

CURRICULUM VITAE

Karen (Bonba) EDYVANE

Principal Scientist (Marine Group)
Department of Natural Resources, Environment, the Arts & Sport
Arafura Timor Research Facility
PO Box 41775, CASUARINA NT 0811.
Telephone: 08-8920 9261
Facsimile: 08-8920 9222
Email: karen.edyvane@nt.gov.au



ACADEMIC QUALIFICATIONS

- 1990 PhD in Botany, University of Adelaide, 1990. Thesis title: "*Taxonomy and Reproductive Biology of Southern Australian Representatives of the Gigartinaceae (Gigartinales, Rhodophyta)*"
- 1981 BSc (Hons) Botany, University of Tasmania, 1981. Thesis title: "*Factors Affecting Zonation of Macroalgae at Tinderbox, Tasmania.*"

AWARDS & HONOURS

- 2006 Adjunct Professional Fellow (Marine Conservation), Charles Darwin University.
- 2006 International finalist, *Pew Marine Conservation Fellowship* [[Pew Institute of Ocean Science](#)]
- 2003 Bulletin's *Smart 100* (Environment Category) [[The Bulletin - Top 10 Environment Finalists](#)]
- 1999 National finalist, *Michael Daley Eureka Award* for the Promotion of Science (Australian Museum) [[1999 Eureka Prizes](#)].
- 1998 *Woman in Science Award 1998* (International Women's Day).
- 1996 *Unsung Hero of SA Science 1996* (Australian Science Communicators Society).
- 1994-96 Member IUCN-Commission of National Parks and Protected Areas.
- 1990-93 Visiting Investigator, Australian Institute of Marine Science (AIMS).
- 1982-86 Commonwealth Postgraduate Research Award, University of Adelaide.
- 1986 Student Prize, Australian Marine Science Association - Australasian Society for Phycology and Aquatic Botany, Hobart.

EMPLOYMENT

- 2006-present Principal Scientist, Marine Biodiversity Branch, Department of Natural Resources, Parks & Wildlife NT, Environment, the Arts and Sport, Northern Territory Government. Leader of the Marine Biodiversity Branch, responsible for marine biodiversity, conservation research, planning and high-level policy advice on behalf of the NT Government.
- 2001-2002 Project Leader (Giant Kelp), Department of Primary Industries, Water and Environment, Tasmania. Research studies - conservation, threat and recovery analysis of Giant Kelp forests in Tasmania.

- 1999-2000 Project Leader (Marine Protected Areas), Parks and Wildlife Service, Tasmania (on secondment from SA Government). Development and preparation of the '*Tasmanian Marine Protected Areas Strategy*', marine habitat mapping, and other strategic MPA tasks.
- 1990-1998 Program Leader, Environment & Biodiversity Program, South Australian Research & Development Institute (Aquatic Sciences). Leader of the Environment & Biodiversity Program, responsible for marine biodiversity, conservation research, planning and high-level policy advice on behalf of the SA Government.
- 1987-1989 Lecturer in Biological Sciences, James Cook University of North Queensland.

TEACHING

Summary of postgraduate research supervision: 13 completed Masters & PhD Students, 12 Honours.

Summary of undergraduate and postgraduate teaching:

- 2006-2007 Adjunct Chair (Marine Conservation) (Charles Darwin University) - lecturing, short courses, field trips (marine conservation planning and policy, coastal and marine resource management). Organisation, preparation, coordination (and delivery) of a 2-week, intensive course on Tropical Coastal and Marine Resource Management (CRS 240).
- 2003-2005 Honorary Research Fellow (University of Tasmania) - casual lecturing, field trips (marine botany, Marine Protected Areas, marine planning, marine assessment and monitoring, marine ecosystem-based management) (School of Plant Sciences, School of Geography & Environmental Studies).
- 1993-1996 Affiliate Lecturer in the Masters of Ecological Management course, University of Adelaide. Responsible for development and delivery of an intensive, 5-day module entitled: Marine Pollution Ecology and Management.
- 1993-1998 Casual lecturing, University of Adelaide, Department of Botany (mangrove, samphire, seagrass biology in Botany 1; marine pollution biology and monitoring, third year), Mawson Institute of Environmental Studies (marine habitat management, Marine Protected Areas), Roseworthy College (ecosystem approaches to marine and coastal environments, third year ecosystem modelling students). Flinders University (fisheries habitat management, marine pollution management, 3 lectures/year, third year),
- 1987-1989 Lecturer B (full-time, tutor) first year Botany, Cell Biology and Genetics, second year Biometrics, Marine Plant Biology, third year Limnology and Aquatic Botany, James Cook University of North Queensland.

SKILLS & EXPERTISE

Extensive experience (>20 years) in marine conservation, marine protected areas, benthic ecology, marine environmental policy, monitoring and assessment, and marine planning; project management experience (ie. government grants, consulting); extensive field research experience (ie. diving, small boats, large vessels, subtidal surveys); temperate (and tropical) marine habitat expertise and experience (esp. macroalgae, seagrasses, mangroves); extensive scientific diving experience (>2000 hrs); report writing, technical reviews, monographs; databases, data and statistical analysis (including multivariate analyses); GIS, map production and

spatial analysis (ie. ArcGIS); marine habitat mapping (ie. optical mapping, underwater videography); undergraduate and postgraduate teaching and professional training; and desktop publishing.

