

Biographical Note

Justin is a highly experienced cultural heritage professional with over 10 years' experience working with Rio Tinto throughout Australia and internationally. He has managed a wide range of complex cultural heritage projects for Rio Tinto with a focus on mining in remote areas of Cape York and the Northern Territory. This has included the design and implementation of risk based cultural heritage management systems at mine sites in Weipa, Gove and ERA at Jabiru where he gained extensive experience consulting with Indigenous communities about cultural heritage management including the management of shared historic heritage and intangible cultural heritage values. He has a detailed knowledge of cultural heritage management legislation and requirements, with a Queensland specialisation. In addition, working as an internal consultant with Rio Tinto he has provided high level cultural heritage to Rio Tinto Coal Australia in NSW and QLD, Rio Tinto Alcan in Queensland, Rio Tinto Technology and Innovation and Rio Tinto in Mongolia, Peru and Namibia. Over this time Justin has maintained a research and publication record with two published monographs and numerous articles and chapters published on Australian Archaeology and stone artefacts in Australian and international journals and edited volumes. He is currently co-directing an innovative Australian Research Council – Rio Tinto funded cultural heritage management project at Weipa. He is also an experienced field archaeologist with extensive survey and excavation experience and a specialisation in stone artefact identification.

Qualifications

2004	PhD in Anthropology (Archaeology), Department of Anthropology, University of Auckland
2000	B.A (Honours) Anthropology, University of Auckland
1999	Postgraduate Diploma (Archaeology), La Trobe University
1997	B.A (Archaeology), La Trobe University

Professional Experience

2013-2014	Consultant Cultural Heritage Advisor to the South of Embley mine project, Rio Tinto
2012-2013	Principal Advisor - Cultural Heritage, Rio Tinto
2005-2012	Specialist Archaeologist, Rio Tinto (Alcan)
2003-2005	Archaeologist, Rio Tinto (Comalco)
2000-2001	Head Tutor and Lecturer, Department of Anthropology, University of Auckland

Key Responsibilities

Current	Operations Manager for Australian Cultural Heritage Management (Vic) Pty Ltd
2013-2014	Coordination of all cultural heritage management activities associated with the A\$3.5bn South of Embley mine project in Cape York, Queensland
2012-2013	Provided strategic advice to Rio Tinto businesses across Australia, Mongolia and Peru on the development and implementation of risk based cultural heritage management systems and legal compliance with regards to legislative responsibilities
2005-2012	Managed the Weipa cultural heritage management system and led the cultural heritage management team, external reporting of performance to the WCCCA and ELY Indigenous agreement, representative provided cultural heritage advice to other Rio Tinto businesses throughout Australia and established cultural heritage management systems at the Gove mine and the ERA Ranger mine

- 2003-2005 Developed and implemented the Weipa cultural heritage management system in compliance with Comalco's legislative and native title responsibilities and led the participation of Traditional Owners in cultural heritage management activities on the mine leases

Key Outcomes

- Design and implementation of cultural heritage management systems at Rio Tinto Alcan's Weipa and Gove mine sites and at the Energy Resources Australia (ERA) Ranger Uranium mine
- Member of the internal working group for the Why Cultural Heritage Matters resource guide for Rio Tinto
- Led the Enhancing Cultural Heritage Management in Mining Contexts research project funded through an Australian Research Council Industry Linkage Grant between Rio Tinto and Macquarie University and five other Australian and international universities
- Established and led the cultural heritage management team at the Weipa mine site
- Led the successful completion of numerous major tangible and intangible cultural heritage assessments for new mine and infrastructure developments at Weipa and Gove
- Developed and implemented cultural heritage management procedures at the Oyu Tolgoi mine in Mongolia and advised on the implementation of the regional heritage management plan
- Negotiated and authored the heritage strategy for the South of Embley Communities, Heritage and Environment Management Plan that outlines a community based beyond compliance long-term approach to address the cultural heritage management values of Wik and Wik-Way Traditional Owners on the Rio Tinto Alcan mining lease

Books

- 2008 SHINER J. Place as Occupational Histories: An Investigation of the Deflated Surface Archaeological Record of Pine Point and Langwell Stations Western New South Wales, Australia. British Archaeological Reports International Series 1763, Archaeopress
- 2006 S. Holdaway, P. Fanning and J. SHINER. Geoarchaeological Investigation of Aboriginal Landscape Occupation in Paroo-Darling National Park, Western NSW, Australia, Anthropology Dept. University of Auckland, Auckland, RAL-e No. 1, pp. 1-82.

