Item Name: Navigational Markers of Rear Main Lead Tower (Navigational Markers Only)

Location: Private lane off 116 Church Street, The Hill [Newcastle City]

SHI Number: 3930002

Address: Private lane off 116 Church Street
Lot 1 DP 531497

Suburb / Nearest Town: The Hill 2300

Local Govt Area: Newcastle

State: NSW

Historic Region: Lower Hunter

DP& I Region: Hunter & Central Coast

Parish: Newcastle

County: Northumberland

Group ID: Group: Transport – Water

Category: Leading Lights

Curtilage/Boundary: Port Authority of New South Wales

Item Type: Built

Owner: Code 2:

Admin Codes: Navigation aid

Current Use: Navigation aid

Former Uses: Local

Assessed Significance: Local

Endorsed Significance:

Statement of Significance: Important historical evidence inter-War navigational aids essential in the safe navigation of the harbour entrance and main shipping channel.

Historical Notes or Provenance: The item is located very close to the site of the Australian Agricultural Company’s ‘A’ Pit of 1831, which was served by the first railway in Australia. While the lighthouse guided ships to the entrance of the harbour, negotiating the channel remained a difficult task. Two stone leading light towers were built in 1865, one in Perkins Street near the church of St. Mary Star of the Sea and the other in Tyrrell Street. The rear tower, which still stands, displayed a white light and the other, of which only the base remains, displayed a red light.

These lights came under much criticism. Mariners claimed that they were too close together, and that ships could stray up to 200ft. from the centre of the channel before the lights appeared to ‘open’. Following the loss of a number of ships on the Oyster Bank, the lights were dubbed the ‘misleading lights’ and were mistrusted by the harbour pilots. Despite continuing protests, it was not until 1917 that the lights were replaced by towers and lights located below Church Street and on the harbour foreshore. The present rear main lead tower below Church Street was constructed in 1917, and has recently been reconditioned.

Themes:
3. Economy

Transport

The shipping of coal and other goods
Item Name: Navigational Markers of Rear Main Lead Tower (Navigational Markers Only)
Location: Private lane off 116 Church Street, The Hill [Newcastle City] 3930002

Designer: Public Works Department, Rivers, Water Supply and Drainage Branch
Maker / Builder: Public Works Department
Year Started: 1917  Year Completed: 1917

Physical Description: Steel angle pylon navigational marker, lines up with the main lead towers located at the Newcastle Foreshore to mark correct entry line through the channel. Steel ladder access to top platform. Base enclosed by metal fencing and barbed wire.

Physical Condition: Good
Modification Dates: Unknown

Recommended Management: Asset Management Plan requires condition-based assessments to be undertaken every two years.
Management: Follow State Agency Heritage Guide

Criterion (a)
The navigational markers are important historical evidence of the navigational aids used in the inter-War period. They are located very close to the site of the Australian Agricultural Company’s ‘A’ Pit of 1831, a unique example of pioneering mining technology, served by Australia’s first railway.

Criterion (b) Criterion (c) Criterion (d) Criterion (e) Criterion (f) Criterion (g)
The navigational markers on the Rear Main Lead Tower are representative of navigational aids once used to guide entrance through the channel.

Integrity / Intactness: Good.

References:
Author Title Year
Rosemary Melville Newcastle Port Corporation History 2002

Studies:
Author Title Number Year
Suters Architects s170 Heritage & Conservation Register 2001
Item Name: Navigational Markers of Rear Main Lead Tower (Navigational Markers Only)
Location: Private lane off 116 Church Street, The Hill [Newcastle City]
SHI Number: 3930002

Location validity: 
Map Name: 
AMG Zone: 
Easting: 
Northing: 

Listings: Name: Within The Hill Conservation Area 
Title: Newcastle LEP 2012 
Number: 
Date: 15/06/12 

Custom Field One: 
Custom Field Two: 
Custom Field Three: 
Custom Field Four: 
Custom Field Five: 
Custom Field Six: 

Data Entry: Date First Entered: 16/04/14 
Date Updated: N/A 
Status: Completed
Item Name: Navigational Markers of Rear Main Lead Tower (Navigational Markers Only)
Location: Private lane off 116 Church Street, The Hill [Newcastle City]
SHI Number: 3930002

Caption: Rear Main Lead tower, from the south.
Copyright: Suters Architects
Image by: Linda Smith
Image Date: 2/08/2001
Image Number: BW2:17
Image File: 3930059.jpg
Thumb Nail Path
Item Name: Navigational Markers of Rear Main Lead Tower (Navigational Markers Only)
Location: Private lane off 116 Church Street, The Hill [Newcastle City]
SHI Number: 3930002

Image:

Caption: Rear Main Lead Tower
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 23/02/2007
Image Number:
Image Path:
Image File: 3930059a.jpg

Thumb Nail Path
### Item Name
Hydraulic Power Station (Hydraulic Engine House)

### Location
Bourke St, Carrington [Newcastle City]

### SHI Number
2170005

| **Address:** | 106 Bourke St Carrington 2294 |
| **Suburb / Nearest:** | Lot 30 DP 1190075 |
| **Town:** | |
| **Local Govt Area:** | Newcastle |
| **State:** | NSW |
| **SHI Region:** | Hunter & Central Coast |
| **Historic Region:** | Lower Hunter |
| **Parish:** | Newcastle |
| **County:** | Northumberland |

### Other/Former Names
Hydraulic Power House

### Area/Group/Complex
Group ID:

### Aboriginal Area
Awabakal

### Curtilage/Boundary

### Item Type
Built

### Group
Utilities – Water

### Category
Water Pump House

### Owner
Port of Newcastle Lessor Pty Limited

### Admin Codes: Code 2: Code 3:

### Current Use
Vacant

### Former Uses:
Generation of Hydraulic Power and Electricity

### Assessed Significance
State

### Endorsed Significance:

### Statement of Significance:
The Power House is significant as an example of civic architecture, albeit with a utilitarian purpose, showing the prestige of the Port, and particularly of the revenues derived from coal handling activity at The Dyke at the time or its erection and extension, and the importance of the cranes with their associated power source, first hydraulic and later electric as well. It is also a significant example of the Victorian Free Classical Style with detailed classical pediment, stone quoins and classical cornice. Carved window bosses feature the Rose, Shamrock and Thistle of the nations of the United Kingdom, with the head of the British Lion on door keystone, symbolising in a Colonial environment the complementary roles of the peoples of the UK (tria juncta in uno). There is some technical significance in the remnant plumbing, mechanical and electrical relics, all of which help in interpretation. Demolition of the unsympathetic rear additions of c.1906 and 1915 and eastern door awning have restored the symmetry of the building, although their disruptive effects on the northern wall have not yet been made good. This degrades the otherwise high degree of intactness of the building fabric.

### Historical Notes or Provenance:
The main structure was built in 1877 under the direction of the Public Works Department Harbours and Rivers Branch to house machinery which provided hydraulic pressure for the operation of cranes along the Dyke. The machinery was developed by engineer Sir William Armstrong for similar applications in England; it was built at the Hydraulic Machinery Factory of Sir W.G. Armstrong & Co. at Elswick, Newcastle-Upon-Tyne. Elements of the building may have been designed by Edmund Spencer in the office of the Colonial Architect, James Barnet; by Barnet himself; by Sir W.G. Armstrong & Co.; or through a collaboration of some or all of these. E.O. Moriarty of the Harbours and River Navigation Branch of the Department of Public Works exerted a strong influence on the inception of the scheme. The main engine room was constructed with locally-made bricks by Jennings & Company of Sydney. A railway siding, with a wagon turntable, supplied coal to the boilers. Extended in 1890-1891 (as originally planned) and in c.1906 and 1915. These later additions were built in connection with electric lighting of The Dyke, and electric cranes at The Basin. It was because of this that the name of ‘Power House’ was gradually adopted. Apart from the demolition of the two large chimneys, the original building remains relatively intact, although deterioration of some elements continues. The last hydraulic crane was placed out of use in 1967, after which the machinery and cranes were removed. In providing power for cranes, the hydraulic power house is believed to be the only one of its kind in Australia. The site its associated buildings are of great historic, archaeological and aesthetic value. A conserved and reconstructed roof (1990s), new main doors, and some protective glazing are now featured.
Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number: 2170005

Themes:
- National Theme
- State Theme
- Local Theme
  - 3. Economy
  - Transport
  - shipbuilding

Designer: Possibly NSW Government agency; or Sir W.G. Armstrong and Company, Hydraulic Machinery Factory, Elswick
Maker / Builder: Jennings and Company; erection supervised by John Nicholson, under E.O. Moriarty

Year Started: Year Completed: 1877
Circa:

Physical Description: Predominantly brick single storey building with decorative sandstone detail to openings, cornices, valances and corbels. A central engine room, to accommodate two engines, is flanked by twin boiler rooms. Timber windows and doors. Much carved stonework. Metal truss roof. Repaired and reconstructed slate roof (1990s). Disruption and voids to northern wall now obvious since demolition of unsympathetic additions on that elevation. Heavy cast iron guttering and downpipes. Cast iron 10” water pipes to harbour still extant. Site surrounded by man-proof fence. Interior is largely unaltered; while machinery has been removed, footings and fixing points are extant.

Physical Condition: Poor to fair. Now secured against vandalism. Pigeons entering via window of eastern accumulator tower, near roof breach. Brick mortar joints deteriorating. Much evidence of damp damage to stonework. Some incompatible patching of sandstone with cement. Damp is causing the stonework to fret, and to powder away.


Recommended Management:
Follow State Agency Heritage Guide and CMP. Further historical research needed. Establishing a suitable use for the building is crucial to its conservation. Undertake further maintenance works: birdproofing; waterproofing; preservation of significant fabric, particularly the sandstone; and repairing of the roof breach. Prepare a maintenance and documentation plan to achieve restoration, repair, maintenance and interpretation in accordance with Conservation Management Plan. Reconstruct depleted fabric as necessary.

Criterion (a) Demonstrates the important historic status of the Port, particularly that of The Dyke and The Basin, together with that of the advanced contemporary hydraulic technology. Also evidence of early electrical applications.
Criterion (b) Associated with Sir W.G. Armstrong & Co.; potentially associated with Edmund Spencer of the PWD.
Criterion (c) Important example of the Victorian Free Classical Style with detailed classical pediment, stone quoins and dentil cornice. Slight technical significance in the remnant plumbing and machinery fixings.
Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number 2170005

Criterion (d)

Criterion (e)

Criterion (f) Rare NSW example of hydraulic engine house, incorporating later adaptation to generation of electricity. Although some hydraulic plumbing is extant, significance is diminished by the removal of original machinery.

