



2010/2011

Centenary Stonework Program
Program Achievements



Public Works



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NSW Public Works

Department of Finance & Services

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this page - Comrie Fountain stone unit Centennial Park
& Moore Park Trust Depot



PROGRAM SUMMARY

The NSW Government's Centenary Stonework Program provides a state wide strategic approach to the 'catch-up' maintenance of State owned heritage stone buildings and monuments. Managed by NSW Public Works on behalf of the Minister for Finance & Services, the Program's objective is to bring the fabric of these structures to a condition where planned cyclic maintenance programs can take over.

The 2010/11 Program allocation was \$5,730,049. This allocation, together with the supplementary funding of \$3,486,152 contributed by various NSW State Government agencies enabled works to be carried out at over 20 significant public sites including the Powerhouse Museum, Darlinghurst Fire Station, Fort Denison, Hartley Courthouse, Central Local Courthouse, Macquarie Watchtower and Sydney Observatory.

The Program provides a critical mass and aggregation of materials, trades, resources and expertise to achieve efficient value for money outcomes for the State. It also supports the Department's strong commitment to fostering heritage trades, employing 50 stonemasons, heritage roofers, scaffolders, architects, technical officers and geologists – seven of whom are apprentices.


The Program also manages the State's stone stockpile for use in public buildings and other special purposes.

PARTNERSHIP PROJECTS

Contributory funding offered by State Government agencies is an increasingly important factor in achieving the objectives of the Centenary Stonework Program. This financial year, the total amount of contributory funding received by State agencies totalled \$3,486,152.

By collaborating with other State agencies the value and benefits of the Program is significantly enhanced through the co-ordination of works as well as cost efficiencies. Partnership projects were undertaken this year with the following State agencies:

- Department of Education & Communities
- Department of Attorney General & Justice
- Department of Health
- Office of Environment & Heritage
- NSW Fire & Rescue
- Powerhouse Museum



Macquarie Watchtower, La Perouse.
A partnership project with the Office of Environment & Heritage. Works included reinstatement of upper windows, stone replacement, repointing, roofing and drainage works.





Marble statuary above the main north entrance to the General Post Office.

From booklet 'Faces in the Street', a book and walking tour published by NSW Public Works for History Week and Sydney Architecture Festival 2010.



AWARDS

Faces in the Street

EnergyAustralia National Trust Heritage Award Highly Commended - Interpretation and Presentation - Corporate/Government

As part of the 2010 History Council of NSW's History Week, the NSW Government Architect's Office produced an illustrated public lecture, walking tour and publication highlighting the sculptures that adorn many of the city's nineteenth century public buildings.

Fort Denison Stonework Conservation

EnergyAustralia National Trust Heritage Award Highly Commended - Conservation Built Heritage for projects over \$1M - Corporate/Government

Located in Sydney Harbour, Fort Denison is recognised for its national and international heritage significance. Over the past four years, the Centenary Stonework Program has undertaken conservation works including stonework repairs, desalination, sacrificial renders, improving drainage and metal/paint conservation.

Fort Phillip Precinct

EnergyAustralia National Trust Heritage Award Highly Commended - Conservation Built Heritage for projects under \$1M - Corporate/Government

As Australia's first planned fort the site is of exceptional significance. Over the past three years, the Centenary Stonework Program has undertaken a program of works including stone conservation and archaeological investigations that have allowed the site to be opened to the public for the first time.

APPRENTICE TRAINING

The NSW Government is committed to developing and promoting a quality training system that meets the economic needs of NSW and enhances skills for the heritage industry.

Heritage Services, NSW Public Works shares this commitment and to date 36 apprentices have completed their training at Heritage Services. The apprentices at Heritage Services receive structured training that forms the basis for their nationally accredited qualification.

In 2010/11 there were seven apprentices at Heritage Services:

- Ian Goulding (stonemason)
- Kyle Hall (stonemason)
- Jasper Luckhurst (stonemason)
- Philip Parsons (stonemason)
- Lachlan Pearce (stonemason)
- Sonny Oliveri (stonemason)
- Joshua Scott (heritage roofing)