Book Chapters

- 2009 SHINER, J. Persistent Places: An Approach to the Interpretation of Assemblage Variation in Deflated Surface Stone Artefact Distributions from Western New South Wales, Australia. In A. Fairbairn, S O'Connor and B. Marwick (Eds) New Directions in Archaeological Science. Terra Australis, Canberra: ANU E-Press, 28:25-41.
- 2007 Holdaway, S. J. SHINER, P. Fanning, and D. Witter. Cores, Tools and Nuclear Bodies: Characterization of Stone Artifact Assemblages from Arid Australia. In S. McPherron (ed) Tools versus Cores: Alternative Approaches to Stone Tool Analysis. Cambridge Scholars Publishing, Newcastle, pp. 178-197.
- 2005 SHINER, J, S. Holdaway, H. Allen and P. Fanning. Understanding Stone Artefact Assemblage Variability in Late Holocene Contexts in Western New South Wales, Australia: Burkes Cave, Stud Creek and Fowlers Gap. In C. Clarkson and L. Lamb (Eds) Lithics Down Under: Australian Perspectives on Lithic Reduction, Use and Classification. British Archaeological Reports, pp. 67-80.

Journal Articles (Refereed)

- 2013 Shiner, J, Fanning, P.C, Holdaway, S.J, Petchey, F, Beresford, C, Hoffman, E, and B. Larsen. Shell mounds as the basis for understanding human-environment interactions in far north Queensland, Australia. Queensland Archaeological Research.
- 2010 Morrison, M., D. McNaughton and J. SHINER. 'Mission-based Indigenous production at the Weipa Presbyterian Mission, western Cape York Peninsula, (1932-1966).' International Journal of Historical Archaeology 21(3):7-15

- 2009 Barkley, R, G. John, J. SHINER, and M. Wrigley. Collaboration and innovation in the management of cultural landscapes in mining contexts, Western Cape York. *Historic Environment* 21(3):7-15.
- 2009 SHINER, J and M. Morrison. The Contribution of Heritage Surveys towards Understanding the Broader Cultural Landscape of the Weipa Bauxite Plateau. *Australian Archaeology* 68:53-55
- 2008 The Intensity of Raw Material Utilisation as an Indication of Occupational History in Surface Stone Artefact Assemblages from the Strathbogie Ranges, Central Victoria. *Australian Aboriginal Studies* 2008(2):80-92
- 2008 Douglas, M. J, S. J. Holdaway, P. C. Fanning and J. I. SHINER An Assessment and Archaeological Application Of Cortex Measurement In Lithic Assemblages. *American Antiquity* 73(3):513-526
- 2008 Holdaway, S. J. SHINER, P. Fanning and M. Douglas. Assemblage Formation as a Result of Raw Material Acquisition in Western New South Wales, Australia. *Lithic Technology* 33(1):1-16.
- 2007 SHINER, J., S. Holdaway, H. Allen and P. Fanning. Burkes Cave and flaked stone artefact assemblage variability in western New South Wales. *Australian Archaeology* 64:35-45.
- 2006 SHINER, J. Artefact discard and accumulated patterns in stone artefact assemblage composition in surface archaeological deposits from Pine Point and Langwell Stations, western New South Wales. *The Rangeland Journal*, 28 (2):183-196.
- 2005 Holdaway, S., P. Fanning and J. SHINER. Absence of evidenced for evidence of absence: Understanding the chronology of Indigenous occupation of western New South Wales, Australia. *Archaeology in Oceania*, 40 (2):33-49.
- 2004 Holdaway, S., J. SHINER and P. Fanning. Hunter-gatherers and the archaeology of the long term: An analysis of surface, stone artefact scatters from Sturt National Park, New South Wales, Australia. *Asian Perspectives*, 43 (1):34-72
- 2003 SHINER, J. Towards a place use history of conflated surface stone artefact distributions: a report of fieldwork on Pine Point and Langwell Stations, western New South Wales. *Australian Aboriginal Studies*, 2003/1:74-78
- 2002 SHINER, J. Analysis of Stone Artefact Assemblages from a Recent Survey of the Howqua River, Victoria. *Australian Archaeology*, 54:13-21
- 2002 Holdaway, S., P. Fanning, M. Jones, J. SHINER, D. Witter and G Nicholls. Variability in the Chronology of Late Holocene Aboriginal Occupation on the Arid Margin of Southeastern Australia. *Journal of Archaeological Science*, 29:351-63

