

**SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION AS
REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED DEVELOPMENT
FOOTPRINT ENVIRONMENTAL SENSITIVITY**

EIA Reference number: TBD

Project name: Proposed new residential home on portion 1 of farm 974, Misty Cliffs, Cape Town

Project title: Proposed new residential home on portion 1 of farm 974, Misty Cliffs, Cape Town

Date screening report generated: 24/02/2025 16:20:49

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Compiler: Infinity Environmental

Compiler signature:
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Application Category: Transformation of land | Indigenous vegetation

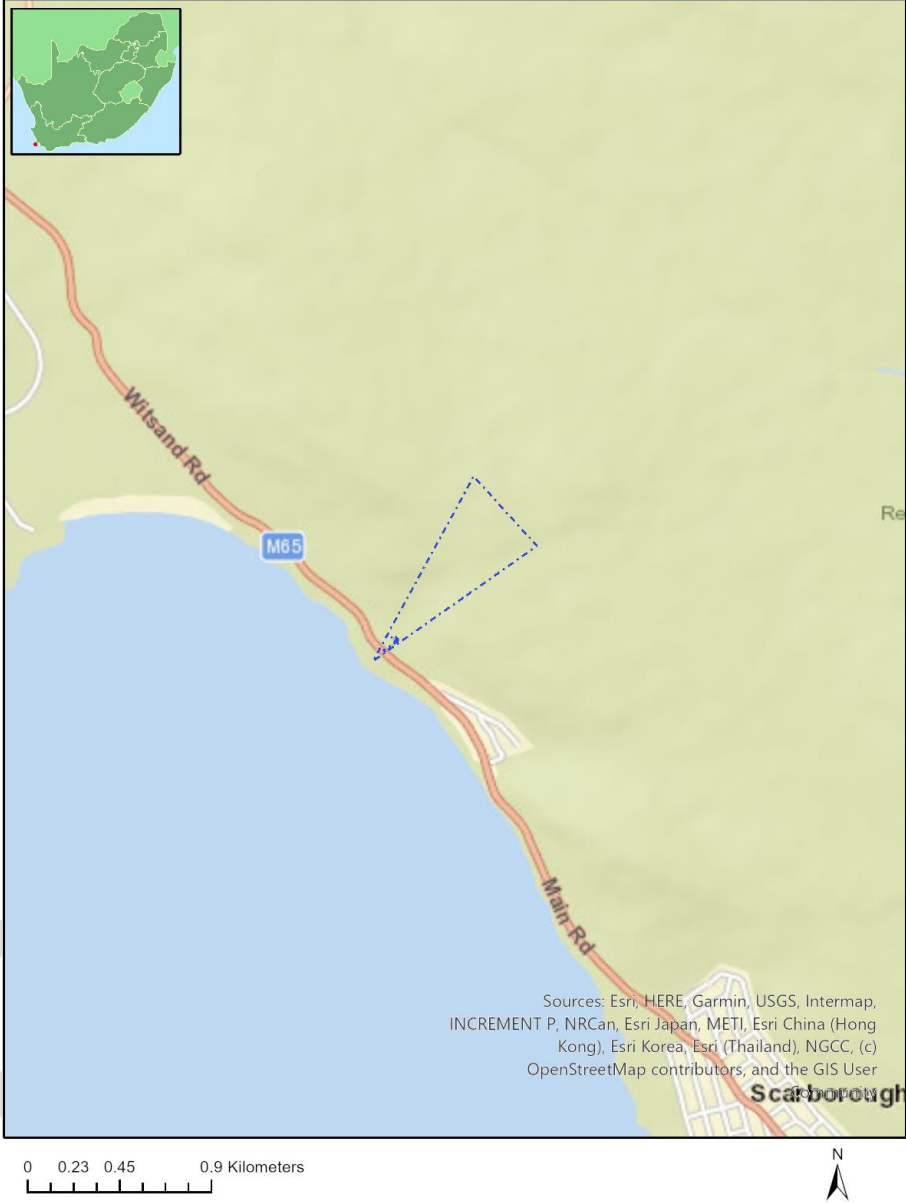
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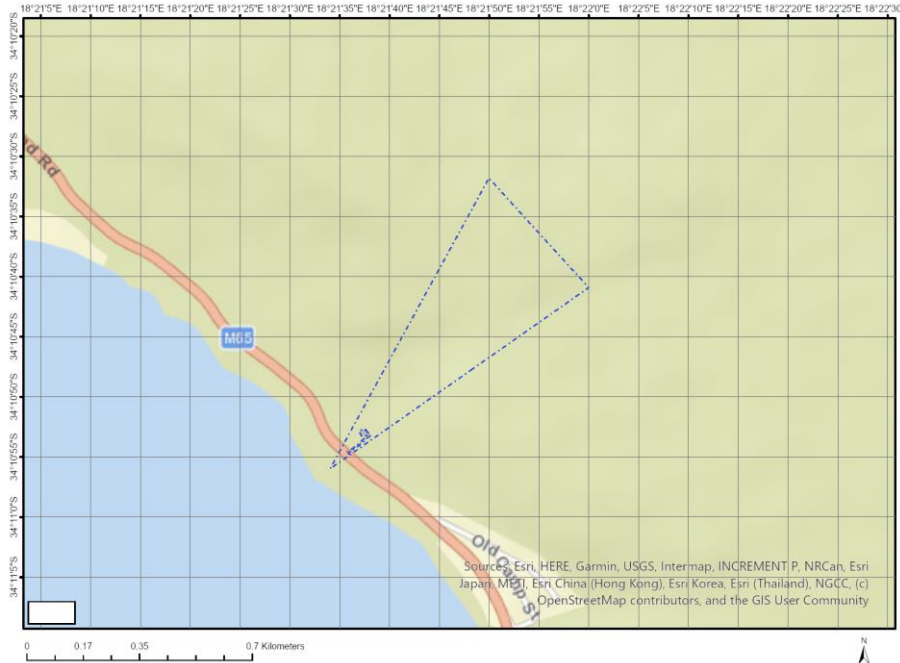
Proposed Project Location