Criterion (g) Representative example of the Victorian Free Classical style of architecture.

Integrity / Intactness: Relatively intact; condition of some building elements deteriorating.

References
Sydney Morning Herald, 25 Feb 1878; Newcastle Morning Herald, August 1967, 22 Nov 1890

Studies:

NSW Dept of Commerce Carrington Hydraulic Engine House Conservation Management Plan 2005
Suters Architects Newcastle Heritage Study 1990

Latitude: Location validity: Longitude: Spatial Accuracy: Map Name: Map Scale: AMG Zone: Easting: Northing:

Listings:
State Environmental Planning Policy (Three Ports) 2013

Custom Field One:
Custom Field Two:
Custom Field Three:
Custom Field Four:
Custom Field Five:
Custom Field Six:

Data Entry: Date First Entered: 16/04/14 Date Updated: N/A Status: Incomplete
Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number: 2170005

Copyright: Expired; held by State Library of Victoria.
Image by: John Harvey
Image Date: Post-1890
Image Number:
Image Path:
Image File:
Thumb Nail Path:
**Item Name:** Hydraulic Power Station (Hydraulic Engine House)
**Location:** Bourke St, Carrington [Newcastle City]
**SHI Number:** 2170005

**Image**

![Facade and eastern boiler wing. This wing matches but post-dates the main engine room.](8861.jpg)

**Caption:** Facade and eastern boiler wing. This wing matches but post-dates the main engine room.

**Copyright:** EJE Heritage

**Image by:** David Campbell

**Image Date:** 23/10/13

**Image Number:**

**Image Path:**

**Image File:** 8861.jpg

**Thumb Nail Path:**
Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number: 2170005

Caption: Eastern facade; unsympathetic awning formerly located above door has been removed.

Copyright: EJE Heritage
Image by: David Campbell
Image Date: 23/10/2013
Image Number: BW3:2
Image Path:
Image File: 10034864.jpg
Thumb Nail Path:
Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number: 2170005

Image:

Caption: North-eastern facade. Note effects of removal of intrusive additions on this elevation.
Copyright: EJE Heritage
Image by: David Campbell
Image Date: 23/10/2013
Image Number:
Image Path:
Image File: 10034863.jpg
Thumb Nail Path:
Hydraulic Power Station (Hydraulic Engine House)
Bourke St, Carrington [Newcastle City]
2170005

Image:

Caption: Detail of north-eastern elevation.
Copyright: EJE Heritage
Image by: David Campbell
Image Date: 23/10/13
Image Number:
Image Path:
Image File: 100348834.jpg
Thumb Nail Path:
Port of Newcastle Heritage and Conservation Register

Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number: 2170005

Image:

Caption: Window adapted to provide access to now-demolished unsympathetic additions.

Copyright: EJE Heritage
Image by: David Campbell
Image Date: 23/10/13
Image Number:
Image Path:
Image File: 100348835.jpg
Thumb Nail Path:
Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number: 2170005

Caption: Northern interior.
Copyright: EJE Heritage
Image by: David Campbell
Image Date: 23/10/2013
Image Number:
Image Path:
Image File: 100348836.jpg
Thumb Nail Path:
Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number: 2170005

Caption: Main body of engine house, looking east.
Copyright: EJE Heritage
Image by: David Campbell
Image Date: 23/10/2013
Image Number:
Image Path:
Image File: 100348844.jpg
Thumb Nail Path:
Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number: 2170005

Image:

Caption: Windows and central doorway of southern facade.
Copyright: EJE Heritage
Image by: David Campbell
Image Date: 23/10/2013
Image Number:
Image Path:
Image File: 1003488849.jpg
Thumb Nail Path:
| Item Name: | Hydraulic Power Station (Hydraulic Engine House) |
| Location: | Bourke St, Carrington [Newcastle City] |
| SHI Number | 2170005 |

Caption: Interior windows.
Copyright: EJE Heritage
Image by: David Campbell
Image Date: 23/10/13
Image Number:
Image Path:
Image File: 100348854.jpg
Thumb Nail Path:
## Item Name:
**Hydraulic Power Station (Hydraulic Engine House)**

**Location:** Bourke St, Carrington [Newcastle City]

**SHI Number:** 2170005

### Image Details

- **Caption:** Interior windows.
- **Copyright:** EJE Heritage
- **Image by:** David Campbell
- **Image Date:** 23/10/13
- **Image Number:**
- **Image Path:**
- **Image File:** 100348850.jpg
- **Thumb Nail Path:**
Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number: 2170005

Caption: Interior view of the powerhouse.
Copyright: Suters Architects
Image by: Euan Melville
Image Date: 23/10/13
Image Number: BW3:12
Image Path:
Image File: 393000338jpg
Thumb Nail Path: 
Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number: 2170005

Caption: Interior view of the powerhouse, showing deterioration of sandstone.
Copyright: EJE Heritage
Image by: David Campbell
Image Date: 23/10/13
Image Number: BW3:13
Image Path:
Image File: 1003489300039.jpg
Thumb Nail Path:
Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number: 2170005

Image:

Caption: Portion of Western Elevation
Copyright: EJE Heritage
Image by: David Campbell
Image Date: 23/10/13
Image Number:
Image Path:
Image File: 100348857.jpg
Thumb Nail Path:
Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number: 2170005

Caption: Void from removed engine, showing iron or steel flooring.
Copyright: EJE Heritage
Image by: David Campbell
Image Date: 23/10/13
Image Number:
Image Path:
Image File: 100348848.jpg
Thumb Nail Path:
Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number: 2170005

Caption: Engine House Roof

Copyright: ABC Newcastle
Image by:
Image Date: 09/2012
Image Number:
Image Path:
Image File:
Thumb Nail Path:
Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number: 2170005

Caption: Detail of treatment of main entrance.
Copyright: EJE Heritage
Image by: David Campbell
Image Date: 23/10/2013
Image Number:
Image Path:
Image File: 100348860.jpg
Thumb Nail Path:
Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number: 2170005

Caption: Eastern elevation; former chimney aperture was originally arched. Pigeons enter through broken tower window.

Copyright: EJE Heritage
Image by: David Campbell
Image Date: 23/10/2013
Image Number:
Image Path:
Image File: 100348862.jpg
Thumb Nail Path:
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<td>Location:</td>
<td>Bourke St, Carrington [Newcastle City]</td>
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<tr>
<td>SHI Number</td>
<td>2170005</td>
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**Caption:** Motifs of the nations of the United Kingdom: carved bosses; lion-head keystone above main entrance. The wings each feature shamrock motifs. The lion, flanked by the national motifs and reminiscent of similar uses in public architecture, is a central unifying symbol.

**Copyright:** EJE Heritage

**Image by:** David Campbell

**Image Date:** 23/10/13

**Image Number:**

**Image Path:**

**Image File:** 10034
Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number: 2170005

Caption: Eastern accumulator tower
Copyright: EJE Heritage
Image by: David Campbell
Image Date: 23/10/2013
Image Number:
Image Path:
Image File: 100348865.jpg
Thumb Nail Path:
Item Name: Hydraulic Power Station (Hydraulic Engine House)
Location: Bourke St, Carrington [Newcastle City]
SHI Number: 2170005

Caption: Window of eastern boiler wing; note shamrock motif
Copyright: EJE Heritage
Image by: David Campbell
Image Date: 23/10/2013
Image Number:
Image Path:
Image File: 100348866.jpg
Thumb Nail Path:
Item Name: Morison & Bearby Building (Facade Only)
Location: 92 Hill Street, Carrington [Newcastle City]
SHI Number: 3930004

Address: 92 Hill Street Carrington 2294
Suburb / Nearest: Lot 11 DP 1023961
Town: Newcastle
Local Govt Area: Lot 11 DP 1023961
State: NSW
Historic Region: Lower Hunter
Local Endorsed Significance:

SHI Number: 3930004
Port of Newcastle Lessor Pty Limited

Aboriginal Area: Awabakal
Curtailage/Boundary: Lot Boundary Heritage Curtailage
Item Type: Built
Owner: Port of Newcastle Lessor Pty Limited

Current Use: Engineering Firm Offices
Former Uses: Engineering Company Office
Admin Codes: Code 2: Code 3: Endorsed Significance:

Significance: Local
Historical Notes or Provenance:

Statement of Significance: Historical significance as the offices of Morison and Bearby, a well known local engineering works. The building is also a representative, although restrained example, of the Late Art Deco style as built in the immediate Post-War period.

Historical Notes or Provenance: Former offices of local engineering firm, Morison and Bearby. Constructed in 1945. The partnership took its rise from the establishment in 1874 of James Morison's 'Soho Foundry'. In 1883 the firm employed 120 workers and was manufacturing marine and stationary engines and boilers, girders and machinery for various mining and industrial concerns. By the 1920s the works covered four acres west of the Hydraulic Engine House, and its workforce of 300 was producing a wide range of products which had expanded to include cranes and grabs, air compressors, large centrifugal fans, valves, hydrants and electrical switchgear. The firm was taken over by Brambles Ltd in 1958. The building was, in 1994, purchased by the Maritime Services Board of NSW. It is now owned by Port of Newcastle Lessor Pty Limited, by which it is partially used. Parts of the building are leased to external commercial entities.

Themes: National Theme: 3. Economy
State Theme: Commerce
Local Theme: (none)

Designer: Unknown
Maker / Builder: Unknown
Item Name: Morison & Bearby Office Building (Facade Only)
Location: 92 Hill Street, Carrington [Newcastle City]
SHI Number: 3930004

Year Started: 1945  
Year Completed:  
Circa: No

Physical Description: Restrained Late Art Deco style of the Post War Period brick building with timber and aluminum windows and ceramic tile detailing to facade. 'M&B' logo on front facade. Small balcony over entry. Addition to the north is in plain brick, with aluminum windows, addressing Hill Street, supported by columns with parking beneath.

Physical Condition: Good.

Modification Dates: Unknown.

Recommended Management: Conserve in accordance with listing on Newcastle LEP 2012.

Management: Follow State Agency Heritage Management Guide

Further Comments:

Criterion (a) Offices of Morison and Bearby, a local engineering works prominently associated with coal mining and shipping.

Criterion (c) A restrained example of a facade in the Late Art Deco style, built in the immediate post-War period.

