



Curriculum Vitae

MICHAEL STRONG

Michael Strong is the director of Turnstone Archaeology (2006-2016).

He has successfully undertaken or managed nearly 420 archaeological or cultural heritage projects since 1994. Michael Strong has worked in this field with Aboriginal groups from Camooweal, Charters Towers, Upper Burdekin, Proserpine, Mackay, Gladstone, Bundaberg, Burnett region, Longreach, the Sunshine Coast, Caboolture, Brisbane, Ipswich, Logan and Lockyer areas. Aboriginal communities that employ Turnstone include the Bailai, Gurang, Gooreng Gooreng and Taribelang (PCCC); Gia, Giru Dala, Gudjal, Gugu Badhun, Indjalandji, Mununjali, Wiri; Jagera, Ugarapul & Yuggera (Jagara Daran); Longreach community, Western Wakka Wakka, Wakka Wakka, Yirendali and Yuibera.

AVAILABILITY: Queensland, working with the agreement of the Aboriginal Traditional Owners for that region for Indigenous projects.

QUALIFICATIONS: M.A. (Archaeology & Heritage), University of Leicester, UK
Current Queensland driving license
RACQ 4WD certificate

PROFESSIONAL ASSOCIATIONS AND POSITIONS

- Full Member, Australian Association of Consulting Archaeologists Inc.
- Member, Australian Archaeological Association Inc.
- Member, Board of Mediterranean Archaeology, University of Sydney
- Director, Abbey Museum of Art & Archaeology (1980-2012); Emeritus Director & Senior Curator since 2012)
- Assistant Coordinator, Abbey Medieval Festival
- Member, Cranlana Alumni (Myer Foundation)
- Member, Museums Australia
- Member, Birdlife Australia
- Member, Queensland Wader Study Group

CAREER PATH

- 1980-2012** Director of the Abbey Museum of Art & Archaeology, Caboolture; Emeritus Director since 2012. Currently Senior Curator and Board Member
- 1995** Volunteer Coordinator of the NatureSearch 2001 Program, Department of Environment and Heritage, Brisbane
- 1995-1996** Assistant archaeologist, Ann Wallin and Associates Pty Ltd.
- 1997-2006** A director of Archaeo Cultural Heritage Services, Brisbane, managing and undertaking projects across Queensland & northern NSW
- 2008** Full Member of the Australian Association of Consulting Archaeologists, Inc.
- 2006-2016** Director of Turnstone Archaeology, managing and undertaking projects across Queensland.
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EXPERTISE IN INDIGENOUS AUSTRALIAN ARCHAEOLOGY

- Landscape archaeology
- Predictive modelling
- Site surveys
- Site recording and reporting
- Excavation
- Ethno-botany
- Development of keeping and special places
- Development of best practice workshops

MUSEUM DEVELOPMENT

- Keeping places
- Concepts, design and development
- Process
- Cataloguing and storage

HISTORICAL HERITAGE

- Development of environmental heritage trails
- Heritage surveys
- Site recording

SPECIALIST FIELDS

- Landscape archaeology
- Predictive modelling
- Ethno-botany
- Development of keeping and special places
- Development of best practice workshops
- Ethno-archaeology
- Museology

CONSULTING EXPERIENCE

Michael Strong has been a professional archaeologist for 21 years and museum director for 33 years, with an M.A. in Archaeology and Heritage from the University of Leicester. He was formerly a director of a Queensland archaeological company, but set up his own company, Turnstone Archaeology, in 2006 to work more closely with Aboriginal communities. His current research interest is developing an environmental predictive model that has major advantages for Aboriginal communities and environmental planners.

Turnstone Archaeology has a strong commitment to ethical involvement and best practice in archaeological research and fieldwork, especially in accepting that Aboriginal people have the right to choose their archaeologist. Michael has worked primarily in southeast Qld and eastern Australia and

has recently been invited to work in central and northern Queensland. His major cultural heritage projects include dams, tunnels, highways, mines and power stations.

Michael also has a major interest in museums and museum collections, particularly in the keeping of Aboriginal cultural heritage collections made during heritage surveys. He has been director since 1980 (Emeritus Director since 2012) of the Abbey Museum of Art and Archaeology, one of Australia's leading small museums, as well as appearing in numerous films, TV interviews, radio broadcasts and newspaper articles. In 1993 Michael was nominated for Queenslander of the Year award for services for the preservation of Aboriginal sites. Among numerous projects, Michael worked on the famous Vindolanda site on the Roman Wall, and also on a Black Death excavation in London and has travelled in the UK, Ireland, Scandinavia, Bulgaria, Romania and Turkey and Egypt looking at museum practices, medieval festivals and archaeological sites.

PUBLICATIONS

Strong, M. K. 2016 'One Ring to Rule them All. Towards understanding the plethora of bora grounds in southeastern Queensland.' *Queensland History: Journal of the Royal Historical Society of Queensland*, February 2016, Vol. 22, No 12.

Strong, M. K., 2009. *Predictive Landscape and Cultural Environmental Modelling of the Blackfellow Creek Focal Area, Lockyer Valley, for SEQ Catchments Healthy Waterways Project*, Brisbane: South East Queensland Healthy Waterways Partnership.

Strong, M. K. 2006 *Unexpected Treasures: Highlights from the Abbey Museum*. Board of the Abbey Museum, Caboolture, Queensland.

Strong, M. K., 2005. *Historical Assessment of the Spring Gully Coal Seam Gas Project, Durham Downs district, Bungil Shire, Queensland*, Origin Energy, Milton.

Strong, M. K. 1996 *A Pageant of the Centuries*. Board of the Abbey Museum. Caboolture.

Strong, M. K. 1991. 'John Ward: Custodian of the Past'. *Australian Collectors Quarterly*, Nov-Jan 1991.

Strong, M. K. 1991. 'Queensland's Abbey Museum'. *Australian Collectors Quarterly*, Jan-Feb 1991.

NOMINATED PROJECTS

TURNSTONE ARCHAEOLOGY (2006-2016)

Bromelton Water Pipeline 2016

Survey and major excavation program for the Mununjali People. The project located three huge artefact concentrations as a result of sub surface excavation that produced over 4500 artefacts.

