

Curriculum Vitae

Jon C. Day PSM



Currently a post-career PhD candidate in the
ARC Centre of Excellence for Coral Reef Studies,
James Cook University, Australia

Email: jon.day@my.jcu.edu.au

Website: <https://www.coralcoe.org.au/person/jon-day>

Phone: +61 (0)7 4781 6058 (JCU)

Mobile: +61 (0)419 404 167

Graduated with an Honours degree in natural resource
management in 1975 - Bachelor of Natural Resources (Hons) -
University of New England, Armidale, NSW

1. PROFESSIONAL POSITIONS (1975-2014)	p. 2
2. PEER-REVIEWED JOURNAL PUBLICATIONS – MARINE & WORLD HERITAGE RELATED	p. 2
3. BOOKS AND BOOK CHAPTERS	p. 4
4. TECHNICAL REPORTS (available on-line).....	p. 6
5. ON-LINE PUBLICATIONS ('GREY LITERATURE') – MARINE & WORLD HERITAGE RELATED	p. 6
6. PUBLICATIONS RELATING TO TERRESTRIAL PROTECTED AREAS (1974 -1985)	p. 7
7. OTHER WORLD HERITAGE RELATED PUBLICATIONS <i>(as the primary author)</i>	p. 7
8. CAREER HIGHLIGHTS	p. 8
9. MAJOR AWARDS	p. 8
10. ADVISORY POSITIONS (Committees, etc)	p. 8
11. PROVISION OF OVERSEAS TRAINING/ADVICE	p. 9
12. MISCELLANEOUS SKILLS/EXPERIENCE	p. 9
13. PhD CANDIDATURE (2014 - present)	p. 10

[Research Gate](#) profile

[Google Scholar](#) profile

[Version: September 2019]

1. PROFESSIONAL POSITIONS (1975-2014):

Agency/location	Year(s)	Duration	Position
Great Barrier Reef Marine Park Authority (GBRMPA)	2014	7 months	Director, Heritage Conservation, GBRMPA
	2012-14	2 years	Director, Planning, Heritage and Sustainable Funding
	2011	6 months	A/g General Manager, Marine Park Management Branch, GBRMPA
	2008-12	2.3 years	Director, Ecosystem Conservation and Sustainable Use
	2007-08	1.3 years	Director, Outlook Report Taskforce, GBRMPA
	2004-07	2.5 years	Director, Conservation, Heritage & Indigenous Partnerships, GBRMPA
	1998-2004	6 years	Director, Conservation, Biodiversity and World Heritage, GBRMPA
WWF Canada, Parks Canada	1997-98	11 months	Marine/ Coastal Consultant in Canada
Queensland Parks & Wildlife Service, Townsville	1992-97	5.3 years	Regional Manager (Marine/Coastal Management), QPWS
	1990-92	1.9 years	Area Manager (Burdekin Area), QPWS
GBRMPA	1986-90	4 years	Park Management/Planning Officer
Northern Territory (CCNT)	1985-86	7 months	Project Officer/Project Coordinator, Conservation Commission of Northern Territory
Victorian National Parks Service (VNPS)	1984-85	1.7 years	Project Coordinator/Planning Officer, Grampians National Park
Northern Territory (ANPWS)	1980-84	4 years	Park Ranger, Fire Management Officer & Acting District Supervisor, Kakadu National Park
Victorian National Parks Service (VNPS)	1980	5 months	Planning Officer, National Parks Service,
	1978-79	1.4 years	Research Officer (North West Fire Study), National Parks Service
	1977-78	11 months	Research Officer, Land Conservation Council
	1975-77	2.3 years	Area Investigations Officer & Research Liaison Officer, National Parks Service

2. PEER-REVIEWED JOURNAL PUBLICATIONS – MARINE or WORLD HERITAGE RELATED

1. **Day, JC** (1995) 'Skills and Training for Conservation Staff', in *RANGER - A Journal for Conservation Managers*, No. 30, Summer 1995, pp 12-13, Australian Nature Conservation Agency ISSN 1322-0136
2. **Day, JC** (2002) Zoning – Lessons from the Great Barrier Reef Marine Park, in *Ocean & Coastal Management* 45 (139-156) [Link to abstract or preview](#)
3. Agardy T, Bridgewater P, Crosby M, **Day JC**, Dayton P, Kenchington RA, Laffoley D, McConney P, Murray P, Parks JE, Peau L (2003). Dangerous Targets? Unresolved Issues and Ideological Clashes around Marine Protected Areas, in *Aquatic Conservation: Marine and Freshwater Ecosystems* [online 2003] [Link to abstract or preview](#)
4. Lewis A, Slegers S, Lowe D, Muller L, Fernandes L, **Day JC** (2003). Use of Spatial Analysis and GIS techniques to re-zone the Great Barrier Reef Marine Park. Coastal GIS Workshop, July 7-8 2003, University of Wollongong, Australia. [Link to full text](#)
5. **Day JC**, Fernandes L, Lewis A, Innes J (2004) RAP – An Ecosystem Level Approach To Biodiversity Protection Planning. Paper in Proc. International Tropical Marine Ecosystem Management Symposium (ITMEMS), Manila, Philippines, March 2003. [Link to full text or pdf](#)