THE TEAM

Lee Adamou, Mark Adamson, Caitlin Allen, Kico Andonovski, Sue Brennan, Craig Bonnici, Phil Chamberlain, Amy Chew, Paul Connell, Desmond Corby, Milena Crawford, Peter Dalley, Chris Daniels, Merinda Danks, Robert Dennis, Matthew Devine, Angus Donald, Randa Elwazzi, Peter Fatseas, Fernando Ferreira, Glen Fuller, Ben Gardner, James Gardner, Kevin Godfrey, Ian Goulding, Ron Grady, Kyle Hall, Katie Hicks, Phil Hilder, Darren Hurst, Danielle Hynard, Bob Kavanagh, Terry King, Steve Kinnaird, Mary Knaggs, Anita Krivickas, Jasper Luckhurst, Denis Mahboub, Peter Markatos, Luke McDermott, Craig Miller, Brad Mills, Sonny Oliveri, Greg Paul, Lachlan Pearce, Warren Pearson, Bruce Pettman, David Reid, Adrian Postill, Andrew Seeto, Keith Shaw, Paul Sherring, Joy Singh, Mark Stevens, Paul Thurloe, Josh Tilden, Tyrone Toby, Peter Trick, Alec Tundervary, Patrick Tunny, Bunito Wangsa, Howard West, John Wilcock and Louke Witjes.

Absent in this photo: Philip Parsons, Gary Rimmer and Vivian Sioutas.



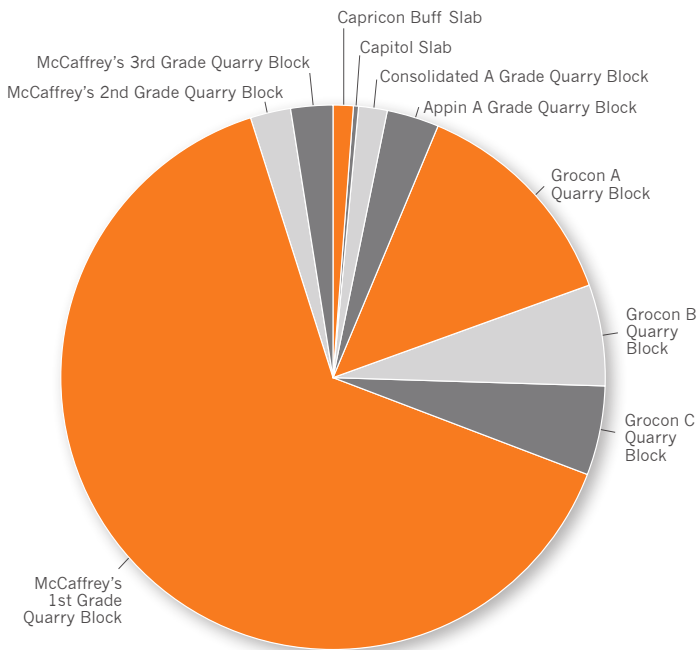
MINISTER'S STOCKPILE

The Minister's stone stockpile is unique in Australia and contains approximately 3,000 cubic metres of sandstone for restoration. McCaffrey's 'yellow block' sandstone forms an important part of the stockpile and was quarried from a redevelopment site in Pyrmont in 2000. The stone, apart from being used for various restoration projects, has been stored as quarry blocks at the Department's Sandstone Stockpile at Sandy Point, south of Sydney.

In 2010/11 a review on the remaining resources of the stockpile was undertaken. This review included quality testing and a reassessment of stone grading. A study was also undertaken on McCaffrey's durability and colour match 10 years after quarrying. The mineralogical and textural parameters indicated that the long-term viability of McCaffrey's sandstone, for use as a dimension stone, have not been affected during the duration of its stockpiling.

In total 366 cubic metres of raw quarry blocks were used in 2010/11 from the Minister's Stockpile and the break-up of the stone types used is indicated in the pie chart below.

Stone Types Used



STATE AGENCIES

NSW Fire & Rescue

- Darlinghurst Fire Station

Dept. of Attorney General & Justice

- Attorney General's - Central Local Courthouse
- Attorney General's - Darlinghurst Courthouse

Dept. of Health

- Prince of Wales Hospital - Edmund Blacket Bld
- Thomas Walker Hospital

Dept. of Education & Communities

- Australia Street Public School
- Balmain Public School
- Coogee Public School
- Crown Street Public School
- Dulwich Hill Public School
- Hunter Schools Report
- Newtown High School of the Performing Arts
- Waverley Public School

