

Environmental Management Skills and Experience

- Field survey and pre-construction management plan production for Exxon Mobil (through Coffey Natural Systems Pty Ltd) as part of the PNG LNG development, in the Southern Highlands and Gulf Provinces. Duties included - remote field survey work documenting IUCN and CITES listed plants, ecosystem types and variations, identification and prioritisation of weed species, identification and sampling of Phytophthora die back patches, identification of animal habitat sites, structural environmental features (dolines, caves, watercourses), and large tree (<1m dbh) species recording and analysis.
- Experience in field mapping, data processing, and presentation of Ergon Environmental Management Plans over Northern, central and southern Queensland for; Various locations in the Wet Tropics Bioregion, Liefway Nature reserve (Mt Fox - northern), Carnarvon Gorge (central), Conway(central), Currawinya (south-west), Dryander(central), Goodliffe(central), and Mt Moffat (central) National Parks. Including the central Queensland State Forests Bandana, Cathu, Serocold and Squire.
- Experience in field mapping for decommissioning and restoration of Powerlink corridors Kareeya – Innisfail 132kV, Tully – Ingham 275kV, CREB Track 22kV, Woree – Turkinjie 132kV and Ingham – Yabulu 275kV lines
- Experience in field mapping, data processing, and presentation of Powerlink Queensland Environmental Work Plans in the Wet Tropics region for the Tully Ingham 132kV, Kareeya – Innisfail 132kV and Spring Mount – Woree 132kV.
- Botanical and ecological survey across Cape York Peninsula for Dept of Transport and Main Roads examining potential dam sites, lay-down areas, quarry sites, road deviations and bridge sites.
- Experience in implementation of Environmental Management plans relevant to heavy industry. National Pollution Inventory reporting and calculation. Calculation, reporting and analysis of carbon emissions and recommendation of appropriate offsetting strategies. Development of Environmental compliance sampling procedures based on Environmental Authorities and ISO/AS standards. Design and conduct environmental investigations. Experience in management of small mine site environmental department.
- Experience in collection of various sample types in accordance with ISO/AS and relevant guidelines for compliance and investigations. Experience in interpretation and data analysis of water quality, soil, sediment results.
- Solid knowledge base of tropical Australian ecosystems from rainforests to savanna, including ecological work in Papua New Guinean Highlands.



- Design and presentation of departmental budgets, sample collection procedures, and environmental awareness inductions (Wet Tropics Contractor Induction, Mine Site specific).

Education and Employment

Education

- **Bachelor of Science (Ecology)** 2002-2004
 - James Cook University, Cairns

Employment

- **Environmental Scientist** 09/2007 - current
 Biotropica Australia Pty Ltd
 Tarzali, Atherton Tablelands, Queensland
- **Environmental Officer** 01/2005 - 08/2007
 Kagara Zinc Limited
 MT Garnet, Chillagoe, Charters Towers, Balcooma Deposit
 - Standardised compliance monitoring with ISO Standards
 - Implemented Auditable compliance reporting
 - Initiated Rehabilitation of 50 ha waste rock dumps
 - Implement and managed Environmental Management Plans
 - Involved in Tailings Facility Decommission Planning

Additional Competencies

- Queensland Drivers Licence Class C
- Senior First Aid Certificate
- Advanced CPR Certificate



- Chainsaw Licence Level 1
- Cultural Heritage Management Training (Ergon)
- Electrical Awareness for Safe Working Near Exposed Parts Training (Ergon)
- EECL Generic Contractor Induction (Ergon)
- 30215 QLD General Safety Induction (Construction Industry)
- S1, S2, S3 Risk Analysis and Management Training

Recent Projects

- **Client:** Coffey Natural Systems

Project: Ecological Surveys

Early works ecology, weed and die back (phytophthora) mapping surveys of more than 100 sites for the Papua New Guinea Liquid Natural Gas Project.

- **Client:** Ergon and Powerlink

Project: Environmental Management Plans

Field data collection, GIS mapping, and editing of Environmental Management Plans for the maintenance of electrical infrastructure across Queensland

- **Client:** Ergon and Powerlink

Project: Wet Tropics Contractor Inductions

Presentation of World Heritage Values, issues, legislation codes of practice and Environmental Management Plans to contractors

- **Client:** Powerlink

Project: Prepare Kareeya – Tully decommissioning plan

Ecological field data collection, selection of maintenance schemes to promote corridor regeneration using existing species by selective maintenance.



- **Client:** Powerlink

Project: Prepare Decommissioning Plans for Kareeya Innisfail and Woree Turkinjie 132kV corridors

Ecological field data collection, selection of rehabilitation schemes (including plants of tube stock) to decommission an active corridor.

- **Client:** RioTino Alcan

Project: Rehabilitation Survey

Botanical survey of restoration plots in Weipa Alumina operations.

- **Client:** Stanwell Corporation Limited

Project: Land Management Plans

Three - Five year ecosystem level management for Kings Ranch (Tully-Wet Tropics), Barron Gorge Powerstation (Cairns – Wet Tropics) and Kareeya Powerstation (Tully – Wet Tropics)

- **Client:** Xtrata

Project: Ecological studies review, Preliminary Rehabilitation Plan

Proved technical advice on ecological findings and decommissioning of site facilities.

Referees

- **Steven Jones**

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