

**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: TBA

Project name: Olifantshoek 132kV Power Line

Project title: Olifantshoek 132kV Power Line

Date screening report generated: 17/02/2020 15:47:14

Applicant: Gamagara Local Municipality

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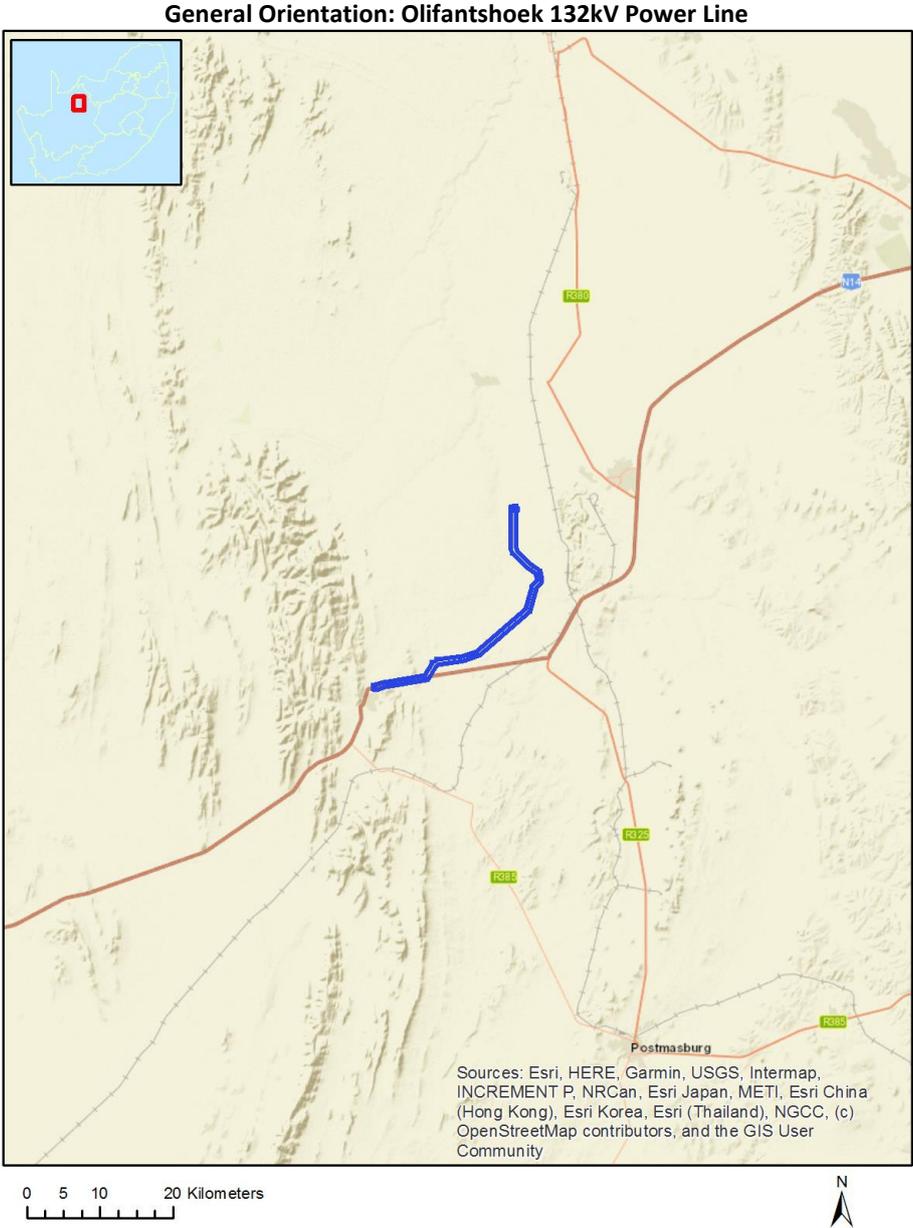
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Table of Contents

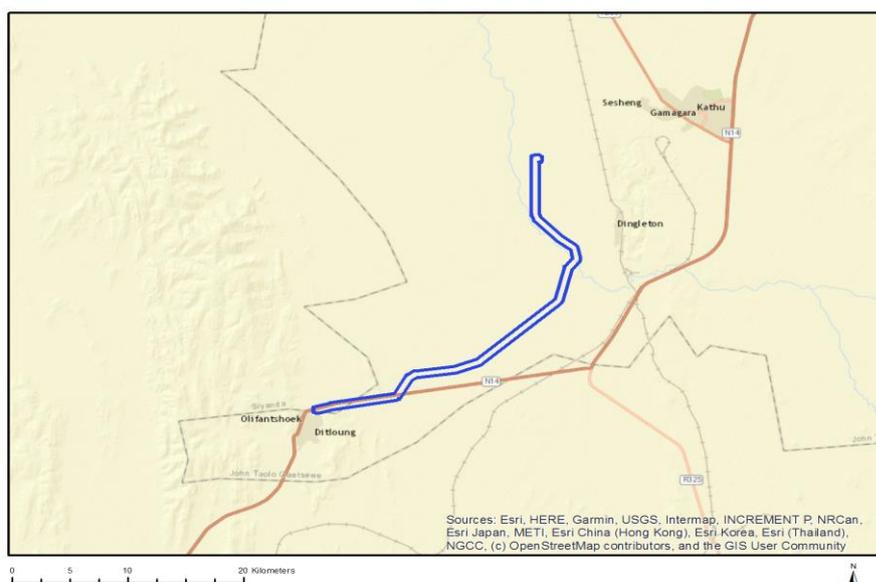
Proposed Project Location	3
Orientation map 1: General location	3
Map of proposed site and relevant area(s)	4
Cadastral details of the proposed site	4
Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area	5
Environmental Management Frameworks relevant to the application	6
Environmental screening results and assessment outcomes	6
Relevant development incentives, restrictions, exclusions or prohibitions	6
Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones	7
Proposed Development Area Environmental Sensitivity	7
Specialist assessments identified	8
Results of the environmental sensitivity of the proposed area	10
MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY	10
MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY	11
MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY	12
MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY	13
MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY	14
MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY	15
MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY	16
MAP OF RELATIVE DEFENCE THEME SENSITIVITY	17
MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY	18