LANGUAGES

Conversational Indonesian (85 hours, private language school, Jogjakarta, Jan 2010).

INTERNATIONAL CONSULTANCIES

- I
- 2006-09 Coastal and Marine Habitat Mapping – Timor Leste (with CDU) (Ministry of Agriculture & Fisheries, Timor Leste Government, \$106,600) (see Boggs *et al.* 2009).
- Jacu Island Marine Park - Planning and Establishing Timor Leste first Marine Park (Ministry of Agriculture & Fisheries, Timor Leste Government, \$75,000) (see Edyvane *et al.* 2009).
- Coastal & Marine Ecotourism on the North Coast of Timor Leste (with JCU) (Ministry of Agriculture & Fisheries, Timor Leste Government, \$20,000) (see Edyvane *et al.* 2009).
- 1996 Review and assessment of the environmental sensitivity mapping project for the coast of Vietnam (March 1996). Trimar AB, SWECO in association with the Remote Sensing Centre (General Department of Land Administration).
- 1991 Detecting pollution impacts on the coral reefs of Pulau Seribu (Java) (with C Wilkinson AIMS), AIDAB-ASEAN (Australia Marine Science Project: Living Coastal Resources) (14-day, international scientific marine survey), June 16-July 8, 1991. Project involved marine researchers from AIMS and SARDI, University of Singapore and LIPI (Jakarta).
- 1991 Taxonomy of tropical coral reef macroalgae, environmental design and monitoring of marine pollution impacts, LIPI, Jakarta, Indonesia, June 16- July 8, 1991 (training program and workshop).

NATIONAL CONSULTANCIES

Grants with KE as Chief Investigator:

Large Grants (>\$10K)

- 2007-09 Conservation Assessment of Priority Non-Fish Marine Threatened Species in the NT (NHT-NRM, \$266,053).
- Djelk Sea Country, Survey and MPA Planning (NHT-NRM, \$235,000).
- Identifying Potential Sites for Marine Protected Areas in the NT (NHT-NRM, \$100,093).
- 2005/06 NT Marine & Coastal Database & Survey Program - development of web-based, NT coastal-marine atlas/database and also, a Territory-wide biological survey and mapping program. (NHT-NRM, \$601,000).

- Developing a Marine Protected Areas Strategy for the Northern Territory (NHT-NRM, \$140,000).
- Conservation & Management of Coastal & Marine Biodiversity in the NT (NHT-NRM, \$160,000).
- Northern Territory Indigenous Marine Debris Monitoring Project (NHT-NRM, \$103,880).
- Spatial data products to assist regional marine biodiversity conservation and planning in Spencer Gulf, South Australia (Department of Environment & Heritage, South Australia, \$11,500) – Report and CD ROM (Edyvane 2006).
- 2001-2002 [Conservation, threat and recovery assessment of Giant Kelp Forests in Tasmania](#) (Edyvane 2003) (DPIWE & TAFI). (Environment Australia, Marine Species Protection Program, \$94,894). [For further information on the kelp project see: [Kelp Watch](#)].
- 2000 Tasmanian Marine Protected Areas Strategy: Phase 3 Additional Work (Environment Australia, Marine Protected Areas Program 1998/99, \$111,688).
- Mapping of the seagrass and underwater reef systems of Tasmania (TAFI & DPIWE). [For results, see Edyvane *et al.* 2000].
- 1999 Tasmanian Marine Protected Areas Strategy: Phase 3 (Environment Australia, Marine Protected Areas Program 1997/98, \$97,904).
- 1999 A review of the conservation status of Australia's marine macroalgae and microalgae (Environment Australia, Endangered Species Program, \$59,670).
- 1993-1998 Identification of ecologically representative marine habitats in South Australia for selection as Marine Protected Areas using benthic surveys (Environment Australia, Marine Protected Areas Program, \$265,871).
- 1997/98 Development of a spatial database for marine biodiversity conservation and management in South Australia (Environment Australia, Marine Protected Areas Program 1997/98, \$59,135).
- 1997/98 Biological survey of Gulf St Vincent (Environment Australia, Marine Protected Areas Program 1997/98, \$62,871)
- 1997 Biological survey and marine habitat mapping of western Victoria (Department of Natural Resources and Environment, \$10,000)
- 1995-98 Large-scale seagrass loss in northern Spencer Gulf (with S Seddon, A Cheshire, University of Adelaide) (SA EPA, SA Fishing Industry Council, \$30,000).
- 1996-9 '*Dragon Search*': community-based monitoring of populations of Sygnathids, ie. Seadragons (*Phycodurus eques*, *Phyllopteryx taeniolatus*) in South Australia (SARDI & Marine & Coastal Community Network) (96-1999, CoastCare, \$25,000). [For further information, see: [Dragon Search](#)].
- 1994-96 Survey of the coastal and marine habitats of South Australia: subtidal biological communities (Australian Heritage Commission, \$81,000).

