development of the erven comprises residential development.

Provision is also made for public open space.

The aim of the AIA is to locate, identify and map archaeological remains that may be negatively impacted by the planning, construction and implementation of the proposed development, and to propose measures to mitigate against the impact.

2. TERMS OF REFERENCE

The terms of reference for the AIA were:

1. to determine whether there are likely to be any archaeological sites of significance within the two proposed sites;
2. to identify and map any sites of archaeological significance within the proposed two sites;
3. to assess the sensitivity and conservation significance of archaeological sites potentially affected by the proposed development;
4. to assess the significance of any impacts resulting from the proposed development, and
5. to identify mitigatory measures to protect and maintain any valuable archaeological sites that may exist within the two proposed sites.

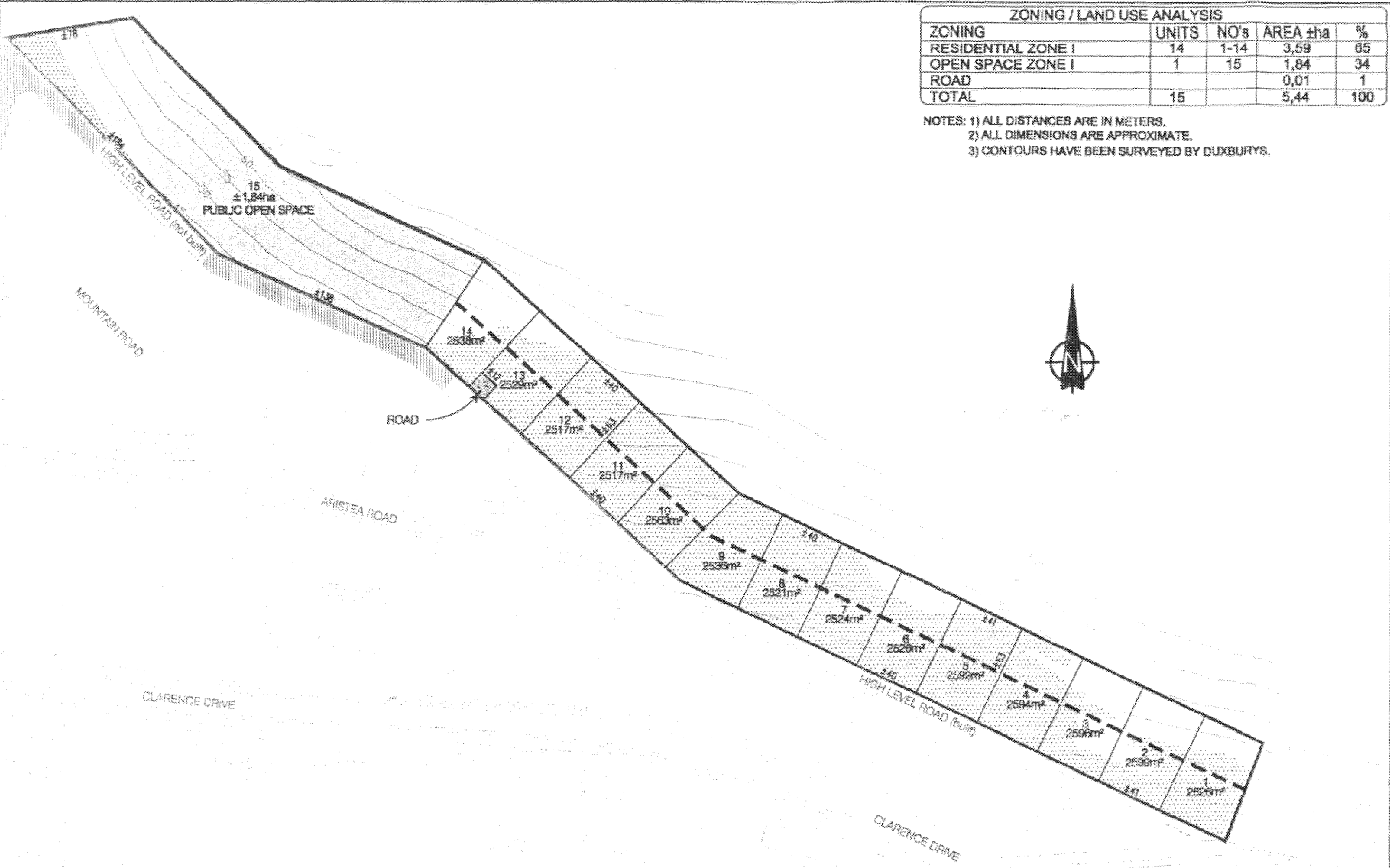