Proposed Project Location

Orientation map 1: General location



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	OLIFANTSHOEK	548	0	27°56'1.02S	22°44'53.82E	Erven
2	OLIFANTSHOEK	2848	0	27°56'0.61S	22°45'1E	Erven
3	OLIFANTSHOEK	549	0	27°56'0.11S	22°45'8.66E	Erven
4	OLIFANTSHOEK	2847	0	27°56'0.22S	22°45'1.45E	Erven
5	OLIFANTSHOEK	2846	0	27°55'59.84S	22°45'1.89E	Erven
6	OLIFANTSHOEK	2845	0	27°55'59.45S	22°45'2.35E	Erven
7	OLIFANTSHOEK	2844	0	27°55'59.05S	22°45'2.79E	Erven
8	NEYLAN	574	0	27°55'51.04S	22°45'2.07E	Farm
9	DIERGAART'S HEUWEL	765	0	27°55'46.9S	22°46'24.59E	Farm
10	COX	571	0	27°55'2.55S	22°49'25.88E	Farm
11	MURRAY	570	0	27°53'53.78S	22°51'38.8E	Farm
12	FRITZ	540	0	27°45'53.91S	22°55'57.81E	Farm
13	HARTLEY	573	0	27°57'8.13S	22°47'25.53E	Farm
14	SMYTHE	566	0	27°52'50.97S	22°53'45.2E	Farm
15	NEYLAN	766	0	27°54'36.25S	22°45'21.73E	Farm
16	GAMAGARA	541	0	27°46'54.86S	22°58'6.26E	Farm
17	DINGLE	565	0	27°50'55.44S	22°55'42.49E	Farm
18	WRIGHT	538	0	27°47'23.38S	22°53'7.31E	Farm
19	COX	571	3	27°54'59.41S	22°48'33.52E	Farm Portion
20	HARTLEY	573	0	27°57'8.13S	22°47'25.53E	Farm Portion
21	HARTLEY	573	3	27°55'14.53S	22°48'8.4E	Farm Portion
22	FRITZ	540	10	27°44'14.78S	22°55'11.6E	Farm Portion
23	FRITZ	540	7	27°47'3.28S	22°55'36.26E	Farm Portion
24	FRITZ	540	5	27°45'26.11S	22°55'22.2E	Farm Portion
25	FRITZ	540	1	27°44'43.93S	22°54'51.53E	Farm Portion
26	WRIGHT	538	1	27°46'56.08S	22°52'47.91E	Farm Portion
27	FRITZ	540	6	27°47'38.68S	22°56'11.9E	Farm Portion
28	FRITZ	540	0	27°46'58.8S	22°56'25.85E	Farm Portion

29	NEYLAN	766	4	27°55'46.37S	22°44'41.31E	Farm Portion
30	FRITZ	540	0	27°47'54.13S	22°56'14.87E	Farm Portion
31	GAMAGARA	541	7	27°48'47.14S	22°57'2.18E	Farm Portion
32	MURRAY	570	2	27°54'22.27S	22°51'26.38E	Farm Portion
33	GAMAGARA	541	1	27°48'30.71S	22°57'10.97E	Farm Portion
34	GAMAGARA	541	0	27°48'27.33S	22°56'53.88E	Farm Portion
35	DINGLE	565	0	27°50'58.62S	22°55'41.56E	Farm Portion
36	NEYLAN	766	3	27°55'30.82S	22°46'14.05E	Farm Portion
37	FRITZ	540	1	27°44'38.79S	22°55'51.92E	Farm Portion
38	COX	571	0	27°54'29.75S	22°49'28.72E	Farm Portion
39	FRITZ	540	8	27°46'20.76S	22°55'13.08E	Farm Portion
40	FRITZ	540	2	27°46'26.06S	22°54'55.95E	Farm Portion
41	NEYLAN	766	7	27°55'23.54S	22°45'20.93E	Farm Portion
42	NEYLAN	574	1	27°55'52.02S	22°44'59.49E	Farm Portion
43	COX	571	1	27°55'56.17S	22°49'53.9E	Farm Portion
44	COX	571	4	27°55'7.8S	22°48'56.69E	Farm Portion
45	DINGLE	565	2	27°49'26.25S	22°57'27.66E	Farm Portion
46	FRITZ	540	9	27°45'25.3S	22°55'12.25E	Farm Portion
47	FRITZ	540	2	27°46'12.56S	22°55'31.56E	Farm Portion
48	FRITZ	540	4	27°47'25.99S	22°55'32.53E	Farm Portion
49	GAMAGARA	541	2	27°49'15.71S	22°57'39.66E	Farm Portion
50	NEYLAN	766	0	27°54'44.33S	22°45'23.25E	Farm Portion
51	MURRAY	570	0	27°53'33.5S	22°52'11.44E	Farm Portion
52	SMYTHE	566	0	27°52'23.68S	22°53'14.38E	Farm Portion
53	DIERGAART'S HEUWEL	765	0	27°55'46.9S	22°46'24.59E	Farm Portion
54	GAMAGARA	541	16	27°48'10.5S	22°56'56.92E	Farm Portion
55	GAMAGARA	541	0	27°47'4.12S	22°57'12.19E	Farm Portion
56	FRITZ	540	5	27°45'28.73S	22°55'0.21E	Farm Portion

