



CES EXPERTISE IN SCOPING & ENVIRONMENTAL IMPACT ASSESSMENT AND BASIC ASSESSMENT PROCESSES IN SOUTH AFRICA

CES was established in 1990 when we were appointed as lead consultants for a large mineral mining Environmental Impact Assessment (EIA) in South Africa. Since then, we have expanded our capacity and expertise, and offer a wide range of environmental and social advisory services, although undertaking EIAs still remains our core competency.

CES SPECIALISES IN IMPACT ASSESSMENTS AND ENVIRONMENTAL MANAGEMENT

We have a proven track record of successfully managing and completing Full Scoping and Environmental Impact Assessments (EIA) and Basic Assessments (BA) for a wide range of projects and activities in full compliance with all relevant legislation in South Africa.



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Completed EIA and BA studies are presented below in the following categories

- ✓ Residential estates
- ✓ Mixed-use developments
- ✓ Tourism/eco-tourism lodges/resorts
- ✓ Agriculture
- ✓ Aquaculture

For the following categories, please see our sector specific brochures for more details:

- ✓ Waste treatment and linear infrastructure, such as pipelines, power lines and roads (see our Industrial Installations and Infrastructure).
- ✓ Renewable Energy Developments Brochure (see our Renewable Energy Brochure).
- ✓ Mining Brochure (see our mineral mining and General Mining Brochure).

For more information see www.cesnet.co.za



FULL SCOPING AND EIA

Residential Estates

- ✓ Toboshane Valley Estate, an up-market residential estate with stables and associated recreational facilities. Approximately 30ha of development with the remaining 800ha rezoned and managed as a private nature conservation area, including a lodge, conference and environmental education facilities.
- ✓ Phase 1 of what was formally known as the Chintsa River Golfing Estate (2016) and currently known as the Olivewood Golf and Country Estate, located south of the Chintsa Estuary, opposite Chintsa East. The development consisted of 102 dwelling units along the southeastern boundary of the property (42 residential erven and 5 apartment blocks).
- ✓ Pinedale Eco-Estate which covers an area of 940ha; 56ha of which was allocated to accommodate 50 housing units. The remainder was zoned and managed as a private nature reserve.
- ✓ Potsdam (Ikhwezi Block 1) Housing Development which consists of low income residential housing and associated infrastructure on approximately 50 ha of land in Potsdam, north-west of Fort Jackson, in the Buffalo City Metropolitan Municipality of the Eastern Cape Province.
- ✓ EIA for the construction of an eco-residential development at Aston Bay on the Remainder of the Farm Swan Lake No 755, Metroplan of Port Elizabeth.
- ✓ EIA for a residential scheme at the existing golf course in Grahamstown (Erf 8045), South Africa. The proposed development site of 65.6ha accommodated approximately 850 stands of 500 to 550 m² in extent, a student village consisting of three blocks of flats, a shopping complex with an adequate number of parking bays, and associated road and service infrastructure.
- ✓ EIA for a proposed low income housing development on Portion of Erf 188, Extension 5,

Mount Ayliff, Umzimvubu Municipality within the Alfred Nzo District Municipality, Eastern Cape.

- ✓ EIA for the proposed Golden Mile Estates development, consisting of 598 to 622 erven on Farm Richmond situated along the northern boundary of the existing residential area of Cannon Rocks in the Ndlambe Municipality, Eastern Cape. The Addo Elephant National Park bounds the site to the west.

Mixed Use Developments

- ✓ Mixed-Use Development in the town of Bizana in the Alfred Nzo District Municipality (Eastern Cape). The 35ha site had 17ha allocated for low-, medium- and high-cost residential development and 18ha for retail development including offices, a private hospital and light industrial service centers.
- ✓ Mixed use development at Ndabakazi in the Eastern Cape where offices, a business center, garage and filling station, school, residential units and a Wastewater Treatment Works were proposed within a 41.75 hectare area.
- ✓ An EIA for the construction of an integrated housing scheme on Erven 10114, 9814 and 1716 Sweetwaters, King William's Town, Eastern Cape. The development included the provision of social housing, RDP housing, FLISP housing and housing for military veterans as well as services for water supply, sewerage and effluent disposal, storm water, road access and solid waste disposal.
- ✓ Koethie Wildevoëllei mixed use development adjacent to the Table Mountain National Park, Western Cape.
- ✓ EIA for a 500 ha proposed development within the Eastern Cape Province on the outskirts of Port Elizabeth in the Nelson Mandela Bay Municipal area. The property will be residential, business and special uses that will include 80 ha for the development of residential units, 4 ha for the development of business units, 23 ha of public open space, between 300 and 400 ha for

“special use” (potentially an Eco-Estate), and associated infrastructure such as access roads, electrical lines and connections, water reticulation, sewerage reticulation, stormwater retention ponds etc.

- ✓ An EIA for the Fairewood Estate and Nature Reserve Development, Grahamstown (Farm 319 Portion 1), Eastern Cape, comprised of 111 mixed housing units for high income and middle income residences on farms totaling 150 ha. The EIA covered the construction of, access roads, water supply services, sewerage and solid waste facilities.
- ✓ A full EIA was conducted for the Pinedale Eco-Estate which covers an area of 940ha; 56ha of which will be developed to accommodate 50 housing units. The remainder was zoned and is being managed as a private nature reserve.
- ✓ EIA for Laguna Bay Resort and Visitor Centre on remainder of Portion 6 of the Farm Kabeljous River No. 328 in Jeffrey’s Bay, Eastern Cape Province of South Africa. The proposed development consisted of the construction of a 250 unit resort and Visitor Centre.