- 1995/96 Marine and coastal biodiversity strategy for South Australia ('Ocean Rescue 2000', \$40,000).
- 1994/95 Resource assessment of the tidal and subtidal habitats of the Murray Mouth estuary ('Ocean Rescue 2000', \$19,850).
- 1993/94 Establishment of an underwater interpretation trail at Port Noarlunga Reef Aquatic Reserve and related initiatives involving education and promotion of Marine Protected Areas ('Ocean Rescue 2000', \$31,500).
- Management plan for the proposed Great Australian Bight Marine Park - Phase 2 ('Ocean Rescue 2000', \$38,800).
- 1992/93 Management plan for the Great Australian Bight Marine Park ('Ocean Rescue 2000', \$55,000).
- 1993-8 Annual beach litter monitoring at Anxious Bay, Eyre Peninsula (CoastCare, \$30,000).
- 1991/92 Marine and Estuarine Protected Areas in South Australia: toward a national, representative system (Australian National Parks & Wildlife Service, \$25,000).
- Identification of Marine Protected Areas in South Australia (Australian National Parks & Wildlife Service, \$45,000).
- 1990-1992 Chemically mediated interactions between marine organisms (Australian Research Council, \$25,000 per year, Chief Investigators: Dr.J.C.Coll & Dr.P.W.Sammarco, KE-collaborator).

Small Grants (<\$10K)

1. Natural Resource Management Plan for the Northern Territory (specialist technical consultant on coastal and marine issues) (2005, NT Government, \$5,000).
2. Professional development and training courses (temperate marine ecology, planning and ecosystem-based management) (2004, Department of Sustainability & Environment, CoastCare, Victoria, \$5000).
3. Identifying Marine Protected Areas in the South East Marine Region: Murray and Zeehan Broad Area of Interest (2003, Australian Conservation Foundation, Australian Marine Conservation Society, Whale and Dolphin Conservation Society, Marine and Coastal Community Network, \$2,900).
4. Development of a Coastal and Marine Tourism Strategy (SA Tourism Commission). Encounter 2002 Program (2002, SA Tourism Commission, \$5,000).
5. Marine conservation values and biogeography of Gulf St Vincent – Fleurieu Peninsula (1997, SA Coastal Protection Board, \$7,875).
6. Seagrass Mapping of Upper Spencer Gulf (with S Seddon) (1997, FishCare) (\$5,000)
7. Ocean Litter Surveys – Robe, Anxious Bay (with A Dalgetty) (1997, FishCare) (\$6,664)
8. Tumby Bay and Arno Bay Mangrove Boardwalks, Interpretation Centre (1997, CoastCare)
9. Marine Monitoring of Pelican Lagoon, Kangaroo Island (1996, CoastCare, \$1,372)
10. Marine Monitoring of Hog Bay, Kangaroo Island (1996, CoastCare, \$1,372)
11. Nepean Bay Marine Environment Monitoring (1996, CoastCare, \$3,400)
12. Franklin Harbour Mangrove Monitoring & Revegetation (1996, CoastCare)
13. Development of a Marine Education Centre, 'Star-of-the-Sea' School (1996, CoastCare)
14. Macroalgal taxonomic identification for Linkon's Magnetic Quays development, Nelly Bay, Magnetic Island, Townsville (1988/89, James Cook University, \$2,000).
15. Benthic macroalgal survey of Florence Bay, Magnetic Island, Townsville (1988/89, Brannock Humphreys, \$5,000).

16. The role of chemical defense in tropical vs. temperate species of *Sargassum* (1988, James Cook University, \$5,500).
17. Systematics and reproductive biology of tropical *Sargassum* (1988, James Cook University, \$4,800).