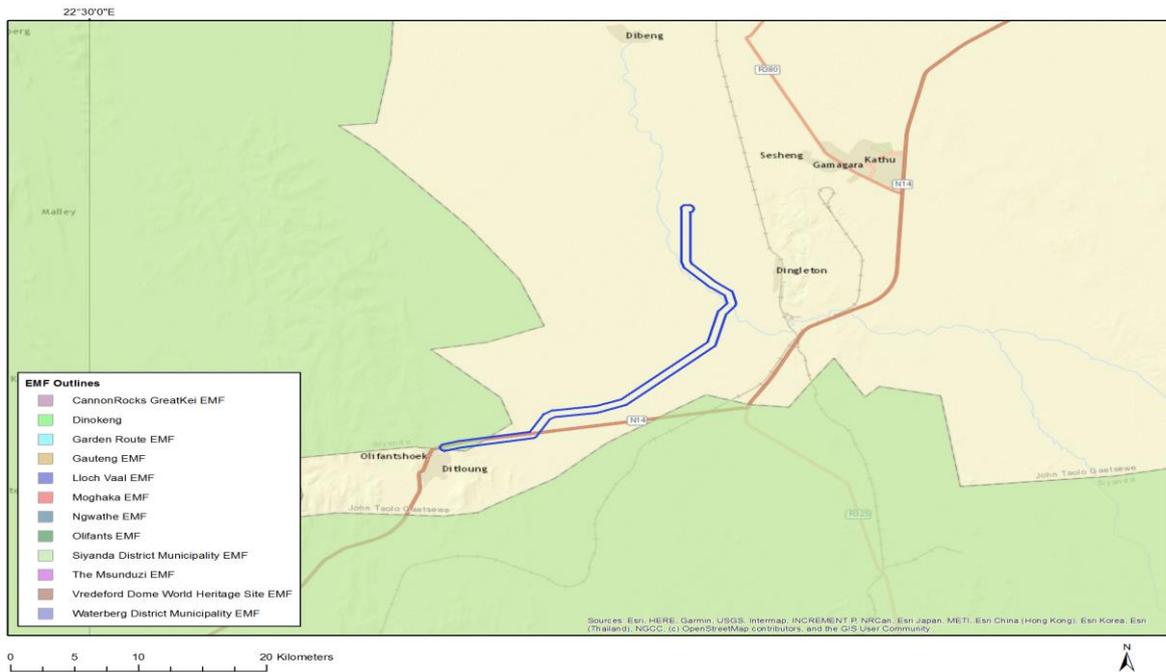
Development footprint¹ vertices:
No development footprint(s) specified.

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

No	EIA Reference No	Classification	Status of application	Distance from proposed area (km)
1	12/12/20/1994/2	Solar PV	Approved	12.7
2	14/12/16/3/3/2/273	Solar PV	Approved	15
3	12/12/20/1858/1	Solar PV	Approved	15
4	12/12/20/1994/1	Solar PV	Approved	12.7
5	12/12/20/1858/2	Solar PV	Approved	15
6	12/12/20/1994/3	Solar PV	Approved	12.7
7	12/12/20/1860	Solar PV	Approved	15
8	12/12/20/1906	Solar PV	Approved	17.6
9	12/12/20/1994	Solar PV	Approved	12.7
10	14/12/16/3/3/2/819	Solar PV	Approved	14.9
11	14/12/16/3/3/2/820	Solar PV	Approved	13.7

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



Environmental Management Framework	LINK
Siyanda District Municipality EMF	https://screening.environment.gov.za/ScreeningDownloads/EMF/SIYANDA_EMF_REPORT_2008.doc

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: Utilities Infrastructure | Electricity | Distribution and Transmission | Powerline | Powerline.

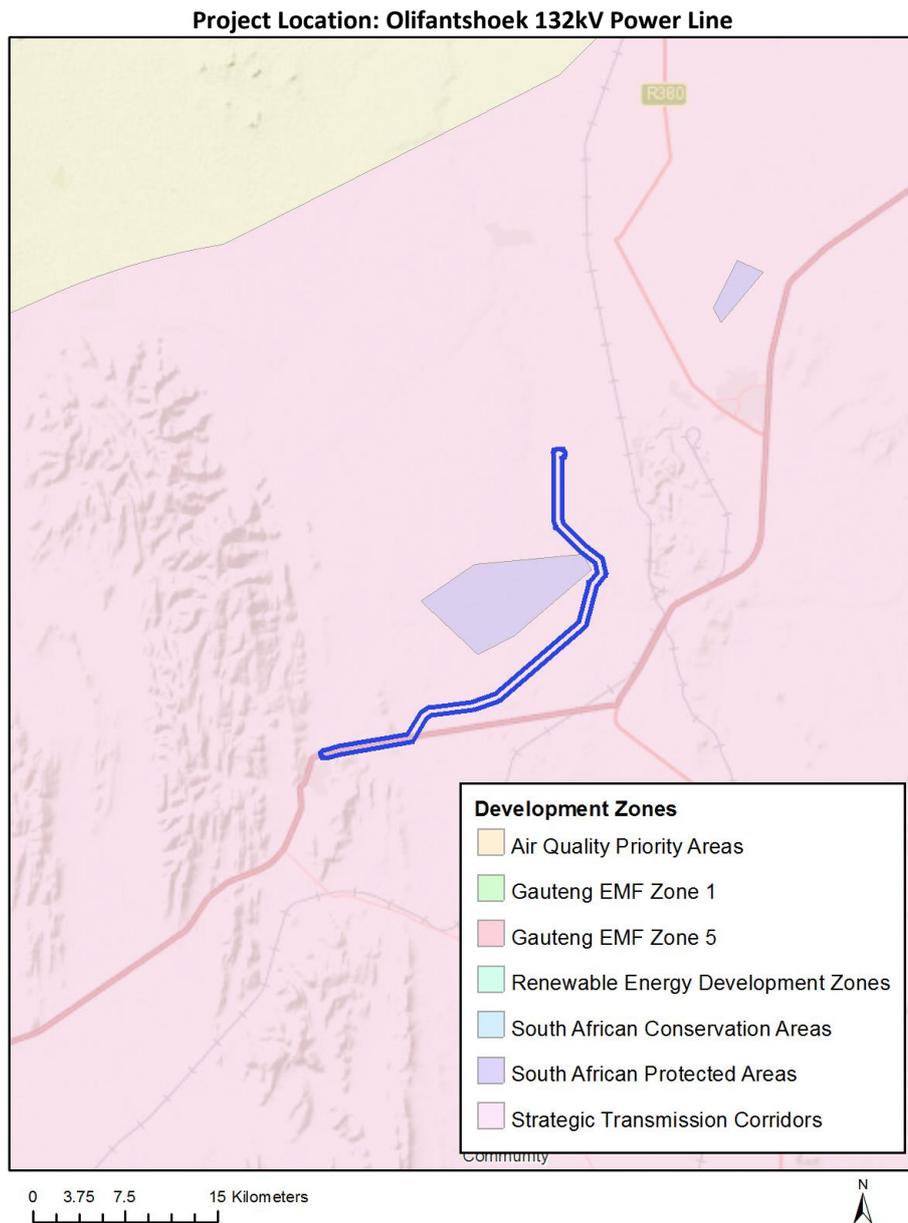
Relevant development incentives, restrictions, exclusions or prohibitions

