

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

EIA Reference number:

Project name: St Helena Pipelines BA and WUL

Project title: Harmony St Helena Pipelines Project

Date screening report generated: 09/02/2026 11:52:07

Applicant: Harmony

Compiler: Dr Lucien James

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Application Category: Utilities Infrastructure | Pipelines | Water | Waste Water



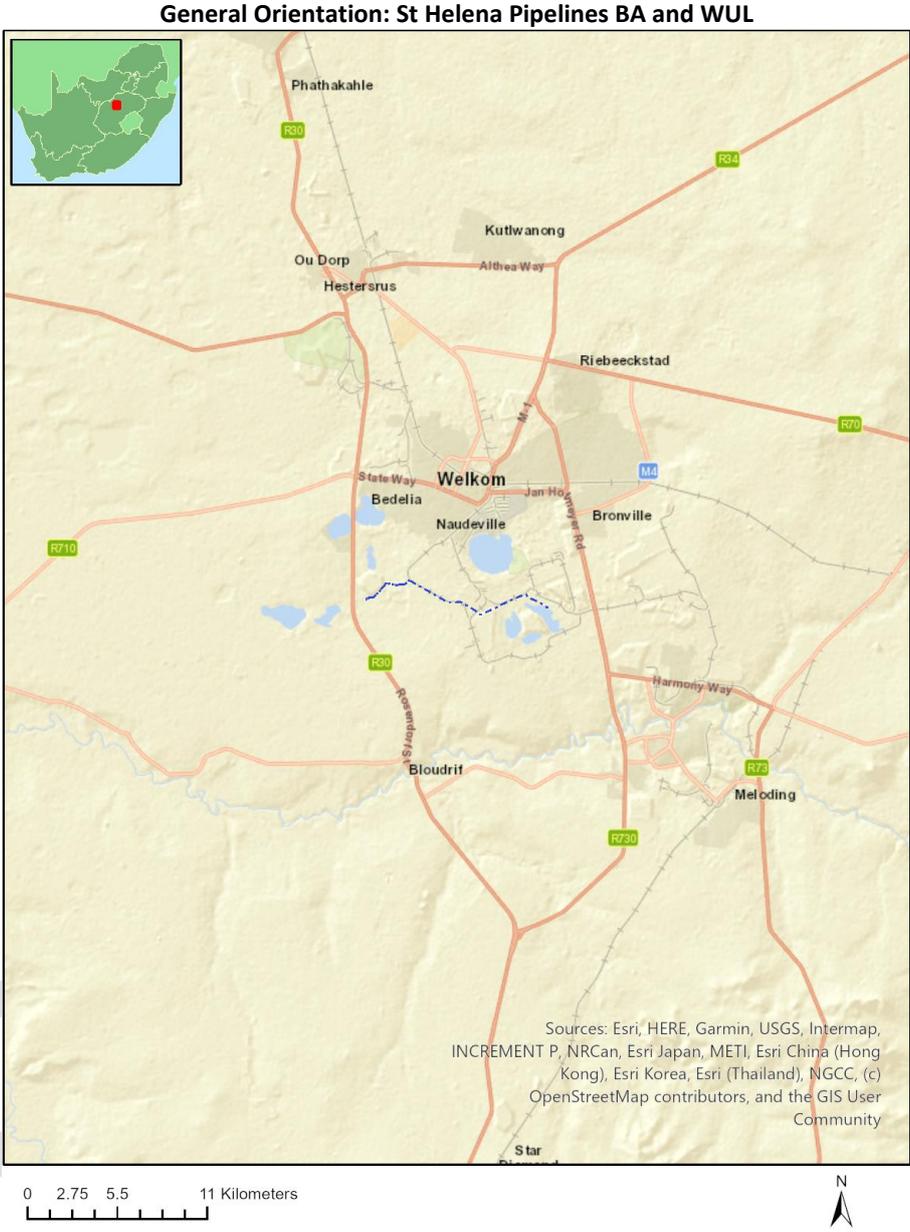
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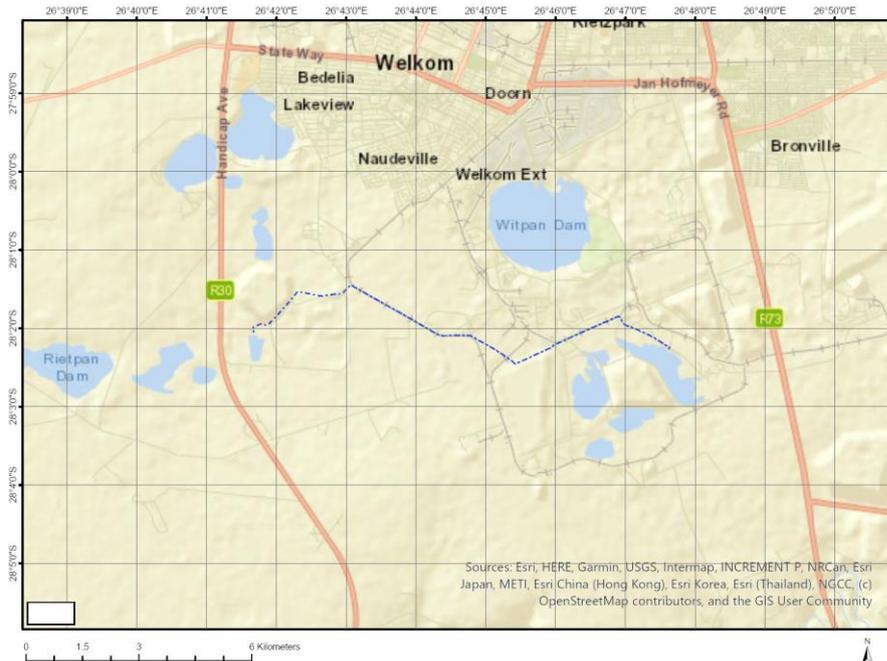
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Proposed Project Location

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	KLIPPAN	14	0	28°1'45.3S	26°47'57.94E	Farm
2	ST. HELENA	42	0	28°1'55.57S	26°42'43.43E	Farm
3	MARMAGELI	20	0	28°1'50.89S	26°45'11.21E	Farm
4	STUIRMANSHIP	92	0	28°2'34.67S	26°46'12.39E	Farm
5	KLIPPAN	14	2	28°2'10.14S	26°47'43.56E	Farm Portion
6	MARMAGELI	20	0	28°1'49.66S	26°45'15.56E	Farm Portion
7	ST. HELENA	42	3	28°2'13.11S	26°43'53.48E	Farm Portion
8	ST. HELENA	42	6	28°2'1.42S	26°42'20.94E	Farm Portion
9	ST. HELENA	42	2	28°1'26.02S	26°42'49.38E	Farm Portion
10	ST. HELENA	42	1	28°1'45.77S	26°41'41.33E	Farm Portion
11	ST. HELENA	42	5	28°2'5.37S	26°42'15.78E	Farm Portion
12	ST. HELENA	42	4	28°1'53.19S	26°42'56.16E	Farm Portion
13	STUIRMANSHIP	92	1	28°2'57.2S	26°45'45.05E	Farm Portion
14	STUIRMANSHIP	92	0	28°1'57.91S	26°46'22.14E	Farm Portion
15	STUIRMANSHIP	92	0	28°1'59.96S	26°46'23.7E	Farm Portion

Development footprint¹ vertices:

No development footprint(s) specified.

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.

