

CURRICULUM VITAE

PERSONAL DETAILS

Name: Dr James Nicholas Dunlop

Date of Birth: 8th of February 1956

Citizenship: Australian

ACADEMIC RECORD

1979–1986: Doctoral Thesis (part time)
Murdoch University, Murdoch Western Australia
Research into behavioural ecology of seabirds

1978: First Class Honours (Biology)
Murdoch University, Murdoch, Western Australia

1975–1977: Bachelor of Environmental Science
Murdoch University, Murdoch, Western Australia

1974: Undergraduate Studies
University of Western Australia, Crawley, Western Australia
Completed Zoology 10, Botany 10, Geography 10 and English 10.

1973: Leaving and Matriculation
Wesley College, South Perth, Western Australia

EMPLOYMENT HISTORY

2000 – present: **Conservation Council of Western Australia**
Sustainable Fisheries Liaison Officer

The SFLO provides a consolidated response and engagement from the conservation sector on all issues related to the policy and operations of the Department of Fisheries, including commercial, recreational and indigenous fishing, aquaculture, marine tourism, research and conservation.

1994-2000: **Astron Environmental**
Senior Ecologist and Environmental Scientist
Perth Office, Western Australia

Current projects include seabird monitoring at NW Shelf offshore facilities, biological surveys in the Pilbara, Murchison and Great Southern Regions and the preparation and assessment of Notices of Intent for mining and petroleum projects.

1994-2000: Curtin Consulting Services

Biological surveys of mining prospects in the eastern Goldfields

1994-2000: Teaching

Developed courses in habitat management and coastal rehabilitation techniques with South Metropolitan TAFE, lectures and field courses in vertebrate biology at Curtin University and in Field methods at Notre Dame University.

1990-1994: Department of Minerals and Energy

Environmental and Rehabilitation Officer

Karratha, Western Australia

Duties included environmental assessment of mining proposals, the inspection of mining tenements to monitor compliance with environmental conditions and the provision of advice on rehabilitation and management techniques. Responsible for the Kimberley and North East Pilbara mineral fields.

1989-1990: Mulga Research Centre

Research Programme Coordinator

Curtin University of Technology, Bentley, Western Australia

Major function was to co-ordinate the Centre's research/consultancy work in arid zone ecology and mined-land rehabilitation.

1989: Department of Mines

Temporary Environment Officer

Perth, Western Australia

Primary responsibilities were the assessment of Notices of Intent, setting environmental conditions on mining tenements and the development of rehabilitation guidelines.

1988-1989: Chevron Exploration Corporation

Environmental Co-ordinator

Mt Wilkinson Gold Project, Western Australia

Responsibilities included mine rehabilitation, environmental control, monitoring, government liaison and environmental auditing. Also Project Ventilation Officer.

1986-1988: J.N. Dunlop & Associates

Consulting Biologist

Perth, Western Australia

Undertaking contracts with Mt Newman Mining Ltd, Main Roads Department, TIO2 Corporation NL, Australian National Parks and Wildlife Service, Water Authority of WA and the Department of Conservation and Land Management.

1984-1986: Phosphate Mining Company of Christmas Island

Conservation Officer

Christmas Island, Indian Ocean

Duties included planning and implementation of mine rehabilitation programme, conducting wildlife surveys associated with mining proposals, assisting in mine planning, public relations and liaison with government agencies.

1982-1984: Mulga Research Centre

Graduate Assistant

Curtin University of Technology, Bentley, Western Australia

Responsibilities were to co-ordinate all projects conducted by the research centre, undertake studies into the biology of arid zone vegetation and ecosystems, participate in the teaching of third year biology students and the supervision of post graduates within the Department.

1982: Western Australian Museum and Main Roads Department

Contract Biologist

Perth, Western Australia

Contracts for the Western Australian Museum and the Main Roads Department. Laboratory demonstrator at Murdoch University

1979-1981: Integrated Environmental Services

Ecologist and Senior Technical Officer

Perth, Western Australia

Carried out two long term and several minor ecological studies in proposed and operating mine areas in the Pilbara. Studies involved biological surveys, rehabilitation studies and ecological monitoring investigations in both terrestrial and marine systems.