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

Incentive, restriction or prohibition	Implication

ion	
Strategic Transmission Corridor-Northern corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/GNR_350_of_13_April_2017.pdf

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



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			
Archaeological and Cultural Heritage Theme			X	
Civil Aviation Theme		X		
Paleontology Theme			X	
Plant Species Theme				X
Defence 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.

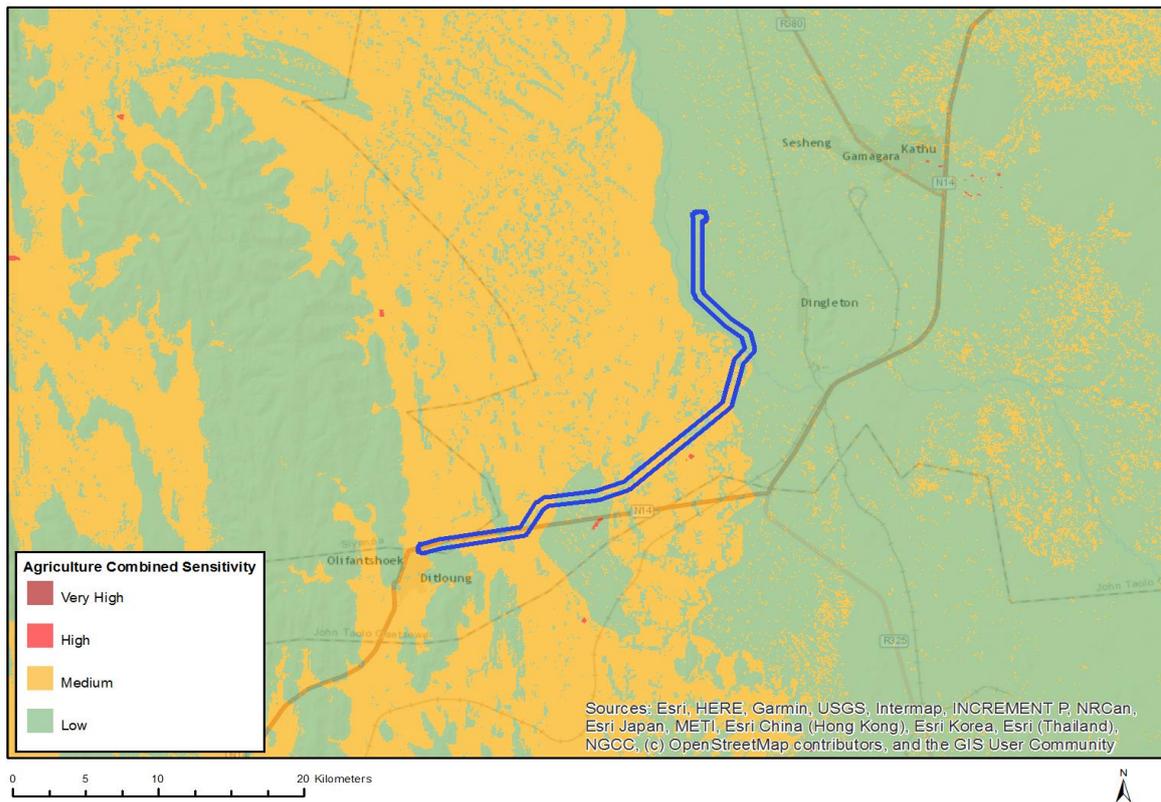
N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted Agriculture Assessment Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
3	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
4	Palaeontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted General Requirement Assessment Protocols.pdf
5	Terrestrial Biodiversity	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted Terrestrial Biodiversity Assessment Protocols.pdf

	sity Impact Assess ment	
6	Aquatic Biodiver sity Impact Assess ment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_Aquatic_Biodiversity_Assessment.pdf
7	Avian Impact Assess ment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf
8	Civil Aviation Assess ment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_Civil_Aviation_Installations_Assessment_Protocols.pdf
9	RFI Assess ment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf
1 0	Geotec hnical Assess ment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf
1 1	Plant Species Assess ment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_Assessment_Protocols.pdf
1 2	Animal Species Assess ment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/DraftGazetted_General_Requirement_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