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	14/12/16/3/3/1/2410	Solar PV	Approved	9.5
2	12/12/20/2667	Solar PV	Approved	26.6
3	14/12/16/3/3/2/2322	Solar PV	Approved	18.4
4	14/12/16/3/3/2/515	Solar PV	Approved	28.5
5	14/12/16/3/3/1/1322	Solar PV	Approved	29.8
6	14/12/16/3/3/2/2297	Solar PV	Approved	15.2
7	14/12/16/3/3/2/2218	Solar PV	Approved	16.1
8	14/12/16/3/3/2/2087	Solar PV	Approved	18
9	14/12/16/3/3/1/1472	Solar PV	Approved	12.2
10	14/12/16/3/3/2/2215	Solar PV	Approved	19.4
11	14/12/16/3/3/2/2214	Solar PV	Approved	15.2
12	14/12/16/3/3/2/2422	Solar PV	Approved	17.3
13	14/12/16/3/3/2/2589	Solar PV	Approved	21.6
14	14/12/16/3/3/2/2414	Solar PV	Approved	16.3
15	12/12/20/2669/A	Solar PV	Approved	12.5
16	14/12/16/3/3/2/2423	Solar PV	Approved	17.3
17	14/12/16/3/3/2/2099	Solar PV	Approved	29.3
18	14/12/16/3/3/2/2221	Solar PV	Approved	19.8
19	14/12/16/3/3/2/581	Solar PV	Approved	15.3
20	14/12/16/3/3/2/2217	Solar PV	Approved	17.1
21	14/12/16/3/3/2/2100	Solar PV	Approved	29.3
22	14/12/16/3/3/2/2233	Solar PV	Approved	21.6
23	14/12/16/3/3/1/1471	Solar PV	Approved	10.4
24	14/12/16/3/3/2/2220	Solar PV	Approved	15.2
25	12/12/20/2668	Solar PV	Approved	26.6
26	14/12/16/3/3/2/2421	Solar PV	Approved	17.8
27	14/12/16/3/3/2/2429	Solar PV	Approved	9.6
28	14/12/16/3/3/2/526	Solar PV	Approved	15.1
29	14/12/16/3/3/2/2163	Solar PV	Approved	15.1
30	14/12/16/3/3/2/2428	Solar PV	Approved	18.8
31	14/12/16/3/3/2/2091	Solar PV	Approved	13.1
32	14/12/16/3/3/2/2415	Solar PV	Approved	11.5
33	12/12/20/2669	Solar PV	Approved	12.5
34	14/12/16/3/3/2/2101	Solar PV	Approved	29.3
35	14/12/16/3/3/1/2399	Solar PV	Approved	26.6
36	14/12/16/3/3/2/580	Solar PV	Approved	10.5
37	12/12/20/2666/A	Solar PV	Approved	18.7
38	14/12/16/3/3/2/512	Solar PV	Approved	20.2
39	14/12/16/3/3/2/2219	Solar PV	Approved	19
40	12/12/20/2666	Solar PV	Approved	18.7
41	14/12/16/3/3/2/2299	Solar PV	Approved	15.2
42	14/12/16/3/3/2/2230	Solar PV	Approved	13
43	14/12/16/3/3/1/1444	Solar PV	Approved	19.4
44	14/12/16/3/3/2/2420	Solar PV	Approved	22.2
45	14/12/16/3/3/1/1471/AM1	Solar PV	Approved	10.4
46	14/12/16/3/3/1/2772	Solar PV	Approved	18
47	14/12/16/3/3/2/2283	Solar PV	Approved	15.2

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:

Utilities Infrastructure | Pipelines | Water | Waste Water.

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
Strategic Transmission Corridor-Central corridor	https://screening.environment.gov.za/ScreeningDownloads/DevelopmentZones/Combined_EGI.pdf

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		
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 site situation.

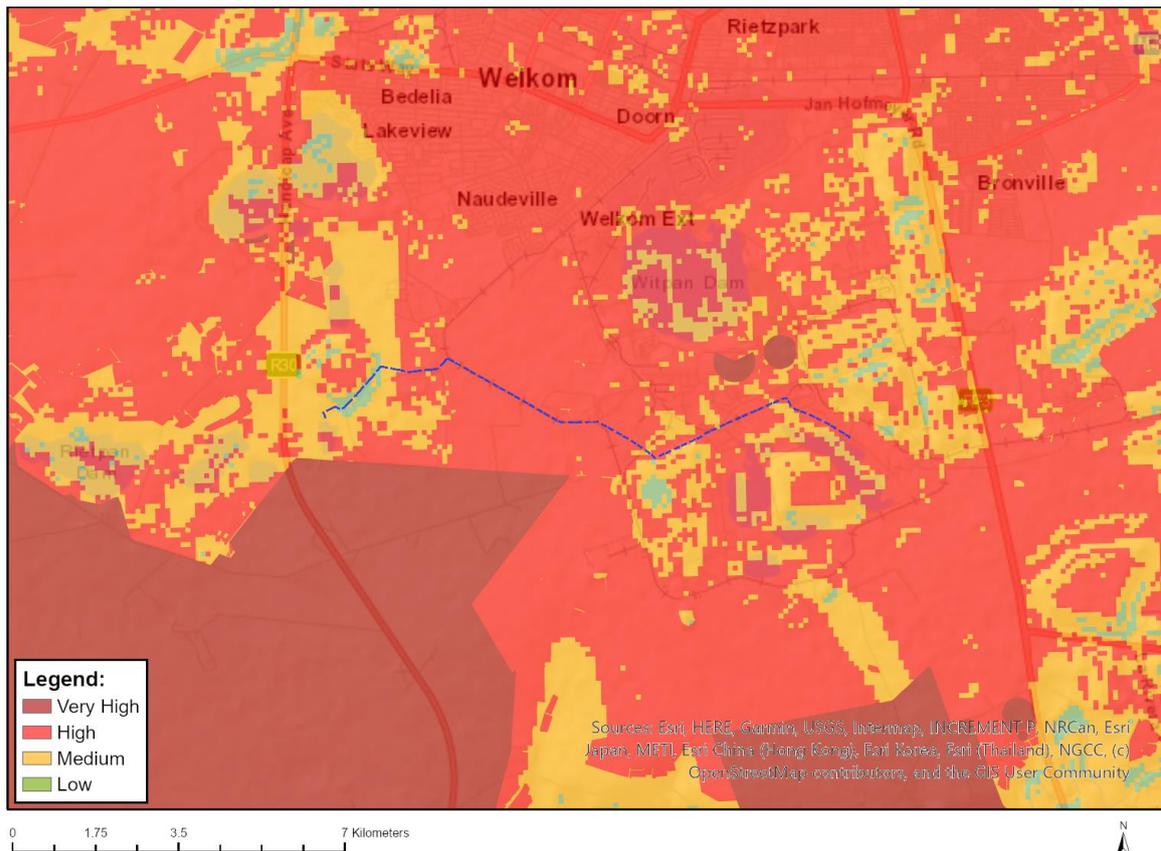
No	Specialist	Assessment Protocol
----	------------	---------------------

	assessment	
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/GuidanceforHIA.pdf
3	Palaeontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/GuidanceforPIA.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	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
8	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
9	Seismicity Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
10	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Plant_Species_Assessment_Protocols.pdf
11	Animal Species Assessment	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

