



Terms of Reference for the Appointment of Terrestrial and Aquatic Biodiversity Specialists

Project: Proposed Macadamia and Avocado Orchard Development

Location: Erf 385, Hoekwil, George Municipality, Western Cape

Proponent: Wilderness (Pty) Ltd

EAP: Eco Route Environmental Consultancy

Contact: Samantha Teeluckdhari | Email: samantha@ecoroute.co.za

TOR: Terrestrial Biodiversity Specialist

1. Purpose

To undertake a detailed assessment of the terrestrial biodiversity sensitivities and potential impacts associated with the proposed development of orchards on Erf 385, as required by the Terrestrial Biodiversity Protocol and NEMA regulations.

2. Scope of Work

- Verify site sensitivity using the DFFE Screening Tool.
- Conduct a site visit and compile a **Site Sensitivity Verification Report**.
- Conduct a full **Terrestrial Biodiversity Specialist Assessment** addressing:
 - Vegetation type, condition, and ecological significance
 - Presence or potential occurrence of **Species of Conservation Concern (SCC)**
 - Importance of the area for habitat connectivity, corridors, and ecological function
 - Impacts on CBA, ESA and buffer areas
 - Proposed layout and road alignment from a biodiversity perspective
- Recommend mitigation, monitoring, and rehabilitation measures.

3. Deliverables

- Site Sensitivity Verification Report
- Specialist Impact Assessment Report
- Maps and spatial data (sensitivity, buffers, vegetation condition)
- Recommendations for the EMP

4. Qualifications

- SACNASP registration
- Proven experience with protocols
- Familiarity with WCBSP (2023) and the EIA Regulations

5. Timeframe and Budget

- Final reports due within 6 weeks of appointment
- Include cost estimate covering fieldwork, reporting, and disbursements



Terms of Reference for the Appointment of Agricultural Specialist

Project: Proposed Macadamia and Avocado Orchard Development

Location: Erf 385, Hoekwil, George Municipality, Western Cape

Proponent: Wilderness (Pty) Ltd

EAP: Eco Route Environmental Consultancy

Contact: Samantha Teeluckdhari | Email: samantha@ecoroute.co.za

TOR: Agricultural Specialist

1. Purpose

To assess the agricultural potential, soil suitability, and land capability of Erf 385, Hoekwil for the proposed orchard development.

2. Scope of Work

Conduct a Land Capability and Agricultural Potential Assessment based on:

- Soil characteristics (depth, texture, drainage, fertility)
- Topography and slope
- Climate and rainfall patterns
- Historical and current agricultural use of the site
- Evaluate the site's suitability for macadamia and avocado cultivation.
- Assess potential impacts on agricultural land resources (e.g. erosion, degradation).

3. Deliverables

- Agricultural Potential and Land Capability Report
- Suitability map with soil and slope overlays

4. Qualifications

- SACNASP registration
- Familiarity with the Western Cape Agricultural Potential mapping

5. Timeframe and Budget

- Report to be delivered within 4–6 weeks of appointment
- Cost proposal to include all sampling, analysis, field visits, and reporting



Terms of Reference for the Appointment of Aquatic Biodiversity Specialist

Project: Proposed Macadamia and Avocado Orchard Development

Location: Erf 385, Hoekwil, George Municipality, Western Cape

Proponent: Wilderness (Pty) Ltd

EAP: Eco Route Environmental Consultancy

Contact: Samantha Teeluckdhari | Email: samantha@ecoroute.co.za

TOR: Aquatic Biodiversity Specialist

1. Purpose

To assess the aquatic ecological sensitivity of watercourses and wetlands on Erf 385 and evaluate the impacts of the proposed orchard and access road development, including road crossings.

2. Scope of Work

- Conduct a **Site Sensitivity Verification** in terms of the Aquatic Biodiversity Protocol.
- Map and classify watercourses, wetlands, and associated buffer zones.
- Conduct a full **Aquatic Specialist Impact Assessment**, including:
 - Wetland delineation and classification
 - Present Ecological State (PES), Ecological Importance and Sensitivity (EIS)
 - Functional role of aquatic features (e.g. hydrology, filtration, habitat provision)
 - Impact of access road and orchard runoff on aquatic integrity
 - Assessment of buffer adequacy and recommendations
- Identify mitigation measures and long-term monitoring requirements

3. Deliverables

- Aquatic Site Sensitivity Verification Report
- Specialist Aquatic Impact Assessment
- Wetland delineation map
- Impact significance ratings and EMPr input

4. Qualifications

- SACNASP registration or eligibility

5. Timeframe and Budget

- Final deliverables to be submitted within 6 weeks of appointment
- Detailed quotation to include fieldwork, travel, mapping, and reporting