Beaudesert Town Centre Bypass 2015-2016

Survey and excavation of six test pits on the proposed Beaudesert Bypass for the Mununjali People. Excavations produced hundreds of artefacts, including backed blades and microliths. A number of historical artefacts associated with the lost Beaudesert Homestead of 1855 were also recovered including a rare clay tobacco pipe, tokens, buckles and lead musket balls.

Royal Historical Society of Queensland 2015

Guest speaker for the prestigious Clem Lack Oration 2015 for the Royal Historical Society of Queensland.

Gidarjil Ranger Training Program 2015

Training program with Care for Country Rangers and Elders. The program located several significant new sites including artefact concentrations, shell mounds and shell middens over 1 km in length near Bundaberg.

Toowoomba Second Range Crossing 2014-2016

Archaeologist for Queensland's largest road project for the Western Wakka Wakka (Beattie family) and Jagera Daran. The study recorded 133 new sites, including a bora ground complex, and excavated 23 test pits, recovering a large number of Aboriginal stone tools and a fireplace containing the bones of koala, possum and macropods.

Wembley Road upgrade 2014

Turnstone Archaeology in partnership with Jagera Daran and Dept of Transport and Main Roads conducted a best practice excavation of test pits prior to an upgrade of the Wembley Road- Illaweena Roundabout.

Springfield Rail Stations installation 2014

Queensland Rail have commissioned a poster and artefact display in their brand new rail stations at Springfield Lakes and Springfield Central to feature the archaeological mitigation program conducted by Jagera Daran and Turnstone Archaeology prior to the construction of the new Richlands-Springfield rail corridor. This is the first time Aboriginal archaeology has featured in an Australian rail station.

Survey of 'Mimburi' Aboriginal Centre, Mary River 2013

Preliminary survey of the Mimburi Aboriginal Centre on the Mary River at Belli Creek to determine the location of the Belli bora ground.

Cultural Heritage survey of Littabella National Park 2013

Undertaken in conjunction with the Gidarjil Aboriginal Rangers as a training and cultural landscape immersion program, Turnstone Archaeology conducted a major survey of the Littabella National Park, near Baffle Creek which has assisted in the development of a predictive model for the Bundaberg region.

Cultural Heritage survey of a proposed coal mine at Wandoan 2013

A major survey of the proposed Stanmore coal mine at Wandoan identified occupation sites, residual earth ovens, artefact concentrations and quarries. The survey included detailed reconstruction of the Aboriginal landscape and provided evidence of the significance of gilgais in proximity to occupation camps.

Hervey Bay Traditional Owners and Burnett-Mary River Catchment Group, 2013

Investigation of potential damage to the Booral fish traps, Hervey Bay.

Port Curtis Coral Coast applicants and Gidarjil Development Corporation for OceanWatch Australia, 2012-2013

Excavation of Skyringville Camp site: KE:B42, Bundaberg. An exciting partnership between the Taribelang, Gurang and Gooreng Peoples of the Port Curtis Coral Coast native title claim under the auspices of Gidarjil Development Corporation and Ocean Watch Australia, a national body representing commercial fisheries. Since its establishment in 1989, OceanWatch Australia has managed and administered a broad range of successful projects to improve environmental practices, protect threatened marine species, introduce sustainable technologies, change behaviours and restore important marine habitats. The Skyringville complex is located in a key ecotone at the delta of the Burnett River and contains a range of shell middens, camp sites and cultural places. Two test pit excavations were undertaken to determine stratigraphy and the age of the site. A basal AMS radiocarbon date of 1375 ± 25 BP was obtained for Test Pit SKM-TP1 and 480 ± 25 BP for SKM-TP2.

Turnstone Archaeology for Queensland State Government, 2012-2013

Investigation of a potential breach of the Aboriginal Cultural Heritage Act 2003 at Sunshine Beach, adjacent to the Noosa National Park.

Port Curtis Coral Coast applicants and Gidarjil Development Corporation for Environmental & Licencing Professionals Pty Ltd (ELP)

Monitoring and assessment of a series of geotechnical drill holes at North Bundaberg and Kolan for potential coal deposits.

Port Curtis Coral Coast applicants and Gidarjil Development Corporation for Environmental & Licencing Professionals Pty Ltd (ELP), 2012

A major cultural heritage study (Archaeo 2004a) was undertaken in 2004. This study identified more than 70 sites, predominantly low significance stone isolates. However, a desktop assessment using aerial photography identified a range of features potentially relict wetlands. Sites appear to be clustered on the edges of these features. This current study surveyed four proposed costean locations and site office.

Port Curtis Coral Coast applicants and Gidarjil Development Corporation for Urban Land Development Authority, 2012

Cultural heritage survey and assessment of proposed urban development on the Boyne River at Tannum Sands.

Port Curtis Coral Coast applicants and Gidarjil Development Corporation for Department for Transport and Main Roads, Gladstone, 2012

Assessment of a potential scarred tree on a proposed realignment of the Bruce Highway at Calliope.

Port Curtis Coral Coast applicants for Qld Rail National, 2012

Survey and mitigation of the proposed Wiggins Island rail loop at Targinie, Port Curtis.

Barunggam, Cobble Cobble, Jarowair, Western Wakka Wakka and Yiman (BCJWY) for QGC Assessment, 2012

Recording and mitigation of an artefact concentration at Wambo Creek, near Kogan, Darling Downs. The study recovered hundreds of stone artefacts and a subsequent test trench identified many more, and also an earth oven.

Mununjali People for Queensland Urban Utilities, 2012

Assessment of three proposed water reservoir sites at Rathdowney, in proximity to the Rathdowney bora ground. QUU wished for a best practice program particularly given the proximity of a major sacred site. A test pit only a few hundred metres from the bora ground produced an earth oven. Charcoal from the site was dated by the University of Waikato, New Zealand, at 3443 ± 36 BP, possibly the oldest date obtained from proximity to a bora ground in Queensland.

Port Curtis Coral Coast applicants for Department for Transport and Main Roads, Wide Bay, 2012

Assessment of a potential scarred tree and test pitting program on a proposed realignment of the Bruce Highway.

Jagera Daran Pty Ltd for Queensland Rail, 2012

Cultural heritage assessment of a proposed upgrade to facilities at the Wulkaraka, Ipswich, rail depot.

