

CURRICULUM VITAE: TANDI BREETZKE

PERSONAL

Name: Tandi Breetzke
Nationality: South African
ID number: 6710080006081
Industry: Integrated Coastal Management specialist / environmental consultant
Experience: 27 years

CONTACT DETAILS

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QUALIFICATIONS

1992 BA (Hons) Geography, Natal University
 1988 Pietermaritzburg, South Africa
 BA Geography, Pretoria University, South Africa

MEMBERSHIPS

- International Association for Impact Assessment South Africa (IAIASa) Member as well as National Executive Committee member
- KZN Coastal Committee: Member
- eThekweni Coastal Committee: Member
- Coast Watch (Coastal NGO), Member
- Blue Flag National Jury, Member
- Environment Assessment Practitioners of SA, Member

LANGUAGES

English Native proficiency
 Afrikaans Bilingual proficiency

PROFILE

Tandi Breetzke is a coastal management specialist with extensive coastal management / environmental experience in both the public as well as private sectors. She has a BA honours degree in Geography and currently serves on the IAIAsa National Executive Committee; is a member of both the KZN provincial Coastal Committee as well as the eThekweni Coastal Committee, is a member of the WESSA affiliated coastal NGO, CoastWatch, as well as being a long standing jury member and now Chairman of the South African National Blue Flag Jury.

Tandi was responsible for the management and development of the Royal HaskoningDHV Coastal Management Unit where she undertook coastal and estuarine specific consultancy work and was recognised by the company as a Leading Professional. Prior to that, Tandi championed the development of the Integrated Coastal Management specialisation in South Africa and KZN, from its early policy beginnings as a Green Paper and White Paper to its eventual enactment into law and implementation. She initially developed governmental policies, practices and procedures as a provincial government official and thereafter, as an environmental consultant, implemented these hard won principles of ICM that were developed.

Tandi has also mentored and guided numerous young professionals and students within the field of integrated coastal and environmental management, thereby promoting the sustainability and longevity of the profession and ICM specialisation.

Tandi has since started her own consultancy, **CoastWise Consulting**, specialising in coastal specific work and is associated with various companies including Royal HaskoningDHV, FutureWorks, Phelamanga Projects, Groundtruth and others

EMPLOYMENT HISTORY

January 2017 to present	CoastWise Consulting	Sole proprietor
January 2013 to December 2016	Royal HaskoningDHV	Principal Specialist / Leading Professional
July 2011 to December 2012	SSI Engineers and Environmental Consultants	Principal Specialist / Leading Professional
January 2009 to June 2011	SSI Engineers and Environmental Consultants	Unit Manager: Coastal Management & Associate
July 2008 to December 2008	SSI Engineers and Environmental Consultants	Unit Manager: Coastal Management
August 2001 to June 2008	KZN Department of Agriculture and Environmental Affairs	Chief Planner then Deputy Manager
June 1993 till July 2001	KZN Department of Traditional and Local Government Affairs (Integrated Development Planning)	Planner
December 1991 till May 1993	KZN Department of Traditional and Local Government Affairs (Integrated Development Planning)	Town and Regional Planning Technician
June 1991 till November 1991	KZN Department of Traditional and Local Government Affairs (Physical Development)	Town and Regional Planning Technician
March 1990 till May 1991	KZN Department of Traditional and Local Government Affairs (Land Affairs)	Assistant Administrative Officer
May 1989 till February 1990	National Department of Public Works & Land Affairs	Assistant Property Administrative Officer

CORE COMPETENCIES

Tandi offers:

- considerable integrated coastal management skills and experience;
- extensive existing networks both in the public and private sectors;
- in-depth knowledge of current and proposed legislation, legislated coastal management requirements, government systems and processes;
- in-depth knowledge of local government needs;
- proven ability to innovate;
- excellent report writing and communication skills;
- strategic thinking and project management skills; and
- International and national best practice.

AWARDS / ACHIEVEMENTS

- 2009 SSI Innovation Award - When joining SSI in 2008, and after having been promoted to Associate within a few months of being employed, she competed in and won the Gold award for the SSI Implementation of Innovation Ideas project.
- The user friendly Guide to the ICM Act - The development of this guide was the result of a private-public partnership.
- IAIA 2010 Premium Award - an annual award presented to recognise excellence in environmental management through the application of the principles of Integrated Environmental Management (IEM).
- Nomination as a finalist in the professional category of the KZN Business Woman's Association Regional Business Achievers Award 2011
- Promotions to Principal Specialist in July 2011 - Principal Specialists are nationally recognised

experts in their fields within SSI and Royal HaskoningDHV

- Appointment as Leading Professional in 2013 - Appointment is in recognition of the role played in Integrated Coastal Management within South Africa and the contribution made to the company's profitability and reputation.