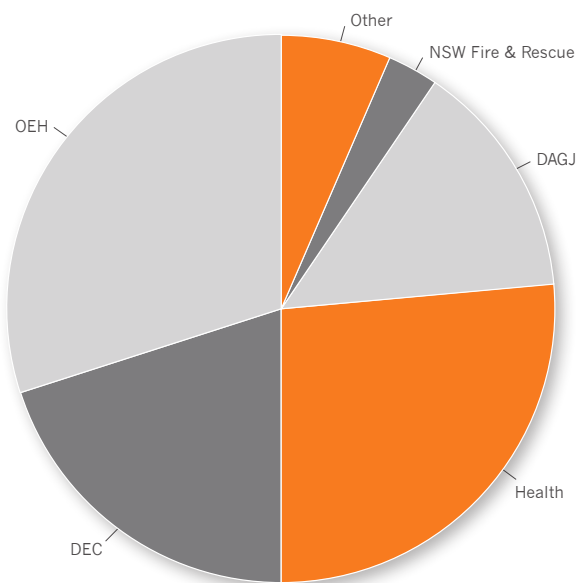
Office of Environment & Heritage

- NPWS - Fort Denison
- NPWS - Hartley Courthouse
- NPWS - Macquarie Watchtower
- Royal Botanic Gardens - Farm Cove Seawall
- Royal Botanic Gardens - Gatekeeper's Lodge
- Royal Botanic Gardens - Macquarie Lodge

Other

- Centennial Parklands - Charles Dickens Statue
- Centennial Parklands - Comrie Fountain
- Centennial Parklands - We Won
- Sydney Observatory
- Powerhouse Museum

Indication of 2010/11 CSP contributions to State agencies





Central Local Courthouse -
Coat of Arms.



PROJECT SHEETS

During 2010/11 conservation work was carried out on the following projects. Information sheets are attached.

Australia Street Public School
Balmain Public School
Central Local Courthouse
Charles Dickens Statue
Comrie Memorial Fountain
Coogee Public School
Darlinghurst Courthouse
Darlinghurst Fire Station
Farm Cove Seawall
Fort Denison
Gatekeeper's Lodge
Hartley Courthouse
Hunter Schools Strategy
Macquarie Lodge
Macquarie Watchtower
Powerhouse Museum
Prince of Wales
Stockpile Management
Stone Safety Inspection
Sydney Observatory
Sydney Schools AMU
Thomas Walker Hospital
Waverley Public School
We Won (The Footballer) Statue



AUSTRALIA ST PUBLIC SCHOOL

CLIENT	Department of Education & Communities
LOCATION	229 Australia Street, Newtown
2010/11 EXPENDITURE	\$60,697
COMPLETION	June 2011

Australia Street Public School was built in 1889 and enlarged in 1912. The main building is a two storey brick building with sandstone elements including sills, lintels, string courses, chimney caps, a carved date stone, acroterion over the doorway and other decorative features.

Following documentation and some stone processing in 2008/09, a number of conservation works were undertaken to the building in 2009/10. These works included the structural stabilisation of two stone chimneys as well as the conservation of stone elements to the Australia St elevation. Lead weatherings were also installed to vulnerable elements and roof cladding and guttering was replaced.

The 2010/11 financial year saw the completion of stone conservation works to the school. Works included the replacement and indenting of stone elements around the main entrance steps of the school and the introduction of a lead weathering system to the portico gable and coping. The original acroterion was also resealed on the gable apex. All the stone repairs over the past two years have been undertaken with McCaffrey's sandstone.



BALMAIN PUBLIC SCHOOL

CLIENT	Department of Education & Communities
LOCATION	1 Eaton Street, Balmain
2010/11 EXPENDITURE	\$71,130
COMPLETION	June 2011

Balmain Public School comprises a complex of three main buildings. The original sandstone building was built in 1878 with a second storey sandstone extension added in 1892.

The two remaining buildings include a three storey brick building. Together the buildings are of architectural significance and contribute positively to the streetscape. They are also significant for their close relationship with the development of the Balmain community.

The conservation work undertaken to the original sandstone building follows on from a stone safety inspection undertaken by the Heritage Group in 1998. During this time,

urgent works were undertaken to remove loose/dangerous stone, including one of the stone chimney caps to the building. The report prepared at the time recommended replacement of the chimney cap as well as stabilisation work to the chimney.

The 2010/11 financial year saw the documentation and completion of stabilisation works to the chimney as well as repointing of loose/defective mortar joints to the chimney. The year also saw the completion of documentation to replace the chimney cap and to undertake minor roof vent repairs.



CENTRAL LOCAL COURTHOUSE

CLIENT	Department of Attorney General & Justice
LOCATION	Liverpool Street
2010/11 EXPENDITURE	\$516,285
COMPLETION	March 2011

The Central Local Courthouse is of state significance as the first purpose built Police Court within the State Justice system. The complex is a fine and intact example of a classically inspired public building designed by James Barnet, the last Colonial Architect, with construction supervised by Walter Liberty Vernon, the first Government Architect. The complex is also a fine example of a court that functions in association with a police station that has continued to operate with the attached holding cells complex to the present day.