Criterion (e) Representative example of a Late Art Deco facade, in the style of the immediate post-War period.

Integrity / Intactness: Good

References:

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<th>Studies:</th>
<th>Author</th>
<th>Title</th>
<th>Number Year</th>
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<td>Suters Architects</td>
<td>s170 Heritage &amp; Conservation Register</td>
<td>2001</td>
<td></td>
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Parcels: 
Latitude: 
Location validity: 
Map Name: 
AMG Zone: 
Easting: 
Northing: 
Listings: Name: SEPP(Three Ports) 2013 
Title: Former Morison & Bearby W2118 02L 
Number: 8/08/2003
Item Name: Morison & Bearby Building (Facade Only)
Location: 92 Hill Street, Carrington [Newcastle City]
SHI Number: 3930004

Custom Field One:
Custom Field Two:
Custom Field Three:
Custom Field Four:
Custom Field Five:
Custom Field Six:

Data Entry: Date First Entered: 16/04/14  Date Updated: N/A  Status: Completed
Port of Newcastle Heritage and Conservation Register

**Item Name:** Morison & Bearby Building (Facade Only)

**Location:** 92 Hill Street, Carrington [Newcastle City]

**SHI Number:** 3930004

**Image:**

![Image of Morison & Bearby Building (Facade Only)](3930005a.jpg)

**Caption:** The Hill Street facade of the building.

**Copyright:** Suters Architects

**Image by:** Euan Melville

**Image Date:** 15/08/2001

**Image Number:** BW3:16

**Image Path:**

**Image File:** 3930005a.jpg

**Thumb Nail Path:**
Item Name: Morison & Bearby Building (Facade Only)
Location: 92 Hill Street, Carrington [Newcastle City]
SHI Number: 3930004

Caption: The foundation stone of the building.
Copyright: Suters Architects
Image by: Euan Melville
Image Date: 15/08/2001
Image Number: BW3:17
Image Path:
Image File: 3930005b.jpg
Thumb Nail Path:
Morison & Bearby Building (Facade Only)
92 Hill Street, Carrington [Newcastle City]
3930004

Caption: Hill Street facade of the Morison and Bearby Building
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 23/02/2007
Image Number:
Image Path:
Image File: 3930005i.jpg
Thumb Nail Path:
Item Name: Southern Breakwater
Location: Newcastle East [Newcastle City]
SHI Number 3930011

Address: Lot 101, DP 1190502
Suburb / Nearest Town: Newcastle East 2300
Local Govt Area: Newcastle
State: NSW

DP&I Region: Hunter & Central Coast
Historic Region: Lower Hunter
Parish: Newcastle
County: Northumberland

Other/Former Names: Awabakal
Curtilage/Boundary:

Item Type: Built
Group: Transport – Water
Category: Breakwater
Owner: NSW Roads and Maritime

Admin Codes: Code 2: Code 3:
Current Use: Breakwater
Former Uses: Breakwater
Assessed Significance: Local

Statement of Significance: Significant as part of major public works undertaken to provide a safe entrance to Newcastle Harbour (from 1875), leading to the development of the modern Port of Newcastle.

Historical Notes or Provenance: The first stage of the breakwater was built between 1875 and 1883. Its purpose was to protect vessels from the reef which extended as far as Big Ben Rock. A large fog warning bell was installed in 1878. It was replaced by an electronic system in the 1950s, but continued to be use as a back-up until 1958. The old bell is now housed in the Newcastle Maritime Centre. The breakwater was repaired and extended by 300 ft. in 1896, the last 100 ft. being strengthened by increasing it to three times the former width. A red light was erected about 800 feet from the end of the breakwater, but was replaced in 1910 with a 30-day Wigham light, carried on a substantial tower constructed within 200 feet of the end of the breakwater. The fog bell was also located in this tower. A further extension of 460 ft. was completed in 1913.

For reasons of public safety, in 1976 vehicular access to the breakwater was restricted by the erection of a gate near the road leading to Nobbys lighthouse and signal station. To mark Newcastle's Bicentenary, a series of bas relief sculptures reflecting the region's maritime and Indigenous heritage was commissioned by Newcastle Port Corporation to enhance the Southern Breakwater. Work to maintain the breakwater continues to this day.

Themes: National Theme State Theme Local Theme
3. Economy Environment - cultural landmark 3. Economy Transport The shipping of coal and other goods
Item Name: Southern Breakwater
Location: Newcastle East [Newcastle City]
SHI Number 3930011

Designer: Overall scheme by Edward Orpen Moriarty, Engineer in Chief for Harbours and River Navigation PWD
Maker / Builder: Department of Public Works

Year Started: 1875 Year Completed: 1896 Circa:

Physical Description: Constructed originally of quarried stone, later strengthened with anti-tank tetrahedrons and and heavy builder’s rubble. Large blocks of mass concrete have been used in recent times. A wide, level concrete pathway is provided for maintenance vehicles and pedestrians. Some of the railway along which stone was originally moved may still be extant beneath the surface. Five bas-relief sculptures, completed by Julie Squires and others in celebration of the Newcastle Bicentennial, line part of the southern side, addressing the pathway. A timber framed tower supporting the beacon warning light stands at the eastern extremity, with solar powered light and control gear.

Physical Condition: Generally good.

Modification Dates: Various.
Recommended Management: Conserve and maintain in accordance with MP. Consider installation of interpretive media.

Management: Follow State Agency Heritage Guide
Criterion (a) Significant as part of major public works undertaken to provide a safe entrance to Newcastle Harbour (1875), leading to the development of the Port of Newcastle.
Criterion (b)
Criterion (c) Significant aesthetically as a dominant visual landmark element.
Criterion (d)
Criterion (e) Archaeological potential as part of the extension to Macquarie Pier.
Criterion (f)
Criterion (g)

Integrity / Intactness: Good

References:
Suters Architects Macquarie Pier and Nobbys Head Conservation Management Plan 2000

Studies:
Suters Architects s170 Heritage & Conservation Register 2001
**Item Name:** Southern Breakwater  
**Location:** Newcastle East [Newcastle City]  
**SHI Number:** 3930011

**Latitude:**  
**Longitude:**  
**Location validity:**  
**Spatial Accuracy:**  
**Map Name:**  
**Map Scale:**

**AMG Zone:**

**Listings:**

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<td>Coal River Precinct</td>
<td>01674</td>
<td>19/12/03</td>
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<td></td>
<td>Nobby's Head (Former Island)</td>
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| National Trust of Australia Classification (non-statutory)          | 2221 01 S                                  |        |            |

| Register of the National Estate (non-effective)                    | Nobbys Lighthouse, Headland and Breakwater | 100016 | 21/10/80   |

| State Environmental Planning Policy (Three Ports) 2013              |                                            |        | 2005       |

**Custom Field One:**

**Custom Field Two:**

**Custom Field Three:**

**Custom Field Four:**

**Custom Field Five:**

**Custom Field Six:**

**Data Entry:** Date First Entered: 16/04/15  
**Date Updated:** N/A  
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</tr>
<tr>
<td>SHI Number:</td>
<td>3930011</td>
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</table>

Image:

![Southern Breakwater Looking East](3930011a.jpg)

**Caption:** Southern breakwater looking east.

**Copyright:** Suters Architects

**Image by:** Linda Smith

**Image Date:** 30/07/2001

**Image Number:** BW1:17

**Image Path:**

**Image File:** 3930011a.jpg

**Thumb Nail Path:**
Southern Breakwater
Newcastle East [Newcastle City]
3930011

Image:

Caption: The Southern Breakwater looking west, with Nobbys at left.
Copyright: Suters Architects
Image by: Linda Smith
Image Date: 30/07/2001
Image Number: BW1:18
Image Path:
Image File: 3930011b.jpg
Thumb Nail Path:
**Item Name:** Southern Breakwater  
**Location:** Newcastle East [Newcastle City]  
**SHI Number:** 3930011

**Image:**

![Detail of the eastern end of southern breakwater, showing mass concrete block wall construction and bas-relief sculptures.](image-url)

**Caption:** Detail of the eastern end of southern breakwater, showing mass concrete block wall construction and bas-relief sculptures.

**Copyright:** Suters Architects  
**Image by:** Linda Smith  
**Image Date:** 30/07/2001  
**Image Number:** BW1:19  
**Image Path:**  
**Image File:** 3930011c.jpg  
**Thumb Nail Path:**
Southern Breakwater
Newcastle East [Newcastle City]
3930011

Caption: Southern Breakwater
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 9/03/2007
Image Number:
Image Path:
Image File: 3930011d.jpg
Thumb Nail Path:
Port of Newcastle Heritage and Conservation Register

Item Name: **Wreck of Adolphe**
Location: End of King Street, Stockton [Newcastle City]
SHI Number: 2171414

**Address:** End of King Street
**Suburb / Nearest Town:** Stockton 2295
**Local Govt Area:** Newcastle
**State:** NSW
**State:** NSW
**DP&I Region:** Hunter & Central Coast
**Historic Region:** Lower Hunter
**Parish:** Newcastle
**County:** Northumberland

**Other/Former Names:** Adolphe Wreck
**Aboriginal Area:** Awabakal

**Item Type:** Built
**Group:** Transport - Water
**Category:** Maritime

**Owner:** NSW Roads and Maritime
**Admin Codes:**

**Current Use:** Shipwreck
**Former Uses:** Shipwreck

**Assessed Significance:** Local
**Endorsed Significance:**

**Statement of Significance:**
Historically significant as a shipwreck of a four-masted steel-hulled French barque. Illustrates the past dangers of the entrance to Port Hunter, specifically of the shoal known as the Oyster Bank.

**Historical Notes or Provenance:**
A 3,200-ton four-masted steel barque, built in 1902 by Chantiers de France, Dunkerque. Fully rigged with double top- and topgallant sails. After 10AM on the morning of 30 September 1904, 85 days out from Antwerp, she was being towed into port by the tugs *Hero* and *Victoria*, but was forced by heavy seas on to the earlier wreck of the *Colonist*, before grounding on other submerged shipwrecks on the shoal water known as the Oyster Bank. All 32 of the crew were supported by the Pilot steamer *Ajax*. The French Consul recognised these efforts through an official visit. Work had begun in 1898 on a new breakwater extending 3,000 feet towards the Oyster Bank, which had claimed many ships and lives of ships' companies and passengers. Following the wreck of *Adolphe*, it was decided to close the gap between the then end of the breakwater and the wreck, to stop the flow of sand from Stockton Bight and to improve tidal scour. This was achieved by 1906, and involved the scuttling of two steam hulks and thirteen hopper punts laden with stone. The new breakwater was constructed over 10 known wrecks, including those of *Regent Murray*, *Wendouree*, *Cawarra*, *Colonist* and *Lindus*, the latter three lying beneath *Adolphe*. The remaining masts of *Adolphe* were cut down, and the stern section was later dynamited to discourage trespass and misadventure. A cantilevered observation platform has been built to allow the safe viewing of the wreck, which is gradually deteriorating.