Jagera Daran Pty Ltd for the Broderick family and CHCU, 2012

Mapping and identification of an unreported axe grinding grooves site in a suburban location at Annerley.

Gugu Badhun People for Metallica Minerals, Upper Burdekin

This major study of three mining locations for scandium in the Upper Burdekin produced a range of new and exciting discoveries for the Gugu Badhun, concurrent with their successful Native Title determination by the High Court. One location, previously unknown, produced thousands of earth ovens, where Gugu Badhun Aboriginal people were camping while accessing high quality chalcedony and chrysoprase. The study was undertaken with Gugu Badhun Elders who provided cultural information for the project.

Jagera Daran Pty Ltd for Queensland Rail and Main Roads

As part of the Darra-Springfield Rail Corridor, Jagera Daran in association with Turnstone Archaeology undertook an assessment close to the existing Centenary Motorway. Near Sandy Creek, a test pit located a Single Reduction Event consisting of more than 80 exquisitely crafted leaf shaped flakes. A number of these flakes were able to be conjoined to form the original core. A carbon date from a nearby test pit was 2948 ± 34 BP, believed to be the oldest date for the Ipswich area so far.

Jagera Daran Pty Ltd for Ipswich City Council, 2012

A predictive modelling report for Ipswich City Council on the historical Redbank Rifle Range land at Redbank. Some 47 new sites, predominantly stone isolates or artefact concentrations were identified. Two horsehoof cores, a stone tool type which extends back into the Pleistocene period, were also located.

Endorsed Parties for SANTOS Ltd, 2011

Aboriginal cultural heritage assessment of proposed wharfs on Curtis Island for the export of liquid coal-seam gas. The study was limited to below highwater mark, but located a shell midden and several stone artefact sites.

Jagera Daran Pty Ltd for Ipswich City Council, 2011

'Whispers from the river bank: Aboriginal and Post Contact Cultural heritage investigation of River Heart Parklands, Ipswich' was the second landscape reconstruction project undertaken for Ipswich City Council by Turnstone Archaeology which used historical, environmental and oral traditions to determine the predictive likelihood for cultural heritage in a p[roposed area of parkland on the Bremer River, Ipswich.

Jagera Daran Pty Ltd for Department of Defence and Converge

A detailed predictive modelling of RAAF Base Amberley using a landscape interrogation program created by Turnstone known as Predictive Landscape and Cultural Environments (PLACE) modelling. The study identified zones of potential high, medium and low predictability. A subsequent test pit demonstrates the accuracy of the program.

Jagera Daran Pty Ltd for Ipswich City Council, 2011

'Rebuilding the campfires: Aboriginal Cultural heritage investigation of Queens Park, Ipswich' was a fascinating reconstruction of the Aboriginal connections to this old and significant park in the centre of Ipswich. The study located two previously undocumented bora grounds, established the location of a fighting ground and pathway, and found that chalcedony outcrops in limestone being quarried by convicts was an important source of toolstone and possibly one reason for the courageous defence by Aboriginal people against European settlement. A lead musket ball dating to the period of settlement was located during the survey.

Barunggam, Cobble Cobble, Jarowair, Western Wakka Wakka and Yiman (BCJWY) for QGC, 2012

The Carla Well #4 well pad and fracture pond project is located within the combined native title claim group of Barunggam, Cobble Cobble, Jarowair, Western Wakka Wakka and Yiman, on the Darling Downs near Gilgilgul, between Miles and Wandoan. A source of toolstone was identified together with several pebble core choppers, bifacially flaked pebbles with use wear.

Jagera Daran Pty Ltd for Queensland Urban Utilities, 2011

Aboriginal cultural heritage survey, assessment and mitigation of an upgrade of existing sewer facilities on the historically significant Deebling Creek, where an Aboriginal mission was located in

the 1800s. Five test pits were excavated and numerous stone artefacts and an Aboriginal fireplace identified.

Jagera Daran Pty Ltd for Holcim Pty Ltd, 2011

Cultural heritage survey and assessment of a proposed hard rock quarry at Kangaroo Mt, near Boonah.

Turnstone Archaeology for Queensland Department of Transport and Main Roads and Arup, 2011

A significant cultural heritage predictive model for three proposed interchanges on the Gateway and Logan Motorways.

Jagera Daran Pty Ltd for Powerlink, 2011

Cultural heritage survey and assessment of the proposed Springdale to Blackwall 500 kV Transmission Line and Blackwall Substation. More than 50 cultural heritage sites were identified, including quarries, artefact concentrations and culturally significant waterholes.

Turnstone Archaeology for Gidarjil Development Corporation, 2011

A cultural heritage awareness training program for young Aboriginal Rangers in identification, mitigation, protection and legislation requirements.

Turnstone Archaeology for Queensland Department of Transport and Main Roads, Planit Consulting and Everick Consulting), 2011

A major desk top predictive model report that examines the proposed Gateway Motorway extension through Browns Plains to Park Ridge (the so-called Park Ridge Connector). The report took in account environmental, ethno-historical and oral information and combined it using datasets in a modelling interrogation program created by Turnstone known as Predictive Landscape and Cultural Environments (PLACE) modelling, which has an 80% accuracy.

Jagera Daran Pty Ltd for the Sisters of Mercy, Nudgee, 2011

An assessment of cultural values of land occupied by the former St Vincent's Orphanage, Nudgee. Because of its proximity to the Nudgee bora ground and waterhole, the developer and Sisters kindly agreed to a series of test pits along a Pleistocene escarpment that would have projected into a Holocene Moreton Bay. However, the results were disappointing with extensive land modification and the few stone artefacts located were not in situ.

Gudjal People and Yirendali People, for Qld National Parks & Wildlife Services and Townsville Enterprise, 2011

Cultural heritage audit of White Mountains National Park to determine potential constraints and visitor impacts. The survey located dozens of new art sites and a range of cultural and archaeological places of significance. A floristic walk was also constructed as a result of an ethnobotanical study of an area of the National Park adjacent to the highway.