Journal Articles (Non-Refereed)

- 2012 SHINER, J. Engagement and Innovation in Cultural Heritage Management. *The AusIMM Bulletin, Journal of the Australasian Institute of Mining and Metallurgy*, August 2012:64-66
- 2004 SHINER, J. Developing occupational chronologies for surface archaeological deposits from heat retainer hearths on Pine Point and Langwell Stations, far western New South Wales, Australia. *Archaeology in New Zealand*, 46(4):197-202

Abstracts and Book Reviews

- 2009 SHINER, J. Review of T. Doelman, *Time to Quarry: The Archaeology of Stone Procurement in Northwestern New South Wales, Australia*. *Australian Archaeology*, 69:87-88.
- 2004 SHINER, J. Place as Occupational Histories: Towards an Understanding of Deflated Surface Artefact Distributions in the West Darling, New South Wales, Australia. *Australian Archaeology*, 59:66-67
- 2000 Fanning PC, Holdaway, S. J, Witter DC, Jones M, Nicholls G, Reeves J & J. SHINER. Temporal patterns of Aboriginal occupation in Northwestern New South Wales, Australia, during the Late Holocene: a reflection of environmental or socio-political change? *Australian Quaternary Association Workshop*, 7th – 9th February, Canberra.
- 2000 SHINER, J. Stone Artefact Assemblage Composition at Stud Creek, Sturt National Park, New South Wales, Australia. *Australian Archaeology* 51:71
- 1999 SHINER, J. & S. Holdaway. Dating the Late Holocene Occupation of the Arid Zone, Western New South Wales, Australia. *Archaeology in New Zealand* 42(2):197-202.

Technical Reports

- 2003 SHINER, J. Archaeological Investigations on Pine Point and Langwell Station, Western New South Wales. Report to the New South Wales National Parks and Wildlife Service and the Broken Hill Local Aboriginal Land Council.
- 2003 Littleton, J, J. SHINER, H. Allen, & S. Holdaway. Before the Fences: Aboriginal and European Contact in the Western Riverina. Report for Wamba Wamba LALC and AIATSIS.
- 2002 Holdaway, S, P. Fanning, & J. SHINER. Geoarchaeological Investigation of Aboriginal Landscape Occupation in Peery National Park, Western New South Wales. Report to the New South Wales National Parks and Wildlife Service
- 1998 Keating, M. and J. SHINER. Report of an Archaeological Survey of the Howqua River Valley. Report to Aboriginal Affairs Victoria.

Academic Theses

- 2004 Place as Occupational Histories: Towards an Understanding of Deflated Surface Artefact Distributions in the West Darling, New South Wales, Australia. PhD Thesis, Department of Anthropology, University of Auckland.
- 2000 Stone Artefact Assemblage Composition at Stud Creek, Sturt National Park, New South Wales, Australia. Unpublished Honours Thesis, the University of Auckland