**Themes:**
- National Theme
  - 3. Economy
- State Theme
  - 3. Economy
- Local Theme
  - Commerce
  - The shipping of coal and other goods
Port of Newcastle Heritage and Conservation Register

| Item Name: | Wreck of Adolphe |
| Location: | End of King Street, Stockton [Newcastle City] |
| SHI Number | 2171414 |
| Designer: | Chantiers de France, Dunkirk (Dunkirk). |
| Maker / Builder: | As above. |
| Year Started: | 1902 |
| Year Completed: | 1902 |
| Circa: | No |

**Physical Description:** Shipwreck partially submerged. Remains of much of bow section visible above water or under water; stern section blown off and invisible. What remains of steel and cement decks are subsiding across lower deck; lower deck ironwork plainly visible at low tide. Ship’s stem and hawse pipes remain; bulwarks now entirely depleted. Cantilevered viewing platform, of timber and steel, extends over part of stern portion of wreck, allowing viewing down length of wreck.

**Physical Condition:** Ruinous.

**Modification Dates:** Stern section blown off; masts cut down; gradual, accelerating deterioration.

**Recommended Management:** Follow State Agency Heritage Guide; allow to continue to deteriorate through natural processes.

**Management:** Carry out interpretation, promotion and/or education; maintain viewing platform and signage.

**Further Comments:**

- **Criterion (a)** Historically significant as wreck of four-masted French iron-hulled barque.
- **Criterion (e)** Illustrates former dangers of port entrance; shows beneficial effects of harbour works, particularly breakwater.
- **Criterion (g)** Ruinous.

**Integrity / Intactness:** Ruinous.

**References:**

<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Armstrong</td>
<td>Shaping the Hunter: The Engineering Heritage, Newcastle</td>
<td>1983</td>
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<tr>
<td>Rosemary Melville</td>
<td>‘History of Port of Newcastle’</td>
<td>2002</td>
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<tr>
<td>Terry Callen</td>
<td>Bar Dangerous, Newcastle; Bar Safe, Newcastle</td>
<td>1986; 1994</td>
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**Port of Newcastle Heritage and Conservation Register**

**Item Name:** Wreck of *Adolphe*

**Location:** End of King Street, Stockton [Newcastle City]

**SHI Number:** 2171414

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<td>Wreck of <em>Adolphe</em></td>
<td>2012</td>
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<th>Status: Completed</th>
</tr>
</thead>
</table>

Full
Item Name: Wreck of Adolphe
Location: End of King Street, Stockton [Newcastle City]
SHI Number: 2171414

Image:

Caption: View looking west, showing the Adolphe wreck cantilever observation platform.
Copyright: Suters Architects
Image by: Euan Melville
Image Date: 18/09/2001
Image Number: 1
Image Path:
Image File: 3930016c.jpg
Thumb Nail Path:
Item Name: Wreck of Adolphe
Location: End of King Street, Stockton [Newcastle City]
SHI Number: 2171414

Caption: Post-1906, pre-1912 view of Adolphe wreck.
Copyright: Expired; in public domain.
Image by: Unknown; held by State Library of Queensland, John Oxley Library.
Image Date: Post-1906, pre-1912.
Image Number: 3
Image Path: 
Image File: 
Thumb Nail Path:
Wreck of Adolphe
End of King Street, Stockton  [Newcastle City]
2171414

Caption: Adolphe wreck, looking for’ard; little now remains of the upper deck. Note structural members of lower deck. Portions of hull may remain below water.

Copyright: Creative Commons Licence
Image by: Mark McIntosh
Image Date: 26/08/07
Image Number: 5
Image Path:
Image File: 3930016a.jpg
Thumb Nail Path:
Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.15**
Location: **Carrington [Newcastle City]**
SHI Number 3930019

**Address:** 140 Bourke Street Carrington 2294
Suburb / Nearest: Lot 5 DP 1104199
**DP&I Region:** Hunter & Central Coast
Town: Lot 5 DP 1104199
**Historic Region:** Lower Hunter
Local Govt Area: Newcastle
**Suburb / Nearest Town:** Lot 5 DP 1104199
State: New South Wales
**Parish:** Newcastle
Local Govt Area: Newcastle
**County:** Northumberland

**Other/Former Names:**

Area/Group/Complex: Dyke Point Crane Bases
Aboriginal Area: Awabakal

**Curtilage/Boundary:**

**Item Type:** Built
**Group:** Transport - Water
**Category:** Other - Transport - Water
Owner: NSW Roads and Maritime
Admin Codes: Code 2: Code 3:

**Current Use:**

**Former Uses:** Crane base
**Assessed Local Significance:**

**Significance:**

**Statement of Significance:**
This crane base is significant as a remnant of one of 12 hydraulic cranes installed along The Dyke between 1877-1888. The crane bases are historically significant as a record of the essential importance of these machines in the working of the Port. This crane was removed in 1909.

**Historical Notes or Provenance:**
Between 1877 and 1888, twelve cranes were installed along The Dyke. They were operated by hydraulic power provided by the nearby Hydraulic Power House.

This was the base for one of four cranes installed in 1888. It became known as Dyke Crane No.12 and had a lifting capacity of 9 tons and could reach beyond the front of the wharf for a distance of 18 ft. The crane was used for coal loading, lifting coal hoppers from their underframes for release of the coal directly into ship’s holds. Hydraulic cranes were used from 1877 until c.1936, but the last crane was not removed until 1964.

Dyke Crane No. 14 was removed to make way for the McMyler hoist, which was erected between Cranes 14 and 15 in 1909.

**Themes:**

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<th>National Theme</th>
<th>State Theme</th>
<th>Local Theme</th>
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<tbody>
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<td>Technology</td>
<td>coal loading</td>
</tr>
<tr>
<td>3. Economy</td>
<td>Transport</td>
<td>The shipping of coal and other goods</td>
</tr>
</tbody>
</table>

**Designer:** Sir W.G. Armstrong and Company, Elswick, Newcastle upon Tyne
Crane Base No.15
Carrington [Newcastle City]
3930019

Maker / Builder: Year Started: 1877  Year Completed: 1888  Circa: Yes

Physical Description: Circular brick structure with remnant large square section timber beams protruding and concrete infill. Small square concrete slab with steel bollard on top.


Modification Dates: Unknown.

Recommended Management: The Capital Dredging Project Approval provides for the demolition of the item to make way for the Dyke Berth Box.

Management: Follow State Agency Heritage Guide with regard to demolition.

Further Comments:

Criterion (a) The crane base is significant as a remnant of one of 12 hydraulic cranes installed along the dyke between 1877-1888. The crane bases are historically significant as a record of the central importance of these machines in the working of the Port. The crane was removed in 1909.

Criterion (b)
Criterion (c)
Criterion (d)
Criterion (e)
Criterion (f)
Criterion (g) All though not intact, the location of the cranes and the process by which coal was loaded is demonstrated by this item.

Integrity / Intactness: Fair to Poor

References:

Studies: Author: Suters Architects
Title: s170 Heritage & Conservation Register
Number: 2001

Parcels:
Latitude: Longitude:
Location validity: Spatial Accuracy:
Map Name: Map Scale:

AMG Zone: Easting:
Location: Northing:
Number: Date: 2011

Listings: State Environmental Planning Policy (Three Ports) 2013
Bullock Island Crane Bases
Number: Date: 2011
Port of Newcastle Heritage and Conservation Register

Item Name: Crane Base No.15
Location: Carrington [Newcastle City]
SHI Number: 3930019

Custom Field One:
Custom Field Two:
Custom Field Three:
Custom Field Four:
Custom Field Five:
Custom Field Six:

Data Entry: Date First Entered: 03/08/2001 Date Updated: 28/09/2013 Status: Completed
Crane Base No.15
Carrington [Newcastle City]
3930019

Caption: Crane Base No.15.
Copyright: Suters Architects
Image by: Euan Melville
Image Date: 7/09/2001
Image Number: BW4:1
Image Path:
Image File: 3930019.jpg
Thumb Nail Path:
Port of Newcastle Heritage and Conservation Register

Item Name: Crane Base No.15
Location: Carrington [Newcastle City]
SHI Number: 3930019

Caption: Crane Base No.15
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 16/02/2007
Image Number:
Image Path:
Image File: 3930019b.jpg
Thumb Nail Path:
Item Name: **Crane Base No.14**

Location: **Carrington [Newcastle City]**

SHI Number **3930020**

**Address:** 140 Bourke Street Carrington 2294

**Suburb / Nearest Town:** Lot 5 DP 1104199

**Local Govt Area:** Newcastle

**State:** NSW

**DP&I Region:** Hunter & Central Coast

**Historic Region:** Lower Hunter

**Parish:** Newcastle

**County:** Northumberland

**Other/Former Names:**

**Area/Group/Complex:** Dyke Point Crane Bases

**Aboriginal Area:** Awabakal

**Curtilage/Boundary:** Dyke Crane No. 14 was removed post-1908 because it was too close to the McMyler hoist, which was erected between Cranes No.14 and No. 15 in 1909.

**Item Type:** Built

**Group:** Transport - Water

**Category:** Other - Transport - Water

**Owner:** NSW Roads and Maritime

**Admin Codes:**

**Code 2:**

**Code 3:**

**Current Use:**

**Assessed Significance:**

**Statement of Significance:**

The crane base (9 ton crane) is significant as a remnant of one of 12 hydraulic cranes installed along the dyke between 1877-1888. The crane bases are historically significant as a record of the essential importance of these machines in the working of the Port. These cranes were used from the 1870s until c1936 for the loading of coal.

**Historical Notes or Provenance:**

Between 1877 and 1888, twelve cranes were installed along The Dyke. They were operated by hydraulic power provided by the nearby Hydraulic Engine House.