PUBLICATIONS

Book Chapters

1. Edyvane KS & M Lockwood. 2005. Marine Protected Areas. In *Protected Area Management (Principles and Practice)*; edited by GL Worboys, M Lockwood. Oxford Press.
2. Edyvane KS. 2005. Australia, Coastal Ecology. In, *Encyclopedia of Coastal Science*; edited by M Schwartz. Encyclopedia of Earth Sciences Series, Kluwer Academic Publishers.
3. Edyvane KS. 2001. Great Australian Bight Marine Park. In, *Protected Area Management (Principles and Practice)*; edited by GL Worboys. IUCN WCPA Australian Region Project. IUCN World Conservation Union.
4. Edyvane KS. 2000. The Great Australian Bight. In, *Seas at the Millennium: An Environmental Evaluation*; edited by C Sheppard. Volume II. Regional Chapters: The Indian Ocean to the Pacific, Chapter 97, pp. 673-690. Elsevier Science Ltd.
5. Edyvane KS & S Shepherd. 1999. South Australia. In, *Under Southern Seas: the Ecology of Australia's Rocky Reefs*; edited by N Andrews, Chapter 5, pp. 40-49. University of New South Wales Press, Sydney, New South Wales.
6. Edyvane KS. 1998. Marine habitats and biodiversity. In, *Description, Use and Management of South Australia's Marine and Estuarine Environments*, edited by R Lewis, K Edyvane & N Newland. Government of South Australia.
7. Edyvane KS. 1998. Marine pollution. In, *Description, Use and Management of South Australia's Marine and Estuarine Environments*, edited by R Lewis, K Edyvane & N Newland. Government of South Australia.
8. Edyvane KS. 1998. Marine conservation. In, *Description, Use and Management of South Australia's Marine and Estuarine Environments*, edited by R Lewis, K Edyvane & N Newland. Government of South Australia.
9. Edyvane K. 1996. Issues in the South Australian marine environment. In: Zann, L & D Sutton (eds), *State of the Marine Environment Report, Technical Annex III. State and Territory Issues*. Great Barrier Reef Marine Park Authority, pp.61-88.
10. Edyvane K. 1996. Issues in the South Australian marine environment. In: Zann, L (ed), *State of the Marine Environment Report, Technical Summary*. Great Barrier Reef Marine Park Authority, pp.319-327.
11. Edyvane K. 1996. Marine conservation and marine protected areas in South Australia. In: Zann, L (ed), *State of the Marine Environment Report, Technical Summary*. Great Barrier Reef Marine Park Authority, pp.482-487.
12. Edyvane K & HBS Womersley. 1994. Gigartinales. In, HBS Womersley (ed.), *The Marine Benthic Flora of Southern Australia*. Rhodophyta Part IIIA, p 285-314. Flora of Australia Supplementary Series Number 1. Australian Biological Resources Study, Canberra.

Refereed Journal Articles

13. Edyvane KS & V Boxall. (submitted). Long term heavy metal contamination of edible marine seafood in the Port Pirie Region, South Australia. *Trans.Roy.Soc.S.Aust.*
14. Baker JL, SA Shepherd, D Turner & K Edyvane (2008). Investigator Group Expedition 2006: Benthic macroalgal studies at islands in the eastern Great Australian Bight over three decades. *Trans.R.Soc.S.Aust.* (Special Issue), **132(2)**: 251–267.
15. Edyvane KS. 2008. Macroalgal biogeography and assemblages of Gulf St Vincent. *Trans.Roy.Soc.S.Aust.*
16. Edyvane KS, Dalgetty A, Hone P, Higham J & N Wace. 2003. Long term monitoring of ocean litter in the Great Australian Bight. *Marine Pollution Bulletin* **48(11-12)**:1060-1075.

17. Baker JL & KS Edyvane. 2003. Subtidal macrofloral survey of St Francis and Fenelon Islands. *Trans. R. Soc. S. Aust.* (Special Issue), **127**:177-187.
18. Edwards JW, Edyvane KS, Boxall VA, Hamann M & KL Soole. 2001. Heavy metal levels in seston and marine fish flesh near industrial and metropolitan centres in South Australia. *Marine Pollution Bulletin* **42**(5): 389-396.
19. Seddon S, Connolly RM & KS Edyvane. 2000. Large-scale seagrass dieback in northern Spencer Gulf, South Australia. *Aquatic Botany* **66**(4):297-310.
20. Scott LC, Boland JW, Edyvane KS & GK Jones. 2000. Development of a seagrass - fish habitat model: I. A seagrass residency index for economically important species. *Environmetrics* **11**(5):541-552.
21. Benzie JAH, Ballment E & KS Edyvane. 2000. Allozymes as genetic identification markers of *Sargassum* spp. (Phaeophyta) from the Great Barrier Reef, Australia. *Botanica Marina* **43**:169-179.
22. Scott LC, Boland JW, Edyvane KS & GK Jones. 1999. Development of a seagrass-fish habitat model - II: Estimating commercial catch using regression, effort and seagrass area. In: Proc. International Congress on Modelling and Simulation, Hamilton, New Zealand, 6th-9th December, 841-846.
23. Edyvane KS. 1999. Coastal and marine wetlands in Gulf St Vincent, South Australia: understanding their loss and degradation. *Journal of Wetlands Ecology and Management* **7**:83-104.
24. Hamann M, Boxall VA, Edyvane KS, Edwards JW & KL Soole. 1999. Biochemical and cytogenetic biomarkers of pollutant exposure in marine fish (*Aldrichetta forsteri* Valenciennes and *Sillago schomburgkii* Peters) near industrial and metropolitan centres in South Australia. *Biomarkers* **4**:290-302.
25. Clayton MN & Edyvane K. Macroalgal biodiversity: concepts and problems. *Botanica Marina* **41** (1): 87-88.
26. Jones GK, Baker JL, Edyvane K & Wright GJ. 1996. Nearshore fish community of the Port River - Barker Inlet estuary, South Australia. I. Effect of thermal effluent on the fish community structure, and distribution and growth of economically important fish species. *Journal of Marine and Freshwater Research* **47**:785-99.
27. Edyvane K & HBS Womersley. 1993. Morphology and taxonomy of *Rhodoglossum gigartinoides* (Sonder)comb.nov. (Gigartinaceae, Rhodophyta) from Australia and New Zealand. *Phycologia*. **32**(4):237-250.
28. Nias D, McKillop S & K Edyvane. 1993. Imposex in *Lepsiella vinosa* from Southern Australia. *Marine Pollution Bulletin* **26**:380-384.
29. Steinberg PD, Edyvane K, de Nys R, Birdsey R, & IA van Altena. 1991. Lack of avoidance of phenolic-rich brown algae by tropical herbivorous fishes. *Marine Biology* **109**:335-343.