3. THE STUDY SITE

The study site for the proposed development is illustrated in Figures 1 and 2.



The property is located in Betty's Bay, in the Overberg region of the Western Cape Province, about 70 kms north of Cape Town.

Both properties are located on very steep south-facing slopes, and are extremely well vegetated.

Large quartzite boulders/outcroppings litter portions of the two sites.



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- NOTES:
-  SLOPE < 1:4
 -  POSSIBLE ROAD CLOSURE BY MUNICIPALITY
 - 30m REAR BUILDING LINE, WHILE STANDARD 2m SIDE AND 4m STREET LINES WILL APPLY.

TITLE:
**PROPOSED
 SUBDIVISION OF
 ERF 3463 BETTY'S BAY**

MUNICIPALITY: OVERSTRAND
 ADMINISTRATIVE DISTRICT: CALEDON
 PROVINCE: WESTERN CAPE
 NOTING SHEETS: AH-4BDC, AH-4BD/Y31
 FILE: BB3483

SCALE: **1/2500**

CLIENT: E. WALLERS

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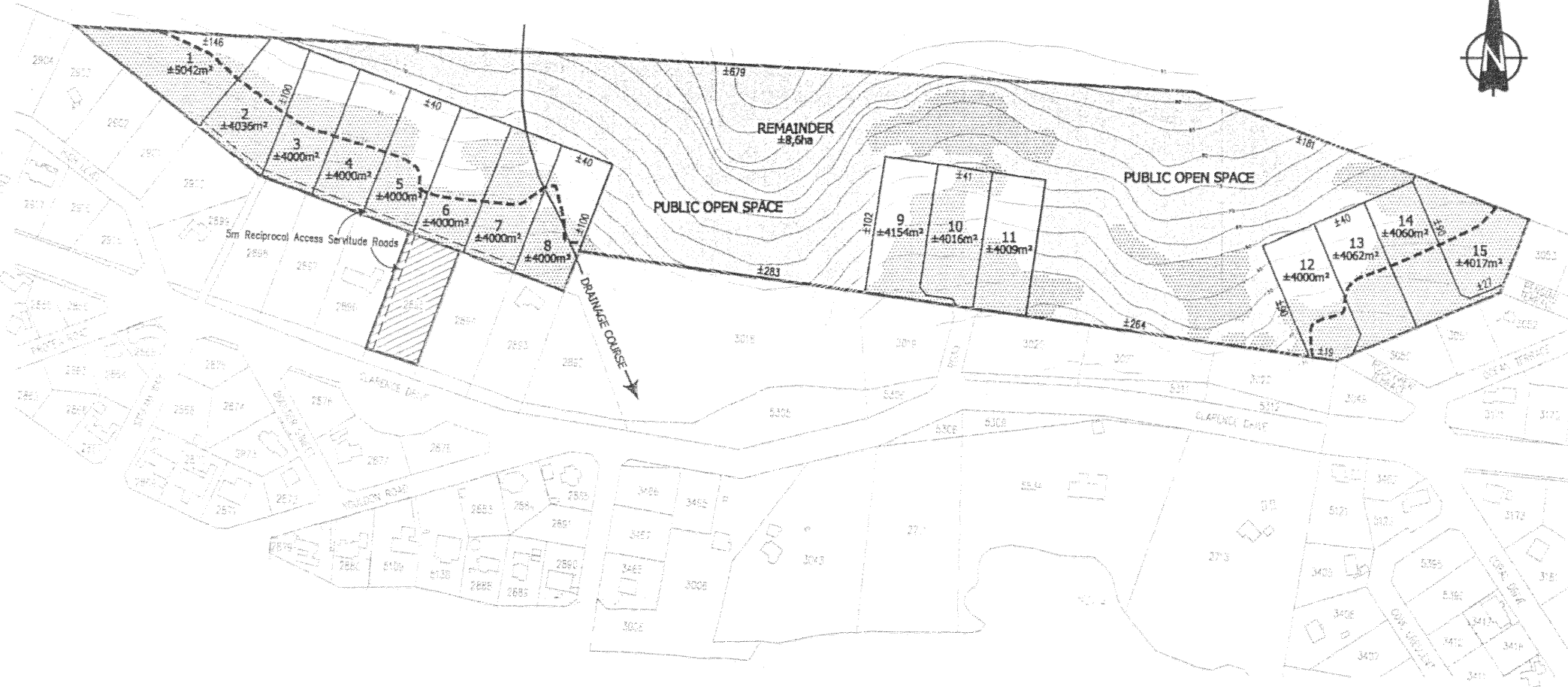
7 DRIVE LYS STREET 021 - 9480903
 BELLVILLE 021 - 9452808
 7530 E. duxburys@netfow.com