Orientation map 1: General location

General Orientation: Proposed new residential home on portion 1 of farm 974, Misty Cliffs, Cape Town



Map of proposed site and relevant area(s)



Cadastral details of the proposed site

Property details:

| No | Farm Name | Farm/ Erf No | Portion | Latitude | Longitude | Property Type |
|----|-----------|--------------|---------|--------------|-----------|---------------|
| 1 | | 974 | 0 | 34°10'42.89S | 18°21'48E | Farm |
| 2 | | 974 | 1 | 34°10'42.89S | 18°21'48E | Farm Portion |

Development footprint¹ vertices:

| Footprint | Latitude | Longitude |
|-----------|--------------|--------------|
| 1 | 34°10'54.54S | 18°21'35.63E |
| 1 | 34°10'54.55S | 18°21'35.83E |
| 1 | 34°10'53.96S | 18°21'36.83E |
| 1 | 34°10'53.19S | 18°21'37.76E |
| 1 | 34°10'53.08S | 18°21'37.94E |
| 1 | 34°10'53.23S | 18°21'38.1E |
| 1 | 34°10'53.37S | 18°21'37.86E |
| 1 | 34°10'53.34S | 18°21'37.82E |
| 1 | 34°10'54.07S | 18°21'36.93E |
| 1 | 34°10'54.63S | 18°21'35.95E |
| 1 | 34°10'54.77S | 18°21'35.93E |
| 1 | 34°10'54.54S | 18°21'35.63E |
| 2 | 34°10'53.08S | 18°21'37.94E |
| 2 | 34°10'53.18S | 18°21'37.77E |

¹ “development footprint”, means the area within the site on which the development will take place and includes all ancillary developments for example roads, power lines, boundary walls, paving etc. which require vegetation clearance or which will be disturbed and for which the application has been submitted.

| | | |
|---|--------------|--------------|
| 2 | 34°10'53.22S | 18°21'37.65E |
| 2 | 34°10'53.21S | 18°21'37.65E |
| 2 | 34°10'53.3S | 18°21'37.27E |
| 2 | 34°10'53.23S | 18°21'37.16E |
| 2 | 34°10'53.1S | 18°21'37.07E |
| 2 | 34°10'52.86S | 18°21'36.94E |
| 2 | 34°10'52.71S | 18°21'37.27E |
| 2 | 34°10'52.85S | 18°21'37.38E |
| 2 | 34°10'52.85S | 18°21'37.4E |
| 2 | 34°10'52.84S | 18°21'37.4E |
| 2 | 34°10'52.77S | 18°21'37.55E |
| 2 | 34°10'52.74S | 18°21'37.52E |
| 2 | 34°10'52.71S | 18°21'37.59E |
| 2 | 34°10'52.73S | 18°21'37.64E |
| 2 | 34°10'52.79S | 18°21'37.69E |
| 2 | 34°10'52.81S | 18°21'37.66E |
| 2 | 34°10'52.84S | 18°21'37.68E |
| 2 | 34°10'52.82S | 18°21'37.71E |
| 2 | 34°10'52.88S | 18°21'37.73E |
| 2 | 34°10'52.93S | 18°21'37.73E |
| 2 | 34°10'52.94S | 18°21'37.74E |
| 2 | 34°10'52.92S | 18°21'37.82E |
| 2 | 34°10'52.94S | 18°21'37.85E |
| 2 | 34°10'52.96S | 18°21'37.84E |
| 2 | 34°10'52.97S | 18°21'37.84E |
| 2 | 34°10'53.08S | 18°21'37.94E |

Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area

No nearby wind or solar developments found.

Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

Environmental screening results and assessment outcomes

The following sections contain a summary of any development incentives, restrictions, exclusions or prohibitions that apply to the proposed development footprint as well as the most environmental sensitive features on the footprint based on the footprint sensitivity screening results for the application classification that was selected. The application classification selected for this report is:

Transformation of land | Indigenous vegetation.

Relevant development incentives, restrictions, exclusions or prohibitions

The following development incentives, restrictions, exclusions or prohibitions and their implications that apply to this footprint are indicated below.

| Incentive, restriction or prohibition | Implication |
|--|---|
| Strategic Transmission Corridor-Central corridor | https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf |
| Table Mountain National Park Buffer | https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/tmnp_approved_plan.pdf |
| South African Protected Areas | https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/SAPAD_OR_2024_Q3_Metadata.pdf |
| South African Conservation Areas | https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/SACAD_OR_2024_Q3_Metadata.pdf |

Proposed Development Area Environmental Sensitivity

The following summary of the development footprint environmental sensitivities is identified. Only the highest environmental sensitivity is indicated. The footprint environmental sensitivities for the proposed development footprint as identified, are indicative only and must be verified on site by a suitably qualified person before the specialist assessments identified below can be confirmed.

| Theme | Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|--|-----------------------|------------------|--------------------|-----------------|
| Agriculture Theme | | | | X |
| Animal Species Theme | | | X | |
| Aquatic Biodiversity Theme | X | | | |
| Archaeological and Cultural Heritage Theme | | | | X |
| Civil Aviation Theme | | | X | |
| Defence Theme | | | | X |
| Paleontology Theme | | X | | |
| Plant Species Theme | | | X | |
| Terrestrial Biodiversity Theme | X | | | |

Specialist assessments identified

Based on the selected classification, and the known impacts associated with the proposed development, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report, the reason for not including any of the identified specialist study including the provision of photographic evidence of the footprint situation.

| No | Specialist assessment | Assessment Protocol |
|----|--|---|
| 1 | Landscape/Visual Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf |
| 2 | Archaeological and Cultural Heritage Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf |
| 3 | Palaeontology Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf |
| 4 | Terrestrial Biodiversity | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf |

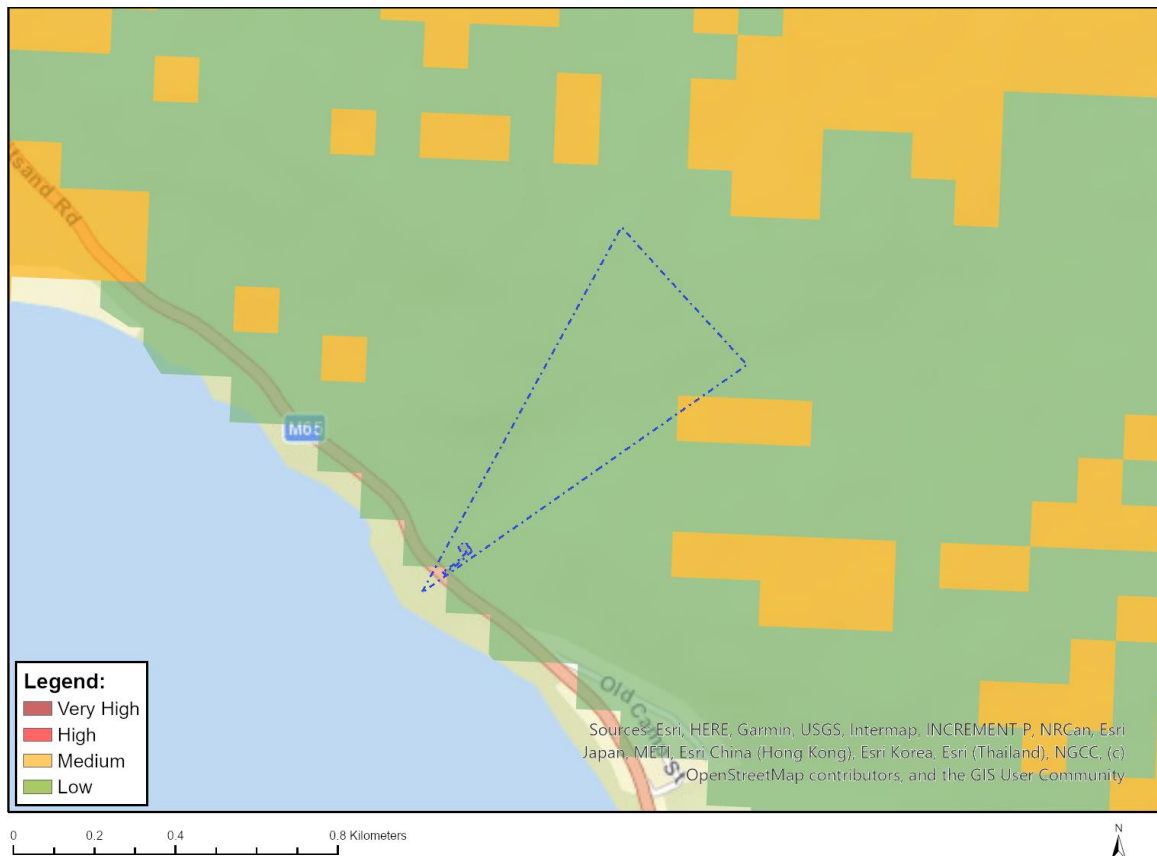
| | | |
|---|--|---|
| | Impact Assessment | ssmentProtocols/Gazetted Terrestrial Biodiversity Assessment Protocols.pdf |
| 5 | Aquatic Biodiversity Impact Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Aquatic Biodiversity Assessment Protocols.pdf |
| 6 | Socio-Economic Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf |
| 7 | Plant Species Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf |
| 8 | Animal Species Assessment | https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Animal Species Assessment Protocols.pdf |