This was the base for one of four cranes installed in 1888. It became known as Dyke Crane No.12 and had a lifting capacity of 9 tons and could reach beyond the front of the wharf for a distance of 18 ft. The crane was used essentially for coal loading, lifting coal hoppers from their underframes for release of the coal directly into the ships. Hydraulic cranes were used from 1877 until c.1936 but the last crane was not removed until 1964.

Dyke Crane No. 14 was removed post-1908 because it was too close to the McMyler hoist, which was erected between Cranes No.14 and No. 15 in 1909.

**Themes:**

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<th>Local Theme</th>
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<td>Coal loading</td>
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<tr>
<td>3. Economy</td>
<td>Transport</td>
<td>The shipping of coal and other goods</td>
</tr>
</tbody>
</table>

**Designer:**
Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.14**  
Location: **Carrington [Newcastle City]**  
SHI Number: 3930020

**Maker / Builder:** Design by Armstrong & Co.; builder unknown  
**Year Started:** 1877  
**Year Completed:** 1888  
**Circa:** Unknown.

**Physical Description:** Circular brick structure with concrete infill. Small square concrete plinth with steel bollard on top.

**Physical Condition:** Fair to poor. Mortar deteriorated and missing in places; brickwork missing in places.

**Modification Dates:** Unknown.

**Recommended Management:** The Capital Dredging Project Approval provides for the demolition of the item to make way for the Dyke Berth Box.

**Management:** Follow State Agency Heritage Guide with regard to demolition.

**Further Comments:** The crane base is significant as a remnant of one of 12 hydraulic cranes installed along the dyke between 1877-1888. The crane bases are historically significant as a record of the essential importance of these machines in the working of the Port. These cranes were used from the 1870s until c1936 for the loading of coal.

**Criterion (a)**

**Criterion (b)**

**Integrity / Intactness:** Fair to Poor.

**References:**

**Studies:**
- Suters Architects  
- NSW Department of Commerce

**Title**  
- Heritage & Conservation Register  
- CMP for Carrington Hydraulic Power

**Number**  
- s170  
- House

**Year**  
- 2001  
- 2005

**Parcels:**
- Location validity:  
- Map Name:  
- AMG Zone:  
- Listings: State Environmental Planning Policy (Three Ports) 2013

**Latitude:**  
**Longitude:**  
**Spatial Accuracy:**

**Easting:**  
**Title:** Bullock Island Crane Bases  
**Number:**  
**Date:** 2011

**Northing:**

49
Item Name:  **Crane Base No.14**
Location: **Carrington [Newcastle City]**
SHI Number: **3930020**

**Criterion (c)**

**Criterion (d)**

**Criterion (e)**

**Criterion (f)**

**Criterion (g)**  All though not intact, the item demonstrates the former location of the cranes, and the process by which coal was loaded.

**Custom Field One:**

**Custom Field Two:**

**Custom Field Three:**

**Custom Field Four:**

**Custom Field Five:**

**Custom Field Six:**

**Data Entry:**  Date First Entered: 03/08/2001  Date Updated: 28/09/2013  Status: Completed
Port of Newcastle Heritage and Conservation Register

Item Name: Crane Base No.14
Location: Carrington [Newcastle City]
SHI Number: 3930020

Image:

Caption: Crane Base No.2
Copyright: Suters Architects
Image by: Euan Melville
Image Date: 7/09/2001
Image Number: BW4:5
Image Path:
Image File: 3930020.jpg
Thumb Nail Path:
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<td><strong>SHI Number</strong></td>
<td><strong>3930020</strong></td>
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</table>

**Caption:** Crane Base No.14

**Copyright:** EJE Architecture

**Image by:** Shea Hedley

**Image Date:** 16/02/2007

**Image Number:**

**Image Path:**

**Image File:** 3930020b.jpg

**Thumb Nail Path:**
**Port of Newcastle Heritage and Conservation Register**

**Item Name:** Crane Base No.13  
**Location:** Carrington [Newcastle City]  
**SHI Number:** 3930021

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<td>Newcastle</td>
</tr>
<tr>
<td><strong>County:</strong></td>
<td>Northumberland</td>
</tr>
</tbody>
</table>

| **Other/Former Names:** | Dyke Point Crane Bases |
| **Aboriginal Area:** | Awabakal |

| **Item Type:** | Built |
| **Group:** | Transport - Water |
| **Category:** | Other - Transport - Water |

| **Admin Codes:** | Code 2: |
| **Code 3:** | |

| **Owner:** | NSW Roads and Maritime |
| **Current Use:** | |
| **Former Uses:** | Crane base |

| **Assessed Significance:** | Local |
| **Endorsed Significance:** | |

**Statement of Significance:**

The crane base (9 ton crane) is significant as a remnant of one of 12 hydraulic cranes installed along the dyke between 1877-1888. The crane bases are historically significant as a record of the essential importance of these machines in the working of the Port. These cranes were used from the 1870s until c1936 for the loading of coal. Between 1877 and 1888, twelve cranes were installed along The Dyke. They were operated by hydraulic power provided by the nearby Hydraulic Power House. 

**Historical Notes or Provenance:**

This was the base for one of four cranes installed in 1888. It became known as Dyke Crane No.12, and had a lifting capacity of 9 tons and could reach beyond the front of the wharf for a distance of 18 ft. The crane was used essentially for coal loading, lifting coal hoppers from rail bogies for release of the coal directly into the ships. Hydraulic cranes were used from 1877 until c.1936 but the last crane was not removed until 1964.

Dyke Crane No.13 was replaced in 1911 by a 15 ton crane which appears to have been located slightly to the north on a new crane base (13a) The replacement 15 ton crane was one of the last to be demolished.

**Themes:**

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<th>State Theme</th>
<th>Local Theme</th>
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<td>Coal loading</td>
</tr>
<tr>
<td>3. Economy</td>
<td>Transport</td>
<td>The shipping of coal and other goods</td>
</tr>
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**Designer:** Unknown
Item Name: **Crane Base No.13**  
Location: **Carrington [Newcastle City]**  
SHI Number: **3930021**

**Maker / Builder:**

**Year Started:** 1877  
**Year Completed:** 1888  
**Circa:** No

**Physical Description:** Circular brick structure with concrete infill. Large square concrete slab with steel bollard on top and stainless steel ladder descending into harbour. Timber bridge platform gives access from shore.

**Physical Condition:** Fair to poor. Mortar deteriorated and missing in places. Brickwork missing in places. Steel ladder is rusting in places.

**Modification Dates:** Unknown.

**Recommended Management:** Follow Conservation Management Plan 2005

**Further Comments:**

**Criterion (a)** The crane base is significant as a remnant of one of 12 hydraulic cranes installed along the dyke between 1877-1888. The crane bases are historically significant as a record of the essential importance of these machines in the working of the Port. These cranes were used from the 1870s until c1936 for the loading of coal.

**Criterion (b)**

**Criterion (c)**

**Criterion (d)**

**Criterion (e)**

**Criterion (f)**

**Criterion (g)** All though not intact the location and process by which coal was loaded can be demonstrated by this item.

**Integrity / Intactness:** Fair to Poor

**References:**

**Studies:**  
Suters Architects  
s170 Heritage & Conservation Register  
2001

**Parcels:**

**Latitude:**  
**Longitude:**

**Location validity:**  
**Spatial Accuracy:**

**Map Name:**  
**Map Scale:**

**Parcels:**

**Latitude:**  
**Longitude:**
Port of Newcastle Heritage and Conservation Register

Location validity:  
Map Name:  

Spatial Accuracy:  
Map Scale:  

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AMG Zone:  
Easting:  
Northing:  

55
Item Name: Crane Base No.13
Location: Carrington [Newcastle City] 3930021

Listings:
- Name: State Environmental Planning Policy (Three Ports) 2013
- Title: Bullock Island Crane Bases
- Date: 2011

Custom Field One:
Custom Field Two:
Custom Field Three:
Custom Field Four:
Custom Field Five:
Custom Field Six:

Data Entry: Date First Entered: 03/08/2001
Date Updated: 28/09/2013
Status: Completed
Item Name: Crane Base No.13
Location: Carrington [Newcastle City]
SHI Number: 3930021

Caption: Crane Base No.13.
Copyright: Suters Architects
Image by: Linda Smith
Image Date: 7/09/2001
Image Number: BW4:9
Image Path:
Image File: 3930021.jpg
Thumb Nail Path:
Item Name: Crane Base No.13
Location: Carrington [Newcastle City]
SHI Number 3930021

Image:

Caption: Crane Base No.13
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 16/02/2007
Image Number:
Image Path:
Image File: 3930021d.jpg
Thumb Nail Path:
Item Name: Crane Base No.13
Location: Carrington [Newcastle City]
SHI Number 3930021

Image:

Caption: Crane Base No.13
Copyright:
Image by: Shea Hedley
Image Date:
Image Number:
Image Path:
Image File: 3930021b.jpg
Thumb Nail Path:
Port of Newcastle Heritage and Conservation Register

Item Name: Crane Base No.13
Location: Carrington [Newcastle City]
SHI Number: 3930021

Image:

Caption: Detail of Crane Base No.13
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 16/02/2007
Image Number:
Image Path: 
Image File: 3930021c.jpg
Thumb Nail Path:
**Item Name:** Crane Base No.10  
**Location:** Carrington [Newcastle City]  
**SHI Number:** 3930022

<table>
<thead>
<tr>
<th>Address:</th>
<th>140 Bourke Street Carrington 2294</th>
<th><strong>DP&amp;I Region:</strong> Hunter &amp; Central Coast</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suburb / Nearest</td>
<td>Lot 5 DP 1104199</td>
<td><strong>Historic Region:</strong> Lower Hunter</td>
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<tr>
<td>Town:</td>
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<td>Local Govt Area:</td>
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<td><strong>Parish:</strong></td>
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<td>State:</td>
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<td>SHI Number:</td>
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</tr>
<tr>
<td>Other/Former Names:</td>
<td></td>
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<tr>
<td>Area/Group/Complex:</td>
<td>Dyke Point Crane Bases</td>
<td><strong>Group ID:</strong></td>
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<tr>
<td>Aboriginal Area:</td>
<td>Awabakal</td>
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<tr>
<td>Curtilage/Boundary:</td>
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<tr>
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<td></td>
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<tr>
<td>Current Use:</td>
<td>Submerged below dolphin</td>
<td><strong>Code 3:</strong></td>
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<tr>
<td>Former Uses:</td>
<td>Crane base</td>
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</tr>
<tr>
<td>Assessed Significance:</td>
<td>Local</td>
<td><strong>Endorsed Significance:</strong></td>
</tr>
<tr>
<td>Significance:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Statement of Significance:</td>
<td>The crane base (15 ton crane) is significant as a remnant of one of the original 12 hydraulic cranes installed along the dyke between 1877-1888 operated by hydraulic power provided by the nearby Hydraulic Power House. The crane bases are historically significant as a record of the essential importance of these machines in the working of the Port. These cranes were used from the 1870s until c.1936 for the loading of coal.</td>
<td></td>
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</tbody>
</table>

**Historical Notes or Provenance:** Between 1877 and 1888, twelve cranes were installed along The Dyke. They were operated by hydraulic power provided by the nearby Hydraulic Power House. This was the base for one of the first cranes, installed in 1878 and subsequently known as Dyke Crane No. 10. It had a lifting capacity of 15 tons and could reach beyond the front of the wharf for a distance of 15 ft. 6ins. It was raised 3 metres in 1911. The crane was used for coal loading, lifting coal hoppers from their underframes for release directly into ships’ holds. Hydraulic cranes were used from 1877 until c.1936, but the last crane was not removed until 1964. Dyke Crane No.10 was decommissioned in the 1930s and demolished in 1956.