DRAWN BY	CHECKED BY
Cor	

DATE	PLAN NO
JULY 2001	3463/02/01
NOVEMBER 2001	3463/02/02

AMENDMENT

Figure 1. Phase 1 Archaeological Impact Assessment, proposed subdivision of Erf 3463 Betty's Bay: the study site illustrating the planned layout of the development.





- Notes: 1) Only 450m² disturbable area per erf, below the determined line of visual impact, will be allocated for a dwelling and its immediate surroundings.
 2) All access servitudes and panhandles are 5m wide.
 3) Line of visual impact: - - - - -
 4) Property of applicant: Hangklip Beach Properties CC: 
 5) Topographical detail received from Arcus Glibb (Pty) Ltd.
 6) Slopes \leq 1:5 

Figure 2. Phase 1 Archaeological Impact Assessment, proposed subdivision of Erf 3462 Betty's Bay: the study site facing east.

TITLE:
**PROPOSED SUBDIVISION
 OF
 ERF 3462 BETTY'S BAY**

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 7 DIRKIE UYS STREET
 BELLVILLE 7530
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 021 - 9452808
 E-MAIL: duxburys@iafrica.com

AUTHORITY: Overstrand Municipality
 ADMIN. DISTRICT: Caledon
 NOTING SHEETS: AH4BDC & AH4BDD
 FILE: BB3462
 CLIENT: Hangklip Beach Properties CC
 SCALE: 1/3000

DATE	PLAN NO
FEBRUARY 2002	3462/02/01
AMENDMENTS	

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4. LEGISLATION

Archaeological sites are protected under the National Heritage Resources Act (No. 25 of 1999).

It is an offence to destroy, damage, excavate, alter, or remove from its original position, or collect, any archaeological material or object, without a permit issued by the SAHRA.

5. STUDY APPROACH AND DOCUMENTATION OF ARCHAEOLOGICAL SITES

The approach used in the study entailed a ground survey of the two properties.

Large quartzite boulders and outcrops/overhangs on the steep slopes of the two properties were also searched for possible rock paintings and archaeological remains/deposits. None were found.

A desktop study was also undertaken.

6. RESULTS OF THE STUDY

6.1 Erf 3462

Early Stone Age (ESA) tools, including some large flakes and a cleaver were located on the steep, well vegetated south-facing slopes of the property (Figures 3 & 4).