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Results of the environmental sensitivity of the proposed area.

The following section represents the results of the screening for environmental sensitivity of the proposed footprint for relevant environmental themes associated with the project classification. It is the duty of the EAP to ensure that the environmental themes provided by the screening tool are comprehensive and complete for the project. Refer to the disclaimer.

MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY

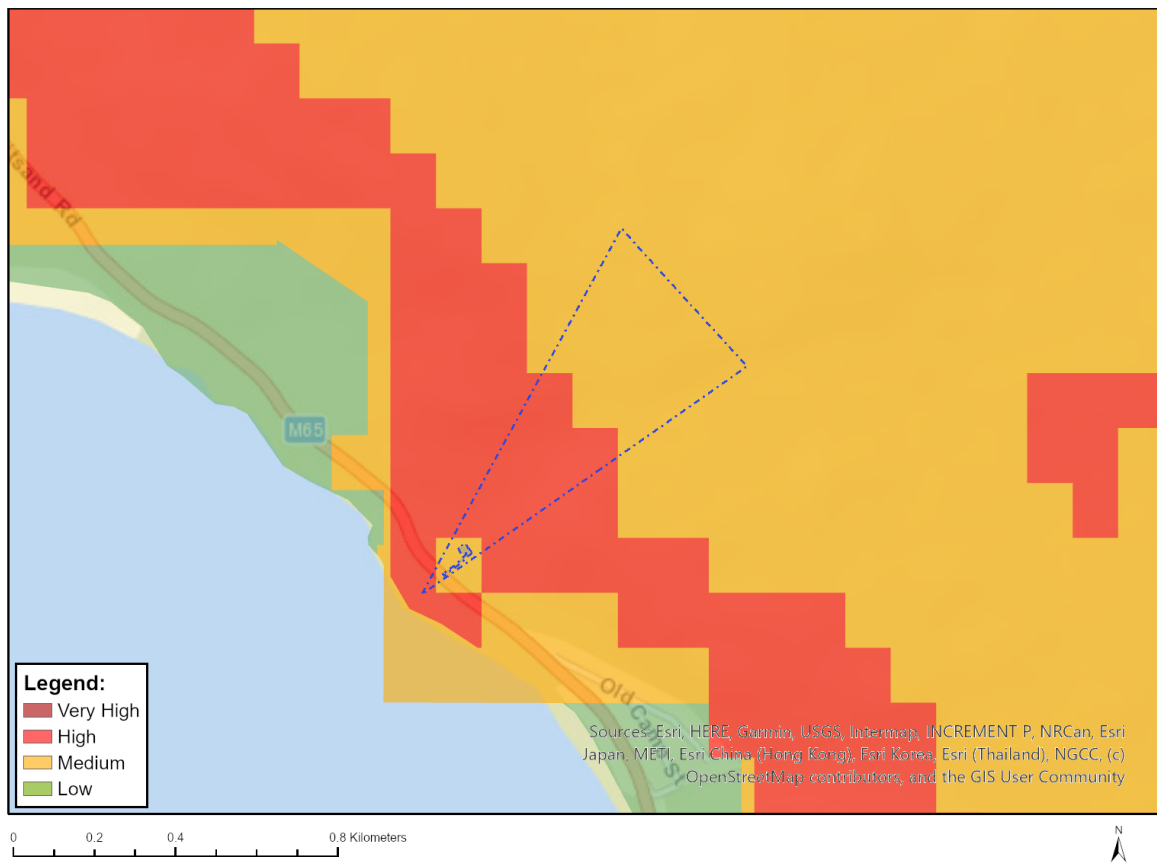


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | | | X |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|---|
| Low | Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low |

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | | X | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|------------------------|