ABRIDGED PROJECT EXPERIENCE (CONSULTING SINCE 2008)

Integrated Coastal Management	
Projects:	• Stakeholder engagement process for the listing of KwaZulu-Natal boat launch sites • Coastal Management Plan for the Ballito Hills development • Coastal Management and development setback Line determination and coastal access audit for the Eden District • Mossel Bay Sediment Study • Tongaat Hulett Developments Professional Support • Refinement of the Coastal Management Lines for the Overberg District • Updating the Western Cape Coastal Management Programme • Overberg Coastal Management Programme • Northern Cape Coastal Management Programme • Coastal Set-back Lines for the West Coast District • Alfred Nzo District Municipality Coastal Management Programme • Mandeni Coastal Management Programme • Eastern Cape Coastal Management Programme • Coastal setback lines demarcation for the Overberg District • City of Cape Town Coastal Management Institutional Assessment • KwaDukuza Coastal Management Programme
Project roles:	Project management, specialist coastal management and professional support, client liaison, overall project quality control, input and guidance in respect to the determination of coastal management lines, presentation at public meetings and project review and finalisation, drafting of coastal management programmes; project review and finalisation, stakeholder engagement, and assessment of the roles and responsibilities for effective coastal governance
Clients:	Provincial Departments, Metropolitan Municipalities, District Municipalities, Local Municipalities, Conservation Authorities and Environmental Consultancies
Estuarine Management	
Projects:	• The development of seven estuarine management plans for the Ray Nkonyeni Municipality • Estuarine Management Framework and Implementation Strategy for the Western Cape Province including the updating of 17 estuarine management plans and development of 17 new estuarine management plans • Mpenjati Estuarine Management Plan • Kleinbrak Estuarine Management Plan • Isipingo Estuarine Management Plan • Various estuarine impact assessments
Project roles:	• Overall project quality control, attendance of project steering and other meetings, input and guidance in respect to the updating of Estuarine Management Plans (EMPs), compilation of new EMPs; the development of an Estuary Management Framework and Implementation Strategy for the Western

	Cape Province as well as presentation at public meetings and project review. • Project overview and financial control. Review of situation analysis and development of Estuarine Management Plans. • Review of the impact of proposed development on specific estuaries
Clients:	Provincial Departments, Metropolitan Municipalities, District Municipalities, Local Municipalities, Conservation Authorities and Environmental Consultancies
Strategic Environmental Planning & State of the Environment Reporting	
Projects:	• Development of a Wetland off-set Management Plan for the Richards Bay IDZ • Environmental Management Framework for the Ilembe District Municipality • South Africa Environmental Outlook 2012 Chapter Writers • Upgrading of Mossel Bay Point Area, Phase 1 • Hibiscus Coast Local Municipality Spatial Development Framework (SDF) • Margate Urban Renewal Project • Scottburgh Urban Renewal Project • Short Course in Strategic Planning for the Namibian Coast Conservation and Management Project (NACOMA)
Project roles:	• Overall project quality control, client liaison, attendance of project steering and other meetings, input and guidance in respect to offset plan; presentation at public meetings and project review and finalisation. • Undertake the coastal specific status quo assessment as well as desired state report. • Lead author of Oceans and Coasts chapter, co-ordination of coastal team. • Prepare specialist coastal opportunities and constraints report, review master plan and precinct plan and provide support in environmental impact process • Input into project inception, engagement with stakeholders and client, strategic coastal review, contribution to concept precinct development framework, and intervention strategies and design interventions, detailed coastal study and final consolidated report review • Overall project co-ordination and management, client liaison, review of objectives proposed and burning issues, contribute to training material, co-ordinate case studies, preparation for training in respect to materials etc.; review training material and undertake training
Clients:	Provincial Departments, Metropolitan Municipalities, District Municipalities, Local Municipalities, Conservation Authorities, Industrial Development Zones and NACOMA
Environmental Screening / Feasibility Assessments / Permitting	
Projects:	• Coastal and estuarine high level screening report for the proposed uMhlatuze Waterfront Bridge • Coastal Waters Discharge Permit application for UMhlatuze marine effluent Disposal Pipeline, • Coastal Waters Discharge Permit application for eThekweni Southern Waste Water Treatment Works • Mpophomeni / Howick Sanitation Project • Coastal Development Feasibility Assessment Farm Blythedale • Tongaat Hullet Developments North Coast Landholdings Coastal Assessment • Mossel Bay Coastal Protection • Risk Assessment for the setting up of a Coal Transit Station at Mer Rouge, Mauritius

