



david fell environmental

FLORA & ECOLOGY CONSULTANTS

projects summary July 2013

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Torres Strait Region

Consultant - Torres Strait Regional Authority – Land and Sea Management Unit (2007-ongoing)

As principal botanist conducted flora survey for vegetation mapping survey over all islands of Torres Strait at 1: 25 000 scale.

Development of biodiversity management reports across 12 islands in the Torres Strait. Working closely with Land and Sea Rangers to identify biodiversity values and issues.

Sub Consultant – Arafura Consulting

Pulu Indigenous Protected Area (IPA) Project (Torres Strait, 2008-2009) – Vegetation and ethnobotanical surveys and community consultations with the Goemulgal (Mabuyag people) for compilation of the Plan of Management and declaration of the Pulu IPA. Relevant TEK was documented and incorporated into the community's five-year Plan of Management.

Waral Kawa Indigenous Protected Area (IPA) Project (Torres Strait, 2011-2012) – Vegetation and ethnobotanical surveys and community consultations for compilation of the Plan of Management for the Waral Kawa IPA. Relevant TEK was documented and incorporated into the community's five-year Plan of Management.

Warrabagal Indigenous Protected Area (IPA) Project (Torres Strait, 2011-2012) – Vegetation and botanical surveys toward compilation of the Plan of Management and declaration of the IPA in the central island group.

Cape York Bioregion Experience

Consultant – RioTinto Alcan Weipa

Deriving Cultural Values project (2012 – current) - A project to document cultural and natural values and significance of the Traditional Owners within the RioTinto Alcan lease, Weipa district, western Cape York Peninsula. The team worked closely with traditional owners to document traditional ecological knowledge, use and management issues of the lands within the RTA mining lease. The project involved recording of significant flora and fauna documented in multimedia format.

Greater Lockerbie Scrub Cultural and Biodiversity Values Project (2010) - Managed a Caring for our Country funded project to document cultural and natural values and significance of the Lockerbie Scrub with Gudang Traditional Owners. The multidisciplinary team worked closely with traditional owners to document traditional knowledge, use and management issues of the Lockerbie Scrub. The project involved TEK recording of flora and fauna documented in multimedia format.

Technical Officer, Queensland Environment Protection Agency, Far Northern Region, Cairns (1991-1995)

Planned, implemented and reported all aspects of a systematic floristic survey of rainforest vegetation of Cape York Peninsula between 1990-1995 including provision of majority of rainforest site data into Corveg data base and contribution of over 2000 botanical vouchers to Qld Herbarium incorporation a number of undescribed taxa and distribution extension records.

Ranger, Queensland Environment Protection Agency Far Northern Region, Weipa (1990)

Assisted in the implementation of the estuarine crocodile research program inclusive of Aboriginal Ranger training, and liaison with Comalco on nature conservation issues and mine site rehabilitation.

Ranger, Queensland Environment Protection Agency Far Northern Region, Coen (1990)

Relief Ranger for far northern Cape York National Parks (Jardine NP, Mungkan-Kaanju NP, Iron Range NP), with duties including boundary surveying, surveillance, community liaison and natural resource surveys.

Consultant - Lockhart River Land & Sea Management Agency/University of Queensland

Flora survey and data analysis for Lockhart River Aboriginal Land and Sea Management Centre Outstation Management Planning, NE Cape York Peninsula.

Consultant - Balkanu Cape York Development. Corporation Cairns, Qld

Developed Indigenous participation and perceptions of fire management in the Princess Charlotte Bay region of south- eastern Cape York Peninsula (Kuku Thaypan, Lama Lama, Olkolo).

Consultant - Cape York Land Council, Cairns, Qld

Provision of specialist advice on nature conservation values and land management issues relevant to Native Title claims in Cape York Peninsula namely Wuthathi (Shelbourne Bay) and Lama Lama, Uutangulu, Southern Kaanju and Aayapathu (Silver Plains) identified values and issues with traditional owner groups.

