

### PROFESSIONAL PROFILE

Melanie White is a Senior Advisor to Phoenix Environmental Sciences. Melanie has worked in the environmental industry in various research, academia, government and consulting roles. She has significant expertise in rangeland and salt lake ecology, innovative and practical research programs, data management and establishing business systems and processes.

Her experience spans teaching and research positions at Curtin University, technical positions at Agriculture WA (Chemical Services) and the Water and Rivers Commission (Rivers and Estuaries Branch) and General Manager and Director of Outback Ecology, which Melanie co-founded in 1994. She also works as a business development consultant for several companies across Australia.

Melanie works with Phoenix's management team, facilitating efficiency and effectiveness in business systems, risk management, and providing quality assurance and peer review at all levels of the business. She also conducts editorial reviews for project-related documents.



### QUALIFICATIONS

Bachelor of Science (Honours) (Biology), Curtin University

### EMPLOYMENT HISTORY

2008 – present	Senior Advisor, Phoenix Environmental Sciences
1994 – 2007	Director and General Manager, Outback Ecology
1994 – 1997	Research Assistant, Tutor, Lecturer and Laboratory Demonstrator, Curtin University
1996 - 1997	Database Administrator (Casual), Water and Rivers Commission
1994	Database Administrator (Casual), Agriculture WA

### TECHNICAL EXPERTISE

- Wetland ecology
- Aquatic macro-invertebrate, water and sediment quality monitoring
- Ecosystem Function Analysis (EFA) and co-developer of its offshoot, Rehab Classification (RC)
- Systems development and review
- Quality assurance and continuous improvement

### SELECTED PROJECT EXPERIENCE

- Prepared Golden Gecko submission for *Idiosoma nigrum* monitoring, Crosslands Resources, 2010 (Midwest)
- Stygofauna survey at West Angelas mine for Rio Tinto, 2007 (Pilbara)
- Stygofauna surveys for various BHP Pilbara mines, 2007 (Pilbara)
- Stygofauna pilot survey and Wetland Ecology Surveys at Lake Maitland for Mega Uranium, 2007 (Goldfields)
- Project coordinator for wetland, rehabilitation and fauna studies and assisted with PER at Spinifex Ridge for Moly Mines, 2005 – 2007 (Pilbara)
- Developed/managed wetland monitoring at Yarra Yarra Lakes for Three Springs Talc, Rio Tinto 1999 – 2007 (Midwest)
- Developed/managed wetland monitoring at Lake Carey for Placer Dome, St Barbara, AngloGold Ashanti, Sons of Gwalia and Saracen Holdings, 1998 – 2007 (Goldfields)

- Co-Developed a Salt Lake Classification System for WA including Mid-West Lakes, MERIWA project, 2005 – 2007 (Goldfields)
- EFA establishment and/or monitoring at mines across WA including Agnew, Boddington, Bronzewing, Carosue Dam, Darlot, Granny Smith, Higginsville, Jundee, Lawlers, Marvel Loch, Mt Morgans, Paddington, Plutonic, Sunrise Dam, Southern Cross, Telfer and Wiluna Mines, 1999 – 2007 (Goldfields)
- Coordinated EFA training courses in Kalgoorlie, 1999 – 2005 (Goldfields)
- Arsenic Dust Monitoring at Lawlers Gold Mine, Barrick Gold, 1997 – 2000 (Goldfields)
- Rehabilitation Monitoring at Plutonic Gold Mine, Barrick Gold, 1997 – 1999 (Goldfields)
- Rehabilitation and Tailing Storage Facility (TSF) Monitoring at Peak Hill Gold Mine, 1994 – 2000 (Goldfields)
- TSF revegetation trials, Haveluck Gold Mine, Dominion Mining, 1994 – 1999 (Goldfields)