| Medium | Amphibia-Xenopus gilli |
| Medium | Aves-Circus maurus |

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

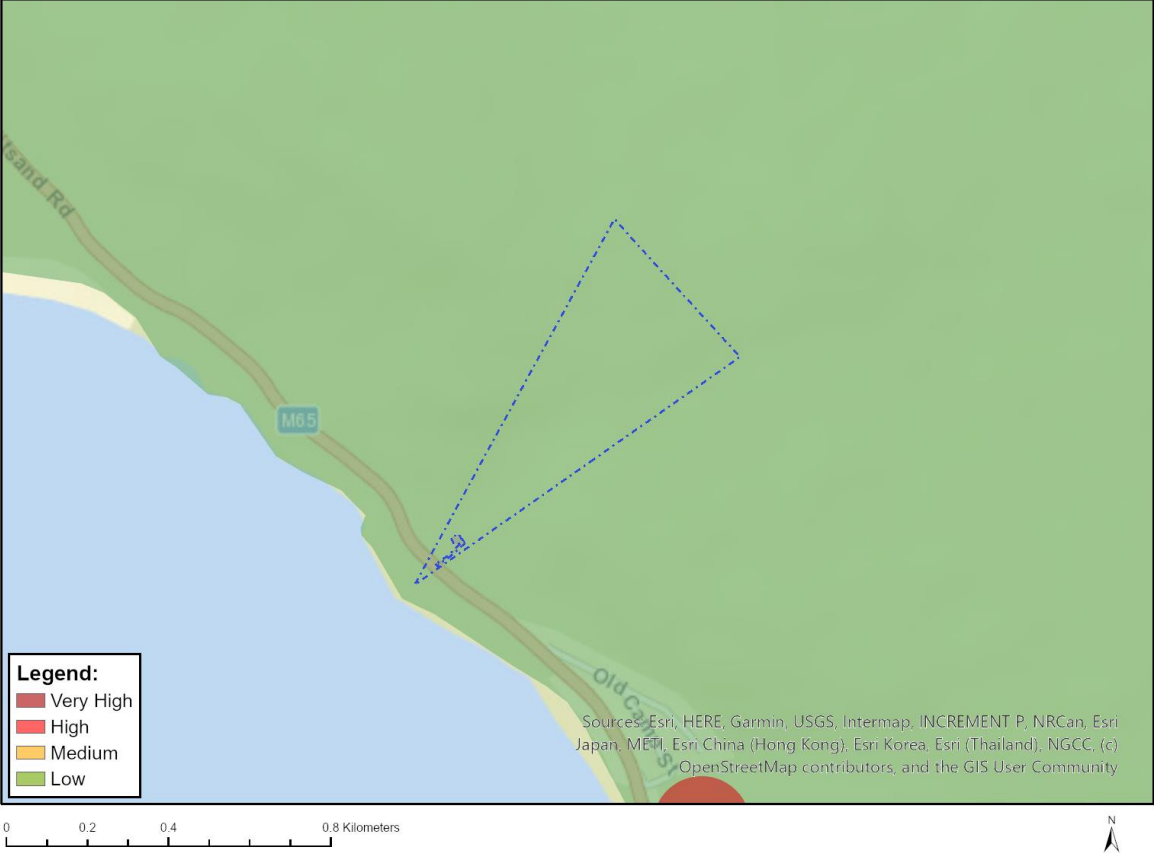


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| X | | | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|---------------------------|
| Low | Low sensitivity |
| Very High | FEPA Subcatchment |
| Very High | SWSA (SW) _Table Mountain |

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY



| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | | | X |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|-----------------|
| Low | Low sensitivity |

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY



| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | | X | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|--|
| Medium | Between 15 and 35 km from a civil aviation radar |
| Medium | Between 15 and 35 km from a major civil aviation aerodrome |

