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# CURRICULUM VITAE

## MADELEINE KNOETZE

### PERSONAL

**Profession:** Senior Environmental Assessment Practitioner  
**Nationality:** South African  
**Languages:** English & Afrikaans (read, write and speak) – Fluent  
**Drivers License:** Code B  
**EAPASA Registration:** No. 3230

### SUMMARY

Madeleine holds a Bachelor of Science in Environmental Sciences from the Nelson Mandela Metropolitan University obtained in 2014. She has 8 years' experience in the environmental field, she has proven competency in the compilation of environmental assessments, water use licence applications, legal compliance, on-site monitoring, rehabilitation reporting, aquatic impact assessments and Geographic Information Systems (GIS). To date she has completed numerous environmental assessments, management plans, licencing applications, aquatic assessments and audits within the private and governmental spheres. Madeleine is registered with EAPASA as a certified Environmental Practitioner (EAPASA #3230).

### WORK EXPERIENCE

#### October 2022 – Present: Sharples Environmental Services cc, Cape Town, WC

##### *Environmental Assessment Practitioner*

- Basic Assessments Reports;
- Environmental Impact Assessments;
- Environmental Management Programmes;
- Legislative documentation;
- Administration.

#### February 2015 – September 2022: Exigent Engineering Consultants CC, Johannesburg, GTN

##### *Environmental Assessment Practitioner and GIS Specialist*

- Management and compilation of GIS database;
- Advanced GIS Applications;
- Environmental Impact Assessments;
- Water Use License Applications;

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- Environmental Impact Assessments • Basic Assessments • Environmental Management Planning
  - Environmental Control & Monitoring • Water Use License Applications • Aquatic Assessments



- Environmental Monitoring/Auditing
- Stakeholder Engagement
- Rehabilitation and Monitoring Programmes
- Ecological and Wetland Assessments
- Project Management

## TERTIARY EDUCATION

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### 2014: Nelson Mandela Metropolitan Municipality

- Bachelor of Science Degree specialising in Environmental Sciences.

## ACCREDITATION / ASSOCIATION

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- EAPASA Registration: No. 3230
- Member IAIA South Africa

## KEY PROJECTS

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<b>2024</b>	<b>Beaufort West</b>	Mulilo Renewable Project Developers (ongoing)
	<ul style="list-style-type: none"> <li>• Basic Assessment Report in terms of GN114 of 2018 for the proposed Wind Energy Facility Cluster near Beaufort West, Western Cape</li> </ul>	
<b>2023</b>	Plettenberg Bay	Private Developer (ongoing)
	<ul style="list-style-type: none"> <li>• Scoping Report for a proposed mixed-use development in Kranshoek, Bitou Local Municipality.</li> </ul>	
<b>2023</b>	Plettenberg Bay	Private Developer (ongoing)
	<ul style="list-style-type: none"> <li>• Scoping Report for the proposed Kurland housing development on Erf 920, Kurland, Bitou Local Municipality.</li> </ul>	
<b>2023</b>	Plettenberg Bay	Private Developer (ongoing)
	<ul style="list-style-type: none"> <li>• Basic Assessment for the proposed Kurland Bulk Water infrastructure scheme in Bitou Local Municipality.</li> </ul>	
<b>2022-2024</b>	Cape Town	Allweld on behalf of Eskom (ongoing)
	<ul style="list-style-type: none"> <li>▪ Basic Assessment for the proposed construction of a reservoir located within the Koeberg Nuclear Power Station.</li> </ul>	
<b>2022-2024</b>	Oudtshoorn	Department of Infrastructure
	<ul style="list-style-type: none"> <li>▪ Basic Assessment for the proposed re-establishment of Trunk Road (TR75/1) near Oudtshoorn. – Environmental Authorisation Granted</li> </ul>	
<b>2022/2023</b>	Mossel Bay	Confuel (Pty) Ltd
	<ul style="list-style-type: none"> <li>▪ Basic Assessment for the proposed establishment of a truck stop and associated infrastructure on Erf 56 and 57, Mossdustria – Environmental Authorisation Granted</li> </ul>	
<b>2022/2023</b>	De Aar	Mulilo Renewable Energies (ongoing)
	<ul style="list-style-type: none"> <li>▪ Scoping and Environmental Impact Assessment for the proposed Hercules solar cluster near De Aar, Northern Cape.</li> </ul>	
<b>2022</b>	Northam	Spitskop Energy
	<ul style="list-style-type: none"> <li>▪ Scoping and Environmental Impact Assessment for the proposed Spitskop photovoltaic power plant located near Northam, Limpopo.</li> </ul>	
<b>2022</b>	Dealesville	Antlia Energy