Jagera Daran Pty Ltd for Queensland Urban Utilities, 2010-2011

This project provided cultural heritage assessment and mitigation for a major sewer upgrade in the Redbank area near Woogaroo Creek prior to construction of a major sewer pipeline. Eight test pits were excavated as part of the mitigation and hundreds of artefacts, particularly high quality backed blades manufactured on site, were recovered from Test Pit 1. An earth oven (TP1: Oven 6) at this site provided a radiocarbon date of 197 ± 32 BP. However, another fireplace (TP 4) recovered from 1.5 metres down had an older date of 1558 ± 35 BP.

Port Curtis Coral Coast applicants for QER Pty Ltd, 2010-2012

A major series of cultural heritage survey and assessment in The Narrows and Port Curtis area, Gladstone, followed by excavation of numerous sites prior to geotechnical drilling. Dozens of sites were identified along with evidence of prehistoric mining for silcrete.

Jagera Daran Pty Ltd for Department of Transport & Main Roads, 2010

Cultural heritage assessment and mitigation of the proposed Chambers Flat overpass on the Mt Lindesay Highway, Park Ridge. Ten test pits were excavated; hundreds of artefacts were recovered from one test pit along with two earth ovens and an associated core.

Wakka Wakka (Northern) and Djaku-nde & Jangerie Peoples Overlap Area, 2010

Turnstone undertook a range of small surveys and mitigation programs for the QGC LNG liquid gas pipeline to Gladstone. These included a series of test pit excavations on a series of earth ovens and artefact collections. A major site was identified at Back Creek where a complex of ovens and artefact concentrations was located around a permanent waterhole.

Endorsed Parties for SANTOS Ltd, 2010-2011

Cultural heritage assessment and mitigation of the Narrows Crossing for the Santos Gap-E Liquid Gas Pipeline, Targinie to Curtis Island, Gladstone. The study mapped a series of Aboriginal sites involving historical bottle glass use and identified a series of marine sites on extensive mudflats on the mainland. Santos supported two test pit excavations of bottle glass to prove Aboriginal reduction processes.

Wakka People (North) for Department of Transport & Main Roads, 2010

Mitigation and negotiation on a proposed heavy truck stop near the sacred Ban Ban Springs site. The project involved a negotiated outcome to move the truck stops away from this important cultural heritage site.

Jagera Daran Pty Ltd for Parsons Brinckerhoff (Australia) Pty Ltd and Department of Infrastructure & Planning, Queensland Government, 2010

Survey and assessment of a proposed water treatment plant and pipeline on the Logan River.

Jagera Daran Pty Ltd for Brisbane City Council, 2010

Excavation of a series of test pits prior to road construction at Blunder Road, Pallara, Brisbane. The project encountered a range of cultural legislative difficulties which resulted in a mediated court decision in favour of Jagera Daran.

Jagera Daran Pty Ltd for Department of Transport & Main Roads, 2009

Excavation of a series of test pits prior to road construction at Reynolds Creek, Boonah.

Jagera Daran Pty Ltd for Department of Transport & Main Roads, 2009-2010

Mitigation and analysis of a major Aboriginal artefact concentration and occupation site at Ma Ma Creek. The site recovered thousands of artefacts, ranging in date from mid Holocene to post contact period.

Wakka Wakka North for QGC-LNP, 2009

Survey and documentation of a major Aboriginal quarry site during cultural heritage management for the Surat to Gladstone Gas Pipeline.

Jagera Daran Pty Ltd for Investa, 2009

Mapping and identification of a stone arrangement within a proposed housing development.

Jagera Daran for Holcim Pty Ltd and Orogen Pty Ltd, 2009-2010

Cultural heritage survey and management of a proposed gravel quarry at Fernvale.

Jagera Daran Pty Ltd 2009

Survey of a proposed Energex substation at Spring Creek, near Lake Clarendon, for Energex and ADCOM.

Jinibara Traditional Owners 2009

Mapping of a major stone arrangement site in the Brisbane River Valley for the Jinibara Traditional Owners. The stone arrangement consists of a series of stone cairns and lines of stones stretching about 300 metres beside a creek.

Jinibara and Jagera Traditional Owners, 2009-2010

Cultural heritage issues and advice associated with the proposed Brisbane Valley RailTrail between Ipswich and Blackbutt.

Jagera Daran Pty Ltd for Toowoomba Pipeline Alliance, 2009

Cultural heritage issues associated with a predictive model for sub surface cultural heritage for the Toowoomba Water pipeline between Wivenhoe and Cressbrook Dam. The project has identified that Cressbrook Gorge was an important trackway to the Darling Downs and located a source of green chert used extensively for lithic finds.

Jagera Daran Pty Ltd for Department of Defence and THINC Projects, 2009

Cultural heritage survey of an Explosive Ordnance Depot (EOD) at RAAF Base Amberley. The study located 111 sites along the Bremer River, the majority associated with the reduction of chalcedony cobbles. An excavation of two chalcedony cobbles located 500 metres away was undertaken that demonstrated the impact on chalcedony of tracked vehicles, such as tanks, reproducing shatter similar to Aboriginal reduction processes.

Jagera Daran Pty Ltd for Project Services and Boulderstone, 2008-2010

Cultural heritage issues associated with a large silcrete quarry at the new Gatton Correctional Centre, Spring Creek. The entire quarry was removed prior to construction of a new Women's Prison. The site has yielded more than 3000 artefacts including exotic stone adzes and backed artefacts, scrapers, prepared cores and flake blank cores. The site was destroyed in the process of construction but with the assistance of major funds from Project Services, a large amount of lithic material was recovered and is currently undergoing analysis.

Jagera Daran Pty Ltd and MTAA, 2008-2010

Major cultural heritage survey of a proposed residential development at Flagstone, near Jimboomba, for the Jagera People #2 and MTAA. Some 111 sites have currently been identified. An extensive program of test pitting has been conducted, revealing excellent sub surface archaeology. This includes the recovery of nearly 1200 artefacts from one test pit alone, together with a fireplace.

Jagera Daran Pty Ltd for Queensland Transport (Main Roads), Origin Alliance and SMEC, 2008-2009

Investigative cultural heritage survey of the southern section of the historical Redbank Rifle Range and excavation of selected cultural heritage sites within the Ipswich Motorway project for the Jagera, Ugarapul and Yuggera Peoples. A number of test pits were excavated prior to construction. One of these recovered a backed point in association with a clay oven. Radio carbon dating undertaken by the University of Waikato, New Zealand, produced a date of around 1700 AD \pm 200 years. Over 1000 artefacts have been recovered and are currently undergoing lithic analysis. A post contact site dating to about the 1880s excavated comprised more than 73 shards of black bottle glass overlaying the first stone hearth site reported for the Ipswich area.