Published Conference Papers

30. Edyvane KS. 1996. The Unique South: marine biodiversity in the Great Australian Bight. In, *Workshop on Multiple-Use in Marine Environments- Proceedings*, held at the Australian Academy of Science, Canberra, 18 October 1995. Australian Petroleum Production & Exploration Association Canberra, pp.176-196.
31. Edyvane KS. 1996. The role of Marine Protected Areas in temperate ecosystem management. In: Thackway, R (ed), *Developing Australia's Representative System of Marine Protected Areas. Criteria and Guidelines for Identification and Selection..* Proceedings of a technical meeting held at the South Australian Aquatic Sciences Centre, West Beach, Adelaide, 22-23 April 1996. Commonwealth of Australia, pp.53-67.
32. Edyvane KS & Baker JL. 1996. Mapping biodiversity studies in South Australia: research for integrated coastal-marine management? In: Harvey, N (ed), *Proceedings of the Australian Coastal Management Conference, Glenelg, South Australia, 17-19 April, 1996.* University of Adelaide, South Australia, pp.172-184.

33. Baker JL, Shepherd SA & KS Edyvane. 1996. The use of marine reserves to manage benthic fisheries, with emphasis on the South Australian abalone fishery. In: Thackway, R (ed), *Developing Australia's Representative System of Marine Protected Areas. Criteria and Guidelines for Identification and Selection*. Proceedings of a technical meeting held at the South Australian Aquatic Sciences Centre, West Beach, Adelaide, 22-23 April 1996. Commonwealth of Australia, pp.103-113.
34. Edyvane K. 1995. Murray Mouth Biological Resource Assessment Workshop: Workshop Goals and Objectives. In, Edyvane K & P Carvalho (eds), *Proceedings of the Murray Mouth Biological Resource Assessment Workshop*, 28 April, South Australian Aquatic Sciences Centre. South Australian Research & Development Institute (Aquatic Sciences), Henley Beach, South Australia.
35. Edyvane KS & J Baker. 1995. Marine bioregionalisation project of South Australia. In, *Towards a Marine Regionalisation for Australia*, edited by J Muldoon. Proceedings of a workshop held in Sydney, New South Wales, 4-6 March, 1994. Ocean Rescue 2000 Workshop Series, Publication 1.
36. Lewis RK, Cannon J & KS Edyvane. 1994. Impact of ballast water on the Australian fishing industry - a State view. *AQIS Ballast Water Symposium Proceedings*, 11-13 May 1994, Canberra.
37. Neverauskas V & K Edyvane. 1993. Aquatic reserves of South Australia. In, Ivanovici A, Tarte D & M Olson (eds.), *Protection of Marine and Estuarine Areas - A Challenge for Australians*, pp.84-90. Proceedings of the Fourth Fenner Conference on the Environment, Canberra, 9-11 October 1991.
38. Edyvane K. 1993. An ecosystem-based approach to fisheries management. In, Hancock DA (ed.), *Sustainable Fisheries through Sustainable Fish Habitat*, pp.21-27. Australian Society for Fish Biology Workshop, Victor Harbor, SA, 12-13 August, Bureau of Resource Science Proceedings, AGPS, Canberra.
39. Edyvane K. 1991. The 'assimilative capacity' approach to the management of wastewater discharges to the marine environment. In, *Managing Impacts on the Water Environment in the 1990s*, pp.41-73. Australian Water and Wastewater Association, Adelaide.
40. Edyvane, KS (*in press*). Marine biodiversity and endemism in South Australia. In, *The Unique South: Developing a Marine Conservation Strategy for South Australia*, held at the South Australian Aquatic Sciences Centre, West Beach, Adelaide, South Australia, 4-5 May 1996. South Australian Conservation Council, Adelaide, South Australia.
41. Edyvane K (*in press*). Marine conservation and marine protected areas in South Australia. In: Zann, L (ed), *State of the Marine Environment Report*, Great Barrier Reef Marine Park Authority.

Published Monographs & Reports

42. Edyvane KS. (*in press*). *Guidelines for the Establishment of Marine Protected Areas in the Northern Territory*. Department of Natural Resources, Environment, the Arts and Sport, NT Government.
43. Ward TJ, Edyvane KS, Larson H, Marsh H & R Bustamente (*in press*). *Scientific Design & Implementation Principles for a Network of CAR Marine Protected Areas in the NT*. Department of Natural Resources, Environment, the Arts and Sport, NT Government.
44. Edyvane KS. 2003. *Conservation, Monitoring & Recovery of Threatened Giant Kelp (Macrocystis pyrifera) Beds in Tasmania – Final Report*. Report to Environment Australia (Marine Species Protection Program). Department of Primary Industries, Water & Environment, Tasmania, 178 pp +figs, appendices, maps.
45. DPIWE. 2000. *Tasmanian Marine Protected Areas Strategy: Background Report*. Department of Primary Industries, Water and Environment, Tasmania, 109 pp +figs. [Document prepared by KE, on behalf of DPIWE].
46. Edyvane KS. 1999. *Conserving Marine Biodiversity in South Australia. Part 1. Status Review and Framework for Marine Biodiversity Conservation in South Australia*. South Australian Research and Development Institute, 173 pp +figs.

