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Agricultural Compliance Statement for the proposed Kwanokuthula Sewer Upgrade, Plettenberg Bay.

This compliance statement has been prepared by Gert Jacobus Malan, a registered SACNASP Soil Scientist (128697). In terms of the National Environmental Management Act (Act No 107 of 1998) (NEMA) and the National Web based Environmental Screening Tool (Agricultural Recourses sensitivity, gazetted on 20 March 2020) and Site Sensitivity Verification Report, an Agriculture Assessment (Compliance statement) is required.

The development aims to upgrade an existing sewer network in Kwanokuthula, a residential township within the Bitou Municipality in Plettenberg Bay. (Figure 1). The existing sewer network is failing in multiple areas resulting in a pollution and health risk and is in need of urgent repairs and maintenance.

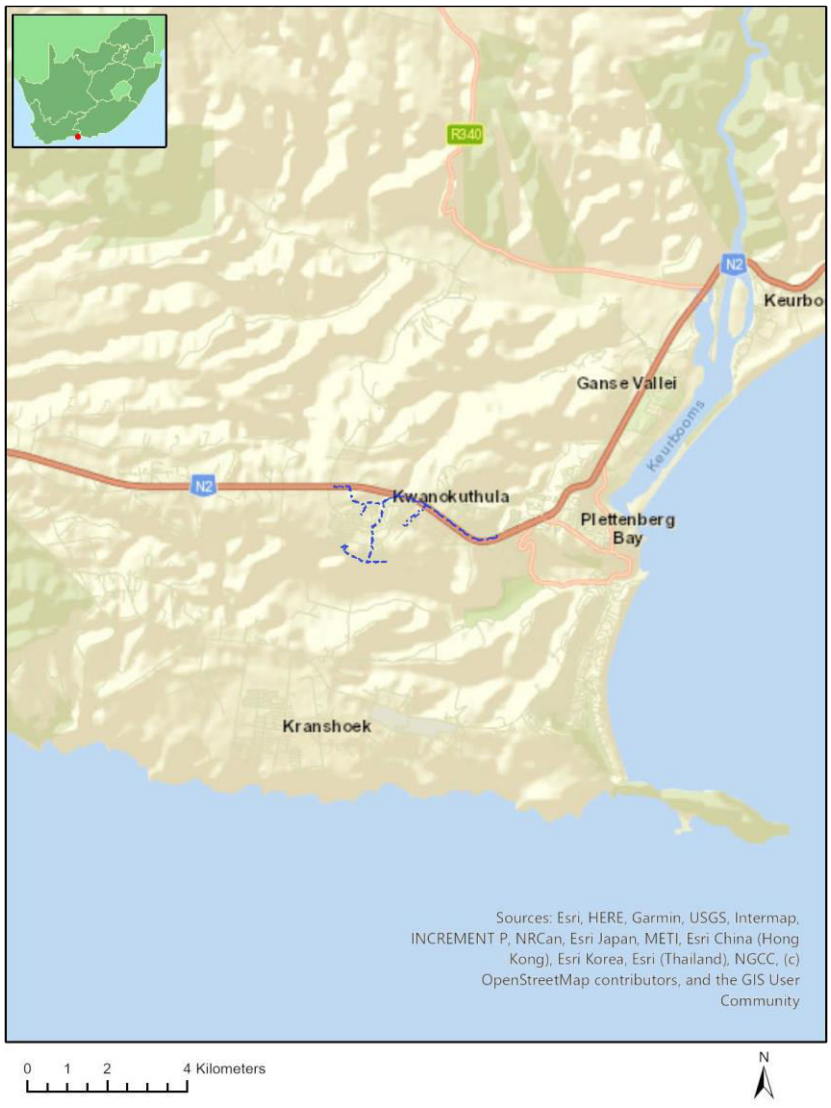

Figure 1. Proposed sewage upgrade, Plettenberg Bay.

Figure 2. Proposed Sewage Upgrade location, with the Piesangrivier to the south.