Consultant - Sinclair Knight Merz Ltd, Cairns

Ecological assessment of a proposed borrow pit development for the Kendall River-Port Stewart turnoff project Peninsula development Road Cape York;

Vegetation assessment of the Hopevale water supply project, involving a description of vegetation communities, an assessment of conservation values, and identification of rare and threatened flora species and their habitats across four alternate route options;

Ecological assessment of Starcke Pastoral Holding involving a description of vegetation communities, an assessment of conservation values, and identification of rare and threatened flora species and their habitats;
Vegetation Assessment of proposed Herbert River Dam Project.

Consultant - Queensland Department of Primary Industries

Natural resource and land management assistance to traditional landowners on Mount Baird Holding (Binthi Warra Group) via Hopevale, Cape York Peninsula within Property Management Planning workshop series.

Consultant - Enesar Consulting Pty Ltd

Terrestrial Flora Assessment, Environmental Impact Assessment Gove Lateral Section of PNG Queensland Natural Gas Pipeline (2006);

Detailed ground truthing ecological assessment of Cape York to Coen section of the proposed Papua New Guinea - Queensland Natural Gas Pipeline, including the Weipa/Gove lateral section, to determine the distribution of significant vegetation communities and rare and threatened flora species (2006).

Consultant - Cape York Land Council, Cairns, Qld

Field survey of vegetation and detailed assessment of conservation values along a 900 km route of the proposed PNG-Gladstone Natural Gas Pipeline between the tip of Cape York and the Palmer River. Identified sensitive vegetation types, rare and threatened plant species, and natural resource management issues (1996).

North Queensland Experience

Sub-consultant – Biodiversity Assessment and Management P/L

Copperstring EIS. Provided detailed floristic survey and analysis involving ground truthing for vegetation mapping of the proposed Copperstring power line development between Townsville and Mt Isa. (2010-2011).

Sub-consultant – Biodiversity Assessment and Management P/L

Ella Bay Integrated Resort EIS. Provided detailed floristic survey and analysis involving ground truthing of 1:10 000 scale vegetation mapping of the proposed resort development site including detailed analysis of vegetation significance and installation of long term monitoring plots. 2008-2009.

Sub-consultant – Biodiversity Assessment and Management P/L

Ella Bay Integrated Resort EIS. Provided detailed floristic survey and analysis involving ground truthing of 1:10 000 scale vegetation mapping of the proposed resort development site including detailed analysis of vegetation significance and installation of long term monitoring plots. 2008-2009.

Consultant - Chevron Asiatic Pty Ltd, Brisbane

Vegetation survey and assessment within Stage 2 - Townsville to Gladstone development area of the proposed Papua New Guinea to Gladstone Natural Gas Pipeline, to determine the distribution of significant vegetation communities and rare and threatened flora species (1998).

Consultant - Atherton Shire Landcare Association

Evaluated a five-year community driven riparian rehabilitation project funded by National Landcare on Priors Creek, Atherton.

Consultant - Sinclair Knight Merz Ltd, Cairns

Vegetation assessment of the proposed upper Herbert River Dam scheme, involving a description of vegetation communities, an assessment of conservation values, and identification of rare and threatened flora species and their habitats;

Vegetation and weed assessment as part of Resource Assessment Study and Environmental Management Plan for the Department of Defence, North Queensland Field Force Battle School, Tully, Environmental Management Project.

Consultant - CSIRO Division of Wildlife and Ecology, Darwin

Detailed flora surveys across 70 - one-hectare plots as part of baseline monitoring for the long-term effects of sulphur dioxide on biodiversity at Mt Isa, Queensland.

Consultant - Atherton Shire Council, Atherton

Prepared a detailed Environmental Audit as part of the local government planning scheme review.

Research Ranger, Queensland Environment Protection Agency

Monitoring of rainforest vegetation plots under the Skyrail tower sites, as part of an ongoing impact and rehabilitation assessment of the Skyrail development on the Kuranda Range;

Rare and Threatened Plant species assessment of proposed walking track extensions in the Barron Gorge National Park and provided training for Djabaguy Aboriginal Rangers in the field identification of rainforest trees;

Flora survey and Rare and Threatened Plant species assessment along a proposed walking track development in World Heritage listed rainforests of the Lake Eacham section of Crater Lakes National Park;

Conducted vegetation surveys and assessments for National Park proposals in the Gulf Plains, Einasleigh Uplands, northern Brigalow Belt and southern Wet Tropics bioregions;

Prepared a walking track management plan for Thorseborne Track, Hinchinbrook Island National Park including assessment of threatened flora and impacts.