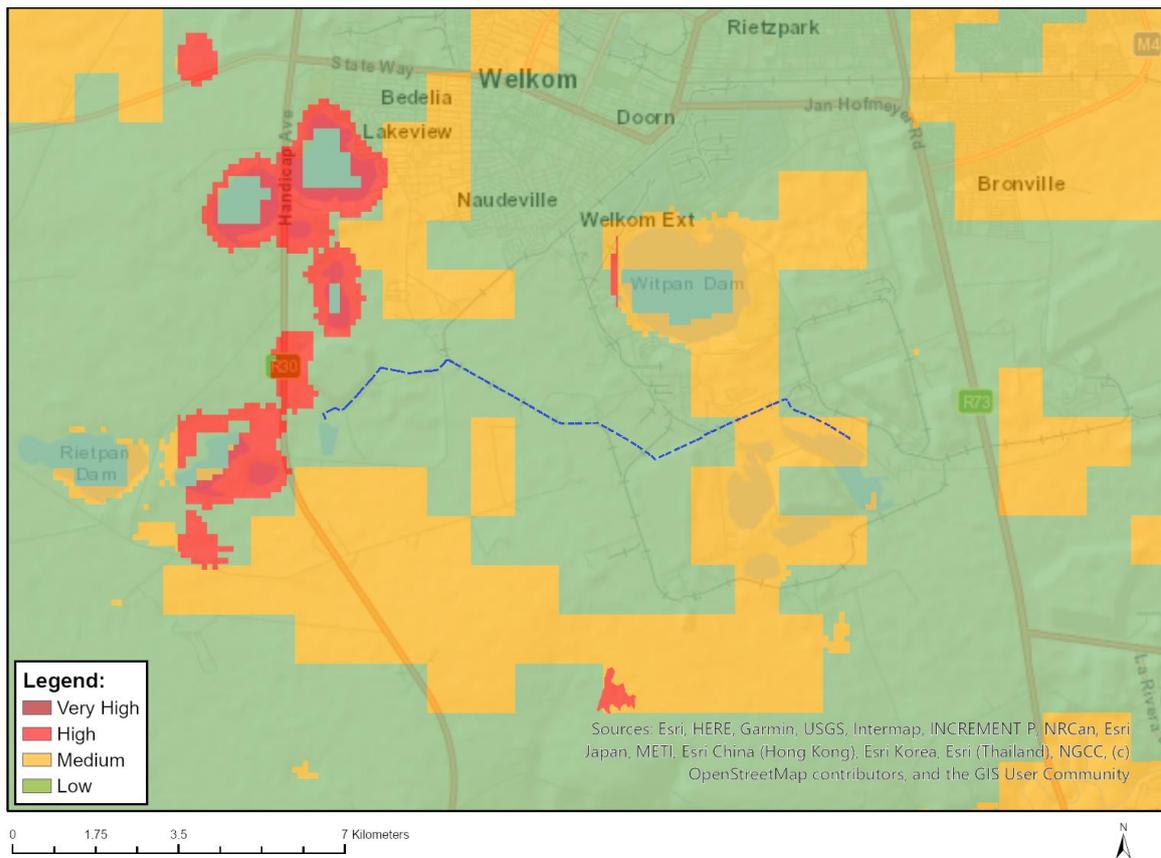


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	09. Moderate-High
High	08. Moderate
Low	05. Low
Medium	07. Low-Moderate
Medium	06. Low-Moderate

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



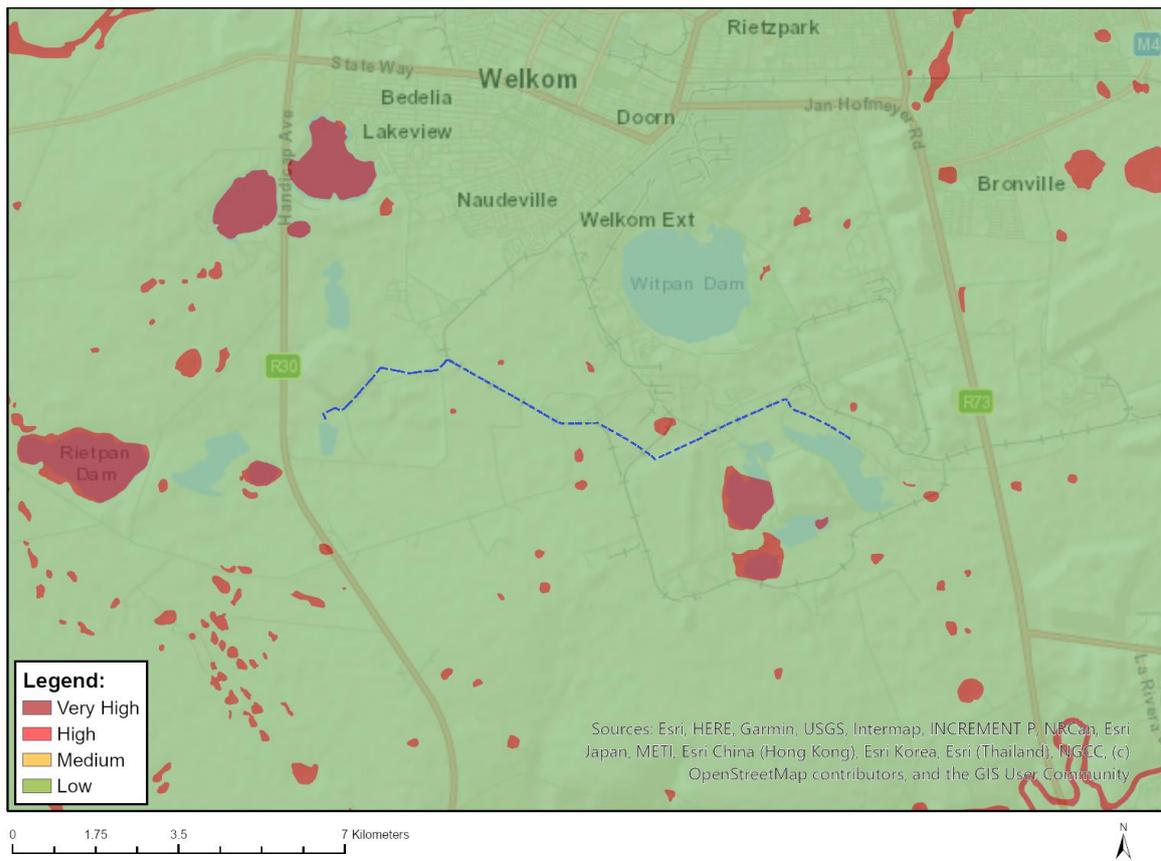
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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)
Low	Subject to confirmation
Medium	Mammalia-Hydriectis maculicollis
Medium	Sensitive species 15

