

**SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION OR
FOR A PART TWO AMENDMENT OF AN ENVIRONMENTAL AUTHORISATION
AS REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE
ENVIRONMENTAL SENSITIVITY**

EIA Reference number: DEFF Ref: To be confirmed

Project name: Richards Bay 400MW Gas to Power plant, Alton, Richards Bay

Project title: Transmission Infrastructure for the 400MW RBGP2 gas-to-power plant, Richards Bay, Kwazulu-Natal Province

Date screening report generated: 07/11/2020 21:18:37

Applicant: Richards Bay Gas Power 2 (Pty) Ltd

Compiler: Savannah Environmental (Pty) Ltd

Compiler signature:

.....

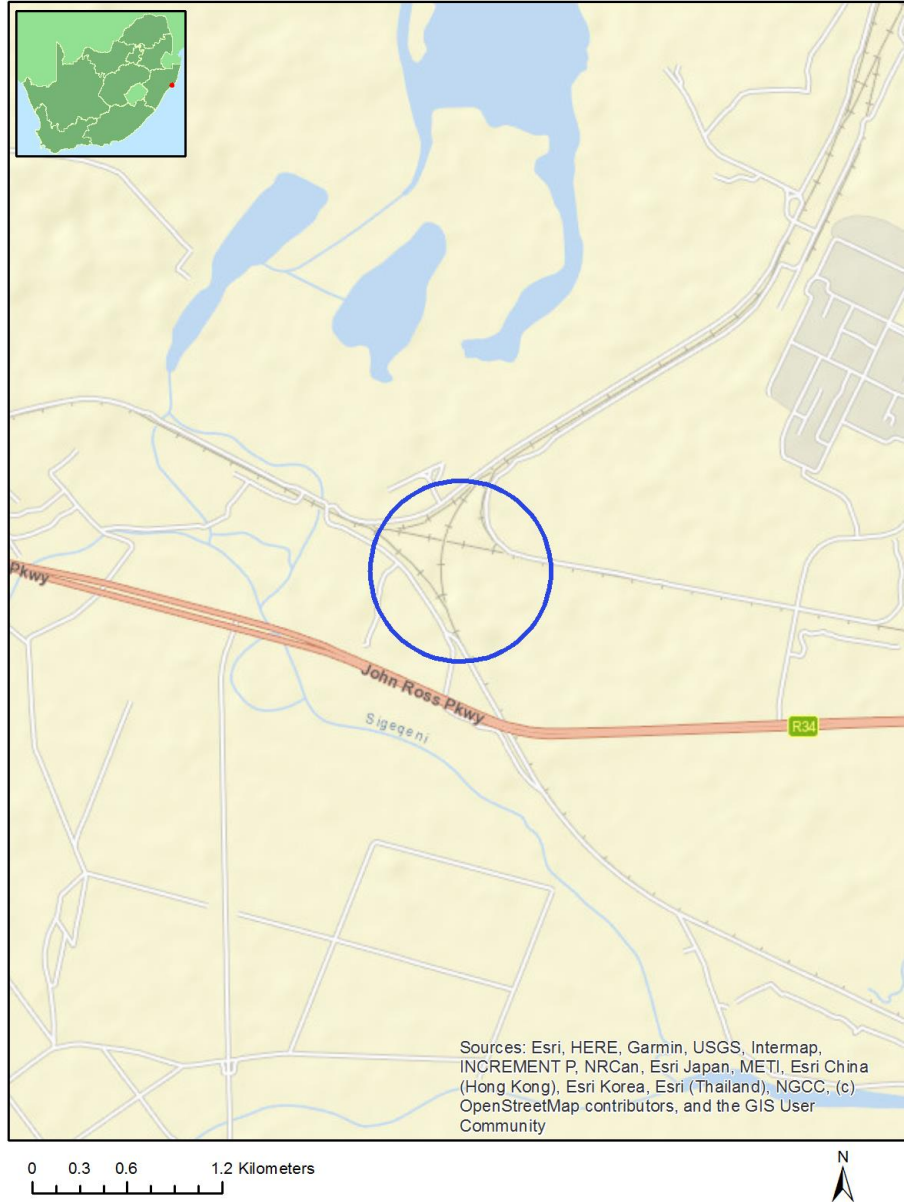
Table of Contents

- Proposed Project Location 3
 - Orientation map 1: General location 3
- Map of proposed site and relevant area(s) 4
 - Cadastral details of the proposed site 4
 - Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area 4
 - Environmental Management Frameworks relevant to the application 5
- Environmental screening results and assessment outcomes 5
 - Relevant development incentives, restrictions, exclusions or prohibitions 5
- Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones 6
 - Proposed Development Area Environmental Sensitivity 6
 - Specialist assessments identified 7
- Results of the environmental sensitivity of the proposed area 9
 - MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY 9
 - MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY 10
 - MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY 11
 - MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY 12
 - MAP OF RELATIVE DEFENCE THEME SENSITIVITY 13
 - MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY 14
 - MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY 15