Central Queensland Experience

Consultant-Queensland Water Infrastructure P/L

Terrestrial Flora Survey of proposed Connors River Dam and associated water pipeline options. Provided detailed floristic survey and analysis involving ground truthing of 1:10 000 scale vegetation mapping of the proposed inundation area including detailed analysis of vegetation significance. September 2007-Ongoing.

Sub Consultant – Ecoserve Ecological Consultants

Habitat assessment of regrowth and remnant Brigalow vegetation in the Bowen Basin as part of ACARP project to determine habitat parameters of the Vulnerable listed Ornamented Snake.

Biodiversity Assessment of Hail Creek Mining Lease.

Sub Consultant – Rob Friend and Associates for Commonwealth Department of Environment

Ecological Assessment of Endangered Bluegrass communities, Kurrajong Station via Clermont, Qld;

Sub Consultant - Woodward/Clyde Pty Ltd, Brisbane

Detailed vegetation survey and 1:25,000 mapping of the RZM Bayfield Mineral Sands lease area, near Byfield, Central Queensland.

Research Ranger-QNPWS

Detailed inventory surveys of rainforest vegetation of the Mackay region incorporating floristic surveys of Eungella Range, Conway Range, Mackay Lowlands, and Cape Hillsborough.

Consultant - Chevron Asiatic Pty Ltd, Brisbane

Vegetation survey and assessment within Stage 2 - Townsville to Gladstone development area of the proposed Papua New Guinea to Gladstone Natural Gas Pipeline, to determine the distribution of significant vegetation communities and rare and threatened flora species (1998).

Southern Queensland Experience

Consultant – Coffey Natural Systems

Terrestrial Flora Assessment, Curtis Island LNG. Preliminary ground truthing and ecological assessment of proposed LNG processing site, Curtis Island (2009).

Consultant-Queensland Water Infrastructure P/L

Terrestrial Flora Survey of proposed Traveston Crossing Dam. Provided detailed floristic survey and analysis involving ground truthing of 1:10 000 scale vegetation mapping of the proposed inundation area including detailed analysis of vegetation significance. September 2006-Ongoing.

Sub-consultant - BAAM P/L

Wyaralong Dam EIS. Provided detailed floristic survey and analysis involving ground truthing of 1:10 000 scale vegetation mapping of the proposed inundation area including detailed analysis of vegetation significance. November 2006 to March 2007.

Sub-Consultant-BAMM P/L for Stanthorpe Shire Council

Emu Swamp Dam EIS. Provided detailed floristic survey and analysis involving ground truthing of 1:10 000 scale vegetation mapping of the proposed inundation area including detailed analysis of vegetation significance. November 2006 to March 2007.

Consultant - Brisbane City Council

Contract Ecologist providing specialist advice and assessment of development applications in Brisbane South Region.

Consultant - University of Queensland

Flora survey and data analysis of Nothofagus rainforest vegetation, Lamington National Park.

Sub Consultant - Rob Friend & Associates Pty Ltd

Principal Botanist - Vegetation Mapping and Survey at 1: 25,000 of the Caboolture Shire;

Ecological assessment of proposed Judith St Development, Crestmead, SE Qld;

Provision of botanical identifications as part of species and vegetation mapping Miaro Holdings, Miaro via Bundaberg, Qld;

Provision of botanical identifications as part of Caboolture River Riparian Project, Qld.

Queensland Wide Experience

Land Management Project Advisor - Commonwealth Indigenous Land Corporation 1999- 2003

Project managed all aspects of ILC owned land throughout Queensland including infrastructure development, natural resource management, and livestock management;

Liaised with Indigenous organisations having a land management function or portfolio and with landowners, relevant public agencies on Indigenous land management needs; and

Conducted research and assessment of Indigenous land management needs in Queensland, New South Wales and the Torres Strait Islands and developed and implemented solutions to complex land management problems.