HONORARY POSITIONS

1999-2000 member Metropolitan Regional Assessment Panel (Natural Heritage Trust)

1999-2000 member of the technical assessment panel Coasts & Clean Seas (Natural Heritage Trust)

1999-present member of the Marine Conservation Strategy Group

1999-2001. Member of management committee of the Rockingham Regional Environment Centre.

1998- 2002. Chair, Australian Marine Conservation Society (WA Branch).

1996-2001. Member, City of Rockingham's Conservation Reserves and Foreshores Management Advisory Committee.

1996-1998: President, Friends of the Shoalwater Islands Marine Park.

1995- present: Adjunct Senior Research Fellow, School of Environmental Biology, Curtin University of Technology

1995- present: Adjunct Lecturer, School of Environmental and Life Sciences, Murdoch University

1991-1993: President, Nickol Bay Naturalists' Club

1988-1990: Member of the Shoalwater Islands Advisory Committee

1987-1989: Sub-editor of *The Emu* (Australia's major ornithological journal)

1982-1984: Natural history advisory to the Rottnest Island Board – Rottnest Museum

PROFESSIONAL ASSOCIATIONS

Australian Bird Study Association
Colonial Waterbird Society
Birds Australia
Southern Oceans Seabird Study Association
African Seabird Group
Australian Marine Conservation Society
Western Australian Naturalists' Club
Ecotourism Association of Australia
Christmas Island Tourism Association

LICENCES

“A” Class Drivers Licence

“A” Class Bird-bander and Bat-bander
Australian Bird and Bat Banding Schemes
Environment Australia

Mining and Resource Contractors Safety and Training Association

General Induction No. 36307

REFEREES

Associate Professor R.D. Wooller
Biological Sciences,
Murdoch University
MURDOCH WA 6150
Ph: 93602250

Dr Iva Stejskal
Environmental Manager
Apache Energy
256 St Georges Terrace
PERTH 6000
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Mr Colin Chalmers
Manager- Fish & Fish Habitat Protection Program
Fisheries WA
3rd Floor SGIO Atrium
168 St Georges Terrace
PERTH 6000
Ph: 94827318

Publications - Dr James Nicholas Dunlop

Scientific papers (refereed contributions)

Dunlop, J.N.(1979). The occurrence of breeding Roseate Terns *Sterna dougalli* at Lancelin Island, Western Australia. *West Australian Naturalist*.**14**, 118-119.

Wooller, R.D. & J.N.Dunlop (1979). Multiple laying in the Silver Gull *Larus novaehollandiae* Stephens on Carnac Island, Western Australia. *Australian Wildlife Research* **6**, 325-335.

Wooller, R.D. & J.N. Dunlop (1980). The use of simple measurements to determine the age of Silver Gull eggs. *Australian Wildlife Research* **7**, 113-115.

Wooller, R.D. & J.N. Dunlop (1981). Annual variation in clutch and egg sizes in the Silver Gull *Larus novaehollandiae*. *Australian Wildlife Research* **8**, 431-433.

Wooller, R.D. & J.N.Dunlop (1981). The use of external measurements to determine sex in a population of Silver Gulls. *Australian Wildlife Research* **8**, 679.

Wooller, R.D. & J.N. Dunlop (1981). Itinerant breeding in Pied Cormorants on Carnac Island, Western Australia. *Corella* **5**, 97.