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

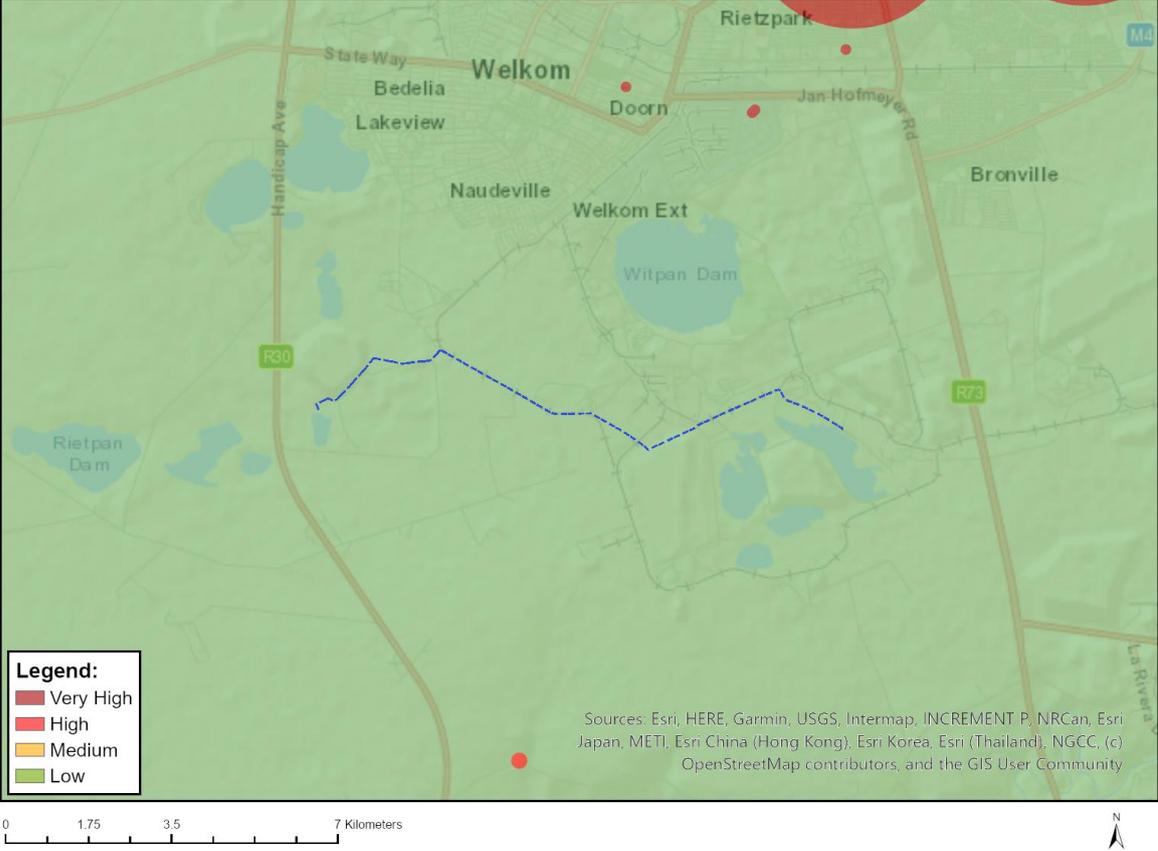


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

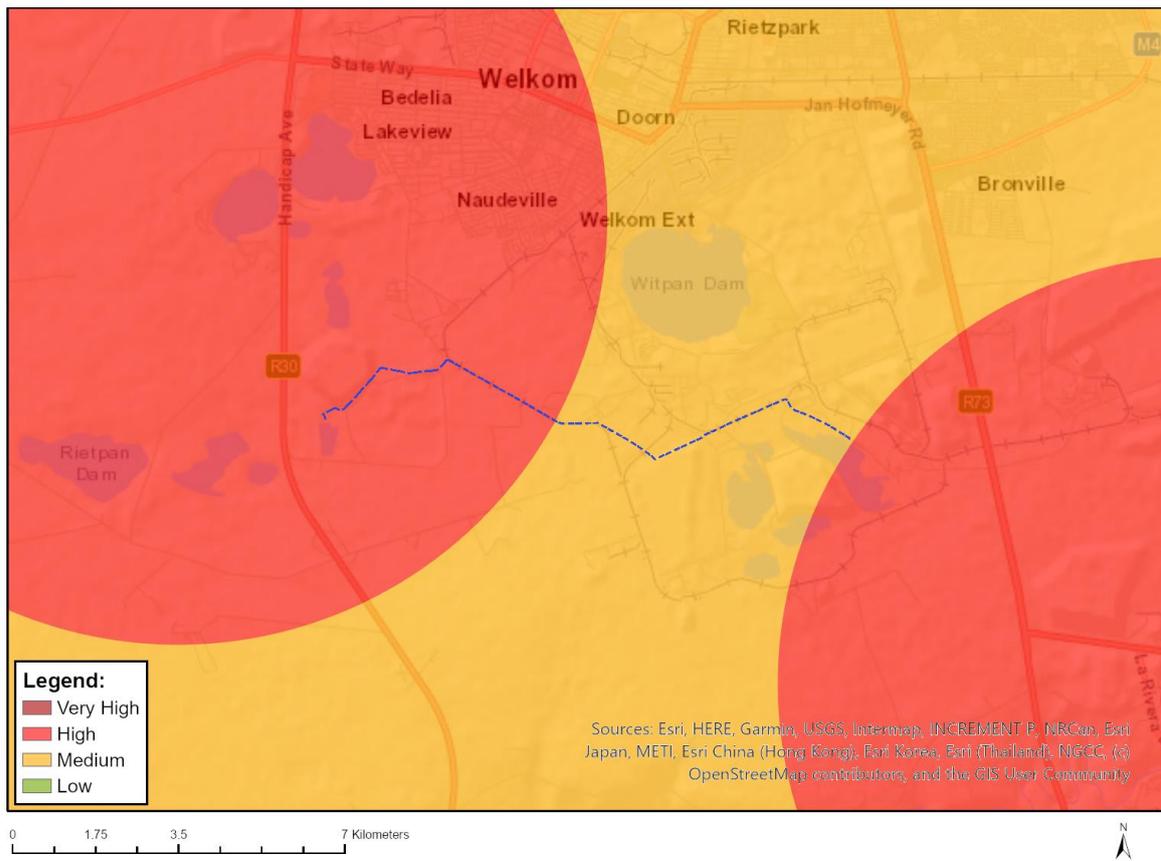


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY

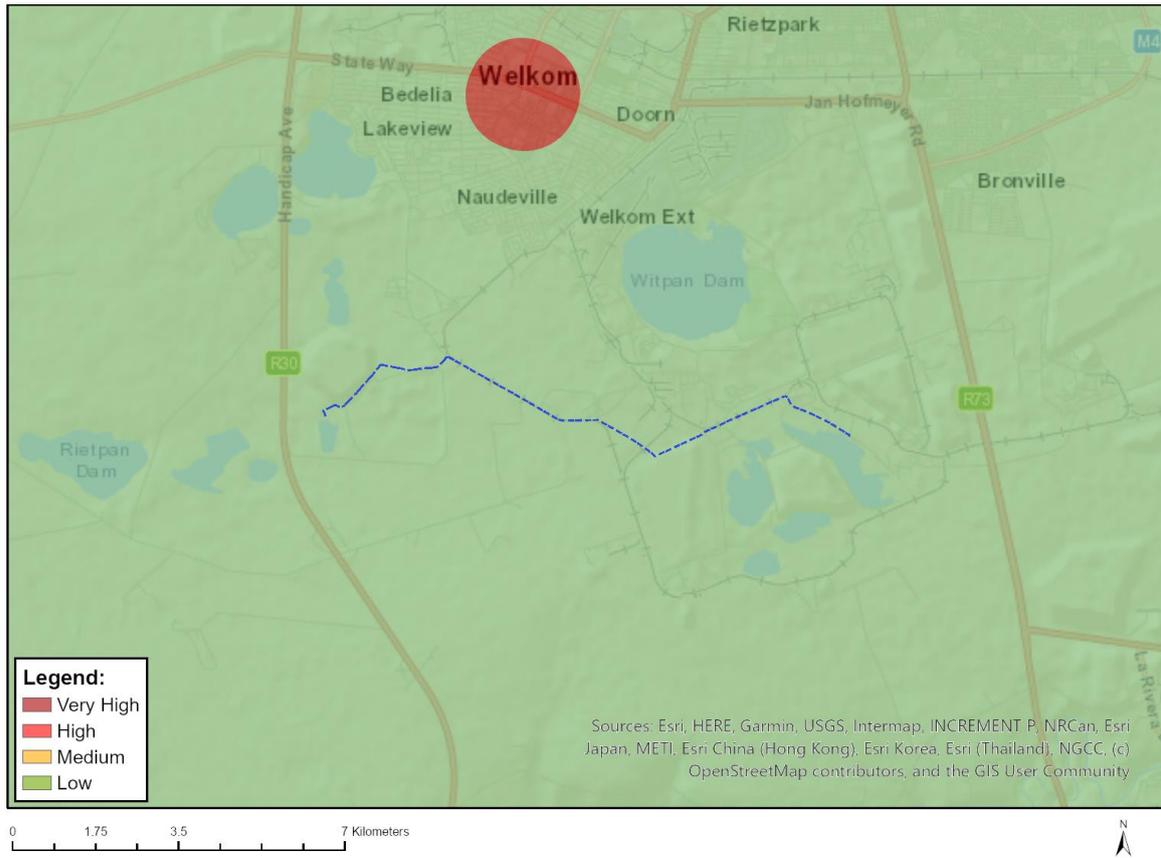


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 8 km of other civil aviation aerodrome
Medium	Within 5 km of an air traffic control or navigation site
Medium	Between 8 and 15 km of other civil aviation aerodrome