6. **Day JC** (2004) Monitoring and Reporting in Natural World Heritage Areas: a World Heritage Manager's perspective. In *Monitoring World Heritage*. Proc of a Workshop in Vicenza, Italy, Nov 2002. *World Heritage Papers* **10**. [Link to full text or pdf](#)
7. Wells S & **Day JC** (2004) Application of the IUCN protected area management categories in the marine environment" in *Parks*, Vol 14 (3) IUCN, Gland
8. Fernandes, L, **Day JC**, Lewis A, Slegers S, Kerrigan B, Breen D, Cameron D, *et al.* (2005). Establishing Representative No-Take Areas in the Great Barrier Reef: Large-Scale Implementation of Theory on Marine Protected Areas. *Conservation Biology*, Vol. 19, No. 6 (December 2005), pp. 1733-1744 [Link to abstract or preview](#)
9. Crowder L, Osherenko G, Young O, Airame S, Norse E, Baron N, **Day JC**, *et al.* (2006) Resolving Mismatches in US Ocean Governance, Policy Forum in *SCIENCE* (Vol 313) August 2006 [Link to abstract or preview](#)
10. Young O, Osherenko G, Ekstrom J, Crowder L, Ogden J, Wilson J, **Day JC**, *et al.* (2007) Solving the Crisis in Ocean Governance: Place-based Management in Marine Ecosystems, *Environment* Vol 49 (4):20-32, May 2007 [Link to abstract or preview](#)
11. **Day, JC** (2008) The need and practice of monitoring, evaluating and adapting marine planning and management - lessons from the Great Barrier Reef, *Marine Policy* 32, pp. 823– 831 [Link to full text or pdf](#)
12. McCook L, Almany G, Berumen M, **Day JC**, Green A, Jones G, *et al.* (2008). Management under uncertainty: guide-lines for incorporating connectivity into the protection of coral reefs. *Coral Reefs*, DOI 10.1007/s00338-008-0463-7 [Link to abstract or preview](#)
13. Fernandes, L, **JC Day**, B Kerrigan, D Breen, G De'ath, B Mapstone, *et al.* (2009) A process to design a network of marine no-take areas: Lessons from the Great Barrier Reef. In *Ocean & Coastal Management*, 52, pp. 439–447, DOI10.1016/j.ocecoaman.2009.06.004 [Link to abstract or preview](#)
14. Osmond M, Airame S, **Day JC**, Caldwell M (2010) Lessons for Marine Spatial Planning: A comparison of three Marine Protected Area processes. In *Ocean & Coastal Management*. 53 (2): 41-51. DOI: 10.1016/j.ocecoaman.2010.01.002 [Link to abstract or preview](#)
15. Fernandes L, Dobbs K, **Day JC** & Slegers S (2010) Identifying biologically and physically special or unique sites for inclusion in the protected area design for the Great Barrier Reef Marine Park. In *Ocean & Coastal Management*. 53 (2): 80-88 [Link to full text or pdf](#)
16. Dobbs K, **Day JC**, Skeat H, Baldwin J, Molloy F, McCook L, *et al* (2010) Developing a long-term outlook for the Great Barrier Reef, Australia: A framework for adaptive management reporting underpinning an ecosystem-based management approach. *Marine Policy* DOI:10.1016/j.marpol.2010.10.007 [Link to abstract or preview](#)
17. Kenchington RA & **Day JC** (2011) Zoning, a fundamental cornerstone of effective Marine Spatial Planning: lessons learnt from the Great Barrier Reef, Australia. *J. Coastal Conservation*, Vol. 15 (2), p. 271. DOI: 10.1007/s11852-0110147-2 [Link to full text or pdf](#)
18. **Day JC** & Dobbs K (2013). Effective governance of a large and complex cross-jurisdictional marine protected area: Australia's Great Barrier Reef. In *Marine Policy* **41**, 14-24 – doi:10.1016/j.marpol.2012.12.020 [Link to abstract or preview](#)
19. Pressey R, Mills M, Weeks R & **Day JC** (2013) The plan of the day: Managing the dynamic transition from regional conservation designs to local conservation actions. In *Biological Conservation* **166**: 155-169 [Link to abstract or preview](#)
20. Grorud-Colvert K, Claudet J, Tissot BN, Caselle JE, Carr MH, **Day JC**, *et al.* (2014). Marine protected area networks: Assessing whether the whole is greater than the sum of its parts. *PLoS ONE* **9**(8): e102298, DOI:10.1371/journal.pone.0102298 [Link to abstract or preview](#)
21. Laffoley D, **Day JC**, Moore E, Lefebvre C, Simard F (2014) An introduction to the International Marine Protected Area Congress series. *Aquatic Conservation: Marine and Freshwater Ecosystems* **24** (S2), 6-7 [Link to abstract or preview](#)
22. Hughes TP, Brodie J, **Day JC** (2015), Securing the Future of the Great Barrier Reef, In *Nature Climate Change*. On-line April 2015; DOI: 10.1038/nclimate2604 [Link to abstract or preview](#)