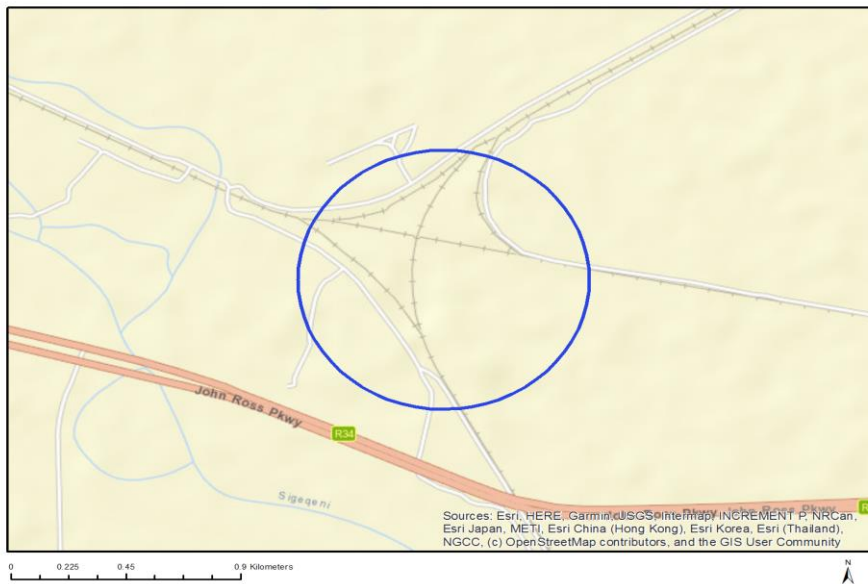
Proposed Project Location

Orientation map 1: General location

General Orientation: Richards Bay 400MW Gas to Power plant, Alton, Richards Bay



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	RICHARDS BAY	397	0	28°46'45.84S	32°3'53.35E	Erven
2	RICHARDS BAY	5333	0	28°46'37S	31°59'15E	Erven
3	RICHARDS BAY	11376	1	28°46'0.14S	31°58'46.21E	Erven
4	RICHARDS BAY	5333	7	28°47'22.11S	31°59'1.77E	Erven
5	RICHARDS BAY	11376	5	28°46'21.7S	31°58'56.75E	Erven
6	RICHARDS BAY	5333	0	28°46'30.54S	31°57'59.25E	Erven
7	RICHARDS BAY	6698	0	28°46'8.01S	31°58'12.71E	Erven
8	RICHARDS BAY	11375	0	28°46'6.43S	31°58'58.99E	Erven
9	RESERVE 6	15825	0	28°46'20.3S	32°0'13.98E	Farm
10	RESERVE 6	15825	12	28°44'30.59S	32°0'13.54E	Farm Portion
11	RESERVE 6	15825	0	28°45'14.62S	31°58'58.11E	Farm Portion
12	RESERVE 6	15825	0	28°46'22.12S	31°58'28.38E	Farm Portion

Development footprint¹ vertices:
No development footprint(s) specified.

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.

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.

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 site as well as the most environmental sensitive features on the site based on the site sensitivity screening results for the application classification that was selected. The application classification selected for this report is:
Any activities within or close to a watercourse | Any activities within or close to a watercourse.