A stone safety inspection was undertaken in October 2009. A report with recommendations was prepared based on the inspection which identified the coat of arms as in need of urgent repairs.

Conservation works commenced in December 2010 to areas 2, 3 and 4 focusing on the coat of arms. Associated works included the replacement of the defective leadwork, minor stone replacement and repointing of open joints. The coat of arms was stabilised and a rubber mould was produced for proposed future works.



CHARLES DICKENS STATUE

CLIENT	Centennial Park and Moore Park Trust
LOCATION	Centennial Park
2010/11 EXPENDITURE	\$177,044
COMPLETION	February 2011

The statue of Charles Dickens located in Centennial Park is one of only two known life-size representations of Charles Dickens in the world. The other is a bronze statue in Clark Park, Philadelphia USA.

In 1972 the statue of Dickens was removed from Centennial Park due to vandalism and was kept in storage. Since this time the statue has been held in a number of locations until 2009 when it was relocated to Heritage Services, NSW Public Works' Stoneyard for reconstruction.

In 2010/11 conservation works included reconstruction of the missing head, scroll, quill and finger. These elements are considered integral to recognising the statue of Dickens.

In order to complete the works a block of carving quality marble was sourced from Carrara Italy and the lengthy process of recarving began. This included preparing marquettes, plaster models and moulds.

Upon completion of the works, the statue was reinstated on a new sandstone plinth in time for Dickens' 199th birthday celebrations.



COMRIE MEMORIAL FOUNTAIN

CLIENT	Centennial Park and Moore Park Trust
LOCATION	Federation Way, Centennial Park
2010/11 EXPENDITURE	\$50,000
COMPLETION	Ongoing

The Comrie Memorial Fountain was constructed as a bequest from the will of Mrs Sophia Louisa Comrie “for the use of Man and Beast”. The fountain was first opened at St James Road Queens Square in 1904, however due to increasing traffic in the vicinity the fountain was relocated to Driver Avenue adjacent to Moore Park in 1934. With the construction of the Eastern Distributor in 1995 the fountain was dismantled and stored in the Centennial Parklands’ Depot.

In 2010 the decision was announced to reconstruct the fountain at Federation Way, Centennial Park. However before site works could commence a number of modifications

were required to meet current health regulations. Originally a single source of water served the fountain. In order to meet current health regulations four sources of water were required, each with their own connection to the sewer.

A number of missing elements were also reinstated including eight red granite columns and a decorative bronze bowl. These items have been replaced to match their original detail. Discreet lighting has also been introduced into the reconstruction.

Site works commenced in April 2011 with an expected opening date in October 2011.

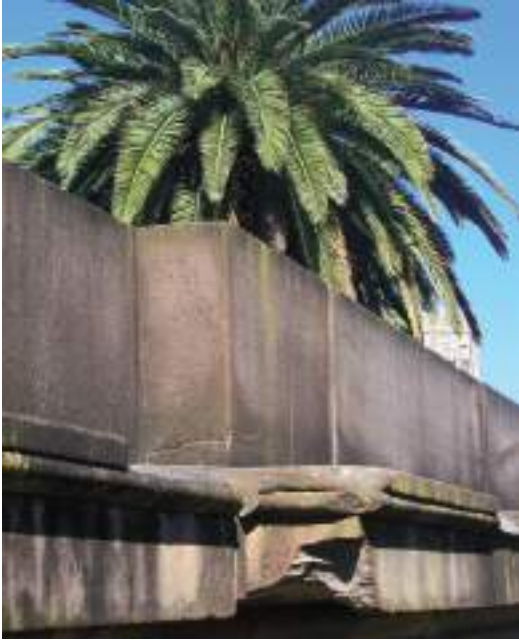


COOGEE PUBLIC SCHOOL

CLIENT	Department of Education & Communities
LOCATION	Byron Street, Coogee
2010/11 EXPENDITURE	\$25,163
COMPLETION	June 2011

Coogee Public School was established in 1876 and has historical significance as one of the schools established under the Council of Education and as the first school to be provided with 'pavilion' classrooms. The school is also of aesthetic value as an example of the work of the Government Architect George Allen Mansfield.

2010/11 saw the completion of minor works to the arch over the entrance to the canteen. The arch stone was replaced and repointing was undertaken to secure the safety of the arch. The surrounding stones were desalinate washed to remove salts.



DARLINGHURST COURTHOUSE

CLIENT	Department of Attorney General & Justice
LOCATION	Taylor Square, Darlinghurst
2010/11 EXPENDITURE	\$523,942
COMPLETION	March 2011

Darlinghurst Courthouse is representative of the evolution of formal public architecture throughout Australia, exhibiting the works of four early Colonial Architects – each using a different interpretation of neo-classical architecture.