23. Grech A, Pressey RL & **Day JC** (2015) Coal, Cumulative Impacts, and the Great Barrier Reef. *Conservation Letters*, 2015, 00(0), 1–8 [Link to abstract or preview](#)
24. Hughes TP, Cameron DS, Chin A, Connolly SR, **Day JC**, Jones GP, McCook L, McGinnity P, Mumby PJ, Pears RJ, Pressey RL, Russ GR, Tanzer J, Tobin A and Young MAL (2016) A critique of claims for negative impacts of Marine Protected Areas on fisheries. *Ecological Applications*, **26**(2): 637–641.
25. Agardy T, Claudet J & **Day JC** (2016) ‘Dangerous Targets’ revisited: Old dangers in new contexts plague marine protected areas. *Aquatic Conservation: Marine and Freshwater Ecosystems* (Suppl. 2): 7-23 (2016) [Link to full article](#)
26. N Dudley, **Day JC**, D Laffoley, M Hockings and S Stolton (2016) Defining marine protected areas: A response to Horta e Costa et al. *Marine Policy* **77**: 191–192. doi:10.1016/j.marpol.2016.11.024
27. Nicoll, R and **Day, JC.** (2017) Correct application of the IUCN protected area management categories to the CCAMLR Convention Area. *Marine Policy* **77**: 9–12
28. Bennett, Teh, Ota, Christie, Ayers, **Day**, Franks, Gill, *et al* (2017). An appeal for a code of conduct for marine conservation. *Marine Policy* **81**: 411–418
29. **Day JC** (2017) How effective is the management of the Great Barrier Reef? *ICES Journal of Marine Science* (2017) doi:10.1093/icesjms/fsx095
30. Christie, P, Bennet NJ, Gray N, Wilhelm A, Lewis, N, Parks J, Ban NC, Gruby, R, Gordon L, **Day JC**, Tai S, and Friedlander A. (2017) Why people matter in ocean governance: Incorporating human dimensions into large-scale marine protected areas. *Marine Policy* **84**:273-284.
31. **Day JC** (2017) Effective Public Participation is Fundamental for Marine Conservation—Lessons from a Large-Scale MPA. *Coastal Management* **45** (6): 1-17.
32. Gray NJ, Bennett NJ, **Day JC**, Gruby RL, Wilhelm TA and Christie P (2017). Human Dimensions of Large-scale Marine Protected Areas: Advancing Research and Practice. *Coastal Management* **45**(6):407-415
33. Richards, Z and **Day JC** (2018) Biodiversity of the Great Barrier Reef – how adequately is it protected? *PeerJ* **6**:e4747; DOI 10.7717/peerj.4747.
34. Dudley, Hockings, Stolton, Amend, Badola, Bianco, Chetri, Cook, **Day**, Dearden, et al. (2018). Priorities for protected area research. *PARKS* **24**(1) DOI: 10.2305/IUCN.CH.2018.PARKS-24-1ND.en
35. Alvarez-Romero, Mills, Adams, Gurney, Pressey, **Day**, Hamel, Leslie, Magris & Storrie (2018). Research advances and gaps in marine planning: towards a global database in systematic conservation planning. *Biological Conservation* **228** (pre-print).
36. Saunders, F., Gilek, M., **Day, J.**, Hassler, B., McCann, J., & Smythe, T. (2019). Examining the role of integration in marine spatial planning: Towards an analytical framework to understand challenges in diverse settings. *Ocean and Coastal Management*, 169.
37. **Day**, Kenchington, Tanzer & Cameron (2019). Marine zoning revisited: how decades of zoning the Great Barrier Reef has evolved as an effective spatial planning approach for marine ecosystem-based management. *Aquatic Conservation*.