- Dunlop, J.N. & I.R. Pound (1981). Observations on the Pebble-mound Mouse *Pseudomys chapmani* Kitchener 1980. *Records of the Western Australian Museum* **9**, 1-5.
- Dunlop, J.N. & G.M. Storr (1981). SEABIRD ISLANDS. No.111. Carnac Island, Western Australia. *Corella* **5**, 71-74.
- Dunlop, J.N. & Maryanne Sawle (1982). The habitat and life history of the Pilbara Ningau *Ningau timealeyi*. *Records of the Western Australian Museum* **10**, 47-52.
- Dunlop, J.N. & C. Dawe (1983). Introduction to the Hamersley Range National Park. *National Parks Authority of WA Bulletin* No.1, 3-6.
- Dunlop, J.N. & Maryanne Sawle (1983). The small mammals of the eastern Pilbara and the Hamersley Range National Park. *National Parks Authority of WA Bulletin* No.1, 26-30.
- Dunlop, J.N. (1983). The Pilbara Ningau *Ningau timealeyi*, Archer. In "Complete Book of Australian Mammals" R. Strahan ed. (Angus & Robertson : Melbourne).
- Storr, G.M. Hanlon, T.M.S. & J.N. Dunlop (1983). Herpetofauna of the Geraldton Region, Western Australia. *Records of the Western Australian Museum* **10**, 215-234.
- Fox, J.E.D., Grey, J.A., Smith, K.N. & J.N. Dunlop (1983). Further notes on the Eucalyptus species of the Pilbara region, Hamersley Plateau. *Mulga Research Centre Annual Report* No.7, 81-87.
- Dunlop, J.N. & Galloway (1984). The dispersal and germination of seed in the Weeping Pittosporum (*Pittosporum phylliraeoides* DC). *Mulga Research Centre Annual Report* No.7, 75-80.
- Dunlop, J.N. (1985a). Reproductive periodicity in a population of Crested Terns *Sterna bergii* Lichtenstein in south-western Australia. *Australian Wildlife Research* **12**, 95-102.
- Dunlop, J.N. (1985b). The relationship between moult and the reproductive cycle in a population of Crested Terns *Sterna bergii* Lichtenstein. *Australian Wildlife Research* **12**, 487-494.
- Dunlop, J.N. Majer, J.D., Morris, C.J. & K. Walker (1985). A preliminary assessment of minesite rehabilitation in the Pilbara iron ore province using ant communities as ecological indicators. *Mulga Research Centre Annual Report* No.8, 25-31.
- Dunlop, J.N. & R.D. Wooller (1986). Range extensions and the breeding seasons of seabirds in south-western Australia. *Records of the Western Australian Museum* **12**, 389-394.
- Dunlop, J.N. (1987) Moulting-breeding overlap in the Common Noddy *Anous stolidus* Linnaeus on Christmas Island, Indian Ocean. *Corella* **11**, 15-19.
- J.N. Dunlop & J.E.D. Fox (1987). Germination and seed weights of unusual forms of *Acacia aneura* from the Northern Territory. *Mulga Research Centre Journal* **9**, 17-21.

- Dunlop, J.N. (1987). Observations on the social behaviour and colony formation in a population of Crested Terns *Sterna bergii*. *Australian Wildlife Research* **14**, 529-540.
- Dunlop, J.N., Klomp, N.I. & R.D. Wooller (1988). SEABIRD ISLANDS No.188. Penguin Island, Western Australia. *Corella* **12**, 93-98.
- Dunlop, J.N., Cheshire, N.G. & R.D. Wooller (1988). Observations on the marine distribution of tropicbirds, sooty and bridled terns, and gadfly petrels from the eastern Indian Ocean. *Records of the Western Australian Museum* **14**, 529-540.
- Dunlop, J.N., Wooller, R.D. & N.G. Cheshire (1988). Distribution and abundance of marine birds in the eastern Indian Ocean. *Australian Journal of Marine & Freshwater Research* **39**, 661-669.
- Wooller, R.D. & J.N. Dunlop (1990). Predation of the eggs of Silver Gulls *Larus novaehollandiae* by reptiles. *Corella* **14**, 62-83.
- Dunlop, J.N. (1990). The small vertebrate ground fauna of mulga habitats near Wiluna, Western Australia. *Mulga Research Centre Journal* **10**, 19-27.
- Dunlop, J.N. & R.D. Wooller (1990). The breeding seabirds of south-western Australia: Trends in species, populations and colonies. *Corella* **14**, 107-112.
- Wooller, R.D., J.N. Dunlop, Klomp, N.I., Meathrel, C.E. & B.C. Wienecke (1991). Seabird abundance, distribution, and breeding patterns in relation to the Leeuwin Current. *Journal of the Royal Society of WA* **74**, 129-132.
- Dunlop, J.N. & J. Jenkins (1992). Known-age birds at a sub-tropical breeding colony of Bridled Terns (*Sterna anaethetus*): A comparison with the Sooty Tern. *Colonial Waterbirds* **15**, 75-82.
- Groom, P.K., Fox, J.E.D. & J.N. Dunlop (1993). Salt tolerance in *Rhagodia eremaea*. *Mulga Research Centre Journal* **11**, 35-42.
- Dunlop, J.N. & J. Jenkins (1994). Population dynamics of the Bridled Tern *Sterna anaethetus* colony on Penguin Island, south-western Australia. *Corella* **18**, 33-36.
- Dunlop, J.N., Oliver, G. & S. van Leeuwen (1994). SEABIRD ISLANDS No.225. Haycock Island, Pilbara Region, Western Australia. *Corella* **18**, 115-116.
- Dunlop, J.N., Oliver, G. & S. van Leeuwen (1994). SEABIRD ISLANDS No.226. Goodwyn Island, Pilbara Region, Western Australia. *Corella* **18**, 117-119.
- Dunlop, J.N., Oliver, G. & S. van Leeuwen (1994). SEABIRD ISLANDS No.227. Elphick Nod, Pilbara Region, Western Australia. *Corella* **18**, 120-121.