Jagera People for Qld Water Infrastructure, 2008-2010

Cultural heritage survey of the proposed dam site and test quarry for the Wyaralong Dam Project, Teviot Brook, southeast Qld, for the Jagera People. A significant find has been the discovery of a series of magnificent silcrete blades, approximately 75 x 10 mm long located on a knoll above the proposed dam wall. This led to the largest Aboriginal archaeological excavation in Queensland, with the broad area excavation of the entire hilltop. The site recovered more 6800 artefacts. Another test pit find was a series of 75 blades and paper-thin flakes expertly removed from one core reduction in a superb example of stone-smithing skill. A number of blades had been laid out with the ventral side upwards in rows ready for use but never taken away from the site.

Gudjal People for Liantown Resources, 2008

Technical advisor for a major hard mineral drilling program west of Charters Towers for the Gudjala people, including best practice training workshops and environmental archaeological recording.

SEQ Catchments Healthy Waterways Project for Jagera-Daran Pty Ltd, 2008

Undertaking innovative predictive and cultural landscape modelling for three catchment areas in southeast Qld in a major environmental conservation project. A completed project, based on the Lockyer Valley Focal Area, has allowed the development of a useful predictive model for the region.

Ugarapul and Mununjali People for Qld Water Infrastructure, 2008

Investigative cultural heritage survey of the proposed Access Road for the Wyaralong Dam, Teviot Brook, southeast Qld for the Ugarapul and Mununjali Aboriginal Endorsed Parties.

Jagera for Woodhead Pty Ltd and Department of Defence, 2008

Review of previous cultural heritage issues associated with RAAF Base Amberley for the Department of Defence.

Port Curtis Coral Coast Claimants for The Economite Group, 2008

Cultural heritage archaeologist for the PCCC in an archaeological survey of proposed drillpads and access tracks for the Mt Allison garnet resource.

Gia People for Queensland Energy Resources, 2008

Project manager and technical advisor for the 2008 season of a major cultural heritage investigation of issues relating to the development of the McFarlane oil shale deposit at Proserpine and Goorganga Wetlands.

Wakka Wakka #2 People and Equigold, 2008

Cultural heritage archaeologist for the Wakka People (Northern group) in an archaeological survey of the Mt Perry rutile deposit.

Gia People for Whitsunday Shire Council, 2007

Cultural heritage archaeologist for an Inspection of a reported Breach of the Duty of Care under the Aboriginal Cultural Heritage Act 2003 at Clarke's Cove, Lot 20 on RP 748499, Whitsunday Shire. The study located three damaged sites and assessed impact to a nearby stone arrangement.

Port Curtis Coral Coast Claimants for Monto Shire Council, 2007

Cultural heritage archaeologist for an assessment of cultural heritage on sections of the Gladstone-Monto Road, Dakiel, Monto Shire. The report notes the importance of Splinter Creek and the location of a new site.

Wiri and Juibera People for Queensland Rail and Connell Hatch, 2007

Project manager and technical advisor for a cultural heritage assessment for upgrade of the Jilalan Rail Yard and associated infrastructure at Sarina; assessment of Willy, Elizabeth and Plane Creeks.

Gia People for Queensland Energy Resources, 2007

Project manager and technical advisor for a major cultural heritage investigation of issues relating to the development of the McFarlane oil shale deposit at Proserpine and Goorganga Wetlands. The project involves predictive modelling of site location across the wetlands and the identification of sites for further archaeological investigation. To date, the study has located several artefact scatters, more than tripling the known archaeological heritage from this area.

Gia People for Whitsunday Shire Council, 2007

Cultural heritage archaeologist for an assessment of the Dingo Beach Recreational reserve, Whitsunday Shire. The study located a quartz quarry site.

Yelarbon Desert investigation, southwest Queensland, 2007

Turnstone Archaeology undertook an initial investigation of a series of relict oxbows associated with the Dumaresq River for Queensland Herbarium. The study located hundreds of hearths,

artefacts and occupation sites in the desert, evidence of the importance of the area in the past when wetter conditions allowed water flows along drainage channels.

Port Curtis Coral Coast and Wakka Wakka #2 Claims for SunWater and Monto Minerals, 2007

Project manager and technical adviser for cultural heritage assessment of major water pipeline, access roads, pipe storage areas and power line mitigation program involving detailed and comprehensive excavations, artefact collections, and lithic analysis for the SunWater pipeline, Goondicum Mine Project, Monto. The project involved over 150 Aboriginal people and obtained an 800 year old carbon date for an Aboriginal hearth.

Wiri People No 2 for Enertrade, 2006

Project manager and technical adviser for cultural heritage assessment and survey of the Central Queensland Gas Pipeline Project (Moranbah section).

Wakka Wakka #2 and SunWater, 2006

Project manager and technical adviser for cultural heritage assessment and survey of the proposed fish lock, Claude Wharton Weir, Gayndah.

PROJECTS UNDERTAKEN AS A DIRECTOR OF ARCHAEO UNTIL AUGUST 2006

Wiri and Yuibera People for Eastpoint Mackay, 2006

Technical adviser to Aboriginal parties for cultural heritage assessment of proposed Eastpoint resort development at Mackay.

Port Curtis Coral Coast Claim for QRE Pty Ltd, 2006

Project manager and technical adviser for cultural heritage assessment of proposed tree clearing area, *Villas on Curtis* development, Curtis Island, Gladstone.

Port Curtis Coral Coast Claimants for QLD Alumina Ltd (QAL), 2006

Technical adviser for cultural heritage assessment of modifications to the existing red mud dams, Qld Alumina Ltd, Boyne Island, Gladstone.

Port Curtis Coral Claimants for Enertrade Pty, 2006

Project manager and technical adviser for cultural heritage survey of the proposed Enertrade Gas Pipeline from Moranbah to Gladstone (PCCC section).

Jinibara People for Main Roads, 2006

Archaeologist for Jinibara in an investigation of the Mt Mellum burial cave prior to roadwork.

