

**ROSEMARY SNOWDON**

SENIOR ENVIRONMENTAL CONSULTANT

**Background**

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Rosemary is an Environmental Scientist with 17 years' experience across both government and private sectors. Her main areas of expertise cover geographic information systems, Environmental Impact Assessment, water and soil quality analysis and reporting, report writing (Vegetation Management Plans, Compliance Reports, Annual Reports), inspection of construction works, asset management and data analysis. Rosemary's roles have had a strong focus on the spatial presentation of data, and she is proficient in MapInfo, ArcGIS and QGIS.

**Qualifications**

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**Master of Science, by research** - University of Sydney

**Graduate Diploma of Science (Environmental Science)** – University of Sydney

**Bachelor of Science** - University of Sydney

**Associate Auditor Environmental Management Systems**, Exemplar Global (formerly RABQSA).

**Expertise**

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- Water management, planning and policy
- Environmental & planning management during construction of major water related projects
- Flora assessment, Vegetation Management Plans and Assessment of Significance for development projects
- Spatial presentation of data relating to flora, water and soil quality
- Preparation of REFs for major projects
- Preparation of CEMPs
- Environmental inductions and training
- Water quality monitoring, reporting and auditing
- EMS and compliance auditing
- Environmental assessments
- Community consultation
- Stakeholder management

## Relevant Project Experience

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### **WolfPeak PTY LTD (2017 - current)**

Senior Environmental Consultant

(Sydney, NSW)

**Responsibilities** Preparation of Environmental Impact Assessment Reports, spatial presentation of data.

#### **Key achievements**

- Author of REFs for Transgrid low spans remediation works
- Stakeholder consultation for Transgrid low spans remediation works
- Spatial presentation of data for reports using QGIS

### **ANNE CLEMENTS AND ASSOCIATES PTY LTD (2013 - 2017)**

Environmental Scientist

(Sydney, NSW)

**Responsibilities** Preparation of vegetation management plans and scientific reports; spatially present flora, water quality and soil data; and undertake environmental fieldwork

#### **Key achievements**

- Project managed the flora requirements of a number of residential and industrial development projects
- Wrote Vegetation Plans of Management and Conservation Management Plans for several proposed developments
- Implemented Vegetation Plans of Management and Conservation Management Plans for approved developments
- Part of the team that successfully translocated the threatened species *Tetratheca juncea* into a conservation area
- Used MapInfo to Spatially present data for all reports.
- Trained all new staff members in MapInfo.

### **SYDNEY WATER CORPORATION (2007-2012)**

Environmental Scientist

(Sydney, NSW)

**Responsibilities** Preparation of major environmental impact assessment reports and REFs; managed consultants for environmental studies and reports; and analysed environmental data for EIAs

#### **Key achievements**

- Part of the team that prepared the *North West Growth Centre water related services for first release precincts* Environmental Assessment.
- Wrote REFs for the upgrade of STPs
- Generated maps using MapInfo used for Preliminary Environmental Assessments and EPBC referrals
- Further developed my sound knowledge of relevant NSW environmental legislation and environmental issues facing the water/sewerage industry through seminars and research

### **HORNSBY SHIRE COUNCIL (2004-2007)**

Environmental Scientist (Water Quality)

(Sydney, NSW)

**Responsibilities** Managed Council's water quality monitoring program; investigations into elements of Council's water catchment program; and data analysis and strategy preparation for protection of stream and estuarine habitats

#### **Key achievements**

- 2004-2005 & 2005-2006 Water Quality Annual reports - sole author, spatially presented data using MapInfo
- Implemented a shire-wide stormwater modelling program (using MUSIC and MapInfo) to predict the effectiveness of Council's stormwater treatment devices and to aid in determining locations for future stormwater works
- Redesigned the environmental water quality monitoring program, which improved the efficiency of the program.
- Regularly presented to University, TAFE and High School students on water and soil quality and stormwater treatment within the Hornsby Shire

## **HORNSBY SHIRE COUNCIL (2003-2004)**

Environmental Scientist (Catchment Remediation Officer)

(Sydney, NSW)

**Responsibilities** Undertook water quality monitoring and stream remediation works, review Stormwater Management Plans, and undertook education programs to promote stormwater treatment measures and catchment health

### **Key achievements**

- Acted as Catchment Remediation Manager
- Conducted a review of Hornsby Shire Council's Stormwater Management Plans (SMPs)
- Managed stormwater maintenance contractors from the tender evaluation stage through to payment of invoices
- Oversaw civil works for the construction of wetlands, sediment basins and gross pollutant trap installation

## **RMS (formally NSW Roads and Traffic Authority (2002)**

Environmental Officer

(Sydney, NSW)

**Responsibilities** Assessed REFs, reviewed CEMPS and developed the Stormwater Environmental Improvement Program

### **Key achievements**

- Assessed REFs (Review of Environmental Factors) for RMS construction proposals. This involved writing Decision Reports outlining Environmental Conditions of Approval for the project. I also reviewed CEMPs prior to the commencement of construction works and carried out site inspections during construction.
- Developed a sound knowledge of NSW environmental legislation through the review and determination of REFs for RMS road works

## **ANNE CLEMENTS AND ASSOCIATES PTY LTD (2000-2002)**

Environmental Officer

(Port Macquarie, NSW)

**Role** Environmental Officer for the Port Shores canal development in Port Macquarie

### **Key achievements**

- Onsite Environmental Officer for the construction of an environmentally sensitive residential canal development which involved 850,000 cubic metres of earthworks and 65,000 cubic metres of dredging
- Successfully ensured the environmental conditions of the contract were met
- Developed a strong rapport with Leighton contractors, thus aiding in the successful operation of the construction project
- Conducted a desktop audit of the contractor's environmental records and procedures. This involved reviewing the CEMP and determining whether works complied.
- Successfully liaised and negotiated outcomes with stakeholders including Oyster farmers, Hastings Council and Fisheries
- Identified and managed environmental issues on the development site e.g. specific acid sulfate soil issues and iron oxide issues.

## **PUBLICATIONS**

Snowdon, R and Birch, G.F. (2004). The nature and distribution of copper, lead and zinc in soils of a highly urbanised sub-catchment (Iron Cove) of Port Jackson, Sydney. Australian Journal of Soil Research, 42, 329-338.

Birch, G.F. and Snowdon, R.T. (2004) The use of size-normalised techniques in interpretation of soil contaminant distributions. Water, Air and Soil Pollution 157, 1-12.

Birch, G.F., Scollen, A., Snowdon, R. and Suh, J. (1999). Sources of Heavy Metals in Stormwater Draining into Port Jackson, Sydney, Australia. 8th International Conference on urban storm drainage, Sydney, Australia, 1999, 2202 - 2209.