**Themes:**

<table>
<thead>
<tr>
<th>National Theme</th>
<th>State Theme</th>
<th>Local Theme</th>
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<tbody>
<tr>
<td>3. Economy</td>
<td>Technology</td>
<td>coal loading</td>
</tr>
<tr>
<td>3. Economy</td>
<td>Transport</td>
<td>The shipping of coal and other goods</td>
</tr>
<tr>
<td>Item Name:</td>
<td>Crane Base No.10</td>
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<tr>
<td>Location:</td>
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<tr>
<td>SHI Number:</td>
<td>3930022</td>
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</tbody>
</table>

- **Designer:**
- **Maker / Builder:**
- **Year Started:** 1877  
  **Year Completed:** 1888  
  **Circa:**
- **Physical Description:** Square brick crane base with concrete screed topping, located underneath Dyke No.1 dolphin.
- **Physical Condition:** Appears good. Largely obscured by dolphin.
- **Modification Dates:** Raised in 1911. The crane was demolished in 1936.
- **Recommended Management:** Follow Conservation Management Plan 2005. Repair with lime mortar (not cement) as necessary. Maintain as part of group.

**Further Comments:**

**Criterion (a):** The crane base is significant as a remnant of one of original 12 hydraulic cranes installed along the dyke between 1877-1888 operated by hydraulic power provided by the nearby Hydraulic Power House. The crane bases are historically significant as a record of the essential importance of these machines in the working of the Port. These cranes were used from the 1870s until c1936 for the loading of coal.

**Criterion (b):**

**Criterion (c):**

**Criterion (d):**

**Criterion (e):**

**Criterion (f):** Rare historical record of hydraulic cranes in Australia. The rare technical significance of these hydraulic cranes is diminished by the removal of the cranes.

**Criterion (g):** All though not intact, the item demonstrates the location and process by which coal was loaded.

**Integrity / Intactness:** Good

**References:**

<table>
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<tr>
<th>Studies:</th>
<th>Author</th>
<th>Title</th>
<th>Number Year</th>
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<tr>
<td></td>
<td>Suters Architects</td>
<td>s170 Heritage &amp; Conservation Register</td>
<td>2001</td>
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<td>Crane Base No.10</td>
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| Map Name: |  |
| AMG Zone: |  |
| Easting: |  |
| Northing: |  |

| Listings: | Name: State Environmental Planning Policy |
| Title: Bullock Island Crane Bases |
| Number: |  |
| Date: 2011 |

| Custom Field One: |  |
| Custom Field Two: |  |
| Custom Field Three: |  |
| Custom Field Four: |  |
| Custom Field Five: |  |
| Custom Field Six: |  |

| Data Entry: | Date First Entered: 03/08/2001 |
| Date Updated: 28/09/2013 |
| Status: Completed |
Image:

Caption: Crane Base No.10
Copyright: Suters Architects
Image by: Euan Melville
Image Date: 7/09/2001
Image Number: BW4:13
Image Path:
Image File: 3930022a.jpg
Thumb Nail Path:
Image:

Caption: Concrete 'dolphin' under which is located Crane Base No.10
Copyright: Suters Architects
Image by: Euan Melville
Image Date: 7/09/2001
Image Number: BW4:14
Image Path:
Image File: 3930022b.jpg
Thumb Nail Path:
Item Name: Crane Base No.10
Location: Carrington [Newcastle City]
SHI Number: 3930022

Image:

Caption: Crane Base No.10
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 16/02/2007
Image Number:
Image Path:
Image File: 3930022c.jpg
Thumb Nail Path:
### Crane Base No.8

**Address:** 140 Bourke Street Carrington 2294  
**DP&I Region:** Hunter & Central Coast  
**Suburb / Nearest Town:** Carrington  
**Historic Region:** Lower Hunter  
**Local Govt Area:** Newcastle  
**State:** NSW  
**Parish:**  
**County:**  

**Other/Former Names:** Dyke Point Crane Bases  
**Aboriginal Area:** Awabakal  
**Curtilage/Boundary:**  

**Item Type:** Built  
**Group:** Transport - Water  
**Category:** Other - Transport - Water  

**Owner:** NSW Roads and Maritime  
**Admin Codes:**  
**Current Use:** Walkway access and mooring  
**Former Uses:** Crane base  

**Assessed Significance:** Local  
**Endorsed Significance:**  

**Statement of Significance:** The crane base (15 ton crane) is significant as a remnant of one of the original 12 hydraulic cranes installed along the dyke between 1877-1888 operated by hydraulic power provided by the nearby Hydraulic Power House. The crane bases are historically significant as a record of the essential importance of these machines in the working of the Port. These cranes were used from the 1870s until c1936 for the loading of coal.

**Historical Notes or Provenance:** Between 1877 and 1888, twelve cranes were installed along The Dyke. They were operated by hydraulic power provided by the nearby Hydraulic Power House. This was the base for one of the earliest cranes, installed in 1878 and subsequently known as Dyke Crane No.8. It had a lifting capacity of 15 tons and could reach beyond the front of the wharf for a distance of 15ft. 6ins. It was raised 3 metres in 1911. The crane was used essentially for coal loading, lifting coal hoppers from rail bogies for release of the coal directly into the ships. Hydraulic cranes were used from 1877 until c.1936 but the last crane was not removed until 1964. Dyke Crane No. 8 was decommissioned in the 1930s, and demolished in 1936.

**Themes:**  
**National Theme**  
1. Economy  
2. Technology  
3. Transport  
**State Theme**  
1. Economy  
2. Technology  
3. Transport  
**Local Theme**  
1. coal loading  
2. The shipping of coal and other goods  

**Designer:**
Port of Newcastle Heritage and Conservation Register

Item Name: Crane Base No. 8
Location: Carrington [Newcastle City]
SHI Number: 3930023

Maker / Builder: 
Year Started: 1877  Year Completed: 1888  Circa: No

Physical Description: Square brick structure with sandstone block capping, concrete screed topping, smaller square concrete slab, and concrete plinth with two steel bollards. Timber bridge gives access. Several timber piles (remnant of timber dolphin) located in water just in front of base.

Physical Condition: Fair. Some brickwork deteriorated.

Modification Dates: Raised 3 metres in 1911. The crane was demolished in 1936.

Management: Follow State Agency Heritage Guide.
Recommended Management: Maintain as part of group. Replace timber access bridge when necessary. Conserve remnants of timber dolphin. Repair brickwork where necessary.

Further Comments:
Criterion (a) The crane base is significant as a remnant of one of the original 12 hydraulic cranes installed along the dyke between 1877-1888 operated by hydraulic power provided by the nearby Hydraulic Power House. The crane bases are historically significant as a record of the essential importance of these machines in the working of the Port. These cranes were used from the 1870s until c1936 for the loading of coal.

Criterion (b)
Criterion (c)
Criterion (d)
Criterion (e)
Criterion (f) Rare historical record of hydraulic cranes in Australia. The rare technical significance of these hydraulic cranes is diminished by the removal of the cranes.
Criterion (g) All though not intact, the process by which coal was loaded, and the former location of can the cranes, can be demonstrated by this item.

Integrity / Intactness: Fair

References:
Studies: Suters Architects  Title: s170 Heritage & Conservation Register  Number: 2001

Parcels:  
Latitude:  
Longitude:  
Location validity:  Spatial Accuracy:
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<td>Location</td>
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<tr>
<td>SHI Number</td>
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| AMG Zone:          |                                     |
| Easting:           |                                     |
| Northing:          |                                     |
| Listings:          | State Environmental Planning Policy    |
|                    | (Three Ports) 2013                    |
| Title:             | Bullock Island Crane Bases            |
| Number:            |                                     |
| Date:              | 2011                                 |

Custom Field One:  
Custom Field Two:  
Custom Field Three:  
Custom Field Four:  
Custom Field Five:  
Custom Field Six:  

Data Entry:  
Date First Entered: 03/08/2001  
Date Updated: 28/09/2013  
Status: Completed
Item Name: Crane Base No.8
Location: Carrington [Newcastle City]
SHI Number: 3930023

Caption: Crane Base No.8
Copyright: Suters Architects
Image by: Linda Smith
Image Date: 7/08/2001
Image Number: BW4:16
Image Path:
Image File: 3930023b.jpg
Thumb Nail Path:
Item Name: Crane Base No.8
Location: Carrington [Newcastle City]
SHI Number: 3930023

Caption: Crane Base No.8
Copyright: Suters Architects
Image by: Linda Smith
Image Date: 7/08/2001
Image Number: BW4:15
Image Path: 3930023a.jpg
Thumb Nail Path:
Item Name: Crane Base No.8
Location: Carrington [Newcastle City]
SHI Number: 3930023

Caption: Crane Base No.8
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 16/02/2007
Image Number:
Image Path:
Image File: 3930023c.jpg
Thumb Nail Path:
Item Name: Crane Base No.8
Location: Carrington [Newcastle City]
SHI Number: 3930023

Caption: Crane Base No.8
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 16/02/2007
Image Number: 
Image Path: 
Image File: 3930023d.jpg
Thumb Nail Path:
Item Name: Crane Base No.7
Location: Carrington [Newcastle City]
SHI Number: 3930024

Address: 140 Bourke Street Carrington 2294
Suburb / Nearest Town: Lot 5 DP 1104199
Local Govt Area: Newcastle
State: NSW
DP&I Region: Hunter & Central Coast
Historic Region: Lower Hunter

Other/Former Names: Dyke Point Crane Bases
Aboriginal Area: Awabakal
Area/Group/Complex: Dyke Point Crane Bases

Item Type: Built
Group: Transport - Water
Category: Other - Transport - Water

Owner: NSW Roads and Maritime
Admin Codes: Code 2:
Code 3:
Current Use: Walkway from mooring
Former Uses: Crane base
Assessed Significance: Local
Endorsed Significance:

Statement of Significance:
The crane base (15 ton crane) is significant as a remnant of one of the original 12 hydraulic cranes installed along the dyke between 1877-1888 operated by hydraulic power provided by the nearby Hydraulic Power House. The crane bases are historically significant as a record of the essential importance of these machines in the working of the Port. These cranes were used from the 1870s until c1936 for the loading of coal.

