

CONTACT DETAILS

Name of Company	Coastal and Environmental Services (Pty) Ltd
Trading as	CES
Description of Company	Environmental and Social Advisory Services
Designation	Gqeberha
Profession	Senior Environmental Consultant
Years of experience	7 Years
E-mail	dylan.anderson@cesnet.co.za
Office number	087 405 1451
Mobile	+27 (0) 82 093 7213
Nationality	South African

Key areas of expertise	<ul style="list-style-type: none">➤ Environmental Management➤ Coastal Management➤ Coastal and Shoreline Physical Processes
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PROFILE

Dylan obtained his MSc (Cum Laude) from Nelson Mandela Metropolitan University, BSc. Hons in Physical Oceanography from the University of Cape Town and BSc Biology, Earth and Atmospheric Sciences from the University of Cape Town. His main area of interest is coastal and shoreline processes, following on from his MSc. thesis which was focused investigations into the coastal processes and remediation of long term coastal erosion at St Francis Bay in the Eastern Cape Province of South Africa. He has subsequently worked on multiple coastal and environmental projects for public and private clients.

**EMPLOYMENT
EXPERIENCE**

➤ **Coastal and Environmental Services (Pty) Ltd. : Senior Environmental Consultant**

April 2024 – present

- Environmental Management
- Coastal and Marine Specialist Studies

➤ **Afri-Coast Engineers : Coastal and Environmental Scientist**

2007 - 2013

- Coastal Management
- Coastal Processes
- Environmental Management
- Specialist investigations

➤ **ASR Marine Consulting and Research: Coastal Scientist**

2006 - 2007

- Coastal data processing and analysis
- Numerical modeling of coastal processes in the nearshore St Francis Bay
- Numerical modeling testing of multipurpose reef designs for St Francis Bay
- Numerical modelling of hydrodynamics of Kromme Estuary
- Report writing

➤ **St. Francis Bay Beach Trust, Coastal Technician**

2004 – 2006

- Beach profile surveys, data processing and analysis
- Bathymetric Survey: Nearshore and Kromme Estuary, data collection, processing and mapping
- Nearshore wave and current data collection, data processing and analysis
- Current measurements in the Kromme Estuary, data collection, data processing and analysis
- Sediment sampling and laboratory analysis of grain size distribution

➤ **Environmental Officer, North Island, Seychelles**

2003 - 2004

- Beach profiling
- Sea Turtle monitoring
- Coral Reef monitoring
- Environmental Management

➤ **Part Time, Scientific Diver (Western Cape)**

1999 - 2002

- Code IV Scientific Diver (>100 field-work dives): including: sub-tidal crayfish surveys around the cape peninsula, kelp monitoring, seaweed aquaculture, as well as monitoring the effects of kelp harvesting on subtidal flora and fauna, False Bay and West Coast.

**ACADEMIC
QUALIFICATIONS**

➤ 2009 – MSc (Cum Laude) Botany (Nelson Mandela Metropolitan Municipality, SA)

➤ 2002 – BSc Hons. Physical Oceanography, University of Cape Town, SA

➤ 1999 – 2001 – BSc Biology, Earth & Atmospheric Sciences, University of Cape Town, SA

COURSES

- Port Engineering Short Course Feb 2009: Department of Civil Engineering, Stellenbosch University
- Basic Coastal & Harbour Engineering Short Course, November 2009, SAICE, Port Elizabeth

**CONSULTING
EXPERIENCE**

- St. Francis Bay Reefs: Environmental impact information. Prepared on behalf of the St Francis Bay Beach Trust, November (2006).
- Kromme Estuary Sand Extraction: Hydrodynamic Modelling. Prepared for the St Francis Bay Beach Trust, October (2006).
- St Francis Bay Beach Project: Feasibility Study. Prepared for the St Francis Bay Beach Trust, May (2006).
- St Francis Bay Beach Erosion Report: Special Reference to Erf # 45, prepared by Africoast Engineers on behalf of private clients, Report No. 9012/01
- Mossel Bay Fish Farm Dispersal Modelling, prepared for CCA Environmental on behalf of the Irvin & Johnson Ltd. (2008)
- Detailed design report for multipurpose reefs at 4 locations in Port Elizabeth, South Africa, prepared for Afri-Coast Engineers on behalf of the Nelson Mandela Municipality (2008)
- Beach Aquatic Safety Zones Report, Prepared by Africoast Engineers on Behalf of the Beach Office of the Nelson Mandela Bay Municipality. (2008)
- Coastal Engineering Advice: Sand Dune Migration onto Seaveiw Crescent, Cannon Rocks, Report prepared on behalf of Lexicon Attorneys. (2009)
- Long Term Beach Profile Monitoring for the Port of Ngqura Annual Report. May 2010, prepared on behalf of Transnet National Ports Authority.
- Nelson Mandela Bay Municipality Coastal Setback Line Establishment, Draft Report, on behalf of the Nelson Mandela Bay Municipality. (2012)
- St. Francis Bay Reefs: Environmental impact information. Prepared on behalf of the St Francis Bay Beach Trust. (2006).
- Zion Dam Water Quality Assessment, prepared by Afri-Coast Engineers on behalf of Makana Municipality, Parks Department, (2009)
- North End Lake Water Quality Assessment, Supplementary Investigations, prepared on behalf of Nelson Mandela Bay Municipality, Infrastructure and Engineering Waste Water Conveyance, (2009).
- New Brighton Beach: State of Environment Report, Prepared on behalf of the Beach Office, Nelson Mandela Bay Municipality, (2009).
- North End Lake Catchment Management Plan, prepared by Afri-Coast Engineers on behalf of NMBM, (2011).
- Paradise Beach: Erf 886: Flooding of NG Kerk: Preliminary Engineering and Environmental Opinion, (2011).
- Phillips Woodstove Pilot Project – Gqabera, Port Elizabeth, prepared by Afri-Coast Engineers on behalf of African Clean Energy and the Industrial Development Corporation, (2011).

PUBLICATIONS

- S. T. Mead, J. C. Borrero, K. P. Black and D. Anderson, 2007. Multi-Faceted Beach Management at St Francis Bay Beach, South Africa. *Shore and Beach* (Special Edition, Fall 2007).
- R.J. Anderson, D. R. Anderson and J.S. Anderson, 2008. Rocky shore ecology, Survival of sand-burial by seaweeds with crustose bases or life-history stages structures the biotic community on an intertidal rocky shore, *Botanica Marina*

CERTIFICATION

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Dylan Anderson

Date: May 2024