Dunlop, J.N., Matter, F., Paterson, H. & S. van Leeuwen (1994). SEABIRD ISLANDS No.228. Walcott Island, Pilbara Region, Western Australia. *Corella* **18**, 122-124.

Dunlop, J.N. & R.E. Johnstone (1994). The migration of Bridled Terns *Sterna anaethetus* breeding in Western Australia. *Corella* **18**, 125-129.

Fox, J.E.D., Barrett, D.R. & J.N. Dunlop (1995). Revegetation after mining in Mulga Country. In "Ecological Research and Management in the Mulgalands." Conference Proceedings, University of Queensland Gatton Colony: Australia. (eds. M.J. Page and T.S. Beutel) pp 119-126.

Dunlop, J.N. (1996). Habituation to human disturbance by breeding Bridled Terns *Sterna anaethetus*. *Corella* **20**, 13-16.

Dunlop, J.N. (1997). Foraging range, marine habitat and diet of Bridled Terns breeding in Western Australia. *Corella* **21**, 77-82.

Dunlop, J.N. & J. Goldberg (1999). The establishment of a new Brown Noddy *Anous stolidus* breeding colony off south-western Australia. *Emu* **99**, 36-39.

Ripley, E., Ripley, J., Dunlop, J.N., Green, B. & J. Lord (1998). The changing flora of the Shoalwater Bay Islands, *Western Australian Naturalist* **22**, 81-103.

Dunlop, J.N. & D. Mitchell (2001). Further changes to the breeding seabirds of Lancelin Island, Western Australia. *Corella* **25**, 1-4.

Ripley, E., Ripley, J.J. & J.N. Dunlop (2002). Increasing numbers of Pied Cormorants breeding on Islands of Perth, Western Australia and the consequences for vegetation. *Corella* **26**, 1-4.

Dunlop, J.N., Long, P., Stejskal, I. & C. Surman (2002). Inter-annual variations in breeding participation at four colonies of the Wedge-tailed Shearwater *Puffinus pacificus*. *Marine Ornithology* **30**, 13-18.

Ripley, E., Ripley, J.J., Green, B. & J.N. Dunlop (2002) Comparison of the vegetation of the islands in Shoalwater Bay (Rockingham, Western Australia) with that of the coastal bushland. *Journal of the Royal Society of Western Australia* **85**, 169-179.

Dunlop, J.N. *in press*. The demography of a Common Noddy *Anous stolidus* colony during the establishment period. *Emu*

Environmental / Technical Reports

Cockburn Wetlands Committee (1976). Cockburn Wetlands Study. Cockburn Town Council. (Contributed content on waterbirds in the system).

O'Connor, D. (1977). Rottneest Island. National Estate Survey, Book 2 The Environment. (Contributed wildlife content).

Integrated Environmental Services (1980). An ecological appreciation of the West Angelas Area, Western Australia. Report prepared for Cliffs International Inc.

Integrated Environmental Services (1981). An ecological appraisal of the Yandicoogina Project Area, Western Australia. Report prepared for CSR Ltd.

Fox, J.E.D. & J.N. Dunlop (1983a). Mulga Study. National Highway Project. Packsaddle to Munjina. Mulga Research Centre Report No.1. Prepared for Main Roads Department WA.