- Basic Assessment for the proposed Good Hope 1 and 2 photovoltaic power plants located near Dealesville, Free State (Fell under the ambit of GN113).
- 2022** Richards Bay
- Scoping Report for the proposed Thermal Energy Power Plant and associated infrastructure development in Richards Bay, KwaZulu-Natal.
- 2022** Midrand Central Developments
- Environment Control Officer for the external infrastructure associated with the proposed Extension 56 and 57 of Louwlandia, Midrand, Gauteng.
- 2021/2022** Pienaarsrivier MDV Developments
- Basic Assessment for the proposed Filling Station on Erf 425 and Erf 426 in Pienaarsriver, Bela-Bela Local Municipality.
- 2022** Johannesburg Central Developments
- Basic Assessment and Water Use Licence Application for the construction of the Proposed Residential Development on Holding 194 of Erand Agricultural Holdings and Portion 1687 (A Portion of Portion 9) of the Farm Randjesfontein No.405-Jr, City of Johannesburg.
- 2021/2022** Pretoria Snowy Owl Developments
- Basic Assessment for the Proposed Development of a Sewer Line for the Proposed Sammy Marks Township, City of Tshwane.
- 2021/2022** Johannesburg Central Developments
- Part 2 Amendment of the Environmental Authorisations Amendments to the proposed Northgate Mixed Use Development in North Riding, City of Johannesburg.
  - This project included the complex integrated design mapping, the compilation of an Operational Stormwater Management Programme.
- 2020/2022** Johannesburg Central Developments
- Part 2 Amendment of the Environmental Authorisation of the proposed Blue Hills housing development located in the City of Johannesburg.
- 2020** Derdepoort Central Developments
- Environment Control Officer for the external infrastructure associated with the residential developments located on Erf 452, Derdepoort, Gauteng.
- 2020** Johannesburg Central Developments
- Environment Control Officer for the external infrastructure associated with the proposed Northgate Mixed Use Development in North Riding, City of Johannesburg.
- 2020** Pretoria Central Developments
- Environment Control Officer for the external infrastructure associated with the residential developments at Bronberg X9 and X13, Gauteng.
- 2019** Empangeni Accurate Trading
- Basic Assessment for the proposed Filling Station and associated infrastructure of Erf 3961, Empangeni.
- 2018/2019** Richards Bay City of uMhlathuze Local Municipality
- Environment Control Officer for the internal infrastructure associated with the Aquadene housing development, Richards Bay, KwaZulu-Natal.

- 2018/2019**      Empangeni      City of uMhlathuze Local Municipality
- Basic Assessment Report for the proposed Upgrade of Water Supply Infrastructure for Khoza water supply area phase 1: Empangeni.
  - General Authorisation obtained for the proposed project.
- 2018/2019**      Richards Bay      City of uMhlathuze Local Municipality
- Basic Assessment Report for the proposed upgrade of the rural roads in Mandlazini – Phase 2, Richards Bay, KwaZulu-Natal.
  - General Authorisation obtained for the proposed project.
- 2018/2019**      Melmoth      Mthonjaneni Local Municipality
- Basic Assessment Report for the proposed upgrade of the Melmoth Sanitation Scheme (Phase 3): Outfall Sewers and Water Treatment Works, Melmoth, KwaZulu-Natal.
  - Water Use Licence for the proposed project.
- 2016-2019**      Esikhaleni      City of uMhlathuze Local Municipality
- Basic Assessment Report for the proposed upgrade of the rural roads in Mandlazini – Phase 2, Richards Bay, KwaZulu-Natal.
  - General Authorisation obtained for the project (2016-2017).
  - Environmental Control Officer (including water quality surveyor) and the required DAFF permitting and further monitoring (2018-2019).
- 2016/2017**      Melmoth      Mthonjaneni Local Municipality
- All mapping for the Mthonjaneni Local Municipality Land Use Management Scheme, KwaZulu-Natal.
- 2015-2016**      Richards Bay      City of uMhlathuze Local Municipality
- Basic Assessment Report for the proposed upgrade of the Richards Bay Outfall Sewer and Nkoninga pump station, Veld en Vlei, KwaZulu-Natal.
  - Water Use Licence Technical Documentation completed for the proposed project.
- 2015-2017**      Mkuze      Private
- Scoping Report and Environmental Impact Assessment for the proposed agricultural development near Mkuze, KwaZulu-Natal.
  - Environmental Control Officer for the project 2017.
- 2015/2016**      Richards Bay      uMhlathuze Water
- Basic Assessment Report for the proposed Installation of a Diesel Generator at the Existing Mhlathuze Transfer Pump Station, Richards Bay.
- 2015**      Hammarsdale      SANRAL
- Water Use Licence Application for the proposed interchange upgrade along the N3 highway, near Hammarsdale, KwaZulu-Natal.
- 2015**      Gauteng      Gautrain
- Province wide mapping of all public transport infrastructure for the purpose of sensitivity mapping required to evaluate the environmental feasibility of future expansions of the Gautrain Transport network.