	- Coastal Opportunity Assessment and Launch Site, Tongaat River Public Node - Professional Coastal Management Support to the KZN provincial coastal lead agent - Coastal Specialist and Risk Assessment for the Nkongweni Estuary, Margate - Coastal Specialist Report for the Proposed Nonoti Beach Development
Project roles:	- Overall Project Management, client liaison and presentation at meetings; quality control, project review and finalisation; - Provide support in respect to and facilitate environmental impact assessment process as well as undertake high level environmental screening - Coastal Assessment including regional, legal and management context, spatial assessment, integration of specialist studies, review of coastal access and scenario planning. Report of opportunities and constraints, contribution to concept and block plan development. - Environmental design and preparation of environmental management programme - Review physical effects of coal in the coastal environment, undertake an institutional review and project context identify existing and proposed facilities and propose coastal and marine considerations of existing and proposed operations undertake an environmental risk assessment and formulate detailed recommendations. - Review the coastal development opportunities, undertake environmental screening and application to license new and existing boat launch sites
Clients:	Provincial Departments, Metropolitan Municipalities, District Municipalities, Local Municipalities, Conservation Authorities, Environmental Consultancies, Water Authorities, private land owners and the Mauritius Central Electricity Board

Environmental Impact Assessment and Monitoring

Projects:	- Coastal and estuarine Impact Assessment for the Hitachi desalination plant - Environmental Impact Assessment for the Tinley Manor Southbanks Development - Environmental Impact Assessment for the Tinley Manor Beach Enhancement - Rouqual Estate Coastal Assessment - Beachfront Upgrade Phase 1: Extended in-fill Environmental Monitoring - Mnini Housing Development - An Assessment of Coastal Sensitivity - EB Steam EIA - eThekweni Promenade Upgrade - eThekweni Promenade Phase 2
Project roles:	- Project management, background and information gathering, drafting of final report; update as well as compilation of Environmental Management Programmes (EMPr), amend the authorisation and review Environmental Control Officer (ECO) work on site - Assessment of Coastal Sensitivity, provide strategic input regarding coastal and water related issues, client and authority liaison - Undertake coastal specific EIAs as well as Basic Assessments including monitoring and environmental support
Clients:	Metropolitan Municipalities, Local Municipalities, Environmental Consultancies, private land owners, developers and the business community

ABRIDGED PROJECT EXPERIENCE (CIVIL SERVICE)

Prior to July 2008, Tandi Breetzke gained over 20 diverse years of working in the civil service – from managing the former Town and Regional Planning Commission's Research portfolio;

having involvement in hands-on development planning; low income housing development; to land development matters. From 1998 onwards, she specialised in integrated coastal management (ICM) within the KZN provincial government. As head of the KZN Provincial Coastal Unit, she provided leadership for the implementation of the National Sustainable Coastal Livelihoods Programme, the development, coordination and management of various institutional and governance structures as well as the development of policies, plans and programmes. She established, facilitated and chaired the KZN Provincial Coastal Committee, the longest running coastal co-operative governance structure in South Africa, which formed the basis for the establishment of similar groups in other coastal provinces as well as the basis for the statutory structure incorporated in the Integrated Coastal Management Act. She also managed the long running research partnership with the Oceanographic Research Institute (ORI) which resulted in the establishment of KZN Coastal Sensitivity Analysis as a decision support tool. She conceptualised, established and chaired the co-operative governance advisory structure, the KZN Boat Launch Site Advisory Group, which evaluated impact assessments to license boat launch sites in KZN and this process achieved international recognition as best-practice (including such components as an operation manual, guideline documents, application adjudication, and compliance monitoring frameworks).