47. Edyvane KS. 1999. *Conserving Marine Biodiversity in South Australia. Part 2. Identification of Areas of High Conservation Value in South Australia*. South Australian Research and Development Institute, 281 pp. + figs.
48. Lewis R, Edyvane K & N Newland (eds.). 1998. *Description, Use and Management of South Australia's Marine and Estuarine Environments*. Government of South Australia, 250pp.
49. Edyvane K, P Carvalho, K Evans, D Fotheringham, M Kinloch & D McGlennon. 1996. '*Biological Resource Assessment of the Murray Mouth Estuary*'. Final Report to the Department of Environment and Natural Resources for the Australian Nature Conservation Agency. South Australian Research & Development Institute.
50. Edyvane K & P Carvalho (eds.). 1995. '*Proceedings of the Murray Mouth Biological Resource Assessment Workshop*'. South Australian Aquatic Sciences Centre, 28 April 1995.

Unpublished Technical-Consultant Reports

51. Edyvane K, de Carvalho N, Penny S, Fernandes A, de Cunha CB, Amaral JL, Mendes M, Pinto P. 2009. *Conservation Values, Issues and Planning in the Nino Konis Santana Marine Park, Timor Leste – Final Report*. Ministry of Agriculture & Fisheries, Government of Timor Leste.
52. Edyvane KS, McWilliam A, Quintas J, Turner A, Penny S, Teixeira I, Pereira C, Tibirica Y, Birtles A. 2009. *Coastal and Marine Ecotourism Values, Issues and Opportunities on the North Coast of Timor Leste – Final Report*. Ministry of Agriculture & Fisheries, National Directorate of Tourism, Government of Timor Leste.
53. Dethmers K, Chatto R, Meekan M, Amaral A, de Cunha C, de Carvalho N, Edyvane K. 2009. *Marine Megafauna Surveys in Timor Leste: Identifying Opportunities for Potential Ecotourism – Final Report*. Ministry of Agriculture & Fisheries, Government of Timor Leste.
54. Boggs G, Edyvane K, de Carvalho N, Penny S, Rouwenhorst J, Brocklehurst P, Cowie I, Barreto C Amaral, Smit N, Monteiro J, Pinto P, Mau R, Amaral J, Fernandes L. 2009. *Marine and Coastal Habitat Mapping in Timor Leste (North Coast) – Final Report*. Ministry of Agriculture & Fisheries, Government of Timor Leste.
55. Edyvane KS. 2006. Spatial data products to assist regional marine biodiversity conservation and planning in Spencer Gulf, South Australia. Report (and CD-ROM) to Department of Environment & Heritage, South Australia).
56. Edyvane KS. 2003. *Identifying Marine Protected Areas in the South East Marine Region: Zeehan Broad Area of Interest*. Report to Australian Conservation Foundation, Australian Marine Conservation Society, Whale and Dolphin Society. School of Geography & Environmental Studies, University of Tasmania, 15pp.
57. Edyvane KS. 2003. *Identifying Marine Protected Areas in the South East Marine Region: Murray Broad Area of Interest*. Report to Australian Conservation Foundation, Australian Marine Conservation Society, Whale and Dolphin Society. School of Geography & Environmental Studies, University of Tasmania, 14pp.
58. Edyvane KS. 2003. *Identifying Marine Protected Areas in the South East Marine Region: Preliminary Briefing Paper for the Murray Broad Area of Interest*. Report to Australian Conservation Foundation, Australian Marine Conservation Society, Whale and Dolphin Society. School of Geography & Environmental Studies, University of Tasmania, 4pp.
59. Edyvane KS. 2001. *Approaches to planning, establishment and management of Marine Protected Area Systems in Australia*. Development of the Tasmanian Representative System of Marine Protected Areas, Background Report 1. Final Report to Environment Australia (Marine Protected Areas Program). Department of Primary Industries, Water and Environment, Tasmania.
60. Edyvane KS. 2001. *Identification of State and regional priorities for the Tasmanian representative system of Marine Protected Areas (or TRSMPA)*. Development of the Tasmanian Representative System of Marine Protected Areas, Background Report 2. Final Report to Environment Australia (Marine Protected Areas Program). Department of Primary Industries, Water and Environment, Tasmania.