# CURRICULUM VITAE

## BETSY-JANE DITCHAM

### PERSONAL

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**Profession:** Director & Environmental Assessment Practitioner

**Nationality:** South African

**Languages:** English (read, write and speak) & Afrikaans (read, write and speak)

**Drivers License:** Code B

**EAPASA Registration:** No. 1480

### SUMMARY

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Betsy has a Bachelor of Science Honours Degree in Wildlife Management from the University of Pretoria and a Bachelor of Science Degree (Zoology and Ecology) obtained from the University of Cape Town in 2005. She has 11 years' experience in the environmental field, including environmental assessments, legal compliance, on-site compliance monitoring, cleaner production and business greening and sustainability (carbon and environmental footprinting). In her time as a consultant, she has compiled a number of environment assessments and management plans for both private and governmental clients. Betsy is a co-owner of SES and is Registered with EAPASA (**Reg No. 1480**).

### WORK EXPERIENCE

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**March 2020 - Present:** Sharples Environmental Services cc, Cape Town, WC

*Co-Owner and Cape Town Office Manager: Principal Environmental Assessment Practitioner*

- Project Management / Client Liaison
- Environmental Authorisation
- Environmental Management Programmes
- Public Participation
- Legal Compliance
- On-site compliance auditing

**2018 – Feb 2020:** Sharples Environmental Services cc, Cape Town, WC

*Cape Town Office Manager: Principal Environmental Assessment Practitioner*

- Environmental Authorisation
- Environmental Management Programmes
- Public Participation
- Legal Compliance
- On-site compliance auditing

**August 2017 to December 2017:** WSP, Cape Town, WC

*Assistant Consultant*

- Environmental Authorisation
- Legal compliance
- Air quality monitoring
- Public participation

**October 2009 to October 2015:** Jeffares & Green Engineering & Environmental Consultants, Pinelands, WC

*Environmental Scientist*

- On-site compliance auditing
- Environmental footprinting (carbon, water, waste)
- Business greening & sustainability
- Environmental authorisations
- In-house newsletter

**July 2009 to September 2009:** Freelance, Cape Town, WC

*Environmental Control Officer*

- Environmental auditing of construction related projects

## TERTIARY EDUCATION

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**2005** University of Cape Town

- Bachelor of Science Degree with a double specialisation in Zoology and Ecology

**2006** University of Pretoria

- Bachelor of Science Honours Degree in Wildlife Management

## ACCREDITATION / ASSOCIATION

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- **EAPASA** Registration: No. 1480
- **Member IAIA South Africa**
- **Green Building Council of South Africa:** Green Star Accredited Professional