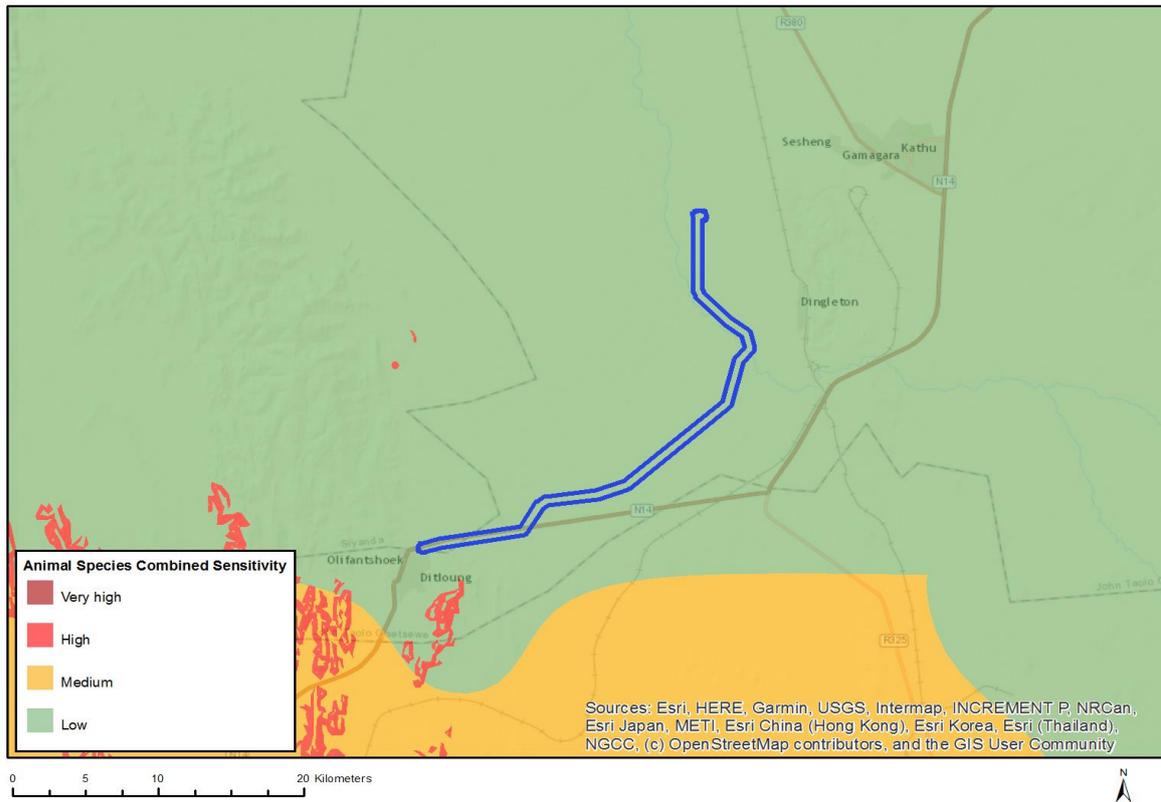


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Low	Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low
Medium	Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY