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

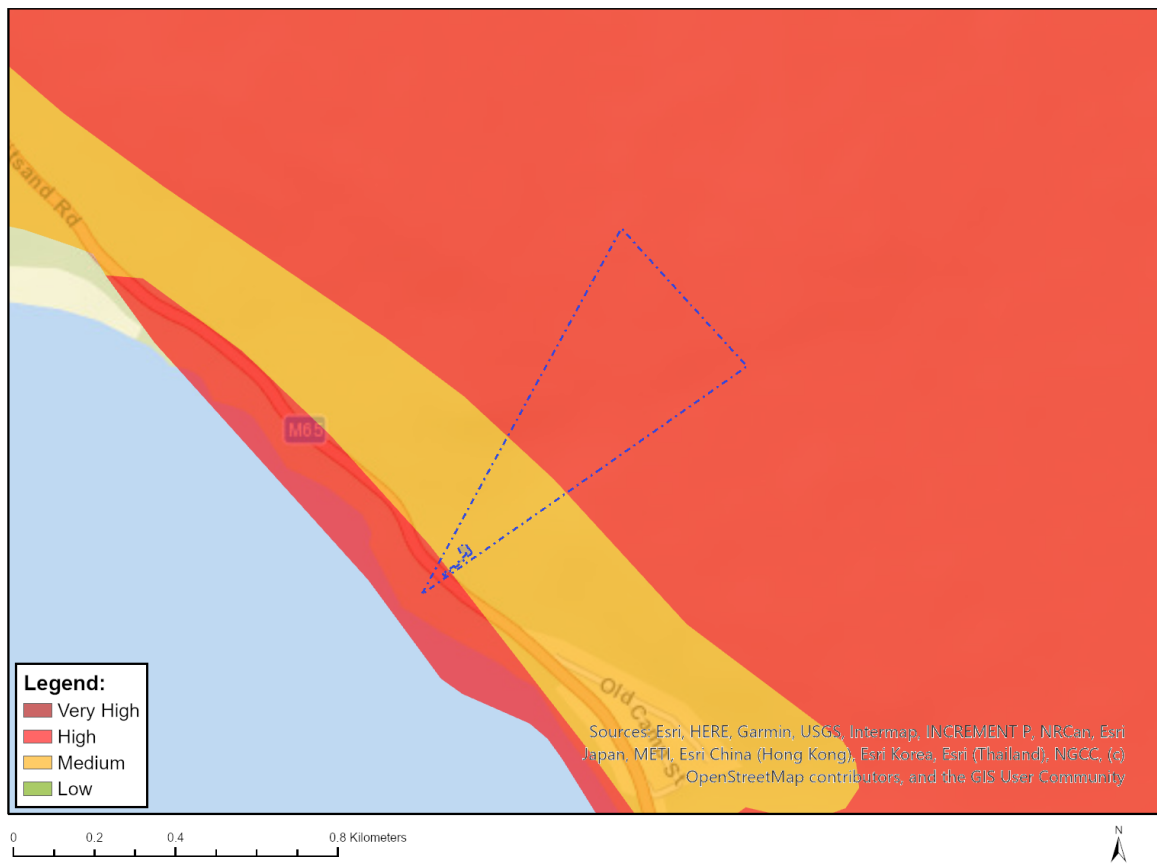


| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | | | X |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|-----------------|
| Low | Low Sensitivity |

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY



| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | X | | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|--|
| High | Features with a High paleontological sensitivity |
| Medium | Features with a Medium paleontological sensitivity |