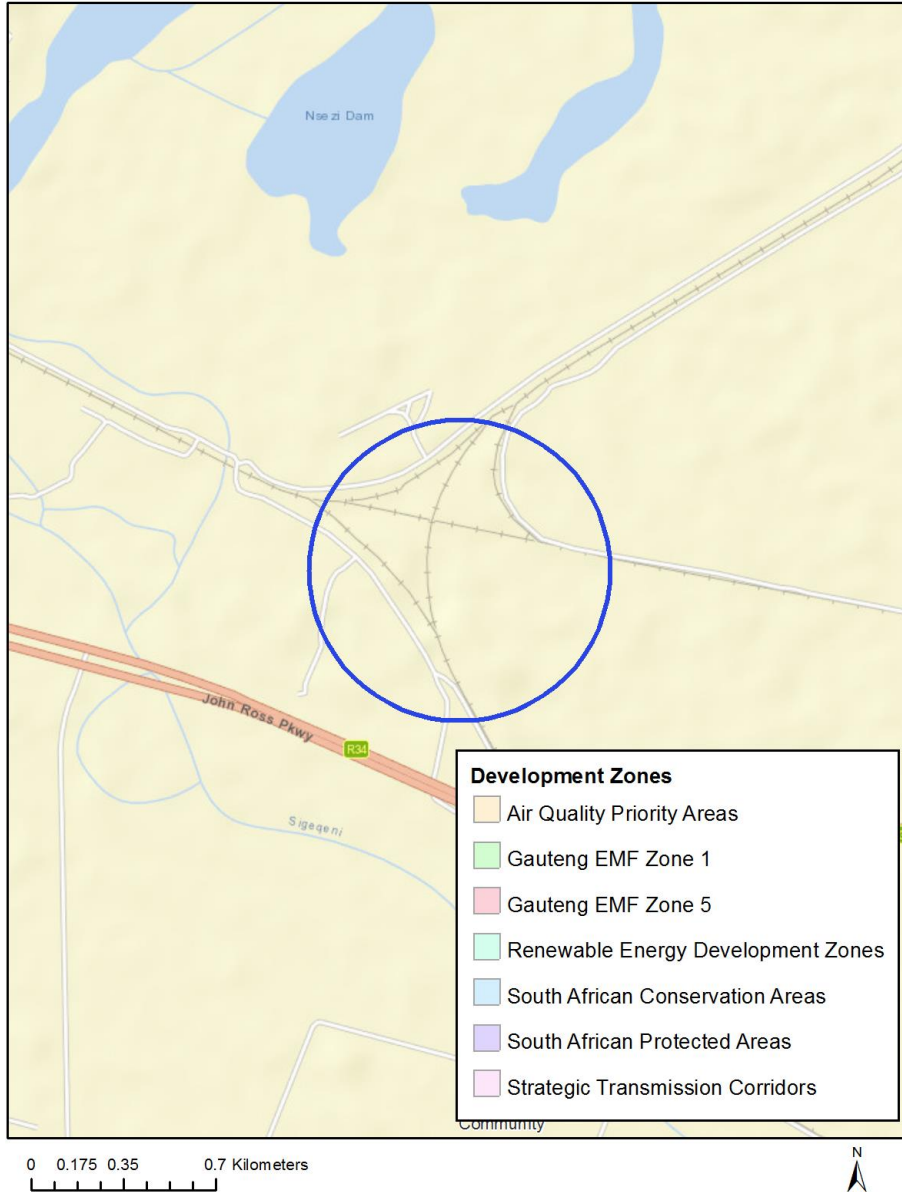
Relevant development incentives, restrictions, exclusions or prohibitions

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

No intersection with any development zones found.

Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones

Project Location: Richards Bay 400MW Gas to Power plant, Alton, Richards Bay



Proposed Development Area Environmental Sensitivity

The following summary of the development site 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			
Civil Aviation Theme			X	
Defence Theme				X
Plant Species Theme			X	
Terrestrial Biodiversity Theme	X			

Specialist assessments identified

Based on the selected classification, and the environmental sensitivities of the proposed development footprint, 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 site situation.

