

## CURRICULUM VITAE: Christine Colvin

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Firm : CSIR, Environmentek, Stellenbosch  
Profession : Hydrogeologist  
Specialization : Hydrogeology  
Position in Firm : Research Group Leader  
Joined CSIR : 1995  
Nationality : British (South African resident)  
Year of Birth : 1968  
Language Proficiency : English (Mother tongue)

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### KEY QUALIFICATIONS

- Ecosystem functioning of groundwater
  - Groundwater management within the Integrated Catchment Management framework
  - Groundwater resource assessment
  - Contaminated groundwater and soil investigation and risk assessment
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### EDUCATION AND PROFESSIONAL STATUS

M.Sc Hydrogeology,	University College London, UK	1994
B.Sc Hons (Geology)	University of Southampton, UK	1989
Ph.D Eco-hydrogeology	University of Cape Town, RSA	present

#### Memberships:

- Geological Society of South Africa, Groundwater Division
  - International Association of Hydrogeologists, Chairman for South Africa; ex-Vice President for Sub-Saharan Africa; Chair of Commission on Groundwater Dependent Ecosystems.
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### EMPLOYMENT AND EXPERIENCE RECORD

#### 1996 - present Hydrogeologist CSIR (South Africa).

##### Project leader

- Assessment of aquifer dependent ecosystems in South Africa
- Ecosystem impacts of groundwater abstraction from the TMG aquifer
- Groundwater contribution to mangrove ecosystems – Catchment2Coast
- National guidelines for the management of groundwater in Water Management Areas.
- Setting resource quality objectives for groundwater.
- Classification of groundwater resources under the National Water Act.
- Assessment of groundwater dependent vegetation.
- Catchment management in groundwater dependent areas of the Northern Cape
- Organisation of the annual congress for the International Association of Hydrogeologists.
- Specialist study for Milnerton tank farm EIA
- Specialist study for Somchem SEA

##### Specialist researcher

- Agricultural impacts on groundwater quality – assessment and guidelines
- Guidelines for stakeholder participation in groundwater management.
- Hydrogeological baseline and impact assessment for Coega development.
- Koeberg hydrological site safety report

#### 1995 – 1996 Hydrogeologist CH2M HILL (UK Ltd) (UK, Eastern Europe, Middle East).

##### Hydrogeologist

- Strategy to select BATNEEC remediation methods for contaminated land in the UK.
  - Contaminated site investigation at pharmaceutical production plant, Hungary.
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- Remediation of contaminated automotive assembly plant in the UK.
  - Establishment of beachwells to supply desalination plant, Kuwait.
  - Hydrogeological impact on quarrying operations, UK.

**1992 – 1994 Hydrogeologist *Interconsult Namibia Pty (Ltd)* (Namibia)**

Hydrogeologist

- Hydrogeological characterisation and resource evaluation of Windhoek fractured aquifer.
- Geophysical groundwater exploration for drought relief programme in the Kalahari.
- Rural groundwater supply development: needs assessment, exploration, drilling supervision, well design, installation and testing.

**PUBLICATIONS**

As main & co-author:      Reports (contract and published) 19  
Published papers      9

A full publications list is available on request.