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

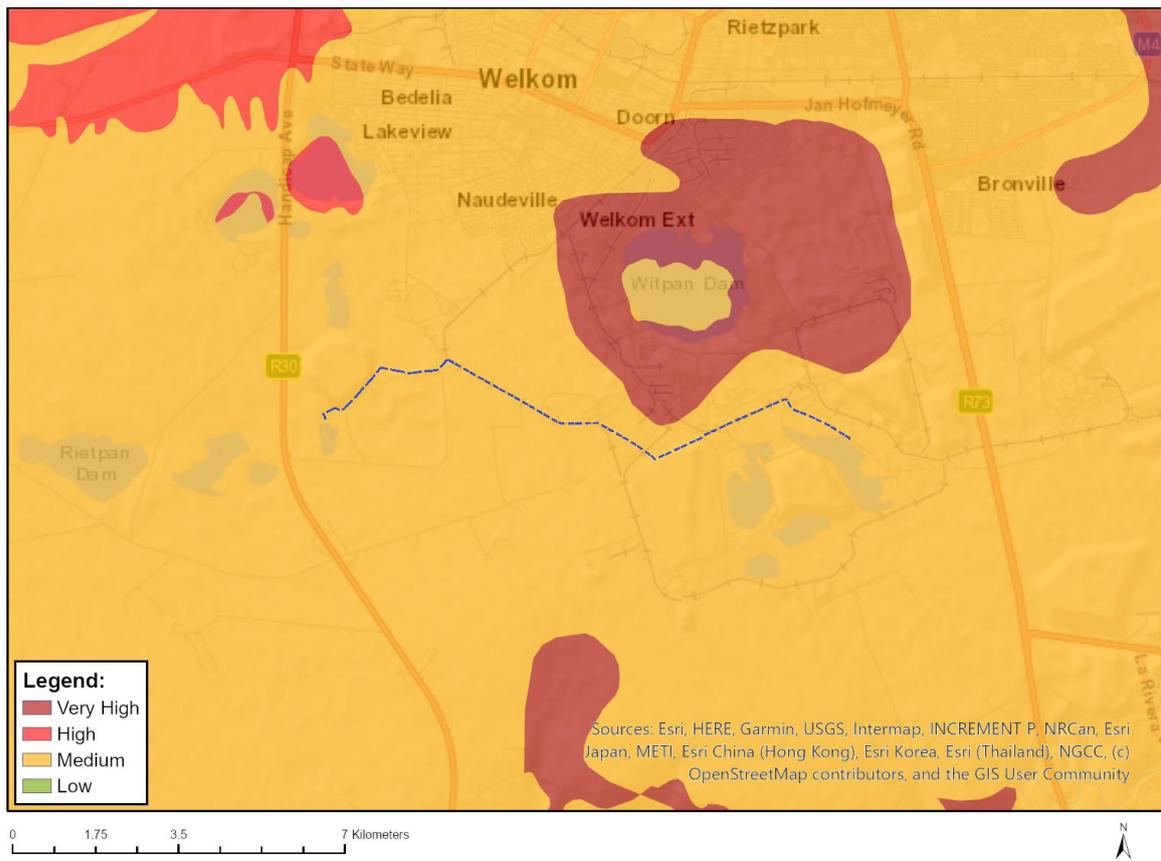


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY

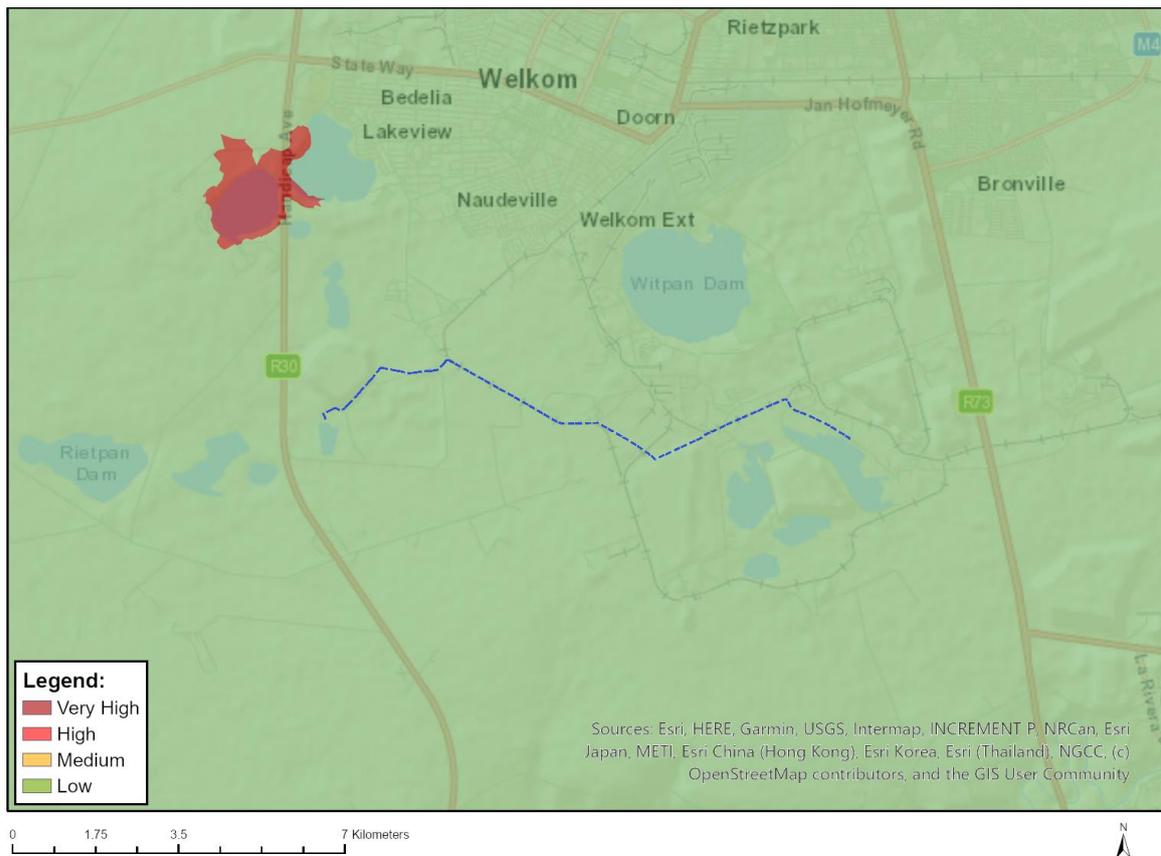


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Features with a Medium paleontological sensitivity