Selected Consulting Reports

- 2014 Robe Valley Development Project - Communities and Cultural Heritage Assessment. Unpublished Report to Rio Tinto Technology and Innovation, Perth.
- 2014 Rio Tinto Exploration Cultural Heritage Management System Audit 2014. Unpublished Report to Rio Tinto Exploration, Brisbane
- 2014 RMA Cultural Heritage Report Review. Unpublished Report to Rio Tinto Alcan, Yarwun Alumina Refinery, Queensland
- 2014 Archaeological Survey of Proposed Mine Clearance Areas, Andoom Peninsula, ML 7024 and 7031. Unpublished Report to Rio Tinto Alcan, Weipa
- 2013 Report on the South of Embley Boyd Infrastructure Area Cultural Heritage Scarred Tree Inspections. Unpublished Report to Rio Tinto Technology and Innovation, Brisbane Oyu Tolgoi
- 2013 South of Embley Construction Management Cultural Heritage Site Protection Plan. Unpublished Report to Rio Tinto Technology and Innovation, Brisbane and the Western Cape Communities Coexistence Agreement, Weipa
- 2012 Review of Cultural Heritage Values of the Mitchell Plateau, Western Australia. Unpublished Report to Rio Tinto
- 2012 Methodology for the Testing and Salvage of Archaeological Materials from the Warkworth Sands, Hunter Valley, New South Wales. Unpublished report to Rio Tinto Coal Australia
- 2012 Cultural Heritage Management System Procedures Guide. Unpublished report to Oyu Tolgoi, Ulaanbaatar, Mongolia

Conference Papers and Seminars

- 2013 P. Fanning, S. Holdaway, J. SHINER, F Petchey and E. Hoffman. Geoarchaeological approaches to understanding human-environment interactions in Australia's tropical north. Asia Oceania Geosciences Society 10th Annual Meeting, Brisbane.
- 2011 P. Fanning, S. Holdaway, J. SHINER and F Petchey. Geoarchaeological approaches to understanding human-environment interactions in Australia's tropical north: the Weipa shell mounds revisited. Australian Archaeology Association Conference Toowoomba.
- 2011 E. Bradshaw, K. Bryant and J. SHINER. The Rio Tinto Approach to Inclusive Engagement in Community, Cultural Heritage and Environmental Management: A Case Drawn from the Rio Tinto Weipa Bauxite Operation. Minerals Council of Australia Conference, Mackay.

- 2011 J. SHINER Cultural Heritage Management and the Australian Mining Industry. Public lecture the University of Auckland
- 2010 M. Morrison and J. SHINER Earth Mounds at Weipa. Western Cape York Peninsula. Australian Archaeology Association Conference, Batemans Bay
- 2008 J SHINER Big Holes, Big Trucks and Big Middens: the role of Archaeology in Cultural Heritage Management across the Western Cape York Bauxite Field. Archaeology Program, School of Historical and European Studies, La Trobe University.
- 2008 R Barkley, G John, J SHINER, C Snodgrass and M Wrigley. Collaboration and innovation in the management of cultural landscapes in mining Contexts, Western Cape York. Minerals Council of Australia Conference, Darwin September 2008
- 2008 S Holdaway, J SHINER, P Fanning and M Douglas. Context and Complexity in Arid Australia. Society for American Archaeology Annual Meeting, Vancouver March 2008
- 2007 M Morrison, D McNaughton and J SHINER. An Archaeological and Oral Historical Investigation of Indigenous Health and Wellbeing at the Weipa Presbyterian Mission, Western Cape York Peninsula. Australian Archaeology Association Conference, University of Sydney.
- 2007 J SHINER and S Holdaway. WNSWAP Twelve Years On: Have We Measured Enough Artefacts Yet? Australian Archaeology Association Conference, University of Sydney.
- 2007 J SHINER. The Interpretation of Surface Stone Artefact Assemblage Composition from Eroded Contexts in Arid Western New South Wales, Australia. ICOMOS Conference, James Cook University, Cairns
- 2005 J SHINER Persistent Places: An alternative to the settlement pattern model in Australian arid zone archaeology? Australasian Archaeometry Conference, Australian National University, Canberra
- 2005 Discussant in the Palimpsest in Geoarchaeology Forum, 70th Annual Meeting of the Society for American Archaeology, Salt Lake City
- 2002 SHINER, J, S. Holdaway and P. Fanning. Long-Term Place Use Histories from Surface Stone Artefact Scatters in Arid Western New South Wales. Department of Archaeology and Historical Studies, University of Sydney.
- 2002 Holdaway, S., and J. SHINER. WNSWAP 1995-2001: Seven Years of Investigation in the Arid Zone of Western NSW. Department of Anthropology, University of Auckland.
- 1999 SHINER, J. and S. Holdaway. Dating the Late Holocene Occupation of the Arid Zone, Western New South Wales, Australia. New Zealand Archaeological Association Conference, Auckland.