The Darlinghurst Courthouse conservation program has been a jointly funded project between the Centenary Stonework Program and the Attorney General’s Department over

many years. In partnership, eight stages have been completed including Work Areas C & F in 2003/04, Work Areas D, E & F in 2005/06, Work Areas P, B & O in 2006/07 and Work Area A in 2007/08. In 2009/10 stone was processed for Work Area S.

In 2010/11, Work Area S was carried out as a jointly funded project. Works included stone replacement, lead weatherings, repointing and minor synthetic stone replacement.



DARLINGHURST FIRE STATION

CLIENT	NSW Fire & Rescue
LOCATION	Darlinghurst Road, Darlinghurst
2010/11 EXPENDITURE	\$137,529
COMPLETION	May 2011

Darlinghurst Fire Station was designed by the Government Architect Walter Liberty Vernon and constructed in 1910/11 by builder Conrad Harrs. The building is designed in the Federation Free architectural style and is a four storey building. Constructed of red brick with stone dressing and ornamentation, the building is situated in an unusually shaped site.

A program of conservation works commenced in 2003 with stone replacement, lead

weathering and improved drainage to the main façades of the building. 2011 marks the 100th anniversary of the building and the end of the program of works undertaken by the Centenary Stonework Program.

In 2010/11 conservation works were focused at the street level and included minor stone replacement, repointing and minor synthetic stone repairs.



FARM COVE SEAWALL

CLIENT	Royal Botanic Gardens
LOCATION	Mrs Macquarie Road, Farm Cove
2010/11 EXPENDITURE	\$23,638
COMPLETION	June 2011

The Farm Cove Seawall was built in two stages between 1848 and 1883. Beginning from the Man-O-War Steps near the Opera House and extending to Mrs Macquarie's Chair, it is the longest intact seawall in Sydney and is one of Sydney's most significant pieces of nineteenth century engineering.

Substantial repairs have been undertaken over the last 20 years varying from dismantling and rebuilding wall areas including a new mass concrete footing to small synthetic stone patches. There are some areas of the seawall that have received no repairs for decades.

In 2010/11 a land based inspection of the seawall was carried out in the presence of an engineering geologist, structural engineer and stonemason. Three distinct areas of the seawall were observed as subsiding. It was also noted that the remainder of the seawall was generally in good condition.

Recommendations for repairs with costings were documented for three areas of concern including short and long term solutions and structural advice.



FORT DENISON

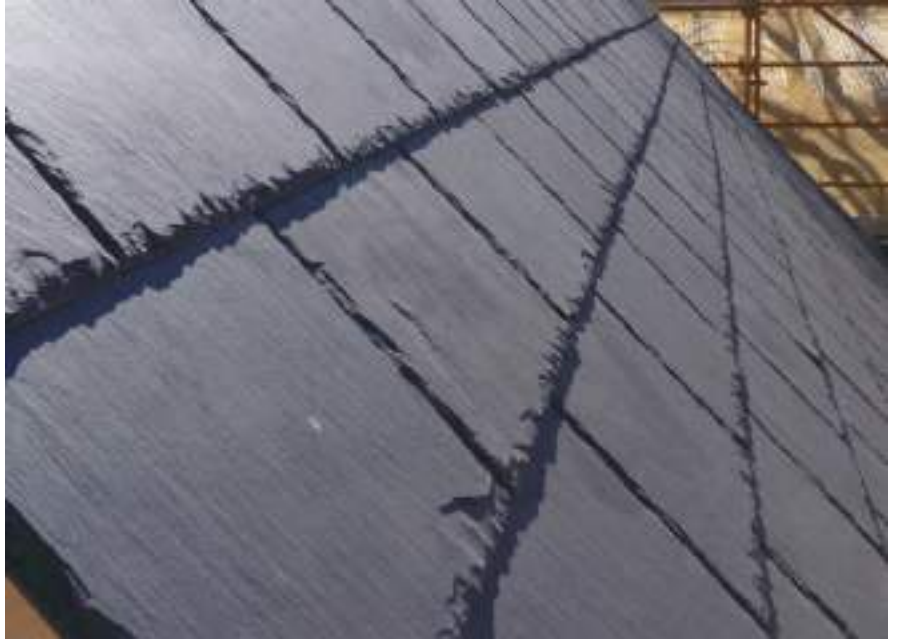
CLIENT	National Park and Wildlife Services, Office of Environment & Heritage
LOCATION	Sydney Harbour
2010/11 EXPENDITURE	\$678,567
COMPLETION	June 2011

Fort Denison is of national and international significance as an exceptionally fine and intact example of a nineteenth century defence fortification that is unique within Australia.