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



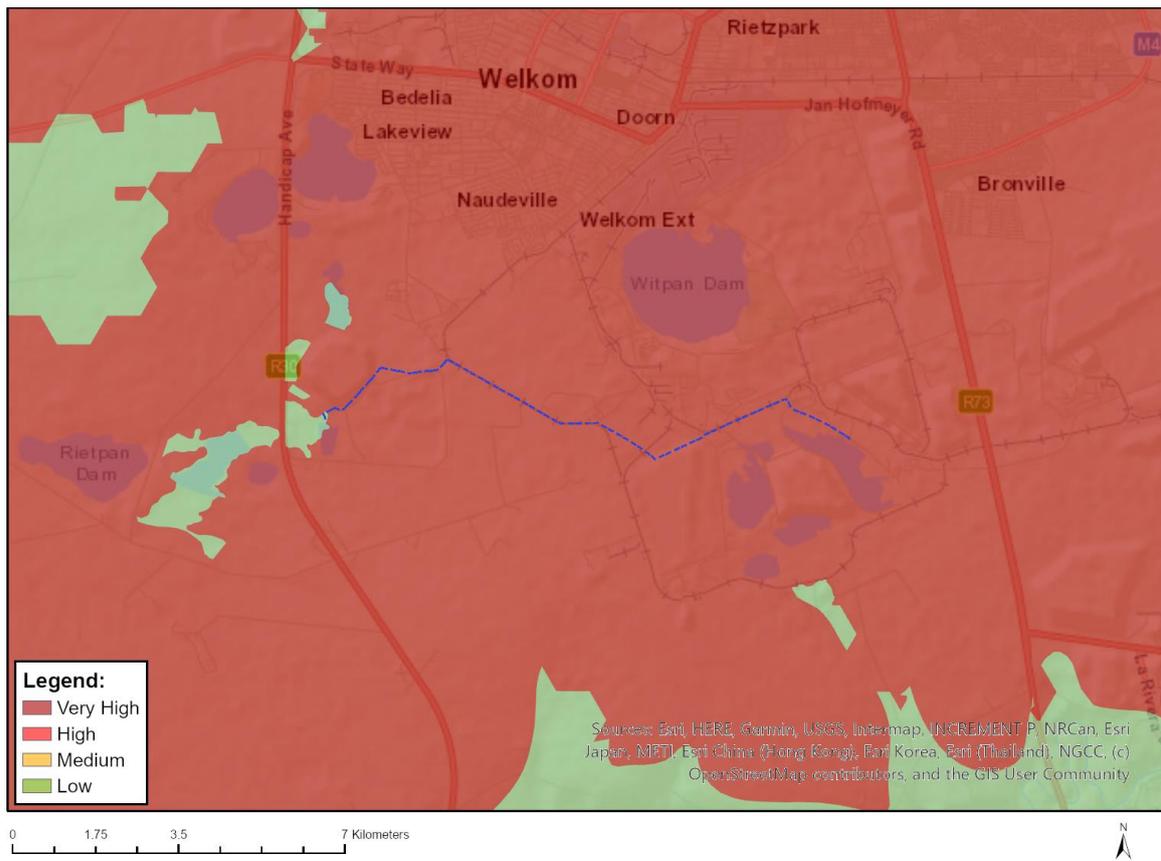
Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their 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)
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	CBA 1
Very High	ESA 2
Very High	EN_Vaal-Vet Sandy Grassland



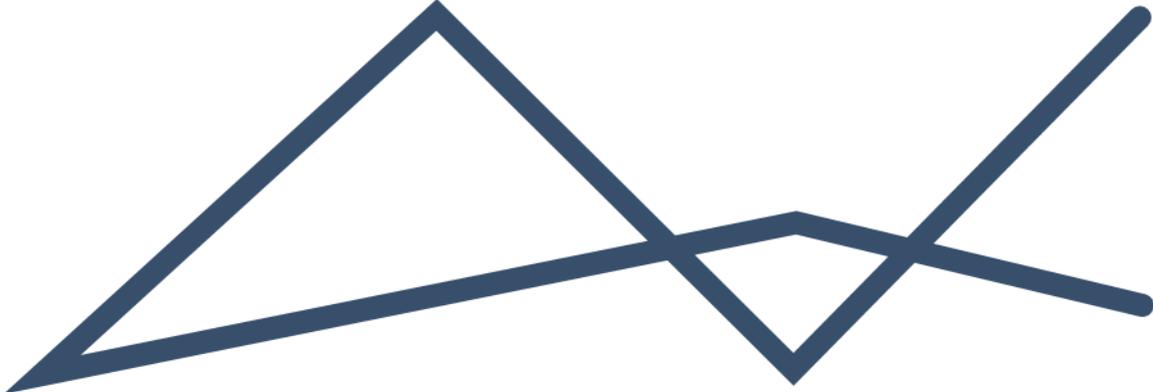
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SITE SENSITIVITY AND VERIFICATION REPORT

HARMONY ST HELENA 123 PIPELINE





DOCUMENT DETAILS

EIMS REFERENCE: 1735
DOCUMENT TITLE: SITE SENSITIVITY AND VERIFICATION REPORT

DOCUMENT CONTROL

	NAME	SIGNATURE	DATE
COMPILED:	Dr Lucien James		2026/02/09
CHECKED:	John von Mayer		2026/03/16
AUTHORIZED:	Liam Whitlow		2026/03/16

REVISION AND AMENDMENTS

REVISION DATE:	REV #	DESCRIPTION
2026/03/16	ORIGINAL DOCUMENT	SITE SENSITIVITY AND VERIFICATION REPORT



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Appendices

Appendix 1: EIMS Appendix

1 SCOPE AND PURPOSE

Regulation 16(1)(b)(v) of the Environmental Impact Assessment Regulations (GNR 982 promulgated under the National Environmental Management Act (Act 107 of 1998-NEMA)), requires that a Screening Report generated by the national web-based environmental screening tool for the specific site and activity must accompany any application for Environmental Authorization.



The Screening Report identifies preliminary development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmentally sensitive features on the site based on the site sensitivity screening. On the basis of the sensitivities identified in the site sensitivity screening, a list of preliminary specialist studies required to be considered in the Impact Assessment process are provided.

Prior to commencing with a specialist assessment identified in the Screening Report, the current use of the land and the environmental sensitivity of the site, must be confirmed by undertaking a site sensitivity verification. The site sensitivity verification must be undertaken by an environmental assessment practitioner or a specialist. The site sensitivity verification must be undertaken through the use of:

- a) a desk top analysis, using satellite imagery;*
- b) a preliminary on-site inspection; and*
- c) any other available and relevant information.*

This Site Sensitivity and Verification Report (SSVR) is a record of the outcome of the site sensitivity verification in compliance with the requirements of the procedures for the assessment and minimum criteria for reporting on identified environmental themes in terms of Sections 24(5)(a) and (h) and 44 of the NEMA. The SSVR aims to:

- a) confirm or disputes the current use of the land and the environmental sensitivity as identified by the screening tool, such as new developments or infrastructure, the change in vegetation cover or status etc.;*
- b) contain motivation and evidence (e.g. photographs) of either the verified or different use of the land and environmental sensitivity; and*
- c) be submitted together with the relevant assessment report prepared in accordance with the requirements of the Environmental Impact Assessment Regulations(EIA Regulations).*



2 PROJECT BACKGROUND

2.1 PROJECT ASPECTS

The Applicant is planning to construct a new return water pipeline between the St Helena 123 Tailings Storage Facility (TSF) Return Water Dam (RWD) and Dam 13, and in future will integrate with the low-pressure water system forming part of the Free State Reclamation Programme (specifically the proposed Nooitgedacht TSF project). The pipeline will have the following specifications:

- Length: approximately 11.4 km
- Diameter: 650 NB with 4.5 mm wall thickness
- Flanged steel pipe manufactured to SANS 719 standards
- Installed above-ground on prefabricated concrete plinths
- Design flow rate: 1,583 m³/hr (439 l/s)

The pipeline will follow a similar corridor proposed for the approved FSN1 Pipeline Project, thereby minimising additional environmental disturbance. The pipelines will be installed above-ground on pre-cast concrete plinths.

Table 1: Project description

		Location (DD MM SS)	
Project Aspect	Details	Latitude	Longitude
1. Construction of Return Water Pipeline	<p>Construction and operation of an above-ground 11,4km long, 650 NB pipeline is proposed. The pipeline will run along the approved FSN 1 Pipeline, with a section of the pipeline deviating to the St Helena 123 RWD.</p> <p>Construction of the pipeline will involve ground clearing, excavating, and levelling where necessary to accommodate for the laying of the plinths</p>	<p>Start: 28° 2'16.31"S</p> <p>Middle/Main Bend point: 28° 2'26.41"S</p> <p>End: 28° 2'2.95"S</p>	<p>Start: 26°47'37.31"E</p> <p>Middle/Main Bend point: 26°45'27.56"E</p> <p>End: 26°41'41.88"E</p>
2. Extension of an access road	The additional clearance for a 2,7 km long, 3m wide dirt path.	<p>Start: 28° 1'27.15"S</p> <p>Middle: 28° 1'31.74"S</p> <p>End: 28° 2'2.72"S</p>	<p>Start: 26°43'4.53"E</p> <p>Middle: 26°42'18.36"E</p> <p>End: 26°41'40.52"E</p>

2.2 SITE LOCALITY AND LAYOUT

The project area is located on Farm portions, Klippan 14 (Portion 2), Stuirmanspan 92 (Remaining Extent and Portion 1), Marmegeli 20 (Remaining Extent), and St Helena 42 (Portions 1, 2, 3, 4, 5, and 6) within the



Matjhabeng Local Municipality, in the Lejweleputswa District Municipality, in the Free State Province. Please refer to attached project locality map.

