

CURRICULUM VITAE



WARREN HALE

NAME OF FIRM : *TERRATEST (PTY) LTD*

NAME OF PERSON : *WARREN DAVID HALE*

NATIONALITY : *SOUTH AFRICAN*

DATE OF BIRTH : *1985/01/08*

POSITION IN FIRM : *ENVIRONMENTAL SCIENTIST*

PROFESSION : *ENVIRONMENTAL CONSULTANT*

QUALIFICATION : *BSc Hons (Env Sci), BSc (Biol Sci)*

SPECIALISATION IN FIRM : *ENVIRONMENTAL COMPLIANCE AND MONITORING, ENVIRONMENTAL IMPACT ASSESSMENTS, ENVIRONMENTAL MANAGEMENT PROGRAMMES, WATER LICENSING, GEOGRAPHIC INFORMATION SYSTEMS*

YEARS OF EXPERIENCE : *10*

YEARS WITH FIRM : *6*

SUMMARY OF EXPERIENCE

Warren Hale has ten years experience in the field of Environmental Management. He has gained extensive experience in Environmental Assessment having coordinated Basic and Full Environmental Impact Assessments (EIA) and managed teams of specialists. He has been incorporated into teams for diverse projects within the broader 'Environmental and Earth Sciences' Field, where he has contributed in the technical and public participation processes. Warren has significant experience in Environmental Compliance and Monitoring.

In the field, Warren has successfully planned and orchestrated public meetings and open days. He has also undertaken numerous wetland delineations within the Province of KwaZulu-Natal. Work has taken him beyond the borders of South Africa into other developing nations, including Botswana and Swaziland.

In terms of report writing, Warren has compiled high-level Screening Reports, Scoping Reports, Basic Assessment Reports, Environmental Impact Reports and Environmental Management Programmes.

He has been involved in projects in the Climate Change and the Water Licensing fields, and, as a result, has been exposed to various modelling and data management techniques. Warren has acquired significant knowledge in the field of Geographic Information Systems (GIS).

Warren joined Terratest (Pty) Ltd in 2010 as an Environmental Scientist.

EDUCATION

- 2006 : **BSc (Hons)** (Environmental Science) – University of KwaZulu-Natal
(Howard College Campus)
- 2005 : **BSc** (Biological Science) – University of KwaZulu-Natal
(Howard College Campus)
- 2002 : **Matric** – St Henry's, Marist Brothers College, Durban

PROFESSIONAL AFFILIATIONS

Registered Member of the South African Chapter of the International Association for Impact Assessment (IAIASa – Membership ID: 2194)

Member of the Environmental Law Association

SPECIFIC EXPERIENCE

Terratest (Pty) Ltd (June 2010 – Present)

2010 – 2016 Water Licencing

Department of Water Affairs: Compulsory Water Licensing in the Mhlathuze Catchment. Northern KwaZulu-Natal, South Africa

Environmental Impact Assessment

- : Private Client: EIA for Umgano Agricultural Venture. Southern KwaZulu-Natal
- : Richmond Local Municipality: Basic Assessment for the Proposed Smozomeni Road Upgrade Project. KwaZulu-Natal
- : eThekweni Metropolitan Municipality: Basic Assessment for the Proposed Umqeku River Low-Level Bridge Crossing. KwaZulu-Natal.
- : eThekweni Metropolitan Municipality: Basic Assessment for the Proposed KwaCele and Surrounds Bulk Sewer Infrastructure Project. KwaZulu-Natal
- : Metrorail: Basic Assessment for the Stabilization of the South Coast Rail Line Embankment. Amanzimtoti, KwaZulu-Natal
- : DAS Steel (Pty) Ltd: EIA for the Construction of a Secondary Steel Foundry. Cato Ridge, KwaZulu-Natal
- : uThungulu District Municipality: Environmental Authorization Amendment for the Proposed Bulk Water Supply and Reticulation to the Kwahlokhloko Sub-supply area 1. Near Eshowe, KwaZulu-Natal
- : Zeranza 311 (Pty) Ltd: Basic Assessment for the Proposed Petroleum Filling Station Development. Harding, KwaZulu-Natal
- : SANRAL: Basic Assessment for the Proposed Compulsory Truck Stop and Road Widening to accommodate a Truck Crawler Lane on National Route 2. Kokstad, KwaZulu-Natal
- : Eskom: Basic Assessment for Zaaifontein-Mathondwane 88kV Wolf Line Establishment. Ladysmith / Emnambithi KwaZulu-Natal
- : Umzimkhulu Local Municipality: Landfill Site Selection and Solid Waste Management Plan. South western KwaZulu-Natal
- : Eskom: EIA for Harrison Flats Power Supply Upgrade. Cato Ridge, KwaZulu-Natal

- : Private Client: Basic Assessment for the Ebony Drive Rezoning Application. KwaZulu-Natal
- : Umgeni Water: EIA for the proposed Mpopana Bulk Water Supply Scheme. KwaZulu-Natal Midlands
- : eThekweni Metropolitan Municipality: EMP for the proposed Rega Place Access Road. KwaZulu-Natal
- : Mandeni Local Municipality: Basic Assessment for the proposed Mandeni Cemetery. KwaZulu-Natal