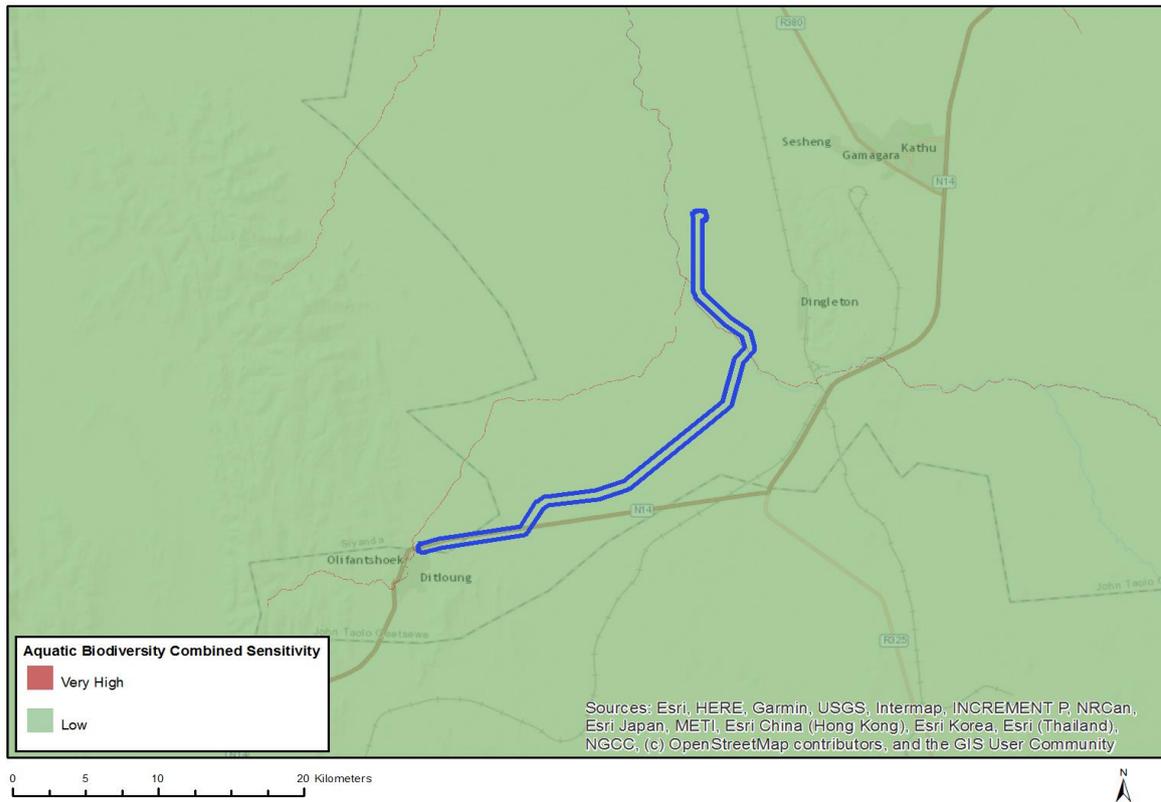


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

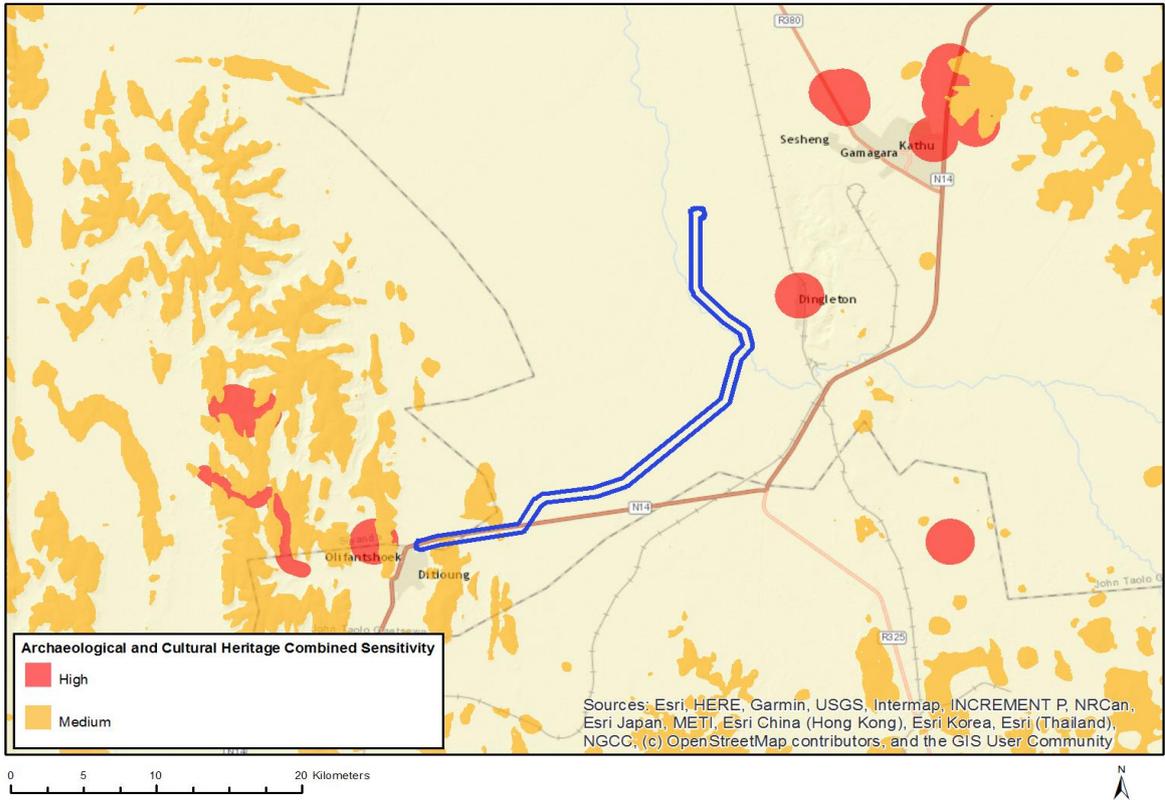


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity Areas
Very High	CBA, River, Ga-Mogara