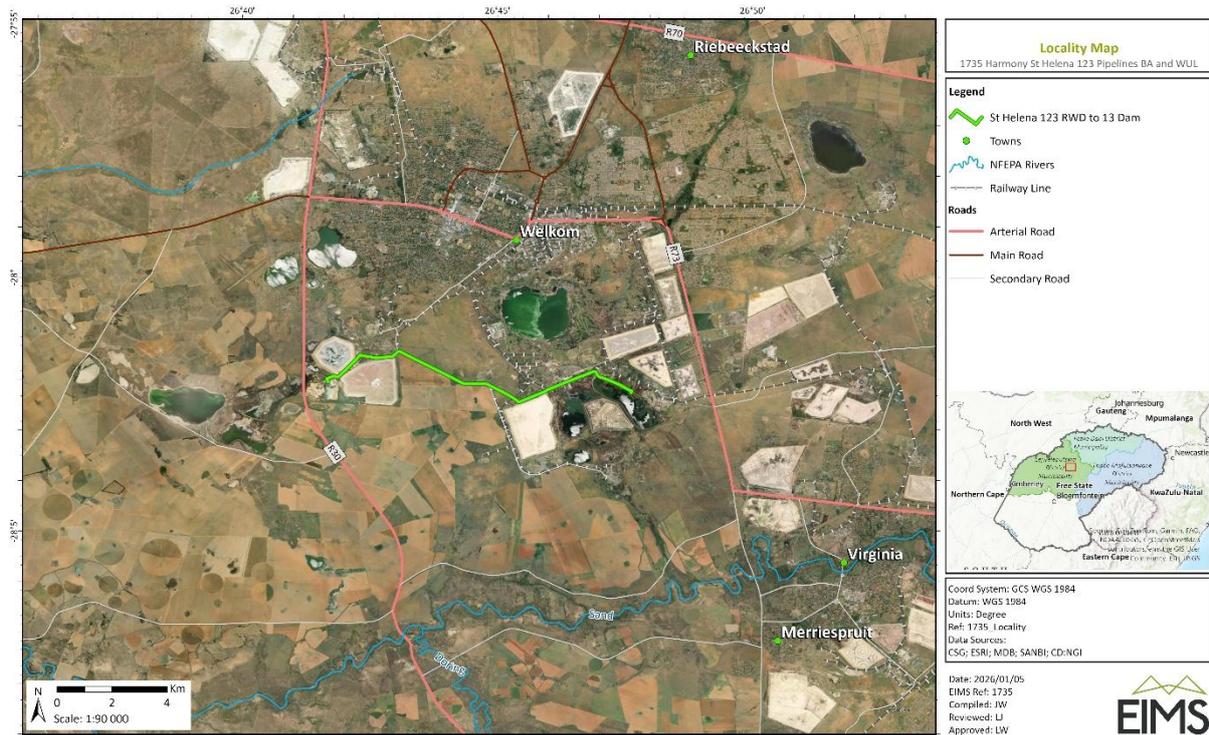


Figure 1: Site locality map.

2.3 DFFE SCREENING TOOL ASSESSMENT

Regulation 16(1)(b)(v) of the Environmental Impact Assessment Regulations (GNR 982 promulgated under the National Environmental Management Act (Act 107 of 1998-NEMA)), requires that a Screening Report generated by the national web-based environmental screening tool for the specific site and activity must accompany any application for Environmental Authorization.

The Screening Report identifies preliminary development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmentally sensitive features on the site based on the site sensitivity screening. On the basis of the sensitivities identified in the site sensitivity screening, a list of preliminary specialist studies required to be considered in the Impact Assessment process are provided. Table 2 provides the proposed development area environmental sensitivity as provided by the national web-based environmental screening tool.

Table 2: Screening Tool Report- Proposed development area environmental sensitivity.

Aspect	Very High	High	Medium	Low
Agriculture Theme	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Animal species Theme	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Aquatic Biodiversity Theme	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Archaeological and Cultural Heritage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Civil Aviation Theme	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Aspect	Very High	High	Medium	Low
Defence Theme	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Palaeontology Theme	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Plant Species Theme	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Terrestrial Biodiversity Theme	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3 SITE ASSESSMENT

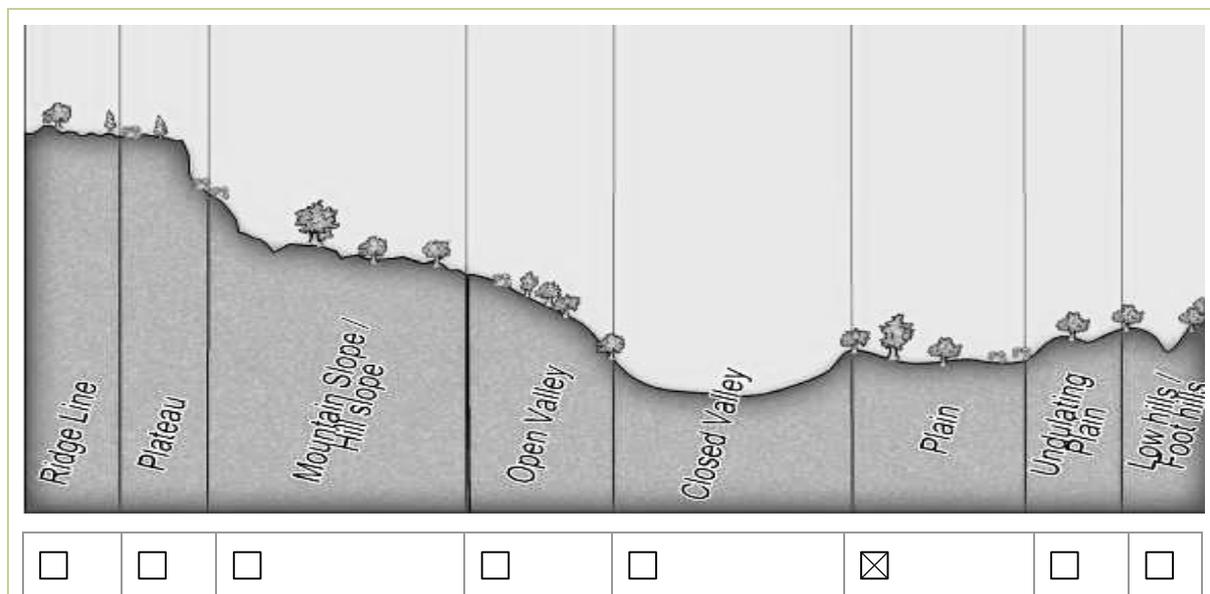
Prior to commencing with a specialist assessment identified in the Screening Report, the current use of the land and the environmental sensitivity of the site, must be confirmed by undertaking a site sensitivity verification. The site sensitivity verification must be undertaken by an environmental assessment practitioner or a specialist. The site sensitivity verification must be undertaken through the use of:

- a desk top analysis, using satellite imagery;
- a preliminary on-site inspection; and
- any other available and relevant information.

The sub-sections below aim to provide context of the existing site conditions to support the site sensitivity and verification.