3. **BOOKS AND BOOK CHAPTERS**

1. **Day, JC**, Roff, JC & Laughren, J. (2000) Planning for Representative Marine Protected Areas: A Framework for Canada's Oceans, WWF Canada, 2000, 147 pp [Link to full text or pdf](#)
2. **Day, JC** (2002) Marine Park Management and Monitoring - Lessons for Adaptive Management from the Great Barrier Reef. Chapter 7.3 in *Managing Protected Areas in a Changing World*. (Eds.) Soren Bondrup-Nielsen, Munro, Nelson, Willison, Herman and Eagles. Proceedings of 4th International Conf. of the Science & Management of Protected Areas, May 2000, Waterloo, Wolfville, Canada. [Link to full text or pdf](#)
3. **Day, JC** (2006) Marine Protected Areas. Chapter 23 in *Managing protected areas: a global guide*, Lockwood, M., Worboys, G., Kothari, A. (eds). Earthscan, London
4. **Day, JC**, J Senior, S Monk and W Neal, Editors. (2007) First International Marine Protected Areas Congress, 23-27 October 2005, Conference Proceedings: IMPAC1 2005, Geelong, Victoria, Australia. 665 pp. [Link to full text or pdf](#)
5. IUCN -WCPA (2008) Establishing Marine Protected Area Networks – Making it Happen. IUCN- WCPA, NOAA and The Nature Conservancy. 118 pp (JCD = one of 10 authors acknowledged inside the book)
6. **Day, JC** (2008) Planning and Managing the Great Barrier Reef Marine Park. Chapter 12 in *The Great Barrier Reef – Biology, Environment and Management*, Hutchings, Kingsford and Hoegh-Gulberg (Eds.), pp. 114-121, CSIRO and Springer [Link to abstract or preview](#)
7. **Day, JC** (2011) Conservation and Marine Protection Areas. Chapter 57 in Hopley (Ed.) *Encyclopaedia of Modern Coral Reefs*, pp. 230-236, Encyclopaedia of Earth Sciences Series, Springer, DOI: 10.1007/978-90-481-2639-2 [Link to abstract or preview](#)
8. Grorud-Colvert, K., Claudet J, Carr M, Caselle J, **Day** JC, Friedlander A, Lester S, Lison de Loma T, Tissot B and D Malone (2011). Networks - The assessment of marine reserve networks: guidelines for ecological evaluation. Chapter 11 in *Marine Protected Areas - A Multidisciplinary Approach*, (Ed.) Joachim Claudet. Cambridge Uni Press [Link to abstract or preview](#)
9. **Day** JC, Dudley N, Hockings M, Holmes G, Laffoley D, Stolton S and S. Wells (2012). Guidelines for applying the IUCN Protected Area Management Categories to Marine Protected Areas. International Union for Conservation of Nature and Natural Resources (IUCN), Gland, Switzerland, 36 pp. [Link to full text or pdf](#)
10. **Day, JC**, Wren, E. and Vohland, K. (2012). Community engagement in safeguarding the world's largest reef: Great Barrier Reef, Australia. Chapter 2 in *World Heritage: Benefits Beyond Borders*, A. Galla (ed.), Paris/Cambridge, UK, UNESCO/Cambridge University Press, pp. 18-29 [Link to abstract or preview](#)
11. **Day, JC** (2013). Operationalising the Outstanding Universal Value of the Great Barrier Reef World Heritage Area: addressing some challenges raised by the WH Committee. In *Keeping the Outstanding Exceptional: the Future of World Heritage in Australia* (Eds.) Figgis, Leverington, Mackay, Maclean and Valentine, pp. 118-27. Australian Committee for IUCN, Sydney [Link to full text or pdf](#)
12. **Day, JC**, Laffoley, D. and Zischka, K. (2015) Marine Protected Area Management. Chapter 20 in *Protected Area Governance and Management* (Eds) Worboys, Lockwood, Kothari, Feary, and Pulsford (2015), pp. 609-650. Australian National University Press, Canberra. [Link to full text or pdf](#)
13. **Day, JC** (2015) Marine Spatial Planning (MSP) – one of the fundamental tools to help achieve effective marine conservation in the Great Barrier Reef. Chapter 6 in *Marine Spatial Planning and International law: A Transboundary Perspective*, Hassan, Kuokkanen and Soinen (Eds). Earthscan, Routledge [Link to abstract or preview](#)
14. **Day, JC** (2016) The Great Barrier Reef Marine Park - the grandfather of modern MPAs. Chapter 5 in *Big, Bold and Beautiful - Australia's MPAs*, (Eds) Wescott and Fitzsimmons, published by CSIRO Press
15. Lewis, N, **Day** JC, Wilhelm, A, Wagner, D, Gaymer, C, Park, J, Friedlander, et al. (2017). Large-scale Marine Protected Areas: Guidelines for Design and Management. BPG No. 26. 148 pp. IUCN, Gland, Switzerland. Available at <https://portals.iucn.org/library/sites/library/files/documents/PAG-026.pdf>
16. Laffoley, Baxter, **Day**, Wenzel, et al (2018). *Marine Protected Areas*. Chapter 29 in book, Sheppard, C

(Ed). 'World Seas and Environmental Evaluation' 2nd Edition. Volume III: Ecological Issues and Environmental Impacts, Academic Press.

17. Pratchett, Bridge, Brodie, Cameron, **Day**, Emslie, Grech, *et al.* (2018). *Australia's Great Barrier Reef*. Chapter 15 in book, Sheppard, C (Ed). 'World Seas and Environmental Evaluation' 2nd Edition. Volume II: The Indian Ocean to the Pacific, Academic Press.
18. **Day, JC** (2019). Planning and managing the Great Barrier Reef Marine Park. . Chapter 14 in *The Great Barrier Reef – Biology, Environment and Management (2nd edition)*, Hutchings, Kingsford and Hoegh-Gulberg (Eds.), CSIRO and Springer
19. Brodie, Wenger, Morrison, Pressey, **Day**, Dale & Grech (2019). The future of the Great Barrier Reef: The water quality imperative. Chapter in book: *Coasts and Estuaries. The future.* Elsevier
20. **Day, JC**, Heron SF, Markham A, Downes J, Gibson J, Hyslop E, Jones RH and Lyall A (2019). *Climate Risk Assessment for Heart of Neolithic Orkney World Heritage property: An application of the Climate Vulnerability Index*. 88 pages. Historic Environment Scotland, Edinburgh. [Link to full text or pdf](#)

My contributions (effectively as a book or chapter 'co-author') have also been formally acknowledged by the authors in the following books:

21. Agardy, Tundi (2010) '*Ocean Zoning: Making Marine Management More Effective*'. Publisher: Earthscan, ISBN: 978 1 84407 8226 (see acknowledgements p. xi and [p. 72](#)):
22. Roff, John and Zacharias, Mark (2011) '*Marine Conservation Ecology*' Earthscan, London. ISBN: 978 1 84407 8837 (see title page and acknowledgements p. xviii) <http://www.publish.csiro.au/pid/6958.htm>

4. **TECHNICAL REPORTS** (available on-line)

1. Heron, SF, CM Eakin, F Douvère, K Anderson, **JC Day**, E Geiger, *et al* (2017). [Impacts of Climate Change on World Heritage Coral Reefs: A first scientific assessment](#). UNESCO World Heritage Centre, Paris.
2. IUCN Marine Mammal Protected Areas Task Force. (2017). Working to Implement Important Marine Mammal Areas (IMMAs) in the Republic of Palau, 30th Oct. – 6th Nov. 2017. Unpublished report. 32 pp. Available at <file:///C:/Users/jc262958/Downloads/Palau%20IMMA%20Report%2020171209.pdf>
3. Heron, Van Hooedonk, Maynard, Anderson, **Day**, Geiger, *et al.* (2018). Impacts of Climate Change on World Heritage Coral Reefs: Update to the First Global Scientific Assessment. Published on-line UNESCO WH Marine page.
4. Johnson, Welch, Marshall, **Day**, Marshall, Steinberg, Benthuyssen, *et al.* (2018) Characterising the values and connectivity of the northeast Australia seascape: Great Barrier Reef, Torres Strait, Coral Sea and Great Sandy Strait. Report to the National Environmental Science Program. Reef and Rainforest Research Centre Ltd, Cairns (81pp). https://www.researchgate.net/publication/329444251_Characterising_the_values_and_connectivity_of_the_northeast_Australia_seascape_Great_Barrier_Reef_Torres_Strait_Coral_Sea_and_Great_Sandy_Strait [accessed Feb 20th 2019].

5. **ON-LINE PUBLICATIONS ('GREY LITERATURE') – MARINE and WORLD HERITAGE RELATED**

1. **Day, JC** (2011) 'Protecting Australia's Great Barrier Reef'. *Solutions for a Sustainable and Desirable Future*, Jan-Feb 2011, Vol. 2 (1):56- 66. [Link to full text or pdf](#)
2. **Day JC**, Pressey B, Brodie J & Hughes TP (2014). The plan to save the Great Barrier Reef is destined to fail unless ... *The Conversation*, 28 October 2014 [Link to full text or pdf](#)
3. Pressey B, Grech, A, Brodie J & **Day, JC** (2015). Six things Queensland's next government must do to save the Great Barrier Reef. *The Conversation*, 19 January 2015 [Link to full text or pdf](#)
4. **Day JC**, (2015). Six ways Australia is selectively reporting to the UN on the Great Barrier Reef *The Conversation*, 5 February 2015 [Link to full text or pdf](#)
5. **Day JC** & Hughes TP (2015). Is Australia meeting the UN recommendations for the Great Barrier Reef?

The Conversation, 30 March 2015 [Link to full text or pdf](#)

6. Pressey B, Grech, A, **Day JC** & Sheaves, M (2015). Development and the Reef: the rules have been lax for too long. *The Conversation*, 29 May 2015 [Link to full text or pdf](#)
7. **Day JC**, (2015). The Barrier Reef is not listed as in danger, but the threats remain. *The Conversation*, 30 May 2015 [Link to full text or pdf](#)
8. **Day JC**, (2015). Not out of hot water yet: what the world thinks about the Great Barrier Reef. *The Conversation*, 17 July 2015 [Link to full text or pdf](#)
9. **Day JC**, (2016). Great Barrier Reef bleaching stats are bad enough without media misreporting. *The Conversation*, 26 April 2016 [Link to full text or pdf](#)
10. **Day JC**, (2016). Does tourism really suffer at sites listed as World Heritage In Danger? *The Conversation*, 10 June 2016 [Link to full text or pdf](#)
11. **Day JC**, (2016). *Blue Solutions* (four solutions published to date, each comprising six building blocks):
 - [Effective zoning as a key spatial planning/management tool](#)
 - [Sound legislative/governance framework for spatial planning and management](#)
 - [Public participation to strengthen and legitimize planning processes](#)
 - [Coordinated multi-layered management for implementation of MSP across the GBR](#)
12. **Day JC**, Grech, A and Brodie J (2016) Great Barrier Reef needs far more help than Australia claims in its latest report to UNESCO, *The Conversation*, 6 Dec 2016 [Link to full text or pdf](#)
13. **Day, JC** (2017) 'Perspective: When is fishing allowed in an MPA?'. *MPA News*, May 2017, Vol. 18 (8) [Link to full text or pdf](#)
14. **Day, JC** (2017) 'The UN is slowly warming to the task of protecting World Heritage sites from climate change', *The Conversation*, 11 July 2017 [Link to full text or pdf](#)
15. Fraser, Sequeira, Burns, Walker, **Day**, and Heron (2019) 'Shark Bay: A World Heritage Site at catastrophic risk', *The Conversation*, 7 February 2019 [Link to full text or pdf](#)
16. Heron SF and **Day, JC** (2019) 'From Shark Bay seagrass to Stone Age Scotland, we can now assess climate risks to World Heritage', *The Conversation*, 3 July 2019 [Link to full text or pdf](#)
17. **Day, JC** and Heron SF (2019) 'The Great Barrier Reef is in trouble. There are a whopping 45 reasons why', *The Conversation*, 12 September 2019 [Link to full text or pdf](#)