Jinibara People for Caboolture Shire Council, 2006

Project manager and technical advisor for a cultural heritage assessment of a horse-riding track, McLeod Lane, D'Aguilar.

Wiri People for BHP Billiton Mitsubishi Alliance (BMA), 2006

Project manager, landscape archaeologist and technical adviser for a major cultural heritage survey of proposed extensions to Riverside–Goonyella Coal Mine, Moranbah, with advice of keeping places.

Jinibara People for Wivenhoe Alliance, 2006

Preparation of cultural heritage booklet for Wivenhoe Dam to promote Jinibara culture.

Arup Pty Ltd for Main Roads, 2005

Major predictive model for cultural heritage issues relating to the proposed Bruce Highway duplication route selection from Cooroy to Curra, and Gympie Bypass. The model created widespread application for cultural heritage planners, councils and major developers.

Port Curtis Coral Coast Claim for Queensland Energy Resources Ltd (QERL), 2005

Project manager and technical advisor for cultural heritage assessment and monitoring of the Stuart Oil Shale Mine, Gladstone (1997-2006).

Caloundra City Council, 2005

Cultural heritage manager for an innovative draft cultural heritage plan for the Glass House Mountains. Project involved public and Indigenous consultation and dynamic reporting.

Jinibara People for PMM, 2005

Project manager and technical advisor to the Jinibara for a cultural heritage assessment of a proposed golf course and country club at Skene Creek, Mapleton.

Jinibara People for Brisbane Water, 2005

Technical advisor for a cultural heritage assessment of Gold Creek Dam, Brisbane.

Hervey Bay City Council, 2004

Project manager and historical archaeologist for a major cultural heritage study of Hervey Bay City, with recommendations for town planning, assessment, management and heritage constraints.

Gooreng Gooreng, Gurang, Taribelang Bunda, Wakka Wakka Jindi and Wakka people for Burnett Water Pty Ltd, 2004

Project manager, environmental archaeologist and ethno-botanist for the Burnett River Dam cultural heritage assessment and mitigation program for the Traditional Owner Cultural Coordinating Committee (2002-2005).

Gooreng Gooreng, Gurang, Taribelang Bunda, Wakka Wakka Jindi and Wakka people for Burnett Water Pty Ltd, 2004

Ethno-botanical study for Burnett Dam with plant collection, identification and reporting.

Department of Main Roads, 2004

Design and publication of a series of cultural heritage posters for educational purposes.

Jinibara People for Brisbane Water, 2004

Technical advisor for a cultural heritage survey of modifications to Wivenhoe Dam, Esk.

Jinibara and Kabi People for PREDELLA PTY LTD, 2004

Project manager and technical adviser for a small housing development at Swann Road, Caboolture.

Gooreng Gooreng, Gurang, Taribelang Bunda, Wakka Wakka Jindi and Wakka people for Queensland Industrial Minerals Pty Ltd, 2004

Project manager and landscape archaeologist for the Wateranga Minerals Project on the Burnett River.

Gooreng Gooreng, Gurang and Taribelang Bunda People for R. Barrington Pty, 2004

Project manager and technical advisor for a cultural heritage assessment of a small residential development at Mariners Way, Bundaberg.

Kabi People for Cuposa Pty Ltd, 2003

Technical adviser for the Kabi People in a cultural heritage survey of the proposed Cuposa Marina development at Bakers Flat, Beachmere.

Jagera People for Brisbane City Council, 2003

Technical adviser for the Jagera in an archaeological survey and cultural heritage issues associated with the construction of the North-South Brisbane Tunnel, Brisbane.

Crows Nest Shire Council, 2003

Historical archaeologist for a cultural heritage study of historical heritage in Crows Nest Shire under the Integrated Town Planning Act.

Giru Dala Elders for Australian Tourism, 2003

Project manager and technical advisor for the Giru Dala Elders for a proposed resort pontoon at Knuckle Reef, Great Barrier Reef, North Queensland.

Origin Energy Pty, 2003

Historical archaeologist for historical heritage study of the historic Durham Downs Homestead and the Origin gas field, Roma. Published in hardback.

Jagera and Kabi People for Brisbane City Council, 2002

Major cultural heritage study and management plan of the Nudgee Water Holes and Bora Ring, with supporting environmental and cultural research into bora rings in southeast Queensland.

Pine Rivers Shire Council, 2002

Project manager and historical cultural heritage archaeologist for a major cultural heritage study of the Pine Rivers Shire, with recommendations for town planning, assessment, management and heritage constraints.

Wiri and Yuibera People for Ports Corporation of Qld, 2002

Project manager and cultural heritage archaeologist for a cultural heritage survey of the proposed Hay Point Water Pipeline, Mackay and Sarina Shires.

Kabi People for Private Interest Group, 2002

Project manager and cultural heritage archaeologist for a cultural heritage survey of the proposed Bribie Island Road Ningi Bypass, Ningi.

Kilcoy Shire Council and Kilcoy Historical Society, 2001

Project manager and historical cultural heritage archaeologist with Kilcoy Historical Society for a major cultural heritage study of the Kilcoy Shire as part of the State Government's Integrated Town Planning process.

Wakka Wakka and Gooreng Gooreng People for Main Roads, 2001

Project manager and technical advisor for a cultural heritage survey and assessment of proposed bridgeworks at Burnett River, Ceratodus near Eidsvold, south-eastern Queensland.

Toowoomba City Council, 2001

Landscape archaeologist to reconstruct the former environmental landscapes for the Gowrie Creek project, Toowoomba.

Longreach Aboriginal Community and Longreach Shire Council, 2001

Technical advisor for cultural heritage for the award-winning Longreach Town Common Nature Reserve, Longreach-Jundah Road, Longreach, Western Queensland.

Western Wakka, Jagera, Thompson family and Jarowair People for Main Roads, 2001

Technical advisor for a cultural heritage assessment of the proposed Toowoomba Bypass and Second Range Crossing. This major project involved logistics, mapping and community consultation through extremely rugged terrain.

Jagera, Ugarapul and Thompson family for Main Roads, 2001

Project manager and technical advisor for a cultural heritage assessment of the proposed Ipswich Motorway upgrade.