A three year program of 'catch-up' stonework conservation commenced in 2007. Conservation works have included repairs to the slipway and chimneys, desalination of major rooms, external repairs to the West Room and Tide Gauge Room, and repairs to the eastern seawall.

A number of investigations and strategies were also undertaken into drainage, paint and metal conservation. A number of the initiatives identified in these studies have been completed.

Given the success of the three year program, the program was extended to 2010/11 to complete all "catch-up" maintenance works. In this past year, a number of works identified in the paint and metal strategies were implemented, including consolidation of paint in the Martello Tower and breezeway, the removal of hard cement mortars and repointing in the Magazine Rooms, and the treatment of metal fixtures in the Gun Room and to the eastern barracks wall. In addition, repairs to the western seawall were completed and repointing works were undertaken to the lantern level of the Martello Tower and to the internal and external walls of the eastern seawall. A handrail was also installed in the Gun Room.



GATEKEEPER'S LODGE

CLIENT	Royal Botanic Gardens
LOCATION	Art Gallery Road, Royal Botanic Gardens
2010/11 EXPENDITURE	\$269,335
COMPLETION	June 2011

Constructed in 1835 the Gatekeeper's Lodge is a single storey sandstone building with slate roof. The lodge was substantially extended between 1865 and 1884 with additional rooms, stables and a coach house.

In August 2010 documentation was completed with construction works undertaken between April and June of 2011. Works included stone replacement, lead weatherings to the bay window, repointing and minor synthetic stone repairs. The slate roof was also replaced.



HARTLEY COURTHOUSE

CLIENT	National Parks & Wildlife Services
LOCATION	Hartley
2010/11 EXPENDITURE	\$288,609
COMPLETION	June 2011

The Hartley Historic site comprises the former Hartley Court, the former Royal Hotel and Bernard's Church and Presbytery. The site is highly significant for its close association with the early settlement to the area west of the Blue Mountains and for its role as an early government centre. The village still has an extremely high level of intactness and contains a rich range of building forms and architectural styles.

In March 2008 a stone safety inspection on the courthouse was carried out and a comprehensive report was prepared with recommendations for repairs.

In 2010/11, the repair works were undertaken including stone replacement, lead weatherings to the cornice, repointing and minor synthetic stone repairs.



HUNTER SCHOOLS STRATEGY

CLIENT	Department of Education & Communities
LOCATION	Hunter Region, NSW
2010/11 EXPENDITURE	\$37,306
COMPLETION	June 2011

In 2010/11, a strategy was prepared which assessed the condition of 44 schools within the Hunter Region that contain stone in their construction.

Generally the deterioration of the buildings is due to the lack of cyclic maintenance, however in some cases inappropriate repairs have been carried out, for example inappropriate mortars used for pointing, which contribute to the deterioration of the stonework.

The strategy identifies and prioritises conservation works based on the level of deterioration of fabric as well as the potential public safety risk involved.

The report will assist in the implementation of repairs and maintenance for schools with stone in their construction within the Hunter Region.



MACQUARIE LODGE

CLIENT	Royal Botanic Gardens
LOCATION	Conservatorium Road, Sydney
2010/11 EXPENDITURE	\$275,820
COMPLETION	February 2011

Macquarie Lodge has historic, aesthetic and technical significance at a State level. Constructed between 1846-1848 to a design by Colonial Architect Mortimer William Lewis, the building is a rare example of the Colonial Gothic style architecture. Together with Government House and the Conservatorium of Music, Macquarie Lodge forms part of a rare suite of Colonial Gothic style buildings constructed for the task of administering the colony of NSW.

A stone safety inspection of Macquarie Lodge was undertaken in April 2006. During the

inspection it was noted that works undertaken in the 1970s left the building vulnerable to deterioration.

Stone conservation works commenced in 2010 and included the replacement of deteriorated stone to the parapet and string course, reinstatement of the lead sheet and slate roofs, removal of redundant fixings in stone blocks, synthetic stone repair and repainting of external timberwork.



MACQUARIE WATCHTOWER

CLIENT	National Parks & Wildlife Services, Office of Environment & Heritage
LOCATION	La Perouse Headland, Botany Bay National Park
2010/11 EXPENDITURE	\$271,967
COMPLETION	December 2010

Macquarie Watchtower is an imposing feature of the La Perouse Headland. As the oldest surviving building in Botany Bay (one of the earliest in the State), the Watchtower is a local landmark and is of significant heritage value. Constructed to watch the bay for smugglers and misguided vessels, the two storey, octagonal sandstone tower was believed to have been constructed in the 1820s on the direction of either Governor Macquarie or Governor Brisbane but has commonly been referred to as the Macquarie Watchtower.