New South Wales Experience

Senior Botanist- ASPECT north Pty Ltd

Threatened flora survey and Vegetation Restoration Plan, McLean's Ridges, PacRidge Rural Residential Rezoning Proposal via Lismore;

Threatened Flora Survey and Management Plan, Chumbee Ave, Ocean Shores;

Vegetation Restoration Plan, Littoral Rainforest, Broken Head Resort Development Proposal;

Vegetation Survey, Hardy Holding Rezoning Proposal, Grafton District;

Environmental Constraints Analysis, Proposed Industrial Rezoning, South Murwillumbah;

Vegetation Survey, Ballina Waterways Development Proposal, West Ballina;

Vegetation Survey, Watpac Development Proposal, West Ballina;

Historical Vegetation Disturbance Analysis, Leda Developments, Kings Forest, Cudgen;

Vegetation Survey and constraints analysis of Carson's Property, Brooms Head Road via Maclean;

Vegetation Survey and 1:10 000 mapping of proposed Sand Quarry extension, South Ballina;

Vegetation Rehabilitation Plan for DA consent, Flicks, Ewingsdale.

Consultant - Brunswick Valley Landcare Inc.

Restoration Action Plan for High Conservation Value Vegetation Project Middle Mullumbimby Ck, NSW;

Riparian Management Plan for Lower Mullumbimby Creek, NSW;

Natural Resource Management Plan for Upper Marshall's Creek, The Pocket, NSW.

Consultant - Wilsons Creek-Huonbrook Landcare Group Inc.

Restoration Action Plans and Monitoring for Eight High Conservation Value Vegetation Projects Upper Wilson's Creek, NSW.

Consultant - Clarence Valley Council

Threatened flora assessment of road realignments, Armidale Road, Dundurrabin.

Consultant - Byron Shire Council

Assessment of compensatory wetland options as part of Byron Bay Town Centre Bypass Project.

Sub Consultant - Land and Marine Strategies Pty. Ltd.

Flora survey and threatened species clearance as part of Pinus elliottii eradication project, Mt Neville Nature Reserve, Whiporie, NSW;

Flora Survey and Vegetation Mapping of Council Owned Land, Woolli Peninsula.

Sub consultant - Rob Friend & Associates Pty Ltd

Review of the status of Nowra Tea Tree (Leptospermum sejunctum) in relation to proposed Church of Christ Retirement Complex, Nowra NSW.

Consultant-Byron Bay Scaffolds

Landscape Plan incorporating buffer planting for Development Application.

Seasonal Ranger, NSW National Parks & Wildlife Service, Lismore District

Providing visitor interpretation within National Parks – Border Ranges, Nightcap, Broadwater, Bundjalung & Victoria Pk NR.

Western Australian Experience

Technical Officer - Western Australian Dept of Agriculture, Rangeland Management Branch, Derby

Implemented field trials and broad scale land rehabilitation works on degraded rangelands of the Fitzroy River floodplain, Kimberley Region.

Research Technician- University of Western Australia, Botany Dept, Perth.

Provided field based research and trials in association with Alcoa Australia on the reproductive biology of seeds of understorey species in post mined Jarrah forests in south-western Australia.

Northern Territory Experience

Detailed ground truthing ecological assessment of Gove Peninsula section of the proposed Papua New Guinea - Queensland Natural Gas Pipeline to determine the distribution of significant vegetation communities and rare and threatened flora species (2006) (sub contracted to Enesar P/L);

Terrestrial Flora Assessment, Environmental Impact Assessment Gove Lateral Section of PNG Queensland Natural Gas Pipeline (2006) (sub contracted to Natural Solutions P/L).

Papua New Guinea Experience

Habitat mapping and ethnobotanical survey of Lassul Bay, East New Britain. Consultant to Coffey Natural Systems. (2010-2011) (sub contracted to Coffey Environments);

Ground truthing flora survey of 14 km road realignment in southern highlands province.

Environmental Impact Assessment and detailed ecological assessment of the proposed Marengo development in Madang Province, Papua New Guinea to determine the distribution of significant vegetation communities and rare and threatened flora species (2011-12) (sub contracted to Coffey Environments).