PUBLICATIONS AND PAPERS

1. Breetzke, T. and Moore, L. 2015. The hidden cost of streamlined EIA Regulations: who will pay the price when the ocean bites back? Presentation to IAIAsa Conference 2015.
2. Breetzke, T., van Weele, G., Moore, L. and Mather, A.A. 2015. Integrated Coastal Management Implementation in South Africa – in practice not just concept. Paper to Conference: Marine & Coastal Management 2015 - Developing Sustainable Blue Economies. Cape Town, South Africa.
3. Moore, L. 2013. *Oceans & Coasts Chapter*. State of Environment Outlook Report for the Western Cape Province 2013. Western Cape Department of Environmental Affairs and Development Planning. 1st ed: Cape Town. 35pp.
4. Celliers, L C; Colenbrander, D R; Breetzke, T; Oelofse, G (2013), Towards Increased Degrees of Integrated Coastal Management in the City of Cape Town, South Africa. Ocean & Coastal Management
5. Breetzke, T., Moore, L. and Celliers, L (2012), Oceans and Coasts Chapter. South Africa Environment Outlook 2011/12. Department of Environmental Affairs.
6. Breetzke T, Moore L & van Weele G (2011), Drawing lines in the sand: Responding to climate change in the Coastal Zone , IAIAsa Conference 2011.
7. Breetzke T, Moore L & Jacobs H (2010), An arranged marriage made in heaven? Linking policy and development planning, IAIAsa Conference 2010.
8. Celliers, L., Breetzke, T., & Moore, L. R. (2010). A Toolkit for implementing the Integrated Coastal Management Act. Guideline Document, SSI Engineers and Environmental Consultants, Durban.
9. Celliers, L., Breetzke, T., Moore, L., & Malan, D. (2009). A User-friendly Guide to South Africa's Integrated Coastal Management Act. The Department of Environmental Affairs and SSI Engineers and Environmental Consultants.
10. Breetzke, T., Celliers, L. and Moore, L. 2009. From White Paper to National Coastal Management Programme and Beyond. Presentation to IAIAsa Conference 2009.
11. Breetzke, T., Celliers, L. and Moore, L. 2009. Implications of the New Integrated Coastal Management Act for Conservation Management Agencies. Presentation to the KwaZulu-Natal

12. Celliers L, Colenbrander DR, Winson T-L, Breetzke T (2008) National Environmental Management: Integrated Coastal Management Bill 2007: A users Guide. Unpublished Report (publication pending Enactment of ICMB 2007). pp26.
13. Breetzke T, Parak O, Celliers L, Mather A, Colenbrander DR (eds.) (2008) Living with coastal erosion in KwaZulu-Natal: a short-term, best practice guide. KwaZulu-Natal Department of Agriculture and Environmental Affairs, Cedara, Pietermaritzburg: 13pp.
14. Breetzke T, Parak O, Celliers LC, Mather AA and Colenbrander D: (2008) 'Living with Coastal Erosion': – Steps That Might Be Taken, Based on the Kwazulu-Natal Best Practice Response Strategy: International Environmental Law-making and Diplomacy Review 2008, University of Joensuu, Finland, UNEP Course Series 8.
15. Celliers L, Bulman R, Breetzke T, Parak O (2007) Institutional mapping of integrated coastal zone management in KwaZulu-Natal, South Africa. Ocean Yearbook. 21:365-404.
16. Breetzke T, Bulman R, and Celliers L (2004) Sustainable decision-making? A Best Practice South African Case Study in Green et al. (ed) Delivering Sustainable Coasts: Connecting Science and Policy, Littoral 2004, 20-22 September 2004, Aberdeen Scotland. Conference Proceedings 1:371-376.
17. Celliers L, James NC, [Breetzke] Moffett T, Mann BQ (2004) A strategic assessment of off-road vehicle recreational use areas in the coastal zone of KwaZulu-Natal, South Africa. Ocean and Coastal Management. 47:123-140.
18. Celliers L, Pradervand P, [Breetzke] Moffett T (2004) Boat launch sites and the impact on coastal and marine resources along the coast of KwaZulu-Natal, South Africa. In Green et al. (ed) Delivering Sustainable Coasts: Connecting Science and Policy, Littoral 2004, 20-22 September 2004, Aberdeen Scotland. Conference Proceedings 1:371-376.
19. [Breetzke] Moffett T (2004), Department of Agriculture and Environmental Affairs. A South African Best Practice Case Study, IAIAsa Conference 2004.
20. [Breetzke] Moffett T, Celliers L (2003) Implementation of NEMA's Control of Vehicles in the Coastal Zone Regulations in KwaZulu-Natal , IAIAsa Conference 2003.
21. [Breetzke] Moffett T (2003) The KZN Lead Agent Experience: The Role of the Public Sector in Optimizing Sustainable Coastal Development, IAIAsa Conference 2001

REFERENCES

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