

<b>CV for Sue Ira</b>
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**Name:** Susan Jean Tyson Ira**Position:** Director  
(Environmental Scientist)**Education**

<b>Institution and Location</b>	<b>Degree</b>	<b>Field of Study</b>
University of Cape Town South Africa	MSc	Environmental and Geographical Science
University of Cape Town South Africa	BA (Hons)	Environmental and Geographical Science
University of Cape Town South Africa	BA	Environmental and Geographical Science & Archaeology

**Professional Experience****KORU ENVIRONMENTAL CONSULTANTS LTD**Director (January 2007 to date)

In 2007 I set-up Koru Environmental Consultants Limited. The company specializes in stormwater and low impact design training, planning and policy advice, consent processing and life cycle costing. Some of the contracts that we are currently working on include:

- Development of a rural stormwater strategy for the Rodney District. Client – Rodney District Council (RDC)
- Development of a stormwater treatment prioritization strategy for the Rodney District. Client – RDC
- Preparation of the Point Wells catchment management plan. Client – RDC
- Continued capital works tracking, asset planning and consent advice to the stormwater department at RDC. Client RDC
- Development of a countryside living stormwater code of practice (jointly with Aqua Terra International Ltd). Client – Auckland Regional Council (ARC) and associated local authorities
- Joint (with SouthernSkies Environmental Ltd) compilation of the Mahurangi Integrated Catchment Discussion Document. Client - ARC
- Construction and Maintenance costing of stormwater devices proposed for the Auckland Regional Botanic Gardens. Client – ARC
- Development of a “Life Cycle Costing Model” for stormwater management devices. Client – Landcare Research
- Specialist consent advice; stormwater and sediment control consent processing; network consent processing and management; assistance with CMPs; review of stormwater design guidelines, and joint running of the TP10 Stormwater Course with Aqua Terra International Ltd. Client – ARC
- Specialist ICMP advice and technical review – ARC Stormwater Action Team
- Development of and teaching a 2 day advanced stormwater training course for the NZTA Stormwater Standard across New Zealand (jointly with Aqua Terra International Ltd). Client – NZTA

- Development of and teaching a 1 day consent and compliance course for network operators (jointly with SouthernSkies Environmental Ltd). Client - NZWETA
- Development of and teaching a 2 day low impact design stormwater course (jointly with Aqua Terra International Ltd). Client – ARC; NZWETA
- Specialist stormwater and sediment control consent advice, and stormwater training. Client – Wood and Partners

## **AUCKLAND REGIONAL COUNCIL (ARC)**

### Stormwater Consents and Compliance Team Manager (May 2006 to December 2006)

As manager for the Stormwater Consents and Compliance Team at the ARC, I reviewed and signed off all stormwater consents and provide stormwater policy advice to my team, internal ARC staff and external stakeholders. I undertook a compliance review and developed a strategy for undertaking stormwater compliance within the region. In addition, I initiated the team's educational programme and have initiated a number of stormwater courses within the Council. Furthermore I have initiated an industry/stakeholder liaison group in order to allow for feedback on the ARC's consenting processes and to create a forum for discussion and education within the stormwater industry.

### Stormwater Technical Officer (June 2003 to April 2006)

The purposes of my role were to co-ordinate Integrated Catchment Management Plan (ICMP) development and undertake Institutional Capability assessments for the northern Auckland Region. I reviewed and rewrote the ICMP Funding Eligibility Guidelines, provided input into the appeals on Chapter 5 of the Proposed Auckland Regional Plan: Air Land and Water, and provided specialist advice to stormwater consents staff. I processed numerous notified and non-notified stormwater discharge consents, and wrote and co-ordinated the production of the ARC's stormwater fact sheets.

## **WEST THAMES COLLEGE** (London, United Kingdom)(March 2001 to December 2002)

### Resources Project Manager

I was involved in the follow-up of audit recommendations and had to ensure that the College's financial and best practice targets were being met throughout the various departments. In addition, I managed their European Social Funding (ESF) applications (total value >£3,000,000).

## **NINHAM SHAND CONSULTING ENGINEERS** (Cape Town, South Africa)(August 1998 – September 2000)

### Environmental Scientist

I compiled and wrote integrated catchment management plans for 3 major stream systems within the Western Cape, South Africa. In addition, I developed and delivered a training programme for construction workers, the purpose of which was to educate the workers on environmentally sensitive construction techniques. I also assisted with the development of a region-wide standard environmental management programme which consisted of conditions of contract to be inserted into all engineering contract documents in the Western Cape.

## Publications

Ira, S. J. T., Vesely, E-T., McDowell, C and Krausse, M. 2009. COSTnz – A Practical Life Cycle Costing Model for New Zealand. NZWWA Conference, Auckland.

Ira, S. J. T. and Buchanan, K. S. 2009. Using Life Cycle Costing as a Tool to Support a Development Contributions Policy. NZWWA Conference, Auckland.

Ira, S. J. T., Vesely, E-T., and Krausse, M. 2008. Life Cycle Costing of Stormwater Treatment Devices – A Practical Approach for New Zealand. 11<sup>th</sup> International Conference on Urban Drainage, Edinburgh, Scotland.

Ira, S. J. T., Vesely, E-T., and Krausse, M. 2007. Life Cycle Costing of Stormwater Treatment Devices – A Unit Costing Approach for New Zealand. NZWWA Journal (Issue 152).

Vesely, É-T., Arnold, G., Ira, S. and Krausse, M. 2006. Costing Stormwater devices in the Auckland Region. *Proceedings of the 2006 NZWWA Stormwater Conference, 4-5 May 2006, Rotorua, New Zealand.*

Ira, S J T, Puddephatt, J M, Timperley M, and Shaver, E. 2006. A Low Impact Design Solution to Zinc Contamination in Auckland's Estuaries and Harbours. *4<sup>th</sup> International Conference on Water Sensitive Urban Design, Melbourne, Australia.*

Shaver, E. and Ira, S.J.T. 2005. Integration of Low Impact Design into a Regional Stormwater Programme, Auckland, New Zealand. *10<sup>th</sup> International Conference on Urban Drainage, Copenhagen/ Denmark, 21-26 August 2005.*

Ira, S J T. 2001. Mapping Access Land in England. *Off-line.* Binnie Black and Veatch. Redhill. United Kingdom.

Ira, S.J.T, Reid, S.E., Spinks, A.C and Blaine, L.A. 2001. Environmental Management Programmes for Civil Engineering Construction Activities. *International Association for Impact Assessment.*

Tyson, S J and Luger, M K L. 2000. The Nooiensfontein Vlei Management Plan. *Project News.* Ninham Shand, Cape Town. South Africa.

Tyson, S J and Luger, M K L. 2000. Dredging of the Port Owen Marina. *Project News.* Ninham Shand, Cape Town. South Africa.

Tyson, S J and Luger, M K L. 1999. The Khayelitsha Wetlands. *Project News.* Ninham Shand, Cape Town. South Africa.

Tyson, S J and Luger, M K L. 1999. The Kuils River Metropolitan Open Space System. *Project News.* Ninham Shand, Cape Town. South Africa.