61. Edyvane KS. 2001. *Fisheries production in Tasmanian coastal waters*. Development of the Tasmanian Representative System of Marine Protected Areas, Background Report 3. Final Report to Environment Australia (Marine Protected Areas Program). Department of Primary Industries, Water and Environment, Tasmania.
62. Edyvane KS. 2000. *A Review of Macroalgal Biodiversity and Conservation Research and Management in Australia (Tasks 4 & 5)*. Report to Environment Australia (Endangered Species Program), 55pp.
63. Edyvane KS. 2000. *Environmental Management Review of the Barker Inlet and Port Estuary and Environs*. Report to AGC Woodward-Clyde Pty Ltd and Dames & Moore NRM, 21pp.
64. Edyvane KS, Kirkman H, Crawford C, Pigot S, Butler A & P Bosworth. 2000. *Regional Classification of Tasmanian Coastal Waters (Stage 3): Marine Habitat Mapping – Final Report*. Final Report to Environment Australia (Marine Protected Areas Program). Parks and Wildlife Service Tasmania, Tasmanian Aquaculture and Fisheries Institute and CSIRO Division of Marine Research, 24 pp +figs, appendices, maps.
65. Edyvane KS & N Barrett. 2000. *Tasmanian Marine Protected Areas Strategy (Phase 3) – Final Report*. Final Report to Environment Australia (Marine Protected Areas Program). Parks and Wildlife Service, Tasmania and Tasmanian Aquaculture and Fisheries Institute, 12 pp + figs.
66. Edyvane KS & A Bowering. 1999. *Marine Debris Monitoring in South Australia: A Report on the 1998 Anxious Bay and Robe Beach Litter Surveys*. Final Report to 'FishCare'. South Australian Research & Development Institute (Aquatic Sciences), Henley Beach, South Australia, 20 pp. + figs.
67. Edyvane KS & JL Baker. 1999. *Marine Heritage Values of the St Francis Isles and Investigator Isles, South Australia*. Final Report to the Australian Heritage Commission. South Australian Research & Development Institute (Aquatic Sciences), Henley Beach, South Australia, 36 pp. + figs.
68. Edyvane KS & JL Baker. 1999. *Marine Heritage Values of the Eastern Great Australian Bight, South Australia*. Final Report to the Australian Heritage Commission. South Australian Research & Development Institute (Aquatic Sciences), Henley Beach, South Australia, 42 pp. + figs.
69. Edyvane KS & JL Baker. 1998. *Marine Benthic Survey of the South East Coast (Murray Mouth – Portland)*. Final Report to Environment Australia (Marine Protected Areas Program). South Australian Research & Development Institute (Aquatic Sciences), Henley Beach, South Australia, 42 pp. +
70. Edyvane KS & JL Baker. 1998. *Marine Benthic Survey of the Investigator Strait – Gambier Isles, South Australia*. Final Report to Environment Australia (Marine Protected Areas Program). South Australian Research & Development Institute (Aquatic Sciences), Henley Beach, South Australia, 26 pp. + figs.
71. Edyvane KS. 1997. *Seagrass Loss in Nepean Bay: the Need for Integrated Management*. Report to Primary Industries Kangaroo Island (PIKI) and the KI Integrated Catchment Management Committee (KIICMC). South Australian Research & Development Institute (Aquatic Sciences), Henley Beach, South Australia, 96 pp. + figs.
72. Edyvane KS & GA Andrews. 1996. *Great Australian Bight Marine Park DRAFT Management Plan. Part A. Management Prescriptions*. Report to Department of Environment and Natural Resources and Primary Industries South Australia (Fisheries). South Australian Research & Development Institute (Aquatic Sciences), Henley Beach, South Australia, 16 pp. +
73. Edyvane KS & GA Andrews. 1996. *Great Australian Bight Marine Park DRAFT Management Plan. Part B. Resource Information*. Report to Department of Environment and Natural Resources and Primary Industries South Australia (Fisheries). South Australian Research & Development Institute (Aquatic Sciences), Henley Beach, South Australia, 61 pp. +
74. Edyvane KS & JL Baker. 1996. *Marine Biogeography of Spencer Gulf, South Australia*. Final Report to the Australian Nature Conservation Agency. South Australian Research & Development Institute (Aquatic Sciences), Henley Beach, South Australia, 29 pp. +