Fox, J.E.D. & J.N. Dunlop (1983b). Mulga Study. National Highway Project. Newman to Wanna Munna. Mulga Research Centre Report No.5. Prepared for the Main Roads Department WA.

Chape, S (1984). Penguin Island Draft Management Plan. National Parks Authority and Department of Conservation & Environment. (Contributed vegetation and fauna sections).

Dunlop, J.N. & B. Porter (1985). The conservation of mulga communities in south-eastern Pilbara. Mulga Research Centre Special Report. Report prepared for the Department of Conservation & Environment.

Dunlop, J.N. (1986). An assessment of the vertebrate fauna of the Cooljarloo Project area. J.N. Dunlop & Associates report prepared for TIO2 Corporation NL.

Walker, K.J., Osborne, J. & J.N. Dunlop (1986). Vertebrate colonization after revegetation of a rehabilitated iron ore waste dump, Newman WA. AMIC Environmental Workshop Papers.

Dunlop, J.N., Bamford, M.J. & N.I. Klomp (1986). THE SEABIRDS OF PENGUIN ISLAND, WESTERN AUSTRALIA. Little Penguin. (Natural History Interpretation Group).

Dunlop, J.N. (1987). A fauna assessment of four water supply sources in the Darling Ranges. J.N. Dunlop & Associates report to the Water Authority of WA.

Dunlop, J.N., & M.J. Bamford (1987). THE SEABIRDS OF PENGUIN ISLAND, WESTERN AUSTRALIA. Crested Tern. Department of Conservation & Land Management.

Dunlop, J.N., & M.J. Bamford (1987). THE SEABIRDS OF PENGUIN ISLAND, WESTERN AUSTRALIA. Bridled Tern. Department of Conservation & Land Management.

Dunlop, J.N. (1988). The status and biology of the Golden Bousunbird *Phaethon lepturus fulvus*. Report prepared for the Director, Australian National Parks & Wildlife Service.

Dunlop, J.N. (1988). Wildlife Management on the tombolo area on Penguin Island. Report prepared for the Department of Conservation & Land Management.

Dunlop,J.N.(1988). Vegetation management on the Shoalwater Bay Islands. Report to the Department of Conservation & Land Management.

Dunlop,J.N.(1988). The management of Silver Gulls on the Shoalwater Bay Islands. Report to the Department of Conservation and Land Management.

Dunlop,J.N.(1988). The management of terns on the Shoalwater Bay Islands. Report to the Department of Conservation & Land Management.

Dunlop,J.N.(1989). Environmental compliance at the Mt Wilkinson Gold Mine. Chevron Exploration Corporation.

Dunlop,J.N. & D.I. Fletcher (1989). Empire Gold Project Study. Phase 1- Preliminary Environmental Assessment. Report prepared by the Mulga Research Centre for Eon Metals NL.

Dunlop,J.N.,Fox,J.E.D. & J.M. Osborne(1989). Mt Keith Ecological Assessment Report. Prepared by the Mulga Research Centre for Australian Consolidated Minerals.

Dunlop,J.N., Fox, J.E.D. & J.M.Osborne(1990). Marvel Loch Biological Survey. Prepared by the Mulga Research Centre for Mawson Pacific.

Dunlop,J.N.(1990). A pre-mining flora and fauna study and rehabilitation plan for the Turret and Waroonga Pits, Lawlers Gold Project. A report prepared by the Mulga Research Centre for Forsayth Mining Services Ltd.

Dunlop,J.N.(1990). Mining and the Goldfields Desert Lakes. Landline 16,7. Australian Mining Industry Council.

Dunlop,J.N.(1994).The role of industry in seabird conservation. ANCA National Seabird Conservation Workshop. Canberra November 1993.

Dunlop, J.N.(1995). Silver Gull management on the Lowendal Islands in relation to oil field operations. Report prepared by Astron Environmental for Apache Energy.

Dunlop,J.N.,Surman,C.A.& R.D.Wooller (1995). Distribution and abundance of seabirds in the eastern Indian Ocean. An analysis of potential interactions with the offshore petroleum industry. Report prepared for the Australian Petroleum Production & Exploration Association.