6. PUBLICATIONS SPECIFICALLY RELATING TO TERRESTRIAL PROTECTED AREAS (1974- 1985)

In addition to the marine-focused publications above, an additional 17 publications (both peer-reviewed and unpublished) relating to terrestrial protected area management were produced between 1974-1985:

1. **Day, JC** (1974). Some Experimental Aspects of an Aerial Prescribed Burn. Unpub. Honours Thesis, Uni. of New England.
2. Cheal, P.D., **Day, JC** and Meredith, C.W. (1979). Fire in the National Parks of North-West Victoria. National Parks Service, Victoria 219 pp + maps.
3. National Parks and Wildlife Service, Tasmania (1981). Parks and Reserves Learning Packages 1-3, Park Ranger's Certificate Course, Tasmania.
4. National Parks Service (1981). Interim Management Plan for Hattah-Kulkyne National Park and Murray-Kulkyne Park, N P S Victoria 94 pp + 6 maps.
5. **Day, JC** (1981). Fire History and Fire Records in Fire Ecology in Semi-Arid Lands, (Eds. Heislors, Lynch and Walters) Proceedings of Workshop, Mildura, May 1981, CSIRO Div. Land Res. Management.
6. **Day, JC** (1983a). Basic Fire Training Manual, Kakadu National Park, Unpublished report, Australian National Parks and Wildlife Service, 56 pp.
7. **Day, JC** (1983b). Recent Fire Histories of the C.S.I.R.O. Fauna Survey Sites. Unpublished report, Kakadu National Park, 5 pp + 13 maps.
8. **Day, JC** (1983c). Operations Manual for Aerial Ignition by Helicopter using the 'Mayfire' Incendiary Machine, Unpublished report, Australian National Parks and Wildlife Service, 35 pp.
9. **Day, JC** (1984). The Value of Landsat Imagery for Fire Management in Kakadu National Park, summarized in Proc. 3rd Australian Remote Sensing Conference, May 1984.
10. **Day, JC**, McGregor, G. and Johnstone, P.D. (1984). Grampians National Park: Inventory of Resources and Uses, National Parks Service, Victoria 136 pp.
11. **Day, JC** (1985a). Applications of Satellite Imagery for Fire Management in Kakadu National Park, in *Towards an Expert System for Fire Management in Kakadu* (Eds. Walker, Davis and Gill) CSIRO Land and Water Resources Tech. Memo 85/2.
12. **Day, JC** (1985b). Wet Season Burning for Fire Management - some preliminary observations, in *Towards an Expert System for Fire Management in Kakadu* (see above).
13. **Day, JC** (1985c). Remote Sensing - A Tool for Park Planning and Management, in *Remote Sensing for Resource Management*, (Ed. Turner, A.) Symposium Uni. Melb. April 1985, Agr. Eng. Report No. 74/85.
14. **Day, JC** (1985d). Vegetation Mapping of Grampians National Park using an Airborne Multispectral Scanner. Unpublished report, National Parks Service, Victoria, 7 pp + figures.
15. Bailey, B., **Day, JC** and Duggan, K.D. (1985). Wet Season Burning for Fire Management in Kakadu National Park: A preliminary study. Unpublished report, ANPWS.
16. National Parks Service (1985a). *Grampians National Park - Draft Management Plan*, National Parks Service, Victoria, 190 pp.
17. National Parks Service (1985b). *Grampians National Park - Plan for Management*, National Parks Service, Victoria, 214 pp.

7. OTHER WORLD HERITAGE RELATED PUBLICATIONS (for which I was the primary author)

1. GBRMPA (2002) *The Great Barrier Reef World Heritage Area: Framework for management*, Report to the World Heritage Committee, 21 pp.
2. State Party Report on the state of conservation of the GBR World Heritage Area (Australia) 2012
[Link to report](#)
3. State Party Report on the state of conservation of the GBR World Heritage Area (Australia) 2013
[Link to report](#)

8. **PROFESSIONAL CAREER HIGHLIGHTS:** (*not in chronological order*)