Historical Notes or Provenance:
Between 1877 and 1888, twelve cranes were installed along The Dyke. They were operated by hydraulic power provided by the nearby Hydraulic Power House. This was the base for one of the earliest cranes, installed in 1878 and subsequently known as Dyke Crane No.7. It had a lifting capacity of 15 tons and could reach beyond the front of the wharf for a distance of 15ft. 6ins. It was raised 3 metres in 1911. The crane was used essentially for coal loading, lifting coal hoppers from rail bogies for release of the coal directly into the ships. Hydraulic cranes were used from 1877 until c.1936, but the last crane was not removed until 1964. Dyke Crane No. 7 was demolished in 1936.

Themes:
National Theme: 3. Economy
State Theme: Technology
Local Theme: coal loading

3. Economy: Transport
The shipping of coal and other goods
Item Name: **Crane Base No.7**  
Location: **Carrington [Newcastle City]**  
SHI Number: **3930024**

**Maker / Builder:**  
**Year Started:** 1877  
**Year Completed:** 1888  
**Circa:** No

**Physical Description:** Square brick structure with sandstone block capping, concrete topping slab and smaller concrete slab/plinth on top with single steel bollard. Timber access bridge built on top of what appears to be older timber access structure. Remnant timber piles in water just to front of base, with metal connector plates(?).

**Physical Condition:** Fair.

**Modification Dates:** Raised 3 metres in 1911. The crane was demolished in 1936.

**Management:** Follow State Agency Heritage Guide.  
**Recommended Management:** Maintain as part of group. Replace newer timber access bridge when necessary. Conserve timber access. Repair brickwork with lime mortar; repair with sandstone where necessary. Maintain timber piles and metal connector plates.

**Further Comments:**

**Criterion (a)** The crane base is significant as a remnant of one of the original 12 hydraulic cranes installed along The Dyke between 1877-1888 operated by hydraulic power provided by the nearby Hydraulic Power House. The crane bases are historically significant as a record of the essential importance of these machines in the working of the Port. These cranes were used from the 1870s until c1936 for the loading of coal.

**Criterion (b)**

**Criterion (c)**

**Criterion (d)**

**Criterion (e)**

**Criterion (f)** Rare historical record of hydraulic cranes in Australia. The rare technical significance of these hydraulic cranes is diminished by the removal of the cranes.

**Criterion (g)** All though not intact, the process by which coal was loaded and the former location of the cranes can be demonstrated by this item.

**Integrity / Intactness:** Fair

**References:**

**Studies:**  
**Author:** Suters Architects  
**Title:** s170 Heritage & Conservation Register  
**Number Year:** 2001

**Parcels:**  
**Latitude:**  
**Longitude:**
Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.7**  
Location: **Carrington [Newcastle City]**  
SHI Number: **3930024**

Latitude:  
Location validity:  
Map Name:  
Spatial Accuracy:  
Map Scale:  
AMG Zone:  
Easting:  
Northing:  

Listings:  
Name: **State Environmental Planning Policy (Three Ports) 2013**  
Number: **2011**  
Title: **Bullock Island Crane Bases**  
Date:  

Custom Field One:  
Custom Field Two:  
Custom Field Three:  
Custom Field Four:  
Custom Field Five:  
Custom Field Six:  

**Data Entry:**  
Date First Entered: **03/08/2001**  
Date Updated: **28/09/2013**  
Status: **Completed**
Port of Newcastle Heritage and Conservation Register

Item Name: Crane Base No.7
Location: Carrington [Newcastle City]
SHI Number: 3930024

Image:

Caption: Crane Base No.7
Copyright: Suters Architects
Image by: Linda Smith
Image Date: 7/08/2001
Image Number: BW4:18
Image Path:
Image File: 3930024b.jpg
Thumb Nail Path:
Item Name: Crane Base No.7
Location: Carrington [Newcastle City]
SHI Number: 3930024

Caption: Crane Base No.7
Copyright: Suters Architects
Image by: Linda Smith
Image Date: 7/08/2001
Image Number:
Image Path:
Image File: 3930024a.jpg
Thumb Nail Path:
Item Name: **Crane Base No.7**
Location: Carrington [Newcastle City]
SHI Number: 3930024

Caption: Crane Base No.7; RAN Anzac class frigate *HMAS Parramatta* is alongside.

Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 16/02/2007
Image Number:
Image Path:
Image File: 3930024c.jpg
Thumb Nail Path:
Item Name: Crane Base No.7
Location: Carrington [Newcastle City]
SHI Number: 3930024

Image:

Caption: Crane Base No.7
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 16/02/2007
Image Number:
Image Path:
Image File: 3930024d.jpg
Thumb Nail Path:
**Item Name:** Crane Base No.6  
**Location:** Carrington [Newcastle City]  
**SHI Number:** 3930025

| Address: | 140 Bourke Street Carrington 2294 |
| Suburb / Nearest Town: | Lot 5 DP 1104199 |
| Local Govt Area: | Newcastle |
| State: | NSW |
| **DP&I Region:** | Hunter & Central Coast |
| **Historic Region:** | Lower Hunter |
| **Parish:** | Newcastle |
| **County:** | Northumberland |
| **Other/Former Names:** | |
| **Area/Group/Complex:** | Dyke Point Crane Bases |
| **Aboriginal Area:** | Awabakal |
| **Curtilage/Boundary:** | |
| **Item Type:** | Built |
| **Group:** | Transport - Water |
| **Category:** | Other - Transport - Water |
| **Owner:** | NSW Roads and Maritime |
| **Admin Codes:** | Code 2: |
| **Current Use:** | Walkway access from mooring |
| **Former Uses:** | Crane base |
| **Assessed Significance:** | Local |
| **Endorsed Significance:** | |

**Statement of Significance:**

The crane base is significant as a remnant of one of the 12 hydraulic cranes installed along the dyke between 1877-1888. The crane bases are historically significant as a record of the essential importance of these machines in the working of the Port. These cranes were used from the 1870s until c1936 for the loading of coal. Between 1877 and 1888, twelve cranes were installed along The Dyke. They were operated by hydraulic power provided by the nearby Hydraulic Power House. This was the base for a crane which was installed in 1880 and became known as Dyke Crane No.6. It had a lifting capacity of 25 tons and could reach beyond the front of the wharf for a distance of 20ft. 6 ins. The crane was used essentially for coal loading, lifting coal hoppers from rail bogies for release of the coal directly into the ships. Hydraulic cranes were used from 1877 until c.1936, but the last crane was not removed until 1964. Dyke Crane No. 6 was scrapped in 1956.

**Themes:**

<table>
<thead>
<tr>
<th>National Theme</th>
<th>State Theme</th>
<th>Local Theme</th>
</tr>
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<tbody>
<tr>
<td>3. Economy</td>
<td>Technology</td>
<td>coal loading</td>
</tr>
<tr>
<td>3. Economy</td>
<td>Transport</td>
<td>The shipping of coal and other goods</td>
</tr>
</tbody>
</table>

**Designer:** Sir W.G. Armstrong and Company.

**Maker / Builder:** Unknown
Item Name: Crane Base No.6
Location: Carrington [Newcastle City]
SHI Number 3930025

Year Started: 1877  Year Completed: 1888  Circa: No

Physical Description: Circular brickwork structure with square sandstone block plinth and concrete slab within riveted steel formwork structure (for crane anchor bolts?). Two steel bollards. Timber access bridge.


Modification Dates: Crane demolished in 1936.

Recommended Management: Maintain as part of group. Repair with lime mortar as necessary. Replace access bridge when necessary.

Management: Follow State Agency Heritage Guide.

Further Comments:

Criterion (a) The crane base is significant as a remnant of one of the 12 hydraulic cranes installed along The Dyke between 1877-1888. The crane bases are historically significant as a record of the importance of these machines in the working of the Port. These cranes were used from the 1870s until c1936 for the loading of coal.

Criterion (b)
Criterion (c)
Criterion (d)
Criterion (e)
Criterion (f)
Criterion (g) All though not intact the process by which coal was loaded, as well as the location of the cranes, can be demonstrated by this item.