Some flakes, two large chunks and a cleaver was also found in a very steep gravel road leading up to the municipal reservoir in the north-eastern portion of the property.

A few flakes were also found in the disturbed area around the reservoir and among some large quartzite outcroppings/overhangs located nearby.

The tools are all made on fine-grained quartzite and most likely belonging to the early Acheulean Tradition¹

ESA tools are not uncommon in the area, and have been recorded in a variety of contexts (Kaplan 1993, 2002a, b, c). Such tools are commonly found on mountain slopes, in disturbed and degraded areas, in borrow pits and near water sources.

Significance of finds: **low**

Suggested mitigation: **none required**

6.2 Erf 3463

Three ESA flakes were located on the steep, well vegetated south-facing slopes of the property (Figures 5 & 6).

Two flakes, a large chunk and one bifacially flaked cleaver were also located in a gravel road on the southern boundary of the property.

¹ A term referring to the period roughly between 1.5 million and 250 000 years ago.

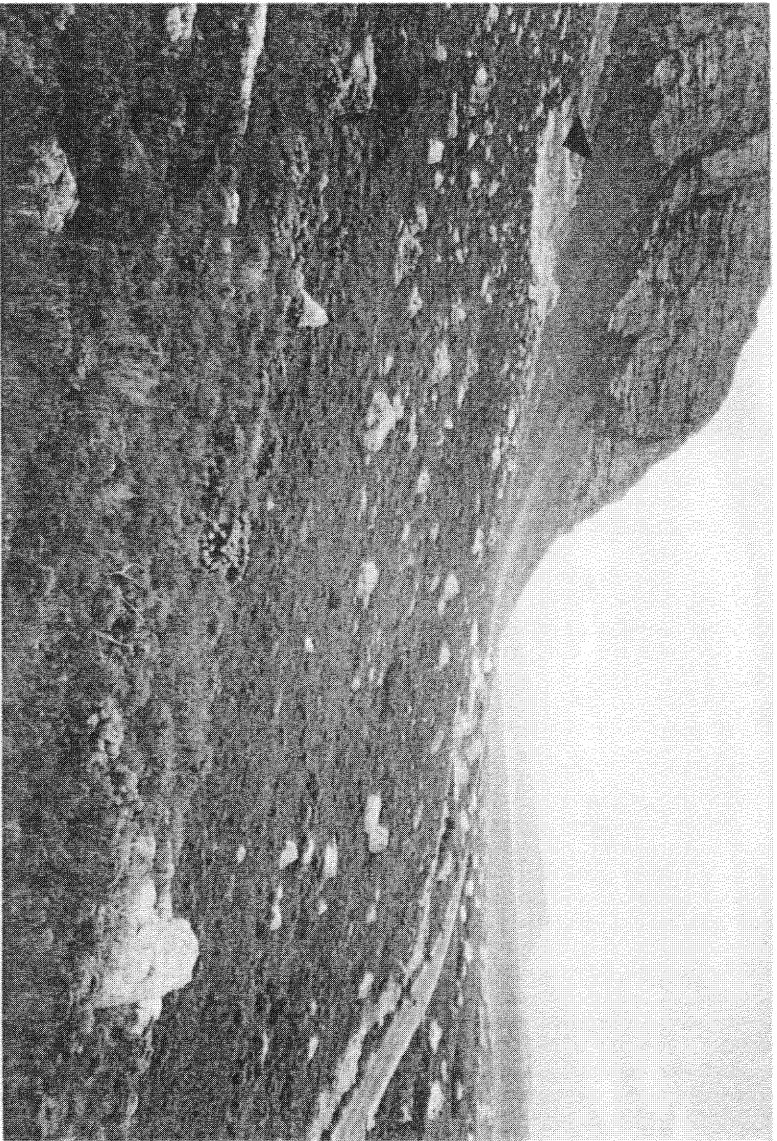


Figure 3. Phase 1 Archaeological Impact Assessment, proposed subdivision of Erf 3462 Betty's Bay: the study site facing east. Arrow indicates the municipal reservoir.