75. Edyvane KS & JL Baker. 1996. *Marine Biogeography of Kangaroo Island, South Australia*. Final Report to the Australian Nature Conservation Agency. South Australian Research & Development Institute (Aquatic Sciences), Henley Beach, South Australia, 18 pp. +
76. Edyvane KS. 1996. *Marine Biogeography and Conservation Values of the Gulf St Vincent, Fleurieu Peninsula Region, South Australia*. Technical Report for the Coast Protection Board.
77. Edyvane KS & V Boxall. 1996. *An Investigation of Heavy Metal Contamination in Edible Marine Seafood in the Port Pirie - Telowie Beach Region*. Technical Report, South Australian Research & Development Institute.
78. Edyvane KS, Paxinos R & Clarke SM. 1996. *South East, South Australia: Marine Biogeograph'*. Consultancy Report for Primary Industries South Australia (Aquaculture Unit).
79. Baker JL & KS Edyvane. 1996. *Marine and Coastal Biogeography and Conservation Values of the Encounter Bay Region, South Australia, and Environmental Impacts*. Technical Report for the Department of Housing and Urban Development.
80. Dalgetty A & KS Edyvane. 1996. *Establishment of an Underwater Interpretation Trail in the Port Noarlunga Reef and Onkaparinga Estuary Aquatic Reserve*. Final Report for the Australian Nature Conservation Agency. South Australian Research and Development Institute.
81. Edyvane KS. 1995. *Great Australian Bight Marine Park Proposal*. Report to the Australian Nature Conservation Agency, January 1995. South Australian Research & Development Institute (Aquatic Sciences), Henley Beach, South Australia.
82. Edyvane KS. 1995. *Marine Biogeography and Conservation Values of the Elliston-Venus Bay-Investigator Group Region, South Australia*. Technical Report for Primary Industries South Australia (Fisheries).
83. Edyvane KS. 1995. *Marine Biogeography and Conservation Values of the Spencer Gulf Region, South Australia*. Technical Report for Primary Industries South Australia (Fisheries).
84. Edyvane KS & GA Andrews. 1995. *DRAFT Management Plan - Great Australian Bight Marine Park*. South Australian Research & Development Institute (Aquatic Sciences), Henley Beach, South Australia.
85. Edyvane KS. 1991. *An Introduction to the Taxonomy of Coral Reef Macroalgae and Their Role as Bioindicators of the Effects of Pollution*. Report for ASEAN-Australia Marine Sciences Project: Living Coastal Resources, 54pp.
86. Edyvane KS. 1989. Marine benthic flora of Florence Bay. In, *Marine Habitats of Florence Bay*, edited by TJ Done. Report for Brannock Humphreys, Town Planning Consultants, pp.32-39.

Extension & Popular Communications

87. Edyvane KS. 2004. Selling Our Southern Oceans Short – On Science. *Australasian Science* (Issue No. 10/04).
88. Edyvane KS. 2004. Protecting Australia's Southern Oceans – When Science is Not Enough. *Seeing Red* 2:32-34.
89. Edyvane KS. 2004. Interview with Dr Karen Edyvane. *Eco Voice: The Environment Newspaper* (South Australia), Issue 9 (May:) p.3.
90. Edyvane KS. 2003. Loss of Giant Kelp forests in Tasmania. *Waves*, 9(4), Spring:
91. Edyvane KS. 2001. Where have all the Giant Kelp forests gone ? *Fishing Today* 14(3):32-35.
92. Edyvane KS. 2000. Our neglected southern waters. *Australian Geographic* April-June pp.33.
93. Edyvane KS. 1998. United efforts on the beaches to monitor marine debris. *Southern Fisheries* 6(1):18-19.

94. Edyvane KS. 1996. Fringe Dwellers. Anatomy of the Intertidal Zone. *Southern Fisheries* 4(1):32-35.
95. Edyvane K. 1995. Health Report - the Status of South Australia's Marine Environment. *Southern Fisheries* 3(1):11-13.
96. Edyvane KS. 1995. *Where Forests Meet the Sea...Mangroves in South Australia*. South Australian Research & Development Institute, 44 pp. [Educational Booklet].
97. Edyvane K. 1992. South Australian launch of the 'Ocean Rescue 2000' program. *Safish* 17(1):14.
98. Edyvane K. 1991. Stormwater discharge: its role in heavy metals and eutrophication of mangrove tidal creeks. *Safish* 15(4):4-8.
99. Edyvane K. 1991. Pollution, the death knell of our mangroves? *Safish* 16(1): 4-7.

PROFESSIONAL APPOINTMENTS

2006-present	Arafura-Timor Seas Experts Forum (ATSEF) – Australia (NT Government representative)
2006-present	National, Marine & Coastal Committee (MACC) (reports to NRMSC), MACC Marine Biodiversity Decline Working Group MACC R&D Working Group, MACC Biodiversity Working Group
1993-present	IUCN's World Commission on Protected Areas (WCPA)
1993-present	ANZECC's National Taskforce for Marine Protected Areas (<i>Ministerial Appointment by the Minister for Environment</i>) (1993-96); National Marine Protected Areas Working Group (2006-present)
2006-2008	Intergovernmental Coastal Advisory Group (ICAG)
1993-1996	South Australian Coast Protection Board (1993-96) (<i>Ministerial Appointment by the Minister for Environment</i>)
1993-1999	South Australian Natural Areas Selection Panel for the Australian Heritage Commission

REFEREES

Professor Jamie Kirkpatrick
School of Geography & Environmental Studies
University of Tasmania
Tel: 61 3 6226 2582
Email: J.Kirkpatrick@utas.edu.au

Dr Ian Poiner
Chief Executive
Australian Institute of Marine Science
Tel: 61 7 4753 4478; 61 419 702 652
Email: i.poiner@aims.gov.au

Dr Keith Sainsbury
Principal Research Scientist
CSIRO Marine Research
Tel: 61 3 6124 4901; 61 417 308 480
Email: ksainsbury@netspace.net.au

Dr Trevor Ward
Greenward Consulting
Marine Ecosystems and Biodiversity
Tel: 61 8 9387 2866; 61 419 902 571

Email: tjward@bigpond.net.au