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

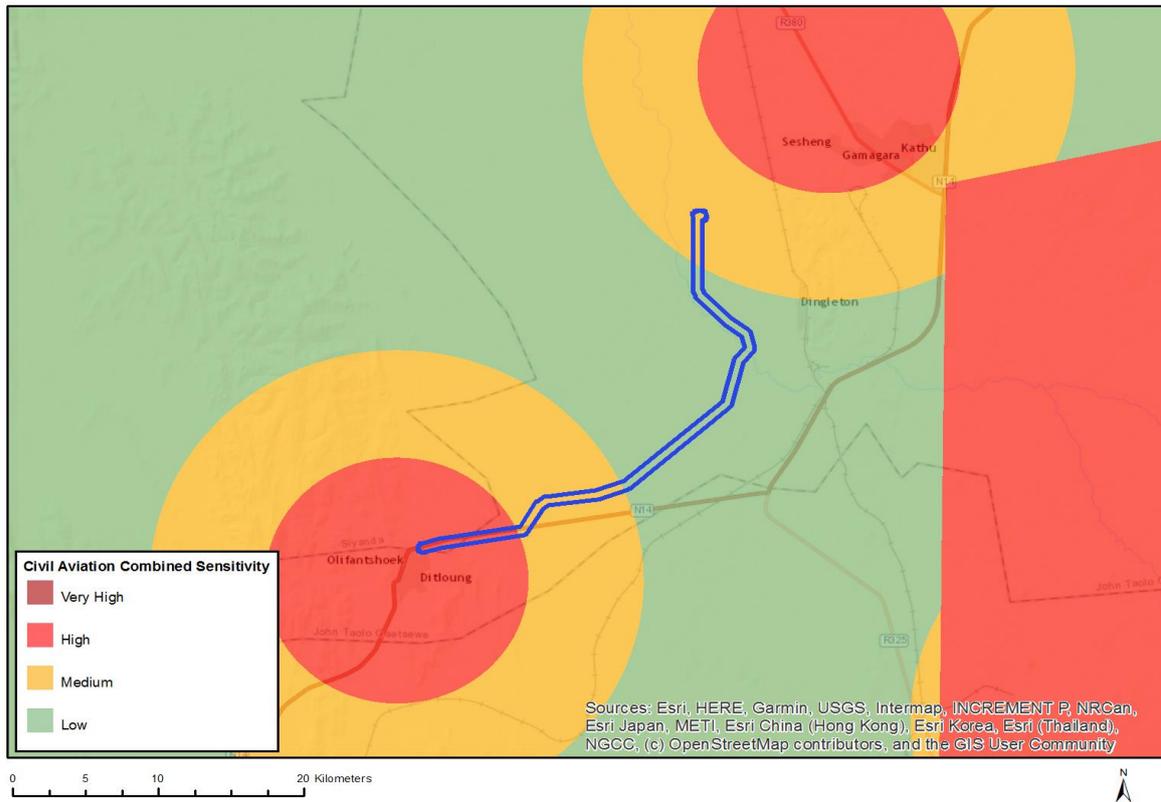


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Mountain or ridge

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

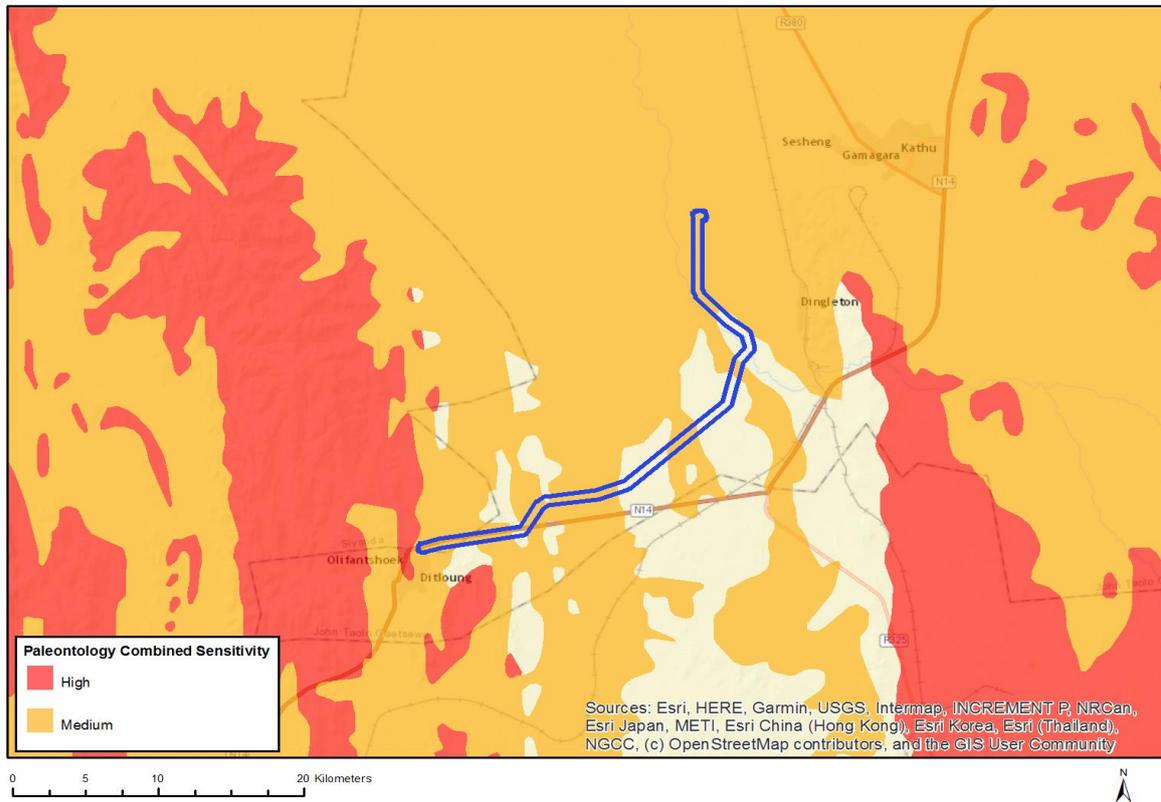


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

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

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

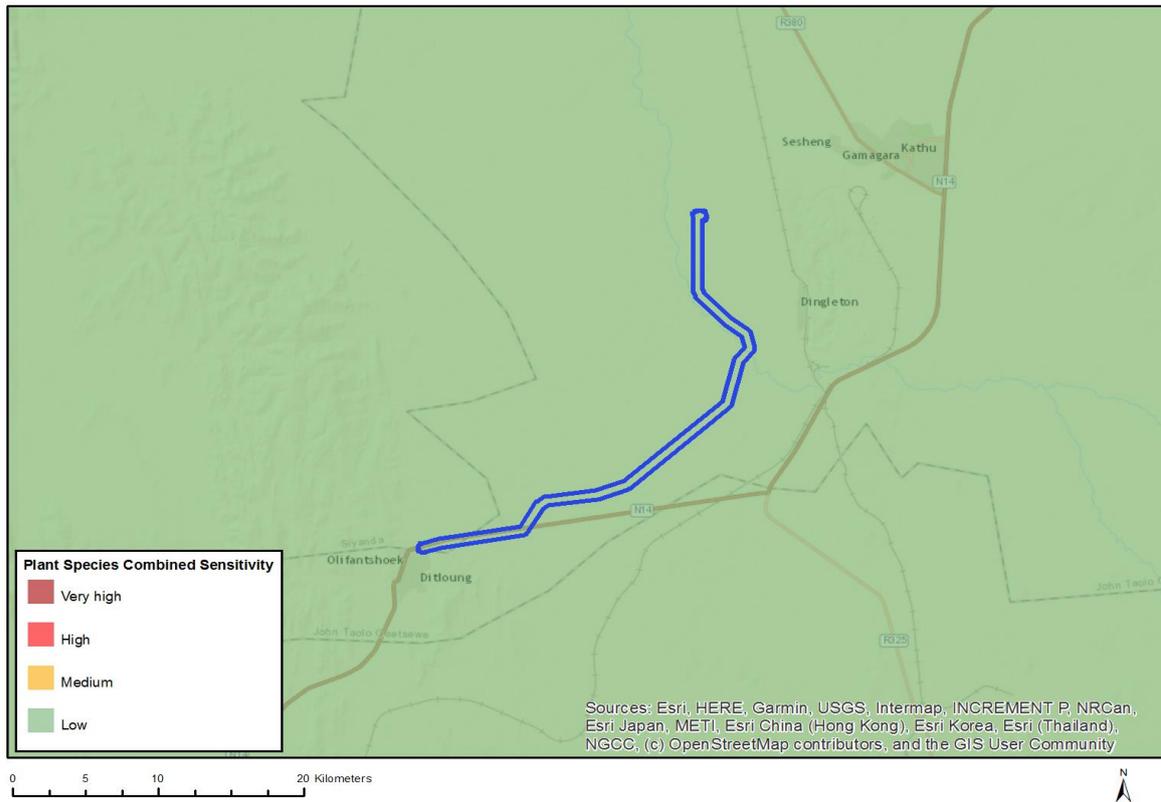


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Rock units with a medium paleontological sensitivity