To celebrate the 2010 Bicentenary of Macquarie's arrival in NSW, conservation works were undertaken to the Watchtower.

The conservation works included structural stabilisation, urgent waterproofing and drainage repairs, replacement of the door, as well as the reinstatement of windows to the upper storey of the Watchtower which have been blocked with stone since the 1960s. The completed conservation works will maintain the condition of the Watchtower for the next 50 to 100 years and will enhance the visitor's experience and appreciation of this structure and its site.



POWERHOUSE MUSEUM

CLIENT	Powerhouse Museum
LOCATION	Harris Street, Ultimo
2010/11 EXPENDITURE	\$2,310,698
COMPLETION	Ongoing

The former Ultimo Power Station dating from 1899 comprises several distinct historic structures (Switch House, Boiler and Turbine Hall, Engine House and Office Building) as well as modern extensions to house its present function as the Powerhouse Museum. The former power station is significant as one of the largest and most important generating power stations in NSW for many years, providing power for Sydney's electric tramway network, and as an important part in the development of the Ultimo/Pymont area. The power station buildings are an impressive and prominent group that relate to the industrial context of the area generally.

Stone safety inspections of the Boiler Hall and Office Building were undertaken in 2006 and 2008. At this time it was noted that the stone cornices and copings of both buildings were severely deteriorated, exacerbated by ineffective past repairs.

Stone conservation works undertaken in the 2010/11 program have included the replacement of deteriorated stone elements to the north façade of the Boiler Hall and the east and north façade of the Office Building, as well as brick repair and repainting. The works are part of a larger program of stone conservation works planned for the historic buildings.



PRINCE OF WALES

CLIENT	Department of Health
LOCATION	Randwick
2010/11 EXPENDITURE	\$1,390,604
COMPLETION	Ongoing

The Edmund Blacket Building, Prince of Wales Hospital, is part of a fine group of restrained classical sandstone buildings at the hospital, designed by Edmund Thomas Blacket. The original complex was built in 1858 and a three storey Southern Wing was added in 1860. Later additions include the 1915 timber verandahs.

This large building is roofed in slate and constructed of locally quarried sandstone with

large imposing pediments and decoratively carved corner quoins which are considered amongst the finest and earliest surviving examples in Sydney.

In 2010/11 conservation work to the western gable was completed including a combination of stone replacement and lead weatherings.



SCHOOLS WITHIN THE SYDNEY ASSET MANAGEMENT UNIT

CLIENT	Department of Education & Communities
LOCATIONS	Newtown, Leichhardt, Dulwich Hill, Surry Hills
2010/11 EXPENDITURE	\$607,731
COMPLETION	June 2011

In 2009, a condition assessment and conservation strategy was prepared for 61 Sydney schools with stonework by the Heritage Group, Government Architect's Office (GAO). The report identifies conservation works and sets out priorities based on the level of deterioration of fabric as well as the potential public safety risk imposed.

From July 2008 to June 2011, conservation works have been completed at some of the schools identified as having the highest priority. These include: Marrickville PS, Paddington PS, Bondi Beach PS, Waverley PS, and Australia Street PS. Prior to any conservation works commencing, documentation of the works are prepared by the Heritage Group, GAO together with a Stonemason and in some cases a Structural Engineer.

In 2010/11, the following documentation works were completed:

- Bourke Street Public School: Documentation of conservation works, commencement of stone processing;
- Crown Street Public School: Measured Drawings, Structural Engineering drawings for seismic stabilisation;
- Dulwich Hill Public School: Documentation of conservation works, Structural Engineering drawings for seismic stabilisation;
- Leichhardt Public School: Documentation of conservation works; and
- Newtown High School of the Performing Arts: Documentation of conservation works, Structural Engineering drawings for seismic stabilisation.



STOCKPILE MANAGEMENT

CLIENT	Centenary Stonework Program
LOCATION	Sandy Point, Sydney
2010/11 EXPENDITURE	\$147,164
COMPLETION	Ongoing

In 2010/11 a review of the remaining stockpile resources at Minister's Stockpile at Sandy Point was undertaken. The study also included a review of the 2008/09 stockpile report.

The review focused on existing stone usage and projected stone usage for the stone types McCaffrey's, Appin and Grocon. The report also identified future stockpile needs of the Centenary Stonework Program.

