

EOH Coastal & Environmental Services

Expertise in Coastal Ecology and Coastal Zone Management

The founding partners of COASTAL & ENVIRONMENTAL SERVICES (CES), Dr Ted Avis and Professor Roy Lubke are both well-regarded coastal scientists in South Africa, and have both published widely in the field of coastal ecology and management.

Ted Avis' PhD thesis entitled "Coastal Dune Ecology and Management in the Eastern Cape" and Roy Lubke's ongoing research in this field continue to strengthen EOH CES's expertise in coastal ecology and coastal zone management (CZM).

It was the applied nature of the two founding partners' research on coastal dune ecology and management that led to the establishment of CES.

Since 1990 we have provided a wide range of environmental advisory services for a number of projects and disciplines in the coastal zone.

The EOH Group of Companies acquired all the shares in Coastal and Environmental Services (Pty) Ltd. in October 2013. EOH is the largest provider of enterprise applications, technology, outsourcing, cloud and managed services. The group is active in South Africa, Africa and the United Kingdom and has a strong Black Economic Empowerment profile.

This acquisition has enabled EOH CES to combine EOH's great reach and reputation with CES's recognised excellence in environmental and social advisory services. It has allowed us to maximize our strengths and our comprehensive offerings in the environmental and social fields, with the EOH Group providing additional administrative and fiduciary support. The existing management team of CES continues to be the driving force behind our product and service offering.

We believe that a balance between development and environmental protection can be achieved by skilful, considerate and careful planning. This approach is particularly relevant when dealing with ecologically sensitive shorelines placed under development pressure, where a scientific and holistic approach is essential. We have in-house expertise in disciplines that contribute to understanding coastal ecology and CZM. These include marine and freshwater ecology, coastal dune ecology and estuarine ecology.

In addition to the various projects listed in this statement, a large portion of EOH CES's EIAs have been undertaken for developments along the coastline of South Africa and elsewhere, whilst others have included substantial marine components. Our expertise in coastal systems makes us well placed to ensure that coastal developments are aligned with relevant coastal legislation, such as the NEM: Integrated Coastal Management Act.

Our staff are all exceptionally well qualified, with many being recognised experts in their particular disciplines. Several of our staff hold PhD degrees, and all have post-graduate qualifications in the environmental sciences.

Selected Projects

- **Strategic ecological overview of the Wild Coast:** The Department of Environmental Affairs and Tourism and the Heath Commission required a strategic ecological overview of the Wild Coast and site specific ecological assessments to investigate the alleged illegal developments along the former Transkei coast.
- **Coastal Management Policy Programme:** Together with various respected coastal ecologists, EOH CES contributed to the preparation of a number of baseline reports in support of the Coastal Management Policy Programme, the forerunner of the Integrated Coastal Management Act. The following reports were prepared: Avis, T., Christopher J., Hosking S., Lubke R., McGwynne, L. & G. Nicholson 1998. Garden Route Region (v.6), Western District Region (v.7) Border-Kei Region (v.8), Wild Coast Region (v.9), in Forbes, T., McCarthy, J. & N. Demetriades (Eds). Characterisation and Assessment of the South African Coast, Coastal Management Policy Programme, Unpublished Reports.
- **Wild Coast Environmental Management Plan and audit for the Pondoland coastal area** where areas of sensitivity were identified, existing as well as proposed development sites assessed and an Environmental Management Plan (EMP) drawn-up to facilitate managing issues and activities related to various activities. This was prepared as part of the EU Wild Coast Programme.
- **The Algoa Bay Management Plan** considered the multi-use coastal zone of Algoa Bay and the threats to and impacts on the environment that affect both the commercial and recreational interests in the area. It provided an outline for the development of a proactive and practical management plan for Algoa Bay, based on scientific integrity and stakeholder participation.
- **Eastern Cape Coastal Management Programme:** Provincial Department of Economic Affairs Environment and Tourism. Assisted in the development of the Eastern Cape Coastal Management Programme which was an initiative that emanated from the White Paper for Sustainable Coastal Development. It provided a framework for coastal management in the Eastern Cape.

- **Eastern Cape Estuaries Management Programme:** Our contribution to the Eastern Cape Estuaries Management Programme consisted of a management framework and implementation plan for Eastern Cape estuaries, and management protocols for the sustainable utilisation of living resources in the Eastern Cape.
- **Application fee structuring system for vehicle use in the coastal zone:** We developed an application fee structuring system in terms of the regulations promulgated under the National Environmental Management Act, 1998, for the control of vehicles in the coastal zone, on behalf of Department of Environmental Affairs.
- **Beach and estuarine boat launch sites audit:** We conducted an audit of all beach and estuarine boat launch sites within the Eastern Province and assessed existing and potential impacts at each site. The study was required as a result of legislation controlling the use of vehicles in the coastal zone. Prepared for the Department of Environmental Affairs and Tourism, Marine and Coastal Management.
- **Integrated Coastal Zone Management Plan (CZMP):** We prepared one of the first Integrated Coastal Zone Management Plans (CZMP), based on the requirements of the then Coastal Management White Paper for the Buffalo City Municipality coastline in the Eastern Cape. It established an appropriate framework for improved management of the coastline, and included recommendations to promote the sustainable development and management of the marine and coastal environment and natural resources.
- **Cost benefit analysis of the Integrated Coastal Management Act:** We conducted a cost benefit analysis of the Integrated Coastal Management Act to provide overall estimates of the costs associated with implementing the Act by all affected spheres of government and civil society. This included an assessment of the intangible costs and benefits of the Act to society as a whole. Prepared for the Department of Environmental Affairs and Tourism, Marine and Coastal Management.
- **Integrated environmental management plans for coastal district and local municipalities:** We have developed a number of integrated environmental management plans for coastal district and local municipalities. These considered coastal management issues and generated management plans compliant with existing guidelines and the Eastern Cape Coastal Management Programme, which EOH CES also prepared.

- **Tools of Sustainable Coastal Zone Management.** We presented two one week short courses on behalf of NACOMA / World Bank on Coastal zone management and strategic environmental assessment to various public servants involved in CZM in Namibia.
- **Training course on the Integrated Coastal Zone Management Act.** Four two day short courses were presented to various Government and NGO stakeholders to introduce and explain the NEMA: Integrated Coastal Zone Management Act. EOH CES was the study leader and lead presenter. The course focused on raising awareness and building regulatory capacity in coastal zone management. It was presented on behalf of DEA: Oceans & Coasts.
- **ADM District Coastal Management Plan:** We developed an Integrated Coastal Management Programme (CMP) for the coastal region from the Great Fish River to the Mbhashe River. This CMP covers the entire coastline of the Amathole District Municipality (ADM), excluding Buffalo City Metro Municipality (BCMM), for which a CMP has already been prepared. The CMP is aligned with the requirements of the National Environmental Management: Integrated Coastal Management Act (24 of 2008) (ICM Act). It focuses more closely on the coastlines of the Great Kei and Ngqushwa local municipalities (LM), but also integrated the findings of the CMPs currently being developed for Mbhashe and Mnguma LMs.

EOH Coastal & Environmental Services

OFFERING ENVIRONMENTAL & SOCIAL ADVISORY SERVICES ACROSS AFRICA

+27 46 622 2364, info@cesnet.co.za
67 African Street, Grahamstown, 6140

Also in Cape Town, East London, Port Elizabeth, Gauteng and Maputo

www.cesnet.co.za