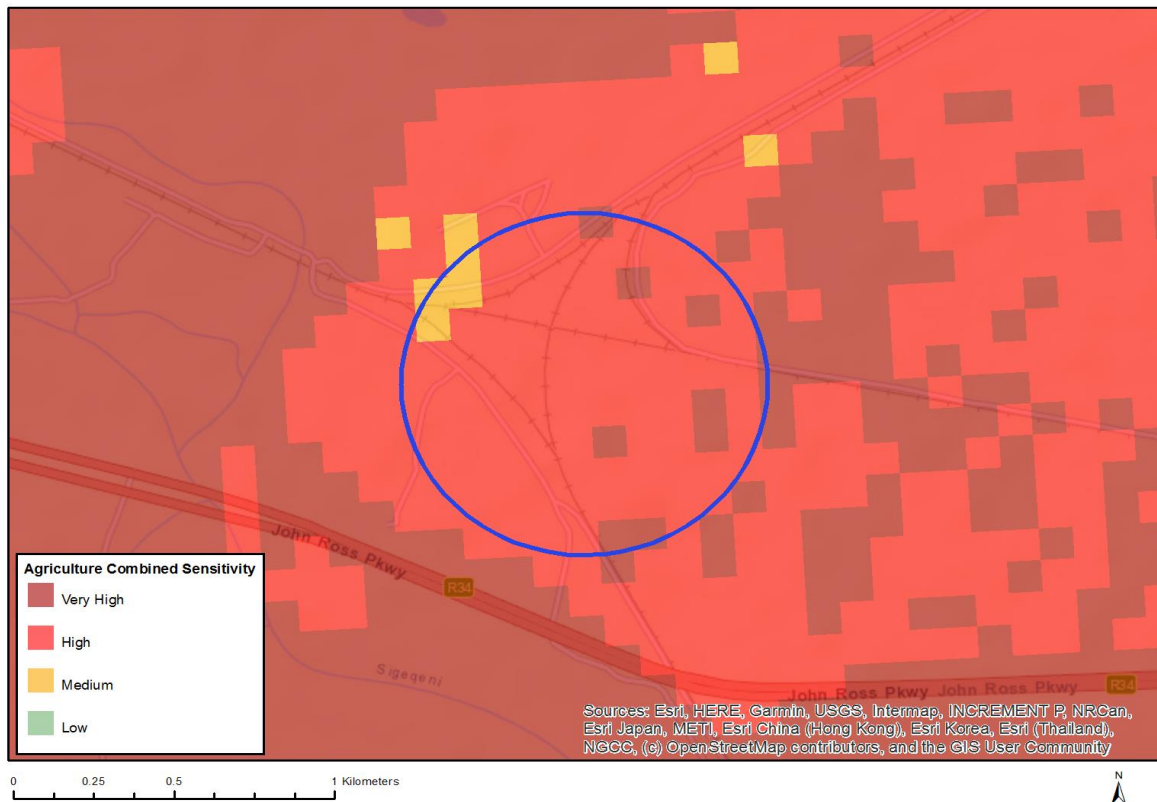
N o	Specialist assessment	Assessment Protocol
1	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
2	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
3	Palaeontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
4	Terrestrial Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/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	Hydrology Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
7	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf

	ent	
8	Plant Species Assessm ent	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
9	Animal Species Assessm ent	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Animal_Species_Assessment_Protocols.pdf

Results of the environmental sensitivity of the proposed area.

The following section represents the results of the screening for environmental sensitivity of the proposed site 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