One of the main findings from the review is the diminishing supply of yellowblock sandstone

(McCaffrey's). It is recommended to continue investigating opportunities to source future supplies of high quality yellowblock stone.

A reclassification of the Minister's Stockpile was also undertaken to inform the selection and use of stone for specific purposes. The long term viability of quarried stone was also investigated by studying the effects of oxidation on quarried stone.



STONE SAFETY INSPECTION

CLIENT	Centenary Stonework Program
LOCATIONS	Newtown and Surry Hills, Sydney
2010/11 EXPENDITURE	\$51,506
COMPLETION	Ongoing

The Department of Finance & Services' Centenary Stonework Program includes a program of stone safety inspections where state owned buildings containing exposed stone in their construction undergo a visual inspection. Depending on the condition of the stonework it may require the careful removal of any loose and decaying stone from the building that poses a risk to public safety.

Any stone that is removed is recorded in a stone safety inspection report with accompanying recommendations for repair.

The following schools had stone safety inspections carried out in 2010/11:

- Newtown High School of Performing Arts
- Bourke Street Public School Perimeter Fence



SYDNEY OBSERVATORY - AREA 4D

CLIENT	Powerhouse Museum
LOCATION	Observatory Hill
2010/11 EXPENDITURE	\$28,276
COMPLETION	June 2011

The site of Sydney Observatory, now known as Observatory Hill, was previously known as Windmill Hill, Citadel Hill, Fort Phillip and Flagstaff Hill, describing its functions over time. All of these functions relied on its location as the highest point overlooking Sydney Harbour.

Sydney Observatory was built between 1857 and 1859. Its design combined the practical needs of an observatory and astronomer's residence with the impressive appearance of a public building in an Italianate architectural style.

In previous years, the Centenary Stonework Program has fully funded conservation works to the Sydney Observatory building. In 2010/11 the last remaining façade Area 4D was conserved. Works included indenting deteriorated stones, repointing open joints and minor synthetic stone repairs.



THOMAS WALKER HOSPITAL

CLIENT	Department of Health
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LOCATION	Concord
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2010/11 EXPENDITURE	\$13,946
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COMPLETION	June 2011
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This impressive complex of buildings on the Parramatta River was constructed as a convalescent hospital by philanthropist Thomas Walker in the late 19th century. Designed by John Sulman it is a fine example of the Queen Anne style. The extensive grounds surrounding the building are an intact example of older style institutional gardens.

In June 2011 the task of preparing measured drawings of the site's many buildings commenced. Symmetrical in plan, the complex comprises 16 buildings in total – all connected via covered walkways.



WAVERLEY PUBLIC SCHOOL

CLIENT	Department of Education & Communities
LOCATION	Bronte Road, Waverley
2010/11 EXPENDITURE	\$320,885
COMPLETION	June 2011

Waverley Public School was originally constructed as a single storey brick and stone building in 1879, and later extended to its present double storey form in 1924. The public school has local significance for its contribution to the Charing Cross Urban Conservation Area, and as part of the historic building stock of the Department of Education & Communities.

Stone safety inspections were undertaken in 2005 and 2009. At this time it was noted that the stone caps of the chimneys were severely deteriorated and their conservation was a high priority. Stone elements of the north façade were also noted as requiring conservation.

Construction works commenced in late 2010 and included the replacement of deteriorated stone caps and units to the chimneys as well as the northern elevation of the building. Seismic stabilisation of the chimneys was also undertaken in accordance with the relevant Australian Standards.



WE WON (THE FOOTBALLER) STATUE

CLIENT	Centennial Park and Moore Park Trust
LOCATION	Centennial Park
2010/11 EXPENDITURE	\$80,000
COMPLETION	June 2011

“We Won”, also known as “The Footballer”, was sculptured by the sculptor Tommaso Sani and is significant for its high quality of execution. The statue was commissioned by Sir Henry Parkes and is of a boy holding a football standing tall upon a cylindrical base that houses four relief panels depicting scenes from a football match. The statue and base are surrounded by an outer ring of eight lions.

The statue, relief panels and eight lions are all constructed from bronze. The plinth is a polished granite, the steps at the immediate base of the statue are of sandstone and the outer steps near the lions are constructed from trachyte.

In 2010/11 the bronze metalwork was cleaned of calcium and oxidation deposits and a crack between the figure of the boy and the plinth was carefully rewelded. The entire statue including the relief panels and the lions were heated and rewaxed. All the shackles in the lion’s mouths were replaced using the traditional method of peening and open joints in the granite plinth were repointed. The gilding was also reworked and the surrounding bitumen areas were resurfaced.





Reinstatement of Charles Dickens
Statue in Centennial Parklands.