Yuibera and Wiri People for the Mackay City Council, 2001

Project manager and technical advisor for a cultural heritage assessment of Hogan's Pocket landfill site, Mackay.

Western Wakka, Barunggan, Gidabel and Jarowair People for Tong Park and FSA Environmental, 2001

Project manager and technical adviser for a cultural heritage assessment of a proposed expansion of a large piggery at Tong Park, Warra, Darling Downs.

Kabi People for GHD, 2000

Project manager and technical adviser for a cultural heritage assessment of the proposed Petrie-Kippa Ring rail corridor.

Indjalandji Traditional Owners for Main Roads, 2000

Cultural landscape archaeologist and ethno-botanist as a component of the major survey and excavation mitigation program for construction of the flood-free Georgina River bridge crossing, Camooweal, northwest Queensland.

Jagera, Ugarapul and Thompson family Traditional Owners for URS Australia and Department of Defence, 2000

Project manager and technical adviser for a cultural heritage assessment of RAAF Amberley Air Base and the Purga Rifle Range and historic Aboriginal Mission.

Kabi, Dulingbara & Minniecon Traditional Owners for Maunsell MacIntyre and Main Roads, 2000

Project manager and technical adviser for a cultural heritage assessment of the proposed Tin Can Bay-Boreen Point Road upgrade.

Bailai, Gooreng Gooreng and Gurang Traditional Owners for Gladstone Area Water Board, 2000

Project manager and archaeologist for a major landscape archaeological assessment, cultural heritage survey, ethno botanical study, historical heritage study, archaeological excavations and mitigation program, and reporting in 4 volumes for the Awoonga Dam raising, Calliope Shire (1998-2000).

Woodward-Clyde Pty Ltd, 2000

Project manager and archaeologist for a preliminary cultural heritage assessment of the controversial proposed Nature Link Cable Car project, Mudgeeraba to Springbrook.

Gladstone Traditional Owners and Orica Australia, 2000

Project manager and archaeologist for an excavation of Bashford's Triangle, Orica Gas Pipeline, Gladstone. This project recovered the first backed blade found in Gladstone.

Undumbi Traditional Owners, 2000

Assistance with Registration of Undumbi Native Title claim, Sunshine Coast, southeast Queensland.

Arup for Main Roads, 1999

Project manager for Historical issues associated with the impact of the Nundah Tunnel on the historic Toombul Shire Hall

Gladstone Traditional Owners for Gladstone Area Water Board, 1999

Project manager and archaeologist for a cultural heritage assessment of the proposed Awoonga-Gladstone Water Pipeline.

Western Wakka, Gidabel and Jarowair People for Shell Coal Pty Ltd, 1998

Project manager and archaeologist for a cultural heritage assessment of the proposed Acland Coal Mine and Power Station, Acland, Darling Downs.

State Development Department, 1998

Project manager and archaeologist for a cultural heritage assessment of the proposed Industrial Service Corridor, Hansen Road, Gladstone.

Gutteride, Haskins and Davies for State Development Department, 1998

Project manager and archaeologist for aspects of cultural heritage and indigenous consultation of the disused Borthwicks Abattoir and meatworks, Murrarie, Brisbane.

Gladstone Traditional Owners for ECOS and Gladstone Area Water Board, 1998

Project manager and archaeologist for a cultural heritage assessment of the proposed Awoonga-Callide Water Pipeline over the Callide Range.

Longreach Aboriginal Community and Main Roads, 1998

Archaeologist and ethno-botanist for a cultural heritage assessment, fauna and flora survey and excavations of the proposed flood free bridge over the Thomson River, road upgrades and borrow pits on the Landsborough Highway, Longreach, western Queensland.

Western Wakka, Burrangan, Gidabel and Jarowair People for Kogan Coal Ltd, 1998

Senior archaeologist for a cultural heritage assessment of the proposed Kogan Coal Mine and Power Station, Kogan, Darling Downs.

Main Roads, 1998

Historical archaeologist for a cultural heritage study of a historical wooden bridge over the Maroochy River, Yandina.

WESTROC, 1998

Project manager, ethno-botanist and landscape archaeologist for a cultural heritage review of the Helidon Hills Project, Gatton and Laidley Shires.

Gladstone Traditional Owners for Dames & Moore for Comalco, 1998

Project manager and archaeologist for a cultural heritage assessment of the proposed Comalco Alumni Refinery, service corridors and Tailings dam sites, Aldoga Development Area, Mount Larcom, Gladstone.

Jinibara People for Powerlink Qld Pty Ltd, 1998

Project manager and archaeologist for a cultural heritage assessment of the duplication of a 275 kV transmission line from Tarong to Ipswich: Jinibara section.

Jinibara and Kabi People for Allgas and Sinclair Knight Merz, 1998

Project manager and archaeologist for a cultural heritage assessment of the Allgas Pipeline from Gympie to Gatton: Esk to Nambour section.

Caloundra City Council, 1998

Project manager for a cultural heritage assessment and preparation of a management plan, and removal of a bridge over the Rocky Creek axe-grinding grooves site, Landsborough.

Concrete Constructions, 1998

Cultural heritage project manager for a planning study of the proposed Skypoint Tower, Mt Coot-tha, Brisbane.

Brisbane City Council, 1998

Project manager and landscape archaeologist for a major cultural heritage assessment of Cultural values for the Mount Coot-tha Forest Park, Deagon Wetlands and Kedron Brook Open Spaces Project.

Gold Coast City Council, 1998

Project manager and archaeologist for assessment and excavation of a proposed bridge construction over the Albert River, Wolfdene.

Mununjali Traditional Owners for GHD and Department of Natural Resources, 1998

Project manager and archaeologist for a cultural heritage assessment of the proposed Cedar Grove Weir, Logan River.

Steering Committee, Gayndah and Eidsvold Wakka Aboriginal Community for Powerlink, 1997

Senior archaeologist, landscape archaeologist and ethno-botanist for a cultural heritage survey of the proposed 360 km Tarong-Calvale Transmission Line (Gayndah to Monto section) and impact assessment on the significant Cardarga Gorge area.

Private Development, 1997

Landscape archaeologist and ethno-botanist for a cultural heritage assessment of a proposed Rural Residential Development, Alton Downs via Gracemere, near Rockhampton. The project included a fauna and flora study.