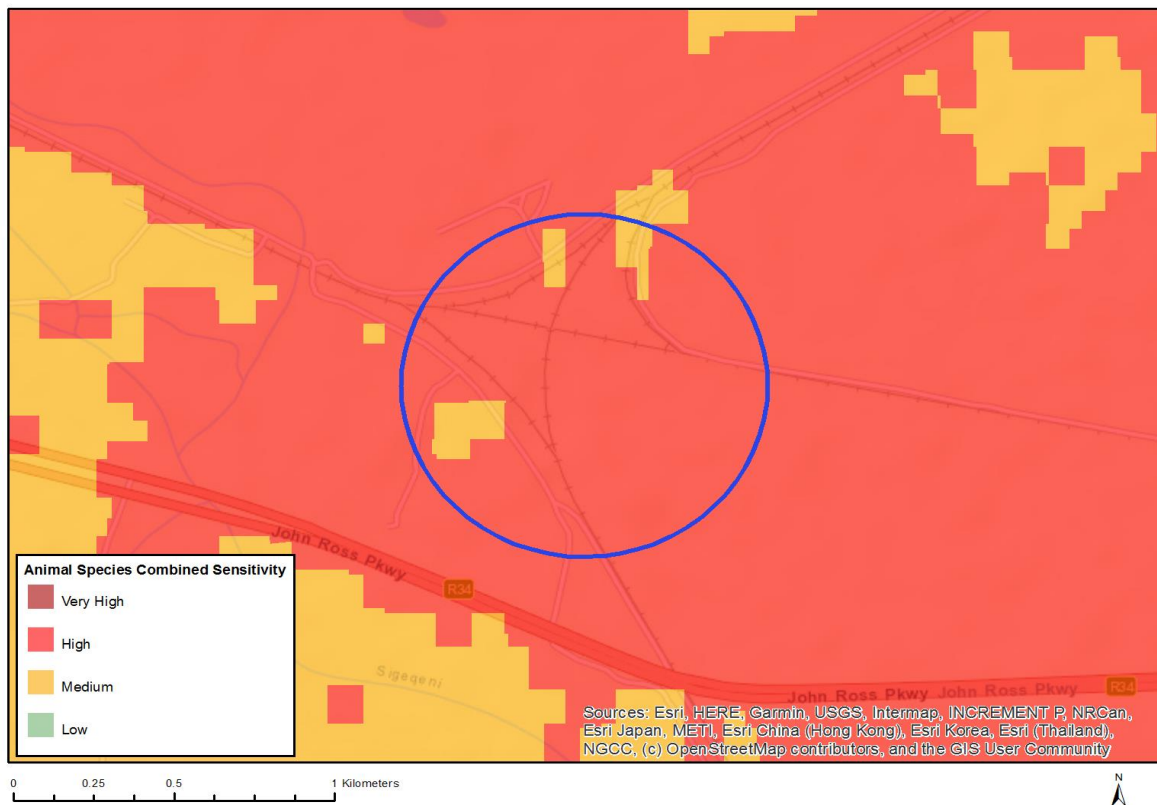


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
High	Land capability;09. Moderate-High/10. Moderate-High
Medium	Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate
Very High	Land capability;11. High/12. High-Very high/13. High-Very high/14. Very high/15. Very high

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY

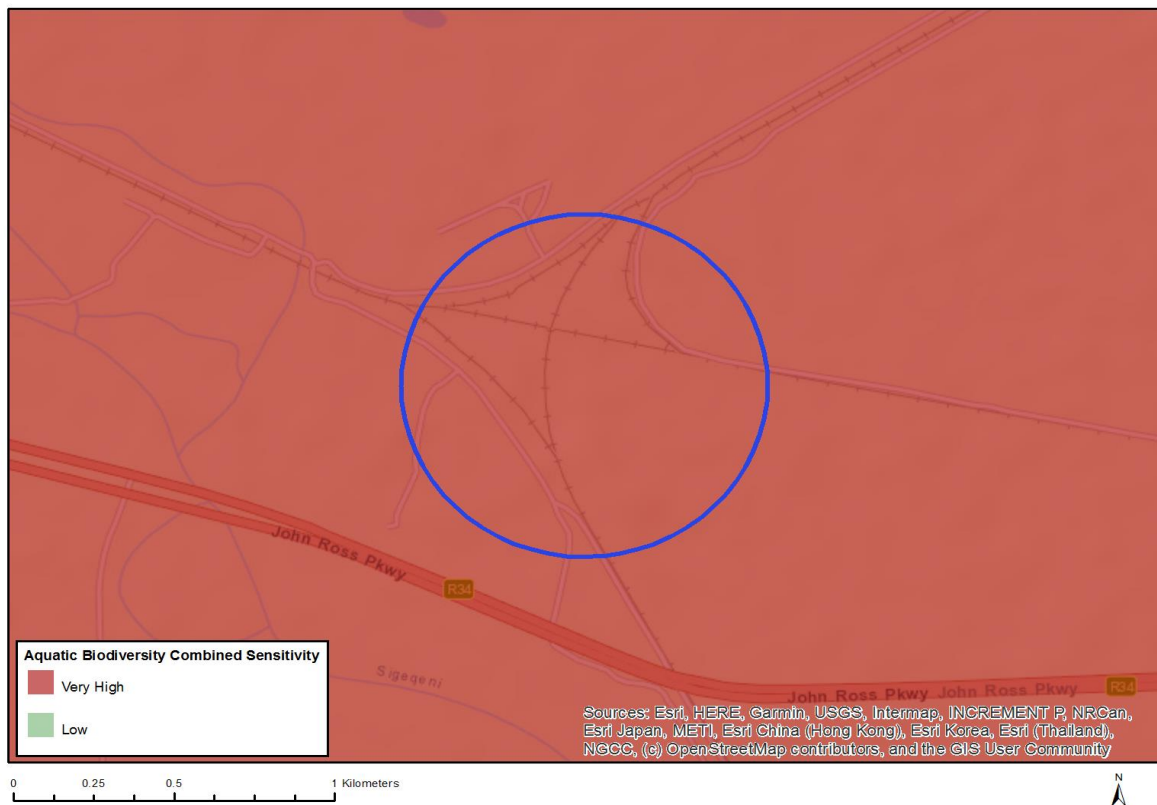


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Aves-Nettapus auritus
High	Sensitive species 9
High	Aves-Circus ranivorus
High	Amphibia-Hyperolius pickersgilli
High	Aves-Halcyon senegaloides
Medium	Invertebrate-Pomatonota dregii
Medium	Reptilia-Pelusios rhodesianus
Medium	Sensitive species 2
Medium	Sensitive species 5
Medium	Mammalia-Dendrohyrax arboreus
Medium	Invertebrate-Arytropteris basalis
Medium	Aves-Geokichla guttata
Medium	Amphibia-Hyperolius pickersgilli
Medium	Aves-Circaetus fasciolatus