## KEY PROJECTS

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|------------------|---|--|
| <b>2021/2022</b> | Cape Town   | Trans-Africa Projects on behalf of Eskom                         |
| ■                | Environmental Control Officer for the Construction of the Original Steam Generator Interim Storage Facility within Koeberg Nuclear Power Station, Duynefontein, Western Cape  |  |
| <b>2020/2021</b> | Cape Town   | Gridbow on behalf of Eskom                                       |
| ■                | Environmental Control Officer for the expansion of the car park within Koeberg Nuclear Power Station, Duynefontein, Western Cape  |  |
| <b>2020/2021</b> | George  | George Municipality  |
| ■                | Environmental Impact Assessment for proposed University Precinct Development at the Garden Route Dam and Associated Infrastructure on a Portion of Remainder Farm 464, George, Western Cape   |  |
| <b>2020</b>      | George  | GrowGreen  |
| ■                | Waste Registration Process for the Composting Activities being undertaken by GrowGreen in George, Western Cape  |  |
| <b>2019/2020</b> | Herolds Bay   | Mr Abraham Jacobus Cronje  |
| ■                | Basic Assessment for the proposed Development of Herolds Bay Country Estate on a Portion of Portion 7 Farm Buffelsfontein No. 204, Herolds Bay, Western Cape  |  |
| <b>2019/2020</b> | Groot Brak  | Rooikat Recycling  |
| ■                | Basic Assessment and Waste Management Licence for the proposed Pilot Deploymerisation Processing Plant in Mossel Bay  |  |
| <b>2019/2020</b> | Plettenberg Bay   | Status Homes Property Developers (Pty) Ltd                       |
| ■                | Environmental Impact Assessment for the proposed Mixed-Use Development on Portion 9 of the Farm Kranshoek No. 432, Knysna Road, Plettenberg Bay   |  |
| <b>2019</b>      | Cape Town   | City of Cape Town  |
| ■                | Environmental Authorisation Amendment for the Bulk Water Pipeline along Baden Powell Drive, Khayelitsha, WC   |  |
| <b>2019</b>      | Caledon   | Department of Transport and Public Works Western Cape Government |
| ■                | Basic Assessment for the proposed replacement and upstream re-alignment of Bridge 0564a, located at Km 23.47 on Divisional Road 1252, crossing the Klein River, south east of Caledon; The replacement of Causeway 12226, located at Km 0.49 on OP4032, on a minor road and close to MR326, linking Stanford with the N2; And the replacement of Culvert 10656, located at Km 3.7 on Divisional Road 1218, east of Stanford |  |

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|------------------|---|--|
| <b>2019</b>      | Plettenberg Bay   | Bitou Municipality                     |
|                  | <ul style="list-style-type: none"> <li>▪ Environmental Impact Assessment for the proposed Upgrade and Improvement of the existing Stormwater System in Poortjies, Plettenberg Bay</li> </ul>              |  |
| <b>2018</b>      | Plettenberg Bay   | Bitou Municipality                     |
|                  | <ul style="list-style-type: none"> <li>▪ Environmental Impact Assessment for the proposed New Horizons and Kwanokathula Phase 5 &amp; 6 Mixed-Use Developments &amp; Associated Infrastructure</li> </ul> |  |
| <b>2018</b>      | Cape Town   | City of Cape Town                      |
|                  | <ul style="list-style-type: none"> <li>▪ Environmental Impact Assessment and Environmental Authorisation Amendment processes for the Proposed Mixed-Use Housing Development at Symphony Way</li> </ul>    |  |
| <b>2018</b>      | East London   | Buffalo City Metropolitan Municipality |
|                  | <ul style="list-style-type: none"> <li>▪ Environmental Impact Assessment for the Proposed West Bank WWTW Marine Outfall Pipeline</li> </ul>   |  |
| <b>2018</b>      | Cape Town   | Xintong Steel                          |
|                  | <ul style="list-style-type: none"> <li>▪ Environmental Authorisation Amendment for Xintong Steel, Atlantis Industria, Western Cape</li> </ul>   |  |
| <b>2018</b>      | Cape Town   | Private                                |
|                  | <ul style="list-style-type: none"> <li>▪ Environmental Control Officer for the replacement of Damaged Seawall, Erf 234, Bloubergstrand</li> </ul>   |  |
| <b>2017/2018</b> | Saldanha/Cape Town  | Transnet                               |
|                  | <ul style="list-style-type: none"> <li>▪ Ambient and Stack Air Quality Monitoring for Transnet Ports Terminals</li> </ul>   |  |
| <b>2017</b>      | Cape Town   | Strandfoam                             |
|                  | <ul style="list-style-type: none"> <li>▪ Waste Storage Registration for Strandfoam</li> </ul>   |  |
| <b>2015</b>      | Cape Town   | EcoStandard                            |
|                  | <ul style="list-style-type: none"> <li>▪ Development of an Environmental Rating Label for Building Products</li> </ul>  |  |
| <b>2015</b>      | Cape Town   | HatchGOBA                              |
|                  | <ul style="list-style-type: none"> <li>▪ Basic Assessment for the Upgrade of Trunk Road 11/1 (N7) from Potsdam to the Melkbos Interchange</li> </ul>  |  |
| <b>2015</b>      | Cape Town   | Private                                |
|                  | <ul style="list-style-type: none"> <li>▪ Environmental Control Officer for the Construction of Clifton Terraces, Clifton, Cape Town</li> </ul>  |  |
| <b>2015</b>      | Worcester   | Eskom                                  |
|                  | <ul style="list-style-type: none"> <li>▪ Environmental Control Officer for the Construction of the Badsberg Substation and Associated Powerlines</li> </ul>   |  |
| <b>2014</b>      | Saldanha  | Transnet                               |
|                  | <ul style="list-style-type: none"> <li>▪ Environmental Control Officer for the maintenance and upgrade of the Sishen/Saldanha Iron Ore Railway line</li> </ul>  |  |
| <b>2014</b>      | Cape Town   | WasteControl                           |
|                  | <ul style="list-style-type: none"> <li>▪ Accreditation of Service Provider of Waste Management Services in Cape Town</li> </ul>   |  |
| <b>2014</b>      | Cape Town   | Compass Bakery                         |
|                  | <ul style="list-style-type: none"> <li>▪ Environmental Footprint – Auditing, data analysis, report writing</li> </ul>   |  |