Figure 4. Phase 1 Archaeological Impact Assessment, proposed subdivision of Erf 3462 Betty's Bay: the study site facing west.

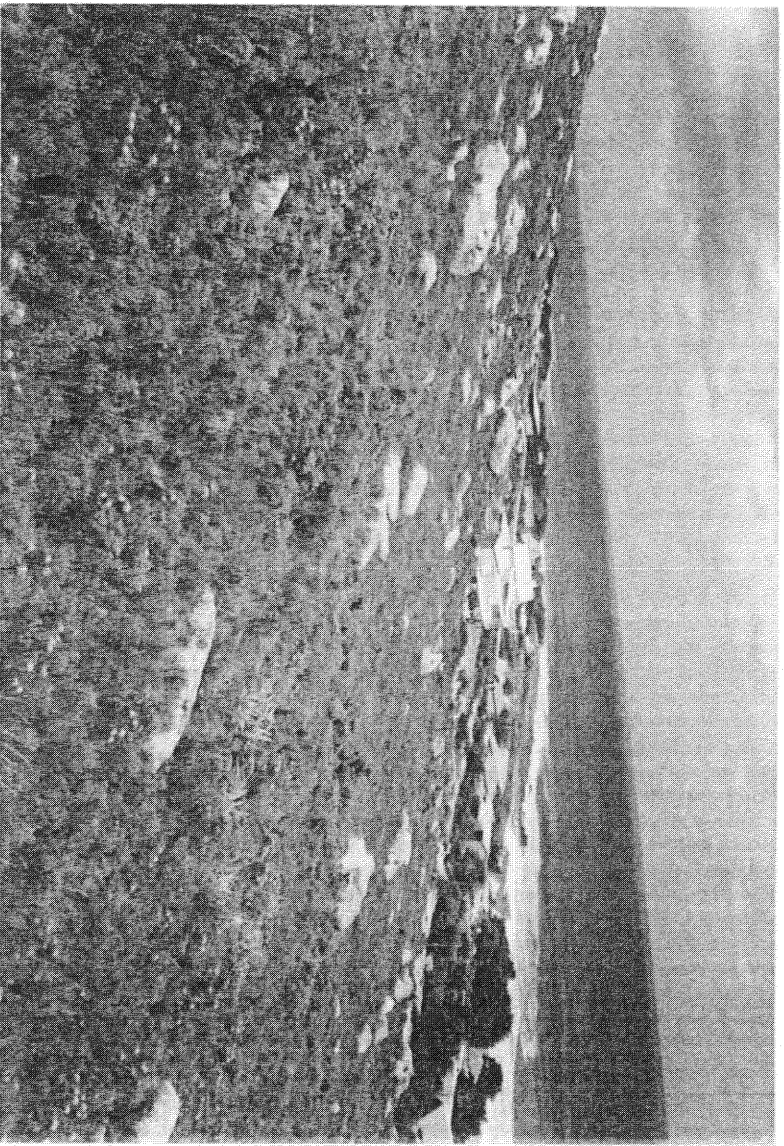


Figure 5. Phase 1 Archaeological Impact Assessment, proposed subdivision of Erf 3463 Betty's Bay: the study site facing east.