3.1 GRADIENT

The general gradient characteristics of the site:



3.2 SENSITIVE AREAS

<i>Is the site located in the immediate vicinity of the following:</i>	Yes	No	Comment
Erosion Channels or areas of severe erosion/ destabilized soils	<input type="checkbox"/>	<input checked="" type="checkbox"/>	While erosion channels were not noted during site sensitivity verification, the area



<i>Is the site located in the immediate vicinity of the following:</i>	Yes	No	Comment
			is highly disturbed by mining activities which has transformed the landscape.
Wetlands (within 32m)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The pipeline intersects with no 32m regulated wetland areas. However, the pipeline does intersect with 500m regulated delineated areas.
Unstable slopes or geological features (rocky outcrops)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Bare areas	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Other Sensitive or risk areas?	<input type="checkbox"/>	<input type="checkbox"/>	The area is highly disturbed by mining activities which have had several impacts on the environment.
Are any existing servitudes and structures directly or indirectly affected by the proposed sites and routes (e.g. Eskom, public road servitudes and restrictions-60m from National Road, farmer's water/irrigation supplies, etc.)?	<input type="checkbox"/>	<input type="checkbox"/>	The pipeline will run along and across mine operation related roads and paths. Most of the pipeline will run along an already-authorized route.

3.3 VEGETATION

<i>Which of the listed descriptions best describes the general groundcover on and around the site?</i>				
<input type="checkbox"/> Natural veld - good condition	<input checked="" type="checkbox"/> Natural veld with scattered aliens	<input type="checkbox"/> Natural veld with heavy alien infestation	<input type="checkbox"/> Veld dominated by alien species	<input type="checkbox"/> Gardens
<input type="checkbox"/> Sport field	<input type="checkbox"/> Cultivated land	<input type="checkbox"/> Paved surface	<input checked="" type="checkbox"/> Building or other structure	<input type="checkbox"/> Bare soil
Comments on vegetation composition:	The area is associated with grasslands, many of which have been modified or disturbed by mining activities over the years.			
Comments on weed species/type	As a result of the extensive disturbance brought about by the mining activities in the area, the proliferation of alien invasive species has been observed.			

3.4 LAND COVER/ USE DESCRIPTION

The SSVR aims to:

- confirm or dispute the current use of the land and the environmental sensitivity as identified by the screening tool, such as new developments or infrastructure, the change in vegetation cover or status etc.; and



- contain motivation and evidence (e.g. photographs) of either the verified or different use of the land and environmental sensitivity.

Landuses related to the site and project area of interest include extensive historical and current mining operations and associated infrastructure. Some infrastructure noted on site include underground mines, decommissioned or redundant mining operations, rehabilitated mining operations, mine residue, stockpiles, and Tailings Storage Facilities (TSF). Several pipeline routes and roads traverse the area as well.



Table 3: Site photographs.



Pump Station at Dam 13 – An end point of the pipeline



Surrounding environment of Dam 13 which is mainly disturbed



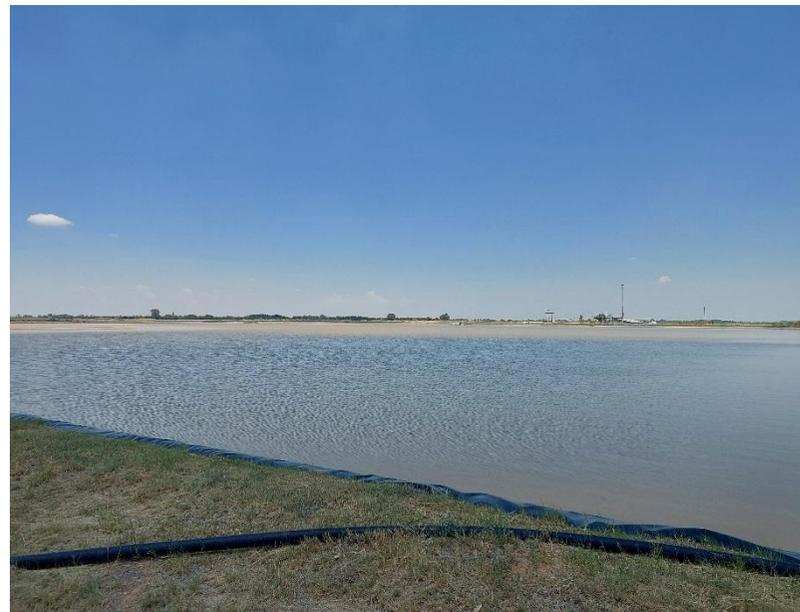
Surrounding environment along the pipeline route



Some crop farming as part of rehabilitation activities occurs in proximity of the pipeline route



An example of an existing pipeline in the area along with an access route



St Helena 123 RWD Dam – An end point of the pipeline



4 VERIFICATION FINDINGS AND MOTIVATION

The Screening Report identifies preliminary development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmentally sensitive features on the site based on the site sensitivity screening (Section 2.3). On the basis of the sensitivities identified in the site sensitivity screening, a list of preliminary specialist studies required to be considered in the Impact Assessment process are provided. Table 4 below lists the screening tool identified specialist studies and associated screening tool sensitivity. Based on the findings of the site verification process (Section 3) a verified, or suggested revised sensitivity is provided together with an associated motivation.

Table 4: Assessment for specialist studies and motivation.

Screening Specialist Required:	Tool Study	Level of Sensitivity:	Suggested Sensitivity:	Required level of Assessment	Motivation
Agriculture Impact Assessment		High	Low	None	Agricultural land will be minimally, if not affected at all by the project activities. While rehabilitation activities have involved agriculture, majority of the land to be disturbed will include areas part of mining operations.
Archaeological and Cultural Heritage Impact Assessment		Low	Low	Desktop Study	A Desktop Heritage Impact Assessment is here recommended given that the area has been previously studied and findings of these studies are available. Furthermore, the archaeological context of the site has been extensively disturbed with remnants of early mining activities presenting as the main heritage



Screening Specialist Required:	Tool Study	Level of Sensitivity:	Suggested Sensitivity:	Required level of Assessment	Motivation
					sensitivities where applicable.
Palaeontology Impact Assessment		Medium	Medium	Desktop Study	While the sensitivity of the area has been considered minimum, the project will not disturb the underlying geology of the site. However, a desktop assessment is recommended to consider any potential impacts.
Terrestrial Biodiversity Impact Assessment		Very High	Low	Compliance Statement	The screening tool suggests the sensitivity of the site to be Very High. This is mainly as the site intersects with CBA 1 and ESA 2, as sensitive biodiversity areas. However, upon site sensitivity verification, it was ascertained that the site is highly disturbed. As such, a compliance statement will be conducted.
Aquatic Biodiversity Impact Assessment		Low	Low	Full Study	The site does intersect with 500m wetland regulated areas. While these wetland areas are highly disturbed, a full study was conducted to identify and



Screening Specialist Required:	Tool Study	Level of Sensitivity:	Suggested Sensitivity:	Required level of Assessment	Motivation
					delineate any additional water resources affected by the project.
Geotechnical Assessment		N/A	N/A	Other	This assessment will be undertaken by the applicant as part of the engineering and planning of the project.
Plant Species Assessment		Low	Low	Compliance Statement	The vegetation of the area is highly disturbed by the mining activities of the area. The sensitivity highlighted by the screening tool was verified. As such, plant species will be commented on as part of the terrestrial ecology compliance statement.
Animal Species Assessment		Medium	Low	Compliance Statement	The fauna of the area is highly disturbed by the mining activities of the area. The sensitivity highlighted by the screening tool was verified. As such, animal species will be commented on as part of the terrestrial ecology compliance statement.
Seismicity Assessment		N/A	N/A	None	As the project will not have any seismic impact, no



Screening Specialist Required:	Tool Study	Level of Sensitivity:	Suggested Sensitivity:	Required level of Assessment	Motivation
					assessment will be undertaken.
Socio-economic Assessment		N/A	N/A	None	As majority of the project falls within mining areas, it is anticipated that the project will have a minimal, if any, socio-economic impact. As such, no assessment will be undertaken. However, the public will be engaged through the Basic Assessment process through which any social and economic impacts will be identified and addressed.
Hydrology Assessment		N/A	N/A	Full Study	The pipeline will be constructed on the surface which may affect runoff. As such, a hydrology assessment as well as a hydrogeology compliance statement have been recommended.