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|------------------|---|--|
| <b>2014</b>      | Cape Town   | City of Cape Town                        |
| ▪                | Wastewise III: Community and schools waste education and awareness campaign   |  |
| <b>2014</b>      | Cape Town   | City of Cape Town                        |
| ▪                | Environmental Management Plan for the Dido Valley Housing Project   |  |
| <b>2013</b>      | Western Cape  | Sunspot                                  |
| ▪                | Environmental Impact Assessment for the construction of Solar farms in De Doorns, Riebeek Kasteel, Wolseley, Porterville, Eendekuil, Bonnievale, Klipheuwel and McGregor. |  |
| <b>2013</b>      | Nationwide  | National Cleaner Production Centre       |
| ▪                | Cleaner production studies for 4 automotive manufactures  |  |
| <b>2008-2012</b> | Worcester   | Department of Public Works               |
| ▪                | Environmental Control Officer for Upgrade of the medium security prison at Brandvlei Correctional Facility, Worcester   |  |
| <b>2010-2012</b> | Cape Town   | City of Cape Town                        |
| ▪                | Environmental Control Officer for the Various improvements to various WWTW in Cape Town   |  |
| <b>2011</b>      | Cape Town   | Svenmills                                |
| ▪                | Environmental Footprint of the textile factory  |  |
| <b>2011</b>      | Cape Town   | Clicks (V&A Waterfront)                  |
| ▪                | Environmental Footprint of the V&A Waterfront Store   |  |
| <b>2011</b>      | Cape Town   | Pick n Pay (Canal Walk)                  |
| ▪                | Environmental Footprint of the Canal Walk Store   |  |
| <b>2010</b>      | Cape Town   | Department of Transport and Public Works |
| ▪                | Environmental Control Officer for the Reseal of TR-77   |  |
| <b>2010</b>      | Cape Town   | City of Cape Town                        |
| ▪                | Environmental Control Officer for the Infrastructure work on Coastal Park Landfill site   |  |
| <b>2010</b>      | Paarl   | Novo                                     |
| ▪                | Environmental Control Officer for the Rebuilding of the Packhouse, including environmental training   |  |
| <b>2009</b>      | Oudtshoorn  | Oudtshoorn Municipality                  |
| ▪                | Development of the Municipal Strategic Environmental Assessment   |  |
| <b>2008-2009</b> | Nationwide  | Department of Environmental Affairs      |
| ▪                | Permit backlog for 581 waste management facilities (landfill & non landfill facilities) in South Africa   |  |
| <b>2008</b>      | Cape Town   | City of Cape Town                        |
| ▪                | Environmental Control Officer for the Extension of the Vissershok landfill site   |  |