Gladstone Traditional Owners for Gladstone Area Water Board, 1997

Senior archaeologist for an assessment of the cultural heritage values of the Awoonga Pipeline Duplication and the Proposed Reservoirs at Mount Tooloola and Mt Miller.

Arup Ltd for Main Roads, 1997

Project manager and archaeologist for heritage aspects and Aboriginal consultation of the major CAMCOS (Traffic Corridor) Study of the Sunshine Coast.

Sinclair Knight Merz for Department of Defence, 1997

Project manager and archaeologist for a historical heritage survey of the Wallangarra/ Jennings Logistics Company Army Base, Queensland and NSW.

Corporate Property Services for Telstra, 1997

Archaeologist for a cultural heritage assessment of a proposed Telstra mobile phone tower, Point Lookout, Stradbroke Island.

Gilbert and Sutherland Ltd, 1997

Project archaeologist for a cultural heritage assessment of the proposed Roundabout, Koala Beach Estate, Cudgera Beach, northern NSW.

Redland Shire Council, 1997

Project manager and archaeologist for a historical heritage assessment for a major planning study of the Southern Bay Islands, Moreton Bay, involving consultation with historical societies and public.

Connell Wagner for Main Roads, 1997

Project manager and archaeologist for a cultural heritage assessment of the major Busways South East Transit Project, South Brisbane to Logan Motorway.

Gladstone Traditional Owners for Dames & Moore Pty Ltd, 1997

Senior archaeologist for a cultural heritage assessment of the Calliope Metals project, Gladstone.

Redland Shire Council, 1997

Project archaeologist for an assessment of cultural values associated with Five Optional Transport Corridors, Redland Shire, Southeast Queensland.

Kinhill Cameron Pty Ltd, 1996

Project archaeologist for an assessment of heritage values associated with the Oxley Creek Catchment Study.

Buckley Vann Town Planning Pty Ltd for Main Roads, 1996

Project archaeologist for an assessment of Indigenous and historical heritage for a major upgrade for the Warrego Highway between Withcott and the Esk Turnoff, southeast Queensland.

Maunsell Pty Ltd, 1996

Project archaeologist for an assessment of Indigenous and Historical heritage for four proposed Industrial Areas, Ipswich City, Western Moreton Region.

Sunwest Properties, 1996

Artefact analysis and classification of an Aboriginal stone industry collection made at Plainlands, Warrego Highway, Laidley Shire.

SKM for Main Roads, 1996

Project archaeologist for a cultural heritage assessment of the proposed Upgrade of the Nambour-Maroochydore Road, Maroochy Shire, Sunshine Coast.

Ove Arup Pty Ltd, 1996

Project archaeologist for an assessment of historical heritage and potential impacts for the Nundah Underpass, Sandgate Road, Nundah.

Hyder International Pty Ltd, 1996

Project archaeologist for a major assessment of historical heritage for the proposed Nathan Dam on the Dawson River, Taroom. Project included considerable public consultation and counselling. Study of thirteen early homesteads and related buildings within a cultural landscape.

WBCM Group, 1996

Project archaeologist for an assessment of cultural heritage values for a proposed sewerage upgrade, Kirkleigh, Somerset Dam, Kilcoy Shire.

Telstra, 1996

Archaeologist for a cultural heritage assessment of a proposed Telstra mobile phone tower, Happy Valley, Fraser Island.

Suncorp Pty Ltd, 1995

Assistant site archaeologist and finds analyst for a significant archaeological excavation of the Convict Lumber Yard (ca. 1830s) containing some of the oldest colonial remains in Queensland, at Queen Street, Brisbane.

Pacific Sands Pty Ltd, 1995

Assistant archaeologist for an archaeological excavation of a coastal Aboriginal midden site, Peel Road, Beachmere. The excavation located bungwall pounders and a bone point *in situ*.

Caloundra City Council, 1995

Historical and Indigenous archaeologist for the significant Caloundra City Council Cultural Landscape Assessment Project, involving a Cultural Heritage assessment of the archaeological and historical heritage of the Caloundra Shire, including Cononadales, Maleny, Witta, Landsbough, Beerwah, Glass House and Caloundra.

Maunsell Pty Ltd, 1995

Assistant archaeologist for an assessment, collection, excavation, interpretation and analysis of Aboriginal artefacts, from the Haul Road archaeological site, Bribie Island.

Gutteridge, Haskins and Davies Pty Ltd, 1995

Archaeologist for a historical assessment of the cultural heritage values of the site of *Murrumba*, the home of Thomas Petrie and family, Petrie, southeast Queensland. Published by the Royal Society of Qld in 2004.

MAIN ROADS, 1995

Assistant archaeologist for a cultural heritage assessment of a Flood-free Bypass, Landsborough Highway, Longreach, western Queensland.

OTHER PROJECTS

Vindolanda Trust, UK, 1992

Volunteer archaeologist involved with the excavation of the 1st century Roman fortress of Vindolanda, Hadrian's Wall, with Professor Roger Birley. The excavation located the famous Vindolanda Tablets, now in the British Museum.

Museum of London, UK, 1987

Volunteer archaeologist involved with the excavation of a cemetery, containing over 900 plague burials at St Mary Spitals, near the Tower of London.. The death pit was initially thought to be from the Black Death (ca 1349) but now considered the result of a little known volcanic fallout that had catastrophic results in northern Europe.

Abbey Museum, 1980-86

Design, funding, overseeing construction and management of the Abbey Museum. The project raised almost \$1 million to complete.

Abbey Museum, 1984

Discovery and recording of the Bellara bora ground, Bribie Island.

Abbey Museum, 1984

Discovery and recording of the Hanging Tree, Dixon's trigonometrical mark and petroglyph, Sandstone Point.

University of Queensland, 1982

Volunteer archaeologist involved with the collection, analysis and excavation of the famous Browns Road Aboriginal campsite, Caboolture, with Dr Jay Hall and Professor David Gillieson. The excavation involved Michael Strong locating and excavating the fire where the first archaeological evidence of the use of bungwall fern root as an Aboriginal food and more than 30 bungwall pounders were recovered.

Abbey Museum, 1982 Discovery and recording of the Browns Road campsite.