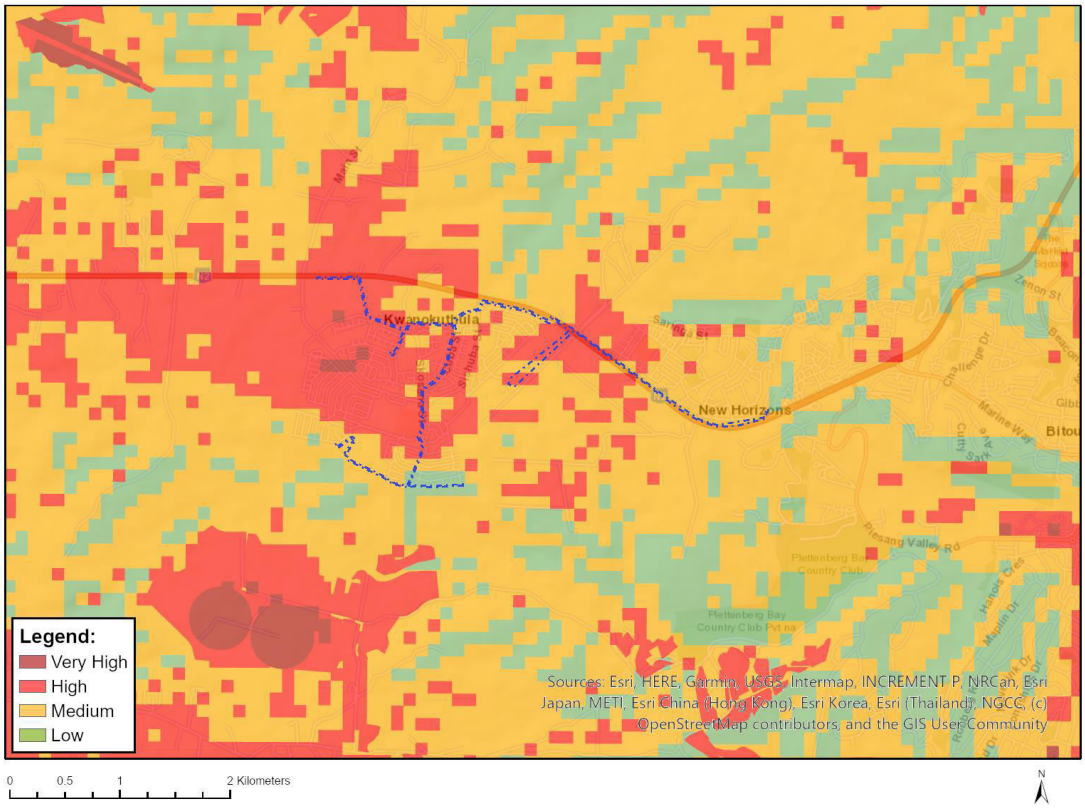

Figure 3. Agriculture screening tool indicates HIGH sensitivity for agriculture.

Sensitivity Features as per Screening Tool:

Sensitivity	Feature(s)
High	Land capability;09. Moderate-High/10. Moderate-High
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

Site Sensitivity Verification

In terms of the gazetted agricultural protocol, a site sensitivity verification must be submitted that:

1. Confirms or disputes current use of land and the environmental sensitivity as identified by the screening tool, such as new developments or infrastructure, the change in vegetation cover etc.;

2. contains a motivation and evidence of either the verified or different use of the land and environmental sensitivity.

Agriculture sensitivity (as per screening tool) is a function of capability of the land for agricultural production. Cultivated land is classified as at least high sensitivity, due to the fact that is already in agriculture production. Uncultivated land is classified by the screening tool in terms of land capability rating, which is defined by the combination of soil, climate and terrain suitability factors supporting rain fed agriculture.

A map of the proposed development area overlaid on the screening tool sensitivity is given in Figure 3. Due to the fact that the land is not cultivated, the screening tool is relying in the land capability.

Table 1. Parameters that control and/or describe the agricultural production potential of the site.

