



MEREDITH SPENCER
(BSC) ENVIRONMENTAL MANAGEMENT

Meredith has extensive experience working in natural resource management, primarily in flora conservation in the South West and South Coast regions. She has managed threatened flora and ecological communities' recovery programs, including planning and implementation of recovery actions for critically endangered flora and threatened ecological communities. Meredith has undertaken numerous threatened flora surveys and ecological monitoring programs and has experience implementing River Action Plans.

Meredith has an excellent understanding of South West and South Coast flora and communities and potential threatening processes together with management techniques. She has provided advice regarding rehabilitation and mitigation of threatening processes to State and local Government, land managers and individuals.

Meredith has authored Interim Recovery Plans, Translocation Proposals, Weed and Disease Hygiene Management Plans, Environmental Management Plans and Compliance documents. She has also co-authored a paper published with the Journal of the Royal Society of Western Australia relating to research undertaken on critically endangered flora (*Eucalyptus phylacis*).

In addition, Meredith has GIS spatial interpretation and mapping expertise that enable in house GIS services for quality project management. Meredith is also accredited in fauna management and has assisted in numerous fauna monitoring programs and wildlife conservation activities.

TERTIARY QUALIFICATIONS

Bachelor of Science (Environmental Management)
Edith Cowan University

Postgraduate Diploma in Environmental Assessment and Management (currently studying)
Murdoch University

OTHER QUALIFICATIONS

- ARCGIS Desktop III: Esri Australia
- Workflows and Analysis (2012) Esri Australia
- ARCGIS Desktop II: Esri Australia
- Tools and Functionality (2010) Esri Australia
- River Restoration Techniques (2006) Department of Water
- Field Officer Graduate (2001) Dept. Conservation & Land Management

PROFESSIONAL EXPERIENCE

Great Southern Bio Logic
Environmental Consultant
July 2010 to date

Key accountabilities:

- Geographic Information Systems including spatial interpretation and mapping (ArcGIS)
- Management Plans
- Technical review
- Project management



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Key projects

Southdown Joint Venture
Weed Distribution Assessment for the Proposed Southdown JV Mine Site, Desalination and Slurry Pipeline Alignments
Weed survey and monitoring, GIS mapping, Weed Management Strategies.

South Coast NRM Inc
Phytophthora Dieback Risk Assessment of Prioritised Remnant Vegetation in the Esperance Region
GIS management for prioritisation analysis, field and report mapping, Technical review

Western Power
Phytophthora cinnamomi assessment of Western Power's Proposed alignment between Muja and Wellstead
GIS management for field and report mapping, Technical review

Department of Environment and Conservation (DEC)
(formerly Dept Conservation and Land Management)
Project Officer/Conservation Officer
2006 to 2012 (part time)
and 1999 to 2003

Key accountabilities:

Report preparation:

- Interim Recovery Plans and IRP Review
- Translocation Proposals,
- Strategic Weed Management Plans
- Weed Eradication and Control Plans
- Weed and Disease Hygiene Management Plans
- Environmental Management Plans
- Compliance and other legislative documentation including threatened species permits

Threatened Species management:

- Survey (species/community distribution, health, habitat)
- Monitoring (species/ecosystem)
- Research and analysis (data evaluation, experimental design and implementation for species recovery)
- Implementation of Interim Recovery Plans (recovery actions to mitigate threatening processes including weeds, dieback, grazing, fire management)
- Translocations (seed collection, site preparation, plantings and monitoring of threatened flora/communities)

Geographic Information System management including spatial interpretation and mapping (ArcGIS)



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Development of educational training presentations for community, industry and agencies

Key projects

Fitzgerald River National Park Improvement Project - Environment Officer - Environmental Management Plans and Compliance documents relating to the construction of proposed coastal walk trails, GIS digitization of vegetation communities, flora survey, Dieback Management analysis

DEC South Coast Green Card Induction
Developed and reviewed the DEC Green Card Environmental Accreditation Program for all industry, agency and individuals working in DEC South Coast region

Albany Regional Vegetation Survey
GIS support, condition assessment and bibliography support

Stirling Range Montane Heath & Thicket Seed & Translocation Project - Project officer responsible for collection of remote and difficult to collect seed from critically endangered flora. Establishment and monitoring of flora translocations

South Coast Threatened Flora Management
Relief and assistance to DEC Flora Conservation Officer including liaison and advice to Local and State agencies

Stirling Range Montane Heath & Thicket Recovery Plan Review including financial appraisal

South West (Blackwood district) Flora Conservation Officer - Management of threatened flora and ecological communities' recovery programs, including planning and implementation of recovery actions for critically endangered flora and threatened ecological communities.

PUBLICATIONS

Robinson, R.M. & Spencer M. (2004). Coppice treatment gives hope to rare and endangered mallee eucalypt in the south-west of Western Australia. *Journal of the Royal Society of Western Australia*. 87:109-114.