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY

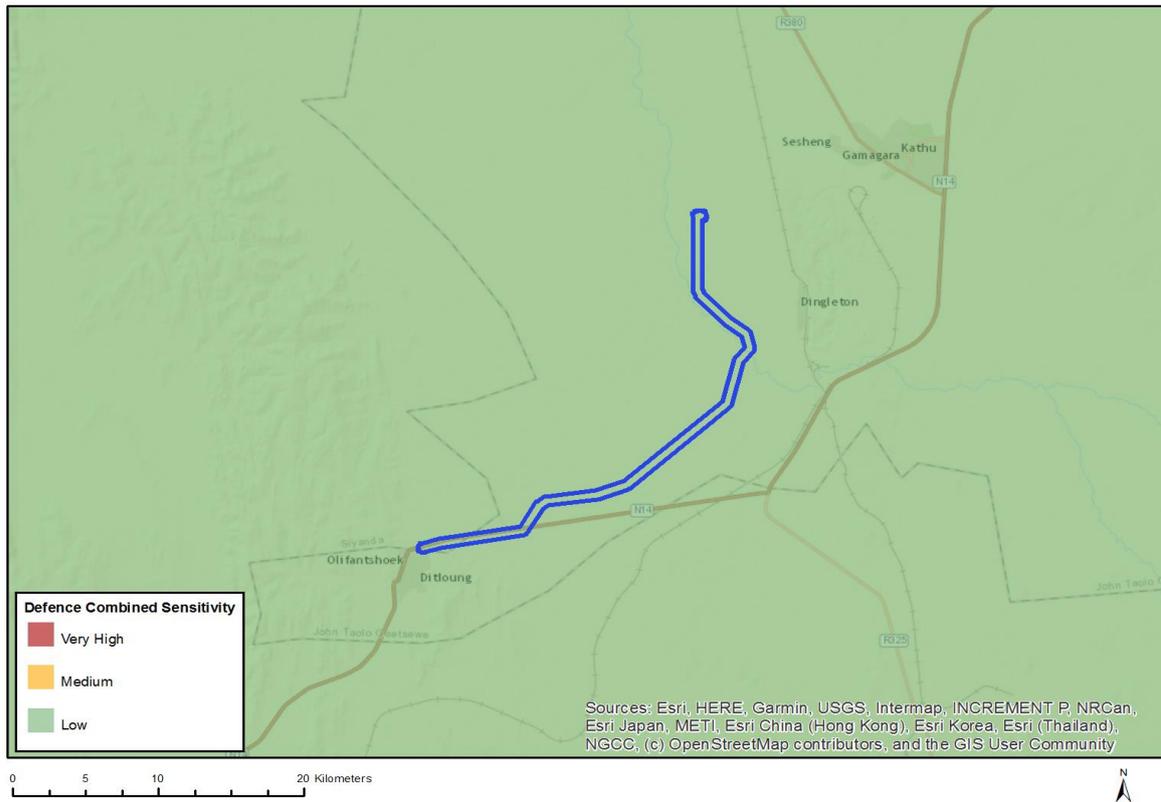


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

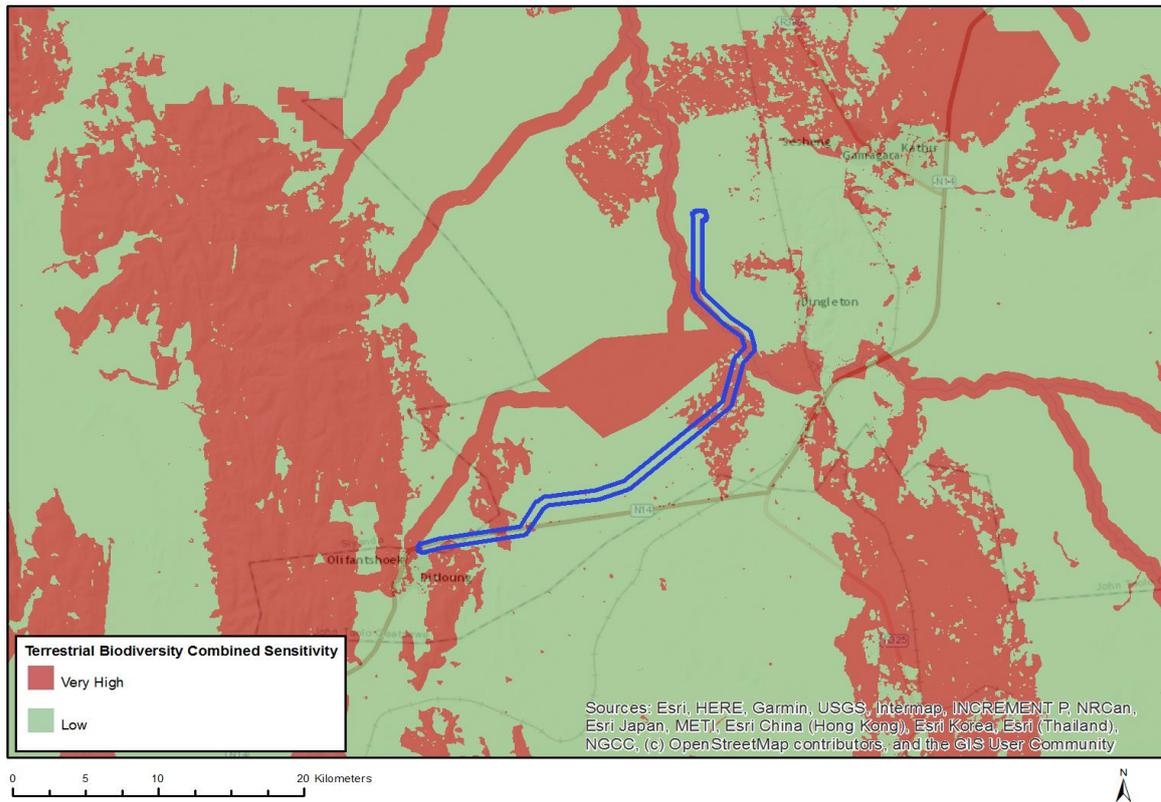


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
X			

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity
Very High	Ecological Support Area