	Parameter	Value
Climate	Mean Annual Rainfall (mm)	783
	Reference Cop Evaporation	1576
	Koppen-Geiger Climate Description	Temperate, no dry season, warm summer
	Climate Capability (1-9)	7 (High)
Terrain	Terrain Type	C4
	Slope Gradients (%)	3%->30%
	Altitude	80-160 m
	Terrain Capability Classification (1-9)	4-5 (Low - Medium)
Soil	Geology	Mainly fixed dunes and dune rock, largely overlying conglomerate, sand- stone, siltstone and mudstone Of the Enon Formation, as well as quartzitic sandstone of the Table Mountain Group, Cape Supergroup.
	Land Type	Ca46
	Description of land type soil	Plinthic Catena Upland Duplex and Margalitic soils. Depth: 450-750mm Clay <15%
	Dominant soil forms	Duplex - Plinthic Oxidic
	Soil Capability Classification (1-9)	4-6(Low – Moderate-High)
Land Use	Agricultural Land Use on the Site	No Formal Agriculture
	Long-term grazing capacity (Ha per large stock unit)	108
General	Land Capability Classification (1-15)	5-10 (low – Moderate High)
	Within protected Agricultural Area	No

Table 2. Agricultural Protocol for assessment and reporting of environmental impacts on agricultural resources:

Criteria (land capability evaluation value and category of crop boundary)	Allowable development footprint in hectares per MW of installed generation capacity (with sensitivity ratings from the screening tool shown in brackets)	
	Within field crop boundaries	Outside field crop boundaries
Land capability evaluation value 11 – 15; Irrigation, horticulture/viticulture, shadenet; high value agricultural areas with a priority rating A and/or B[2]	0 (Very High Sensitivity)	0 (Very High Sensitivity)
Land capability evaluation value 8 – 10; all cultivated areas including sugarcane; high value agricultural areas with a priority rating C and/or D[3]	0.20 (High Sensitivity)	0.35 (Medium Sensitivity)
Land capability evaluation value 6 - 7;	0.25 (High Sensitivity)	2.50 (Low Sensitivity)
Land capability evaluation value 1 - 5;	0.30 (High Sensitivity)	2.50 (Low Sensitivity)

Table 2. Indicates Land Capability 8-10 outside field crop boundaries are to be classified as Medium Sensitivity for Agriculture. Since most of the sewer lines will be upgraded within the township no agriculture will be affected.

Site sensitivity is therefore disputed to Medium Sensitivity.

The agricultural protocol further states:

An applicant intending to undertake an activity identified in the scope of this protocol on a site identified by the screening tool as being of "medium" or "low" sensitivity for agricultural resources must submit an Agricultural Compliance Statement.

The above statement applies in this case.

Agricultural Compliance Statement

The agricultural impact of the proposed pipeline replacement / upgrade and installation within the urban area of Kwanokuthula is underground and will have no impact on the agricultural potential which has already been altered.

The conclusion of this assessment is that the proposed development will not have an unacceptable negative impact on agricultural production since no agriculture is practised within the affected area. The sewer pipeline will be placed subsoil and is mostly in road reserves on adjacent to residential activities, no above ground loss of agriculture potential will be realised.

The proposed development is therefore acceptable, and from an agricultural impact point of view.

The conclusion of this assessment on the acceptability of proposed development and the recommendation for approval is not subject to any conditions. In completing this statement, no assumptions have been made and there are no uncertainties or gaps in knowledge or data that are relevant to it. No further agricultural assessments of any kind is required for this application.