Environmental Compliance and Monitoring (ECO & EO)

- : Private Client: Environmental Control Officer for the Construction of Windspur Estate. Nottingham Road, KwaZulu-Natal
- : WorleyParsons RSA: Environmental Control Officer for the Construction of an Overload Control Facility and Interchange, N2, Section 29. Teza, KwaZulu-Natal
- : Sukuma Consulting Engineers (Pty) Ltd: Environmental Control Officer for the Bhekuzulu Community Water Supply Scheme. Epangweni, KwaZulu-Natal
- : eThekweni Metropolitan Municipality: Environmental Control Officer for the Ntuzuma D (Phase 2 & 3) Housing Project. Durban, KwaZulu-Natal
- : Eskom Holdings SOC Ltd: Environmental Control Officer for the Mathondwane-Zaaifontein 88kV Wolf Line Establishment Project. Ladysmith, KwaZulu-Natal
- : Royal HaskoningDHV: Environmental Control Officer for the Construction of the Qudeni Link Road. Nquthu and Msinga Local Municipalities, KwaZulu-Natal
- : Royal HaskoningDHV: Environmental Control Officer for the Construction of the Mlambomunye River Bridge Crossing. Qudeni, KwaZulu-Natal
- : Royal HaskoningDHV: Environmental Control Officer for the Upgrading of the P373 and P280 Roads. Muden, KwaZulu-Natal
- : Royal HaskoningDHV: Environmental Control Officer for the Upgrading of the P435 'Ndumo Access Road'. Ndumo, Northern KwaZulu-Natal
- : Royal HaskoningDHV: Environmental Control Officer for the Upgrading of the Nsuze River Bridge. Nkandla, KwaZulu-Natal
- : SMEC (Pty) Ltd: Environmental Control Officer for the Construction of the Umgeni Road Interchange. Durban, KwaZulu-Natal
- : SMEC (Pty) Ltd: Environmental Control Officer for the Construction of the Mount Edgecombe Interchange. Durban, KwaZulu-Natal
- : SMEC (Pty) Ltd: Environmental Control Officer for the Upgrading of the N2, Section 26. Durban, KwaZulu-Natal
- : Mott MacDonald PDNA: Environmental Control Officer for the Construction of a Compulsory Truck Stop on N2, Section 21 between km 26 and km 32. Kokstad, KwaZulu-Natal
- : Transnet Freight Rail (RME): Environmental Officer for the Ferromanganese Clean Up Project, Pier 1, Port of Durban.
- : Transnet Freight Rail (RME): Environmental Officer for the Reconstruction and Deepening of Berth 2, Cutler Complex, Port of Durban
- : Transnet Freight Rail (RME): Environmental Officer for the Causeway Canal Wall Repair Project, Pier 1, Port of Durban
- : Transnet Freight Rail (RME): Environmental Officer for the Abadan Road Canal Wall Maintenance Project, Cutler Complex, Port of Durban
- : Transnet Freight Rail (RME): Environmental Officer for the Island View West Retaining Wall Project, Island View, Port of Durban

- : Transnet Freight Rail (RME): Environmental Officer for the Fynnland Yard Flow Drain Construction Project, Fynnland, Port of Durban
- : Transnet Freight Rail (RME): Environmental Officer for the Maydon Wharf Yard Flow Drain Construction Project, Maydon Wharf, Port of Durban
- : Transnet Freight Rail (RME): Environmental Officer for the Steel Platform Construction Project at Berth 7, Cutler Complex, Port of Durban
- : Transnet Freight Rail (RME): Environmental Officer for the Divider Block Casting Operation at Berth 9, Pier 1, Port of Durban
- : Transnet Freight Rail (RME): Environmental Officer for Allen Dalton Substation Building Refurbishment Project, Pier 1, Port of Durban
- : Transnet Freight Rail (RME): Environmental Officer for the Construction of the Central Foam Induction Pump House at Berth 9, Pier 1, Port of Durban
- : Transnet Freight Rail (RME): Environmental Officer for the Construction of Electrical Infrastructure at the RORO Terminal. Port of Durban, KwaZulu-Natal
- : Canboria Investments cc: Environmental Control Officer for the Construction of Edgemount Estate, Erf 2657. Mount Edgecombe, KwaZulu-Natal

Botanical Assessments

- : Eskom Holdings SOC Ltd: Botanical Assessment for the Interconnecting Line between Kwambonambi NB 14 and Reserve 4 NB 75. KwaZulu-Natal.
- : Eskom Holdings SOC Ltd: Botanical Assessment for the Interconnecting Line between Kwambonambi NB 3 And Reserve 4 NB 75. KwaZulu-Natal.