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

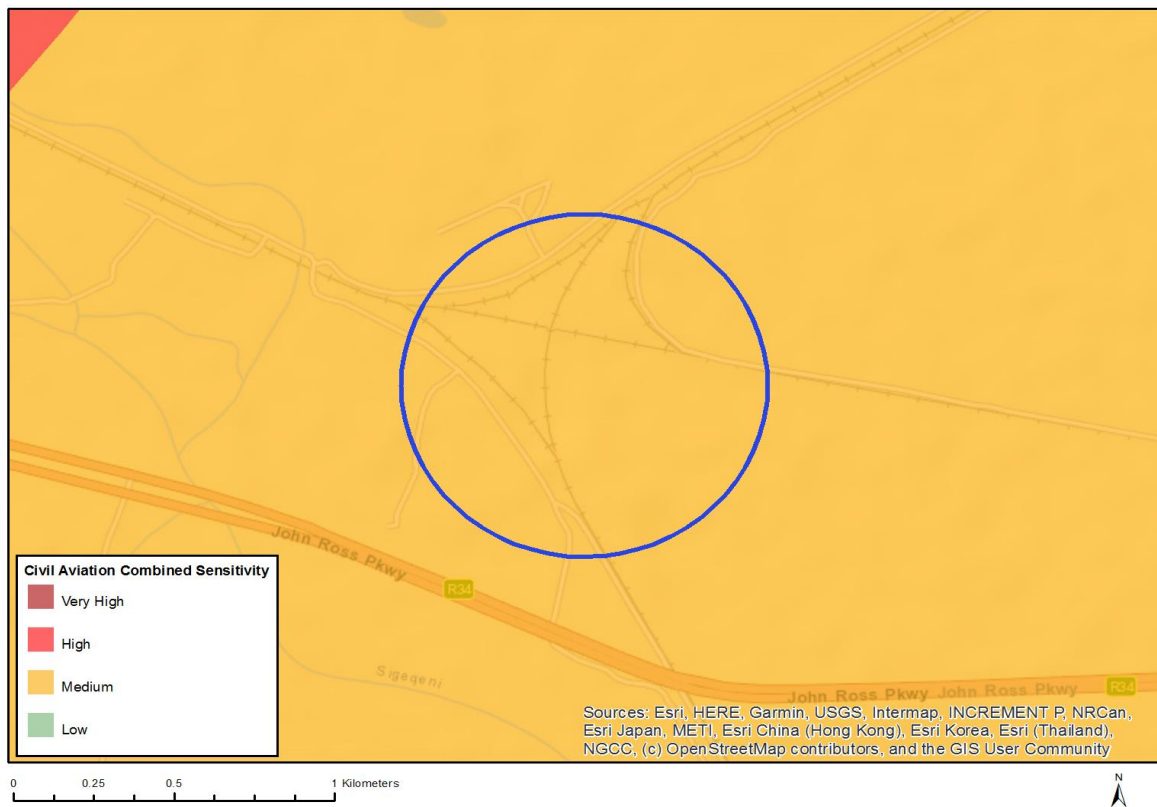


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Very High	Strategic water source area
Very High	Wetlands and Estuaries