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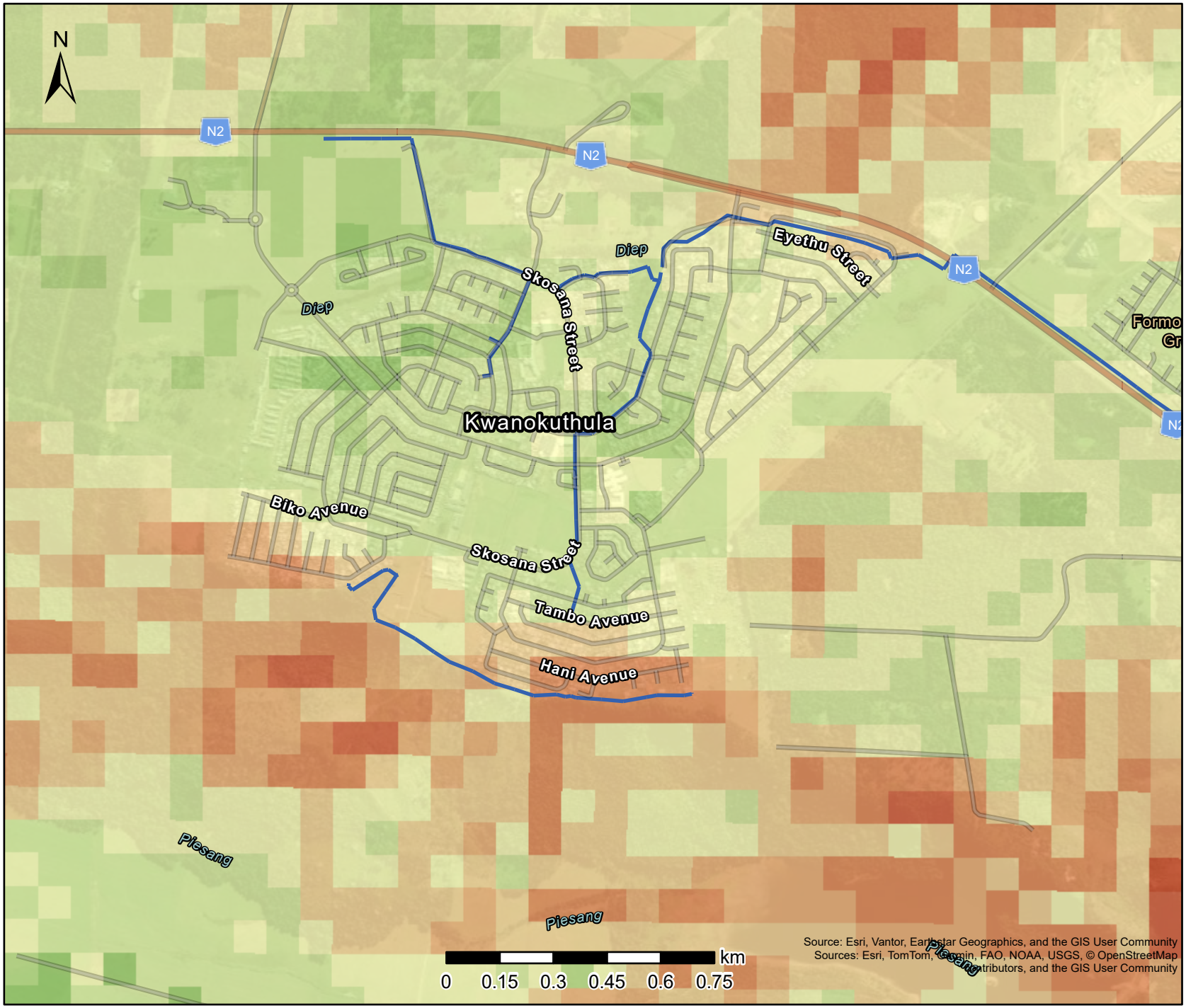
GJ Malan (Pri Sci. Nat.)

04 March 2026

LAND CAPABILITY



Legend

Land Capability (2016)

Description

- 03. Low-Very low
- 04. Low-Very low
- 05. Low
- 06. Low-Moderate
- 07. Low-Moderate
- 08. Moderate
- 09. Moderate-High
- 10. Moderate-High
- 11. High

Map Center: Lon: 23°19'8.2"E
Lat: 34°3'13.1"S

Scale: 1:18,056

Date created: 2026/04/03

Western Cape Government
FOR YOU