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| | | X | |

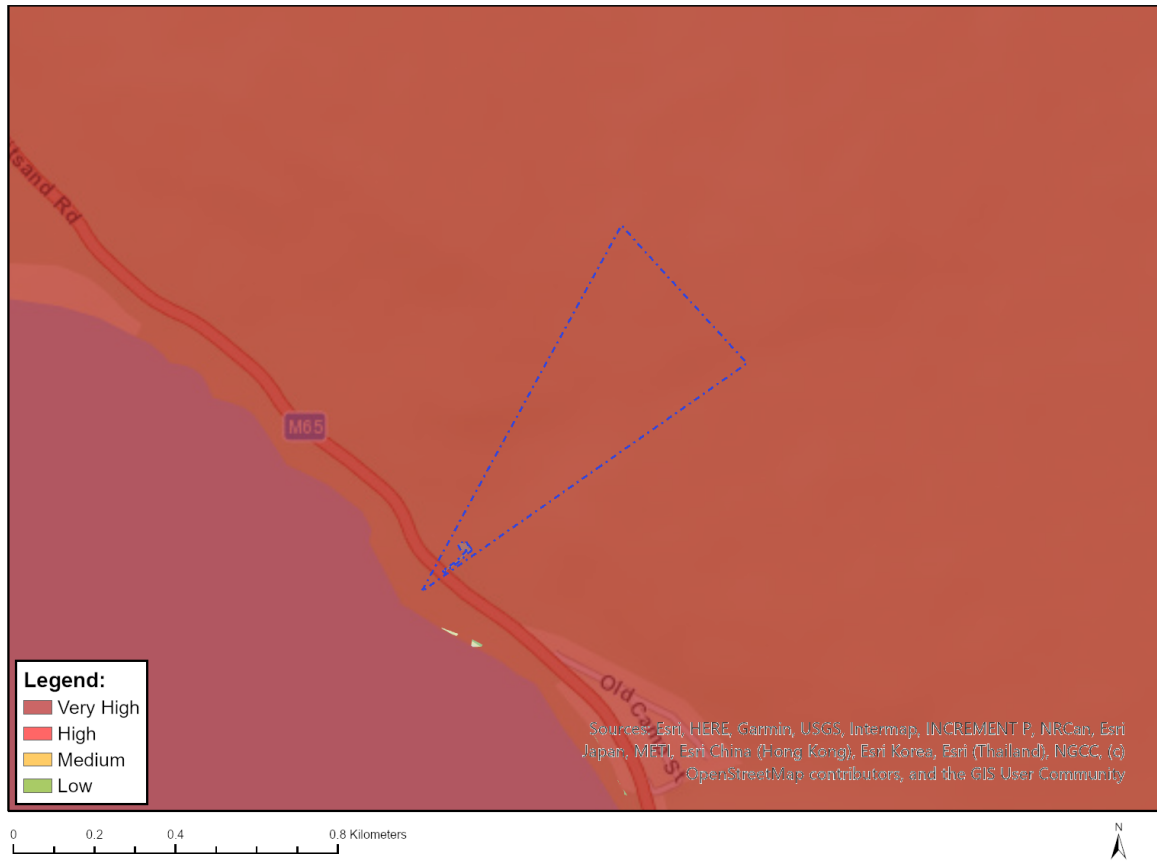
Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|------------------------------------|
| Medium | Lampranthus glomeratus |
| Medium | Lampranthus promontorii |
| Medium | Lampranthus stenus |
| Medium | Lampranthus tenuifolius |
| Medium | Erepsia forficata |
| Medium | Erepsia dunensis |
| Medium | Ruschia geminiflora |
| Medium | Ruschia promontorii |
| Medium | Ruschia rubricaulis |
| Medium | Liparia parva |
| Medium | Liparia splendens subsp. splendens |
| Medium | Indigofera candolleana |
| Medium | Aspalathus capensis |

| | |
|--------|---|
| Medium | <i>Aspalathus capitata</i> |
| Medium | <i>Aspalathus chenopoda</i> subsp. <i>chenopoda</i> |
| Medium | <i>Aspalathus incurva</i> |
| Medium | <i>Aspalathus psoraleoides</i> |
| Medium | <i>Otholobium fruticans</i> |
| Medium | <i>Lebeckia meyeriana</i> |
| Medium | <i>Lebeckia plukenetiana</i> |
| Medium | Sensitive species 986 |
| Medium | <i>Podalyria sericea</i> |
| Medium | <i>Audouinia capitata</i> |
| Medium | <i>Staavia dodii</i> |
| Medium | <i>Leucadendron coniferum</i> |
| Medium | <i>Leucadendron floridum</i> |
| Medium | <i>Leucadendron macowanii</i> |
| Medium | <i>Leucospermum hypophyllocarpodendron</i> subsp. <i>hypophyllocarpodendron</i> |
| Medium | <i>Mimetes fimbriifolius</i> |
| Medium | <i>Mimetes hirtus</i> |
| Medium | <i>Diastella divaricata</i> subsp. <i>divaricata</i> |
| Medium | <i>Serruria collina</i> |
| Medium | <i>Serruria cyanoides</i> |
| Medium | <i>Serruria decumbens</i> |
| Medium | <i>Serruria glomerata</i> |
| Medium | <i>Serruria inconspicua</i> |
| Medium | <i>Serruria villosa</i> |
| Medium | <i>Roella recurvata</i> |
| Medium | <i>Wahlenbergia pyrophila</i> |
| Medium | <i>Ehrharta setacea</i> subsp. <i>uniflora</i> |
| Medium | <i>Aristea zeyheri</i> |
| Medium | Sensitive species 533 |
| Medium | <i>Geissorhiza bonaspei</i> |
| Medium | <i>Geissorhiza humilis</i> |
| Medium | Sensitive species 881 |
| Medium | Sensitive species 775 |
| Medium | <i>Bobartia gladiata</i> subsp. <i>major</i> |
| Medium | <i>Pseudalthenia aschersoniana</i> |
| Medium | <i>Erica amoena</i> |
| Medium | <i>Erica annectens</i> |
| Medium | <i>Erica brachialis</i> |
| Medium | <i>Erica capensis</i> |
| Medium | <i>Erica capillaris</i> var. <i>capillaris</i> |
| Medium | <i>Erica clavisepala</i> |
| Medium | <i>Erica eburnea</i> |
| Medium | <i>Erica fontana</i> |
| Medium | <i>Erica halicacaba</i> |
| Medium | <i>Erica marifolia</i> |
| Medium | <i>Erica nevillei</i> |
| Medium | <i>Erica patersonii</i> |
| Medium | <i>Erica pyxidiflora</i> |
| Medium | <i>Stylapterus fruticosus</i> |
| Medium | <i>Villarsia goldblattiana</i> |
| Medium | <i>Adenogramma rigida</i> |
| Medium | <i>Wachendorfia brachyandra</i> |
| Medium | <i>Hessea cinnamomea</i> |
| Medium | Sensitive species 497 |
| Medium | <i>Centella caespitosa</i> |
| Medium | <i>Isolepis venustula</i> |
| Medium | <i>Ficinia anceps</i> |
| Medium | <i>Ficinia elatior</i> |
| Medium | <i>Ficinia pinguior</i> |
| Medium | <i>Elegia prominens</i> |