- GBRMPA Director responsible for commencing and coordinating the **Representative Areas Program** (RAP, the major rezoning of Great Barrier Reef, 1999-2004) - a widely regarded process that has received over a dozen national and international awards
- Member of a small international expert working group tasked with revising the **Periodic Reporting process for all World Heritage** (WH) properties (2005-2008); the revised format has now been applied in all five WH 'regions' of the globe;
- GBRMPA Director responsible for setting up the first **GBR Outlook Report Taskforce**, and developing the approach used for assessing management effectiveness in GBR (the approach has now been used in subsequent Outlook Reports, the GBR Strategic Assessment and applied in the IUCN World Heritage Outlook Report)
- Developed a methodology for improving understanding of, and reporting, **Outstanding Universal Value** – this approach has been supported by IUCN and is being applied by a number of WH properties around the world (e.g. Tubbataha WHA (Philippines), Belize Barrier Reef WHA and several properties in Australia);
- Primary author for the IUCN '*Guidelines for applying the IUCN Protected Area Management Categories to Marine Protected Areas*'
- Primary or major author for various other IUCN global publications; namely:
 - Day, Laffoley, & Zischka (2015) **Marine Protected Area Management**. Chapter 20 in *Protected Area Governance and Management* (Eds) Worboys, Lockwood, Kothari, Feary & Pulsford (2015)
 - Lewis, Day, Wilhelm, Wagner, Gaymer, Park, Friedlander, et al. (2017). **Large-scale Marine Protected Areas: Guidelines for Design and Management**. BPG No. 26. 148 pp. IUCN.
- Program Coordinator for the **first IMPAC conference** (IMPAC1 - a major international MPA congress in Geelong, Oct 2005) and co-editor of the conference proceedings; this conference series has now become firmly established on the international MPA calendar every four years, with IMPAC4 occurring in 2017.
- **Member, UNESCO World Heritage Committee** (one of three Australians appointed to the formal Australian delegation to the Committee for the period 2007-2011)
- Planning Officer responsible for **Cairns Section rezoning**, GBRMP 1988-90 (introduced numerous planning changes which have since been incorporated into wider GBR planning)
- Project Coordinator for **Grampians Planning Team**, Victoria, 1984-85 (this was, at the time, the largest and most complex park planning program ever undertaken in Victoria)
- Co-developer (with Scott Heron at JCU) of the **Climate Vulnerability Index (CVI)** – a rapid assessment tool for all types of World Heritage properties; the CVI is distinct from other vulnerability assessments in that it evaluates OUV Vulnerability and Community Vulnerability (see <https://cvi-heritage.org/>)

9. **MAJOR AWARDS**

- [Australian Public Service Medal](#) (PSM) - 2004 ("*For outstanding public service in the development and implementation of the Great Barrier Reef Marine Park Representative Areas Program*")
- [Smithsonian/Queensland Fellowship](#) - 2004 (3.5 months overseas in central and North America)

10. **ADVISORY POSITIONS** (Committees, etc.)

- Founding member of International Steering Committee for the IMPAC Congress series (2005-present)
- Appointed as a formal member of Australia's delegation to the World Heritage Committee (2007-2011)
- Founding Director of the Virginia Chadwick Memorial Foundation (2008-2018)
- Committee member assessing applications for the Australian Academy of Science for *Max Day Environmental Science Fellowship Awards* (2016 - present)

- Appointed member of the Global Ocean Refuge System (GLORES) Science Council (2017- present) <https://globaloceanrefuge.org/about/people/>
- Appointed as an adviser to IUCN Marine Mammal Protected Areas Task Force (2017- present)
- Appointed member of Australian Expert Assessment Group (EAGL) for the IUCN Green List (2017- present)
- Appointed member of IUCN Protected Areas Climate Change Steering Group (2018- present)
- Appointed a member of GBRMPA's Townsville Local Marine Advisory Committee (LMAC) (2018- present)

11. **PROVISION OF OVERSEAS TRAINING/ADVICE** (training courses, consultancies, workshops etc.)

- Developed and ran 2-day training courses for Parks Canada (1998) and in Sweden (2007) on MPA planning and management
- During my Queensland-Smithsonian Fellowship, I ran MPA training courses in Panama City, Colombia, Coiba, Belize and Florida (Oct-Nov 2005)
- Developed and ran one-week training course on MSP/zoning for Galapagos Islands (Jan 2015)
- Major participant in a workshop for planning the Cook Islands EEZ (Feb 2016)
- Workshop for marine mammal conservation in Palau in Oct 2017 (see Technical Report #4.2 above)
- Worked with GIZ India to develop guidelines for assessing management effectiveness in coastal/MPAs; this involved two in-country workshops and preparation of a MEE framework (40pp) and guidance document (100 pp)
- My expertise in MSP/zoning, marine park planning and management, and World Heritage, is widely acknowledged, which has resulted in the following:
 - Invited to present to agencies/NGOs in numerous overseas countries
 - Invited to present at numerous conferences, workshops, specialist groups
 - Delivered numerous lectures to university students (esp. at JCU and UQ but also overseas)
- Consultancy for Mikisew Cree and Parks Canada regarding Wood Buffalo Nation Park (WBNP) World Heritage Area; this consultancy required production of three outputs:
 - i. Independent desk-top review of the Draft Action Plan for WBNP (identifying areas for improvement to support effective implementation of the plan)
 - ii. Final review of the revised Action Plan
 - iii. Report '**Recommendations for Effective Governance for WBNP**' (provision of governance model options to aid effective implementation of the WBNP Action Plan); Jan 2019; 23 pp. (incl eight appendices)

12. **MISCELLANEOUS SKILLS/EXPERIENCE**

- Convened a workshop on understanding World Heritage 'Outstanding Universal Value' at World Conservation Congress, Hawaii, Sept 2016
- Assisted agencies and NGOs to assess World Heritage values across many WH sites
- Co-presented (with Lawrence McCook) to JCU students 'Careers in Environmental protection'
- Adviser to Australian Marine Conservation Society for World Heritage meetings during Europe trip (Paris and Gland, Jan 2017), Bahrain (2018) and Baku (2019)