Astron Environmental (1995). Integrated Wedge-tailed Shearwater Monitoring Study. June 1995. Report prepared for Apache Energy, BHP Petroleum and Western Mining Corporation.

Department of Minerals & Energy (1996). Guidelines for Mining in Arid Environments. Revised edition prepared by J.N. Dunlop.

Astron Environmental (1996). Integrated Wedge-tailed Shearwater Monitoring Study. Annual Report – August 1996. Report prepared for Apache Energy, BHP Petroleum and Western Mining Corporation.

Dunlop, J.N., Brearley, D.R. & J.M. Osborne (1997). Fauna survey of the Maggie Hays Project Area. Curtin Consulting for Forrestania Gold.

Dunlop, J.N., Surman, C.A. & R.D. Wooller (1997). Marine distribution of Christmas Island seabirds. Report prepared for the Australian Nature Conservation Agency.

Dunlop, J.N., Brearley, D.R. & J.M. Osborne (1997). The terrestrial flora & fauna of Lake Carey. Report by the Mine Rehabilitation Group, Curtin University of Technology for Placer Granny Smith Gold Mine.

Astron Environmental (1997). Integrated Wedge-tailed Shearwater Monitoring Study-Triennial Report. Report prepared for Apache Energy, BHP Petroleum and Novus Petroleum.

Dunlop, J.N., Brearley, D.R. & J.M. Osborne (1998). Biological survey and environmental assessment of the Emily-Ann Project Area. Report prepared by Curtin Consulting for Lionore.

Riphey, E., Riphey, J., Dunlop, J.N., Durant, C., Green, B. & J. Lord (1998). Vegetation management on the Shoalwater Bay Islands. Report prepared by the Friends of the Shoalwater Islands Marine Park Inc. for the Department of Conservation & Land Management.

Astron Environmental (1998). Integrated Wedge-tailed Shearwater Monitoring Study. Fourth Annual Report prepared for Apache Energy and Novus Petroleum.

Dunlop, J.N., Payne, W. & J.M. Osborne (1998). Vertebrate fauna assessment of the Jubilee Deposit Area. Report prepared by the Mine Rehabilitation Group, Curtin University of Technology for Placer Granny Smith Gold Mine.

Dunlop, J.N., Payne, W. & J.M. Osborne (1999). A vertebrate fauna survey of the north-eastern Lake Carey area, including the Hillside, Wallaby and Just in Case/Time Prospects and the Tea-tree Dam area. Report prepared by the Mine Rehabilitation Unit, Curtin University of Technology for the Placer Granny Smith Gold Mine.

Astron Environmental (1999). Integrated Shearwater Monitoring Program, 5th Annual Report, September 1999. Report prepared for Apache Energy.

Dunlop, J.N. (2000). Seabirds of the Recherche Archipelago and adjacent waters. In “Wonders of the Southern Ocean – Riches of the Recherche” Conference. Coastcare, Australia.

Dunlop, J.N. & E. Riphey (2000). A perspective on the management of seabird islands off southwestern Australia. Unpublished report contributed to the management plan for the Turquoise Coast Islands.

Astron Environmental (2000). A vertebrate survey of the Syntroleum Area on the Burrup Peninsular. Report for Syntroleum.

Astron Environmental (2000). Integrated Shearwater Monitoring Program. Second Triennial Report. August 2000. Report prepared for Apache Energy.

Astron Environmental (2001). Integrated Shearwater Monitoring Program. 7th Annual Report. October 2001. Report prepared for Apache Energy.

Conservation Council of WA (2001). Discussion paper on the Implementation of Representative Marine Sanctuaries in Western Australia. Prepared for public forum held on 9 May 2001.

Conservation Council of WA (2001) The Conservation Sector's Perspective on ESD Assessment in WA Fisheries. Prepared for Fish Biology Conference in Bunbury, September 2001.

Conservation Council of WA (2001). Conservation Sector's Role in Fisheries Management. Prepared for the WA Coastal Conference held in Esperance in November 2001.

Dunlop, J.N. (2001). Sea Change and Fisheries. *Western Fisheries*. Spring 2001, pages 11-14.

Dunlop, J.N. & E. Rippey (2004). *Rat Island Recovery Project*. A Feasibility Study. Report prepared for the Department of Fisheries, Western Australia.

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