| | |
|--------|--|
| Medium | <i>Anthochortus capensis</i> |
| Medium | <i>Restio dodii</i> var. <i>dodii</i> |
| Medium | Sensitive species 384 |
| Medium | Sensitive species 1139 |
| Medium | <i>Pterygodium microglossum</i> |
| Medium | <i>Holothrix longicornu</i> |
| Medium | <i>Heliophila cinerea</i> |
| Medium | <i>Heliophila promontorii</i> |
| Medium | <i>Heliophila pusilla</i> var. <i>lanceolata</i> |
| Medium | <i>Heliophila tabularis</i> |
| Medium | <i>Gnidia humilis</i> |
| Medium | <i>Syncarpha zeyheri</i> |
| Medium | <i>Senecio foeniculoides</i> |
| Medium | <i>Cotula eckloniana</i> |
| Medium | <i>Gerbera wrightii</i> |
| Medium | <i>Stoebe rosea</i> |
| Medium | <i>Cullumia squarrosa</i> |
| Medium | <i>Osmitopsis dentata</i> |
| Medium | <i>Agathosma corymbosa</i> |
| Medium | <i>Agathosma hookeri</i> |
| Medium | <i>Agathosma lanceolata</i> |
| Medium | <i>Adenandra villosa</i> subsp. <i>sonderi</i> |
| Medium | <i>Macrostylis villosa</i> subsp. <i>villosa</i> |
| Medium | <i>Cliffortia carinata</i> |
| Medium | <i>Cliffortia ericifolia</i> |
| Medium | <i>Cliffortia hirta</i> |
| Medium | <i>Cliffortia longifolia</i> |
| Medium | <i>Muraltia acipetala</i> |
| Medium | <i>Muraltia brachypetala</i> |
| Medium | <i>Muraltia comptonii</i> |
| Medium | <i>Muraltia macropetala</i> |
| Medium | <i>Muraltia mitior</i> |
| Medium | <i>Cytinus capensis</i> |
| Medium | Sensitive species 850 |
| Medium | Sensitive species 1030 |
| Medium | <i>Wurmbea hiemalis</i> |
| Medium | <i>Phyllica dioica</i> |
| Medium | <i>Aloiampelos commixta</i> |
| Medium | <i>Xiphotheca reflexa</i> |
| Medium | <i>Protea scolymocephala</i> |
| Medium | Sensitive species 599 |
| Medium | <i>Restio paludosus</i> |
| Medium | <i>Pachites bodkinii</i> |
| Medium | <i>Lachnaea grandiflora</i> |

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



| Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|-----------------------|------------------|--------------------|-----------------|
| X | | | |

Sensitivity Features:

| Sensitivity | Feature(s) |
|-------------|------------------------------------|
| Very High | Cape Floral Region Protected Areas |
| Very High | CBA 1: Terrestrial (see CT data) |
| Very High | FEPA Subcatchment |
| Very High | SWSA (SW) _Table Mountain |
| Very High | Table Mountain NP |
| Very High | EN_Cape Flats Dune Strandveld |