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

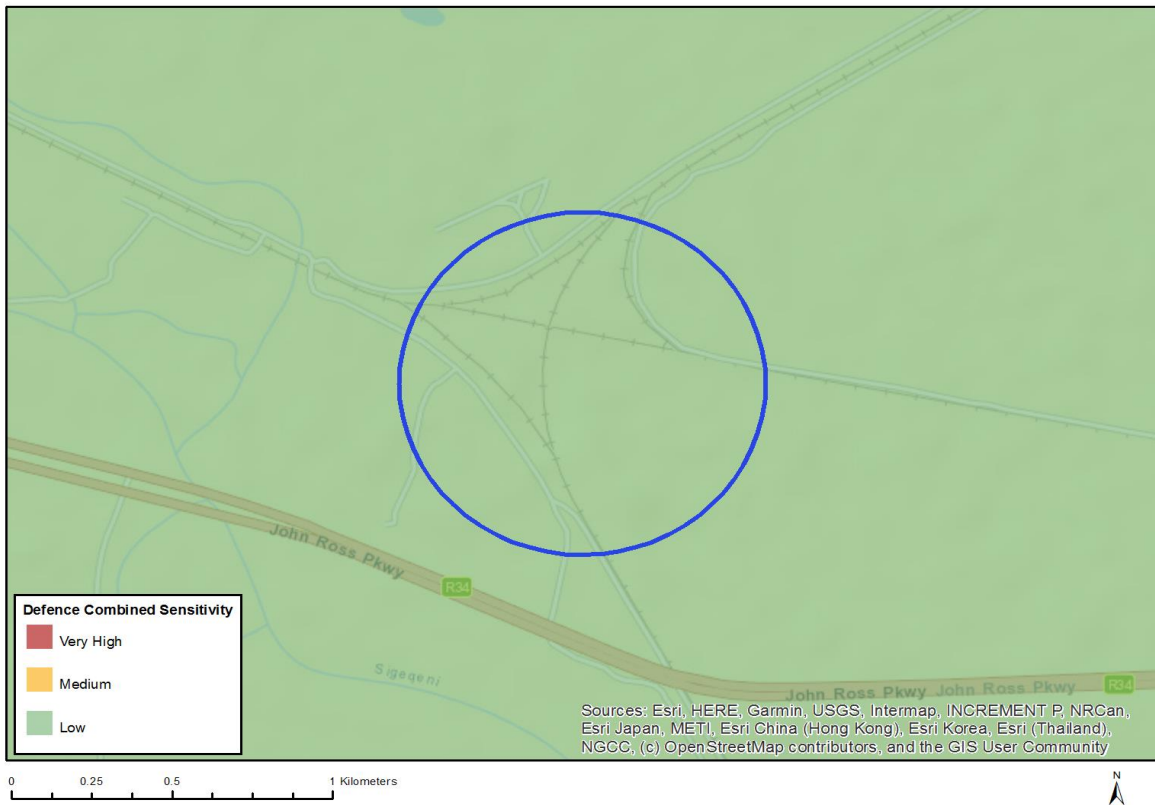


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Between 8 and 15 km of other civil aviation aerodrome