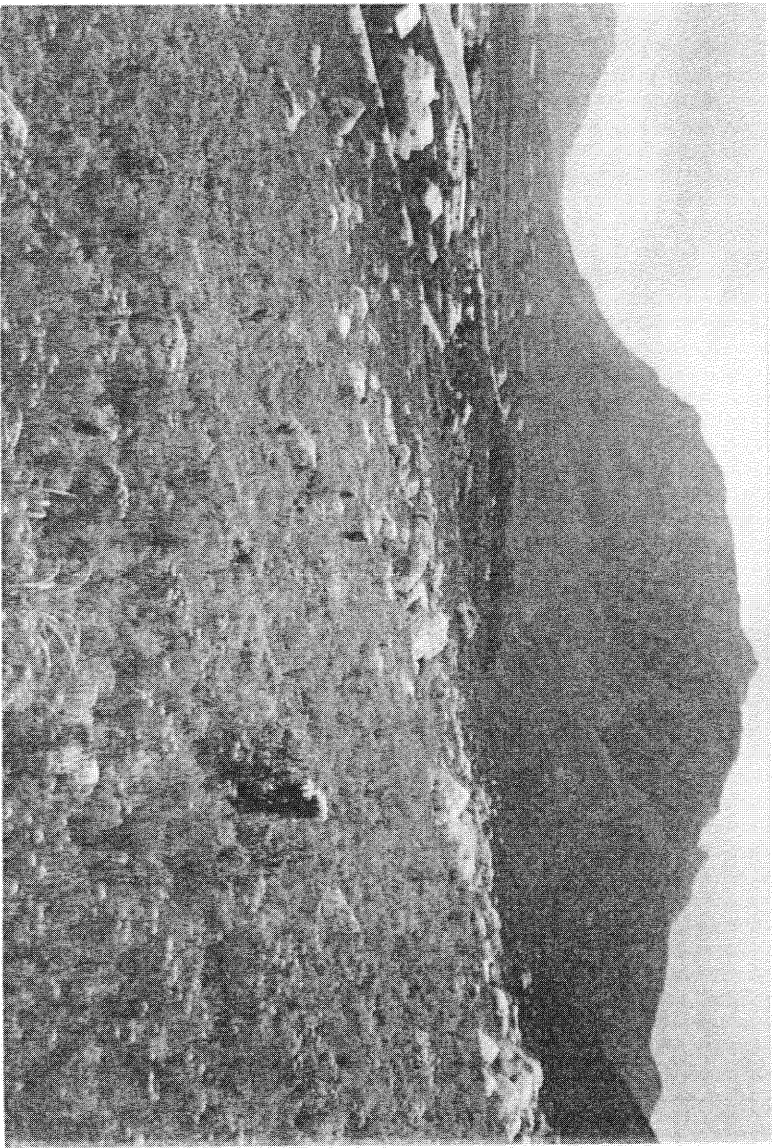


Figure 6. Phase 1 Archaeological Impact Assessment, proposed subdivision of Erf 3463 Betty's Bay: the study site facing west.

Importance of finds: **low**

Suggested mitigation: **none required**

7. IMPACT STATEMENT

The impact of the proposed project on archaeological sites/remains is likely to be very low.

The probability of locating significant archaeological sites/remains during implementation of the project is also considered to be low.

8. CONCLUDING STATEMENT

The receiving environment is not considered to be archaeologically sensitive, vulnerable or threatened.

9. RECOMMENDATIONS

With regard to the proposed development of Erf 3462 and Erf 3463 Betty's Bay, the following recommendations are made.

- No archaeological mitigation is required.
- No further detailed studies are required.

The above recommendations are subject to the approval of SAHRA.

10. REFERENCES

- Kaplan, J. 1993. Archaeological study, Kogelberg Nature Reserve, southern Cape. Report prepared for the Department of Water Affairs and Forestry. Agency for Cultural Resource Management.
- Kaplan, J. 2002a. Heritage Impact Assessment, Arabella Fynbos Golf Resort, Kleinmond. Report prepared for Dennis Moss Partnership. Agency for Cultural Resource Management.
- Kaplan, J. 2002b. Archaeological Sensitivity Analysis Erf 2 Gordons Bay. Report prepared for Crowther Campbell & Associates. Agency for Cultural Resource Management.
- Kaplan, J. 2002c. Phase 1 Archaeological Impact Assessment, portion 1 of the farm Hermannus Onrus River No. 542 Caledon. Report prepared for Dennis Moss Partnership. Agency for Cultural Resource Management.