Tourism

- ✓ EIA for upgrading of tourism infrastructure on Erf 357 of Vaalharts settlement B outside Jan Kempdorp in the Phokwane Municipality, Northern Cape Province. The project involved the development and upgrading of infrastructure

next to the wetland in Ganspan-Pan to restore the 37ha area a safe and attractive tourism attraction.

- ✓ EIA for proposed offices and tourism accommodation at Cape Morgan Reserve, Eastern Cape.

Aquaculture

- ✓ Qolora Aquaculture Zone, a community based aquaculture facility aimed at accommodating a number of operators and the production of different marine organisms. The aquaculture zone also included hatcheries, processing facilities and all related infrastructure.
- ✓ Proposed establishment of an abalone aquaculture facility on an approximately 15ha site near Oyster Bay in the Eastern Cape. The proposed facility included grow-out facilities for abalone, a hatchery to produce spat for grow-out, a processing facility for processing and packaging of stock and water reticulation infrastructure.
- ✓ Large-scale aquaponics facility, located near the Mthatha Dam and Airport, within the Eastern Cape.
- ✓ Expansion of the existing Wild Coast Abalone facility located in Marshstrand, Eastern Cape. The expansion resulted in an increase in abalone production (and other marine species) from 350 tonnes to 1500 tonnes per annum.



CES SPECIALISES IN IMPACT ASSESSMENTS AND ENVIRONMENTAL MANAGEMENT

As the lead Environmental Assessment Practitioner CES has managed various environmental application processes, including Basic Assessments, Water Use License Applications and EIA amendment applications for the following categories of projects:

Residential Estates

- ✓ Hollingrove Estate, a private residential development situated adjacent to the Waters Meeting Nature Reserve between Grahamstown and Bathurst (Eastern Cape).
- ✓ The Kidds Beach Retirement Village, consisting of 85 residential units and located on the banks of the Mkantsi River in Kidd's Beach, Eastern Cape.
- ✓ The proposed Ilitha Housing Development located near Berlin in the Eastern Cape and consisting of 51 RDP houses in an area of approximately 3.3 hectares.
- ✓ Nelson Mandela University (NMU) Phase 3 and 4 Student Residence Development, Qgeberha, Eastern Cape.
- ✓ Kei Mouth Eco Estate near Kei Mouth in the Eastern Cape.
- ✓ Cobbay Resort development on Farm Gorah 39 located immediately to the north of Kenton-on-Sea. The project entailed the construction of 10 residential units and rezoning of remaining land as Private Nature Reserve.
- ✓ BA to obtain Environmental Authorisation (EA) for the rezoning of Erf 1477 (currently zoned as open space) to an old age home alongside Kennerley Park and the Environmental Management Plan (EMP) for the remaining botanical garden and conservation area.
- ✓ BA for a proposed Social Housing Development in Mitchell's Plain, Cape Town.

Mixed Use Developments

- ✓ Summerpride Mixed Use Development, including high-density residential apartments and a business centre.
- ✓ Upgrading the existing Walmer Country Golf club situated on a portion of Erf 14608 in Walmer for an educational facility. Portions of the property had to be subdivided and rezoned from Recreational to Community 1 (Educational), which required a Basic Assessment.
- ✓ Basic Assessment for Nelson Mandela University's Phase 3 and Phase 4 Student Residence Development project in Port Elizabeth in the Eastern Cape Province.



Tourism/eco-tourism/resorts

- ✓ Wavecrest Hotel expansion, Kentani, Eastern Cape.
- ✓ Feasibility Study and EIA for the proposed Guwa Dam Lodge and Conference Facility located in Butterworth, Eastern Cape.
- ✓ SANBI Kwelera National Botanical Garden including the development of infrastructure associated with the gardens (e.g. picnic areas, braai areas and an information center).
- ✓ SANBI development of a new office block, immediately adjacent to their existing complex, within the Pretoria National Botanical Garden. The development will expand the administrative, research, educational and tourism activities within the garden.
- ✓ Basic Assessment for the Nduli Nature Reserve Development, located in Mthatha that includes tourism, outdoor and environmental education activities.
- ✓ BA Basic Assessment for the development of an Interpretive Centre within the Bavaiaanskloof Nature Reserve. The proposed development is located approximately 55km from Willowmore in the Eastern Cape.
- ✓ Basic Assessment in King Sabata Dalindyebo Local Municipality for the proposed establishment of Nduli Nature Reserve located in Mthatha, Eastern Cape Province of South Africa.

Agricultural development

- ✓ Ranch Estate's Roodepan Cattle Feedlot, Environmental Assessment covered the

proposed development of a cattle backgrounding operation for 5,000 head of cattle. The assessment included a specialist hydrological study to assess the potential impact (including contamination) of the feedlot on ground water resources and management of 250 tons of manure per year.

- ✓ Red Crest Farms expansion, a development in the Eastern Cape consisting of three new chicken houses with a capacity of 40 000 poultry per facility, i.e. 120 000 poultry on approximately 1-2 ha of land located on Pigeon Krantz Farm in Stutterheim.
- ✓ Eco Pullets chicken rearing facility proposed to house up to half a million chickens, ranging in age from 3 days to 18 weeks. The basic assessment process included an ecological and paleontological assessment.
- ✓ Berlin Beef Feedlot, establishment of a cattle feedlot for 3000 head of cattle as well as a manure anaerobic digester.
- ✓ Grey Jade Trade Waterfall Feedlot included the construction of a cattle and pig feedlot with a capacity for 3000 cattle and 250 sows and a manure anaerobic digester with a combined heat and power plant. CES was involved in all aspects of this proposed development including the design specifications; ecological, water and waste specialist assessments; and legal requirements as per various South African legislation.
- ✓ Proposed construction of a cattle feedlot and irrigated feeding pasture in Lambasi Village near Lusikisiki, Eastern Cape for an estimated 5600 head of cattle.