Geographic Information Systems

- : Private Client: GIS Mapping for Mining Permit Applications at Various Sites. KwaZulu-Natal, South Africa

Wetland Delineation

- : Private Client: Wetland Delineation on Sub 30 of Lot 37 Marburg Settlement, 6238. Southern KwaZulu-Natal, South Africa

Guy Nicolson Consulting cc (December 2009 – May 2010)

2009 – 2010 Environmental Impact Assessment

- : eThekweni Metropolitan Municipality: Basic Assessment for the proposed Low-level Vehicle and Pedestrian Bridge across the Kloof Stream in the Clermont / KwaDabeka Ward 22 area of eThekweni Municipality
- : eThekweni Metropolitan Municipality: Basic Assessment for the proposed Pedestrian Bridge crossing over the Kloof Stream in the Clermont / KwaDabeka Ward 22 area of eThekweni Municipality
- : eThekweni Metropolitan Municipality: Basic Assessment for the proposed Pedestrian Crossing across the Umhlangane River in the Mount Moriah / Mount Royal Area (Ward 34) of eThekweni Municipality
- : eThekweni Metropolitan Municipality: Basic Assessment for the proposed Pedestrian Bridge Crossing over the Golokodo (Folweni) River in Umlazi (Ward 95) within eThekweni Municipality
- : Gillitts Hardware: Basic Assessment for the proposed Danish Centre Development on Portions 17 and 52 of the Farm Stockville, 1382, in the Outer West of the eThekweni Municipality
- : Louville Properties cc: Basic Assessment for the proposed Apartments situated

at 76 South Beach Road on Portion 10A (of Erf 662), Tongaat 335 within the North Administrative Unit of eThekweni Municipality

- : Private Client: Basic Assessment for the proposed Nordic Park Development on Portion 414 of the Farm Uitkomst and Doornrug No. 852, Cato Ridge
- : Private Client: Basic Assessment for the proposed Additions and Alterations to Residential Unit at 30 Newsel Road, Umdloti, Kwazulu-Natal

Wetland Assessment

- : Uddi Project Development: Wetland Delineation on Remainder of Erf 1023 & Portion 7 of 1023, Port Edward Township on the South Coast of Kwazulu-Natal
- : Private Client: Wetland Delineation on Erf 814 and Erf 816 of the Farm Glenmore, Situated off Monty Sawyer Drive, Hibiscus Coast Local Municipality
- : Architectural Associates Inc.: Wetland Delineation on Portion 1 of the Farm Eureka, 15166, situated off Old Main Road, Izotsha, in the Hibiscus Coast Local Municipality
- : Private Client: Wetland Delineation on Portions 1, 2, 3, 4, & 5 of Erf 171, of the Farm Botha's Hill, 0031, Situated at 61, 63, 65, 67 & 67A Old Main Road, in the Outer West of the eThekweni Metropolitan Municipality,
- : Blue Nightingale Trading 720 (Pty) Ltd: Wetland Delineations on the Consolidated Portion 80 and on the Remainder of Portion 26 (of 3) of the Farm Hooper, 14147, situated off David Drive, Hibberdene
- : Afzelia Environmental Consults: Wetland Delineation on Portion 310 of the Farm Roode Krans, 828, Verulam, eThekweni Metropolitan Municipality
- : Mathson Property Developments cc: Wetland Investigation on Remainder of Umnini Location, 1788, on the South Coast of Kwazulu-Natal
- : Plankonsult: Wetland Delineation on Portion 7 of the Farm Ocean View, Kelso, on the South Coast of Kwazulu-Natal

Golder Associates Africa (Pty) Ltd (December 2007 – November 2009)

2007 – 2009 Environmental Impact Assessment

- : Transnet Pipelines: EIA for proposed New Multi-Product Pipeline (NMPP) Project. KwaZulu-Natal and Gauteng, South Africa
- : Corridor Sands Ltd: EIA for proposed Ilmenite Smelter at Beluluane Industrial Park. Maputo/Matola, Mozambique
- : Transnet: EIA for Upgrade of Bayhead Road and Construction of a Link Road. KwaZulu-Natal, South Africa
- : Vopak Terminals Durban: EIA for Vopak Terminals Durban Efficiency Project. KwaZulu-Natal, South Africa
- : eThekweni Metropolitan Municipality: Urban Integrated Assessment Framework for Climate Change. KwaZulu-Natal, South Africa
- : Transnet Pipelines: High-level Environmental and Social Impact Study for various Pipeline Routing Options to move Aviation Fuel from Island View to King Shaka Airport

Occutech cc (February 2007 – October 2007)

2007 Environmental Monitoring

- : De Beers Group: Environmental Monitoring at Jwaneng Diamond Mine. Kweneng Province, Botswana

Occupational Hygiene

- : Royal Swazi Sugar Company: Occupational Hygiene Assessment at Various Sugar Mills; Swaziland
- : Numerous occupational hygiene assessments for a variety of clients from the industrial, commercial, health and education sectors.

LANGUAGES

English : *Excellent*
Afrikaans : *Good*
Zulu : *Basic Communication*