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

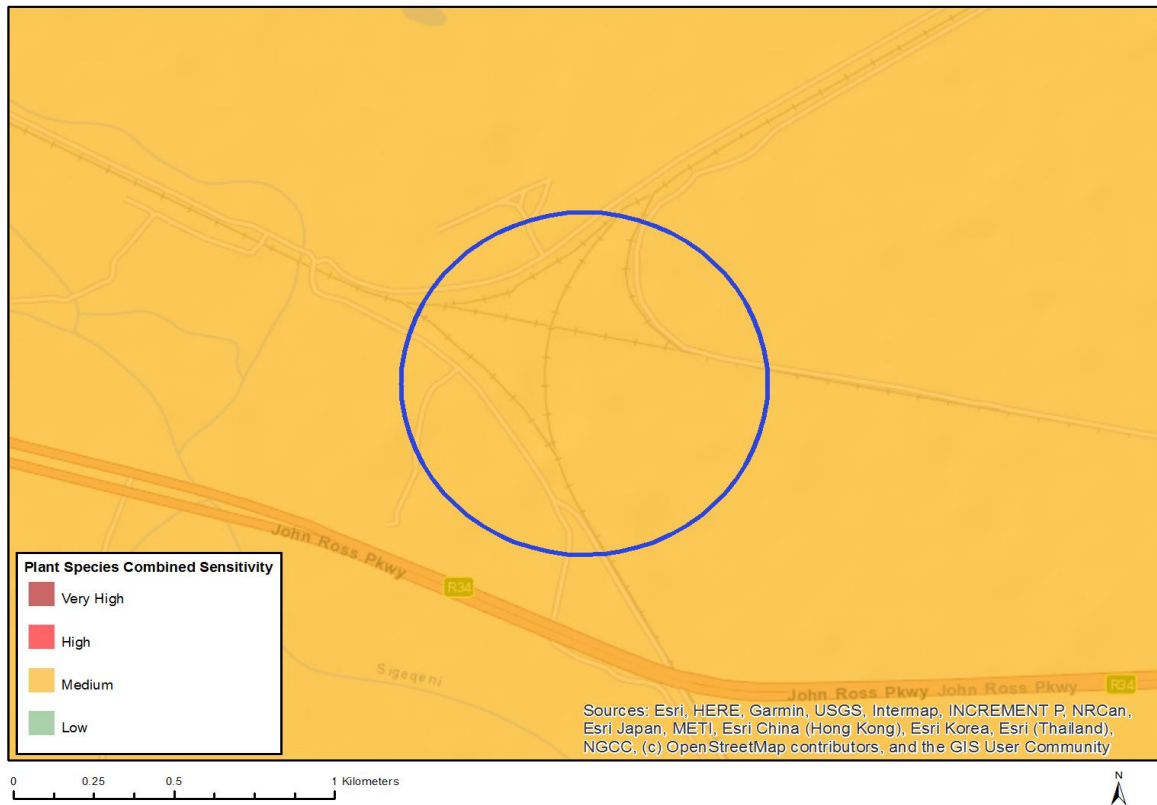


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY

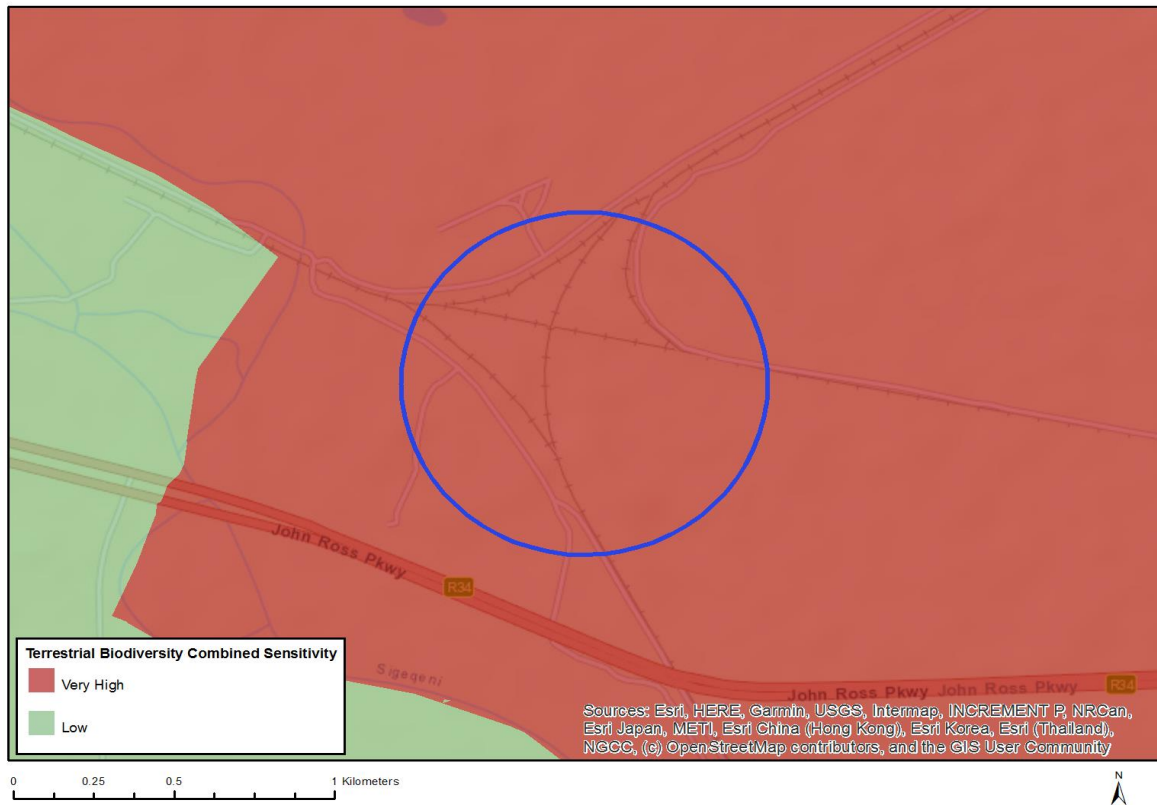


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	<i>Freesia laxa</i> subsp. <i>azurea</i>
Medium	Sensitive species 275
Medium	<i>Oxygonum dregeanum</i> subsp. <i>streyi</i>
Medium	<i>Pachycarpus concolor</i> subsp. <i>arenicola</i>
Medium	Sensitive species 471
Medium	<i>Nidorella tongensis</i>
Medium	<i>Senecio ngoyanus</i>
Medium	<i>Aspalathus gerrardii</i>
Medium	<i>Wolffiella denticulata</i>
Medium	<i>Thesium polygaloides</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	Critical Biodiversity Area
Very High	Focus Areas for land-based protected areas expansion
Very High	Critically endangered ecosystem