- Media – undertaken various radio and print-media interviews (examples available if required)
- Assisted in drafting various submissions (e.g. NGOs, Aust Academy of Science)
- Member of consortium for NESP project - *Values of the northeast Australia 'seascape': Connectivity and inter-dependencies between the Great Barrier Reef, Torres Strait, Coral Sea and Great Sandy Strait*
- Developed a concept with two Australian colleagues (Scott Heron, Imogen Zethoven) for a Climate Vulnerability Index to rapidly assess CC impacts for World Heritage properties (presented in Bahrain 2018 and Baku, 2019 and supported by IUCN, ICOMOS and ICCROM)

13. **PHD CANDIDATURE** (at ARC Centre for Coral Reef Studies, James Cook Uni, 2014 - present)

Tentative Title: *Planning and managing the Great Barrier Reef – lessons learned from the GBR and implications for marine protected areas elsewhere*

Outline of PhD:

The Great Barrier Reef (GBR) Marine Park is today regarded by many practitioners and academics alike, as one of the more effectively planned and managed marine protected areas (MPAs) in the world (for example, Arkema, Abramson et al. 2006, Ruckelshaus, Klinger et al. 2008).

There are many reasons why the GBR Marine Park has been so recognised, and why it has been considered as one of the standout examples of an effective MPA despite the fact it is under increasing pressure, mainly from outside the area (Brodie and Waterhouse 2012). One noteworthy example of its effectiveness was the Representative Areas Program (RAP) which was a systematic planning approach, aimed at ensuring the range of biodiversity within the Great Barrier Reef was adequately protected and building its resilience to cope with increasing pressures. The overall RAP process and the resulting outcomes have been widely acclaimed (Ruckelshaus, Klinger et al. 2008, Gaines, Lester et al. 2010) and the RAP remains a global success story in marine conservation planning (for example, Hughes, Bellwood et al. 2007, Pressey, Mills et al. 2013).

Many subsequent efforts for planning MPAs around the world have drawn upon elements of the RAP planning approach or aimed at producing a similar outcome (for example, Osmond, Airame et al. 2010, Ban, Adams et al. 2011, Giakoumi, Mazor et al. 2012, Álvarez-Romero, Pressey et al. 2013, Gleason et al. 2013).

This PhD will assess and document the lessons learned over 40+ years of conservation planning and management in the GBR, but particularly those lessons learned during, and as a result of, the RAP; the PhD is primarily by publication; these are arranged into seven chapters as shown below:

1	Introductory PhD ‘bookend’ - The Great Barrier Reef Marine Park - the grandfather of modern MPAs <i>(Introduction to GBR and the RAP)</i>	Chapter completed (introductory bookend to await completion of Chapters 2-6) Book chapter - Day, JC (2016) The Great Barrier Reef Marine Park – the grandfather of modern MPAs. Chapter 5 (pp. 65-97) in <i>Big, Bold and Blue: Lessons from Australia’s Marine Protected Areas</i> , (Eds) Fitzsimmons & Wescott. CSIRO.
2	‘Effective marine conservation planning in the absence of perfect data’ <i>(Lessons learned about the role of science)</i>	1st draft completed – describes how subsequent research has demonstrated the representative approach used to develop the new GBR zoning network protected all mapped 70 bioregions <u>plus</u> key habitats/key locations that were unknown at the time
3	‘Effective public participation: a fundamental requirement to achieve coastal and marine conservation’ <i>(Lessons learned about the role of public engagement)</i>	Chapter completed Journal article - Day JC (2017). Effective Public Participation is Fundamental for Marine Conservation – Lessons from a Large-scale MPA. <i>Coastal Management</i> 45 (6):470-486 + Supplementary
4	‘Leadership at many levels was a key part of the success to achieve what many thought impossible in marine conservation’ <i>(Lessons learned about the role of leadership)</i>	All 37 formal interviews completed and transcribed; preliminary analysis only undertaken
5	‘The relative role of politics to achieve what many thought impossible in marine conservation’ <i>(Lessons learned about the role of politics)</i>	All 37 formal interviews completed and transcribed; preliminary analysis only undertaken

6	'Ocean zoning revisited: how decades of zoning the Great Barrier Reef has evolved into an effective approach of marine spatial planning and ecosystem-based management' (<i>Lesson learned about zoning</i>)	Chapter completed and submitted June 2018 for Special edition of <i>Aquatic Conservation</i> Journal article - Day, Kenchington, Tanzer and Cameron (accepted for review in <i>Aquatic Conservation</i>)
7	Concluding PhD 'bookend' - Significant findings in the thesis; lessons for the next GBR zoning program and needs for further research.	Concluding bookend to await completion of Chapters 2-6.

Principal supervisor: [Professor Bob Pressey](#)

Supervisory committee: [Professor Helene Marsh](#); [Dr Nadine Marshall](#); [Dr Liz Tynan](#), [Dr Tiffany Morrison](#)