Integrity / Intactness: Fair to Poor

References:

Studies: Author: Suters Architects  Title: s170 Heritage & Conservation Register  Number Year: 2001

Parcels:
Latitude: Longitude: Location validity: Spatial Accuracy: Map Name: Map Scale:

AMG Zone: Easting: Northing:
Listings: Name: State Environmental Planning Policy (Three Ports) 2013  Title: Bullock Island Crane Bases  Number: Date: 2011
Port of Newcastle Heritage and Conservation Register

Item Name: Crane Base No.6
Location: Carrington [Newcastle City]
SHI Number 3930025

Custom Field One:
Custom Field Two:
Custom Field Three:
Custom Field Four:
Custom Field Five:
Custom Field Six:

Data Entry: Date First Entered: 03/08/2001  Date Updated: 28/09/2013  Status: Completed
Port of Newcastle Heritage and Conservation Register

Item Name: Crane Base No.6
Location: Carrington [Newcastle City]
SHI Number: 3930025

Image:

Caption: Crane Base No.6
Copyright: Suters Architects
Image by: Linda Smith
Image Date: 7/08/2001
Image Number: BW4:6
Image Path:
Image File: 3930025b.jpg
Thumb Nail Path:
Item Name: Crane Base No.6
Location: Carrington [Newcastle City]
SHI Number 3930025

Image:

Caption: Crane Base No.6
Copyright: Suters Architects
Image by: Linda Smith
Image Date: 7/08/2001
Image Number:
Image Path:
Image File: 3930025a.jpg
Thumb Nail Path:
Item Name: Crane Base No.6
Location: Carrington [Newcastle City]
SHI Number 3930025

Caption: Crane Base No.6
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 16/02/2007
Image Number:
Image Path:
Image File: 3930025c.jpg
Thumb Nail Path:
Item Name: Crane Base No.5
Location: Carrington [Newcastle City]
SHI Number: 3930026

Address: 140 Bourke Street Carrington 2294
Suburb / Nearest Town: Lot 219 DP 1195310
Local Govt Area: Newcastle
State: NSW

DP&I Region: Hunter & Central Coast
Historic Region: Lower Hunter
Parish: Newcastle
County: Northumberland

Other/Former Names: Dyke Point Crane Bases
Aboriginal Area: Awabakal
Curtilage/Boundary: Item Type: Built
Group: Transport - Water
Category: Other - Transport - Water
Owner: Port of Newcastle Lessor Pty Limited
Admin Codes: Code 2: Access to Port Authority of NSW helicopterbase
Code 3: Crane base

Current Use: Local
Assessed Significance: Crane base
Significance: Local

Statement of Significance: The crane base (15 ton crane) is significant as a remnant of one of 12 hydraulic cranes installed along the dyke between 1877-1888. The crane bases are historically significant as a record of the importance of these machines in the working of the Port. These cranes were used from the 1870s until c.1936 for the loading of coal. Between 1877 and 1888, twelve cranes were installed along The Dyke. They were operated by hydraulic power provided by the nearby Hydraulic Power House.

Historical Notes or Provenance: This was the base for a crane installed in 1888, which became known as Dyke Crane No.5. It had a lifting capacity of 15 tons and could reach beyond the front of the wharf for a distance of 15ft. 6ins. The crane was used essentially for coal loading, lifting coal hoppers from underframes for release of the coal directly into the ships. The cranes were used from 1877 until c.1936, but the last of them was not removed until 1964.

Dyke Crane No.5 was demolished in 1936.

Themes:
3. Economy Technology coal loading
3. Economy Transport The shipping of coal and other goods

Designer:
Maker / Builder:
**Item Name:** Crane Base No.5  
**Location:** Carrington [Newcastle City]  
**SHI Number:** 3930026

**Maker / Builder:**  
**Year Started:** 1877  
**Year Completed:** 1888  
**Circa:** No

**Physical Description:** Currently used at Marine Pilots landing point. Circular brick structure with concrete slab on top and timber access bridge to shore. Timber framed steel access ladder at front.

**Physical Condition:** Fair. Brickwork deteriorating in places.

**Modification Dates:** Crane demolished in 1936.

**Recommended Management:** Maintain as part of group. Repair brickwork as necessary with lime mortar. Replace concrete slab, ladder and access bridge as necessary.

**Management:** Follow State Agency Heritage Guide.

**Further Comments:**

**Criterion (a)**  
The crane base is significant as a remnant of one of 12 hydraulic cranes installed along the dyke between 1877-1888. The crane bases are historically significant as a record of the essential importance of these machines in the working of the Port. These cranes were used from the 1870s until c1936 for the loading of coal.

**Criterion (b)**

**Criterion (c)**

**Criterion (d)**

**Criterion (e)**

**Criterion (f)**

**Criterion (g)**  
All though not intact, the process by which coal was loaded and the location of the cranes can be demonstrated by this item.

**Integrity / Intactness:** Fair

**References:**

**Studies:**  
Suters Architects  
**Title:** s170 Heritage & Conservation Register  
**Number Year:** 2001

**Parcels:**

**Latitude:**  
**Location validity:**  
**Map Name:**  
**AMG Zone:**  
**Easting:**  
**Northing:**

**Listings:**  
**Name:** State Environmental Planning Policy (Three Ports) 2013  
**Title:** Bullock Island Crane Bases  
**Number Date:** 2011
Item Name: **Crane Base No.5**  
Location: **Carrington [Newcastle City]**  
SHI Number: **3930026**

- Custom Field One:  
- Custom Field Two:  
- Custom Field Three:  
- Custom Field Four:  
- Custom Field Five:  
- Custom Field Six:  

**Data Entry:**  
**Date First Entered:** 03/08/2001  
**Date Updated:** 28/09/2013  
**Status:** Completed
Item Name: Crane Base No.5
Location: Carrington [Newcastle City]
SHI Number: 3930026

Caption: Crane Base No.5
Copyright: Suters Architects
Image by: Linda Smith
Image Date: 7/08/2001
Image Number: BW4:21
Image Path:
Image File: 3930026.jpg
Thumb Nail Path:
Item Name: Crane Base No.5
Location: Carrington [Newcastle City]
SHI Number 3930026

Caption: Crane Base No.5
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 16/02/2007
Image Number:
Image Path:
Image File: 3930026a.jpg
Thumb Nail Path:
**Item Name:** Crane Base No.4  
**Location:** Carrington [Newcastle City]  
**SHI Number:** 3930027

- **Address:** 140 Bourke Street Carrington 2294  
- **Suburb / Nearest Town:** Lot 93 DP 1193181  
- **Local Govt Area:** Newcastle  
- **State:** NSW  
- **SHI Region:** Hunter & Central Coast  
- **Historic Region:** Lower Hunter  
- **Parish:** Newcastle  
- **County:** Northumberland  

**Other/Former Names:** Dyke Point Crane Bases  
**Aboriginal Area:** Awabakal  
**Curtilage/Boundary:** Item Type: Built  
**Group:** Transport - Water  
**Category:** Other - Transport - Water  
**Owner:** Port of Newcastle Lessor Pty Limited  
**Admin Codes:** Code 2:  
**Code 3:**  
**Current Use:**  
**Former Uses:** Crane base  
**Assessed Significance:** Local Endorsed Significance:  

**Statement of Significance:** The crane base (15 ton crane) is significant as a remnant of one of 12 hydraulic cranes installed along the dyke between 1877-1888. The crane bases are historically significant as a record of the essential importance of these machines in the working of the Port. These cranes were used from the 1870s until c1936 for the loading of coal. Between 1877 and 1888, twelve cranes were installed along the Dyke. They were operated by hydraulic power provided by the nearby Hydraulic Power House.

**Historical Notes or Provenance:** This was the base for a crane which was installed in 1888 and became known as Dyke Crane No.4. It had a lifting capacity of 15 tons and could reach beyond the front of the wharf for a distance of 15 ft. 6 ins. The crane was used essentially for coal loading, lifting hoppers from underframes for release of the coal directly into the ships. Hydraulic cranes were used from 1877 until c.1936, but the last crane was not removed until 1964. Dyke Crane No.4 was demolished in 1936.

**Themes:**  
- National Theme: 3. Economy  
- State Theme: Technology  
- Local Theme: coal loading  
- Local Theme: The shipping of coal and other goods

**Designer:**  
**Maker / Builder:**
Item Name: **Crane Base No.4**
Location: **Carrington [Newcastle City]**
SHI Number: 3930027

**Year Started:** 1877  **Year Completed:** 1888  **Circa:** No

**Physical Description:** Circular brick structure with concrete infill and concrete plinth on top. Bricks made by Joseph Bowtell. Two steel bollards. Remnants of steel anchor bolts through structure.

**Physical Condition:** Variable. Brickwork unstable in places.

**Modification Dates:** Crane demolished in 1936.

**Recommended Management:** Maintain as part of group. Repair brickwork with lime mortar (not cement) as necessary.

**Management:** Follow Conservation Management Plan (CMP).

**Further Comments:**

**Criterion (a)**
The crane base is significant as a remnant of one of 12 hydraulic cranes installed along The Dyke between 1877-1888. The crane bases are historically significant as a record of the essential importance of these machines in the working of the Port. These cranes were used from the 1870s until c1936 for the loading of coal.

**Criterion (b)**

**Criterion (c)**

**Criterion (d)**

**Criterion (e)**

**Criterion (f)**

**Criterion (g)**
All though not intact the location and process by which coal was loaded can be demonstrated by this item.

**Integrity / Intactness:** Fair

**References:**

**Studies:**
- Author: Suters Architects
- Title: s170 Heritage & Conservation Register
- Number: 2001

**Parcels:**
- **Latitude:**
- **Longitude:**
- **Location validity:**
- **Spatial Accuracy:**
- **Map Name:**
- **Map Scale:**

**AMG Zone:**
- **Easting:**
- **Northing:**

**Listings:**
- **Name:** State Environmental Planning Policy (Three Ports) 2013
- **Title:** Bullock Island Crane Bases
- **Number:**
- **Date:** 2011
Port of Newcastle Heritage and Conservation Register

Item Name: Crane Base No.4
Location: Carrington [Newcastle City]
SHI Number: 3930027

Custom Field One:
Custom Field Two:
Custom Field Three:
Custom Field Four:
Custom Field Five:
Custom Field Six:
Item Name: Crane Base No.4  
Location: Carrington [Newcastle City]  
SHI Number: 3930027

Image:

Caption: Crane Base No.4  
Copyright: Suters Architects  
Image by: Linda Smith  
Image Date: 7/08/2001  
Image Number: BW4:22  
Image Path:  
Image File: 3930027.jpg  
Thumb Nail Path:
Item Name: Crane Base No.4
Location: Carrington [Newcastle City]
SHI Number: 3930027

Image:

Caption: Crane Base No.4
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 16/02/2007
Image Number:
Image Path:
Image File: 3930027b.jpg
Thumb Nail Path:
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<td>Location:</td>
<td>Carrington [Newcastle City]</td>
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<td>SHI Number:</td>
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| Address: | 140 Bourke Street Carrington 2294 |
| Suburb / Nearest Town: | Lot 93, DP 1193181 |
| Local Govt Area: | Newcastle |
| State: | NSW |
| DP&I Region: | Hunter & Central Coast |
| Historic Region: | Lower Hunter |
| Suburb / Nearest Town: | Lot 93, DP 1193181 |
| Local Govt Area: | Newcastle |
| State: | NSW |
| Parish: | Newcastle |
| County: | Northumberland |
| Other/Former Names: |  |
| Area/Group/Complex: | Dyke Point Crane Bases |
| Aboriginal Area: | Awabakal |
| Curtilage/Boundary: |  |
| Item Type: | Built |
| Group: | Transport - Water |
| Category: | Other - Transport - Water |
| Owner: | Port of Newcastle Lessor Pty Limited |
| Admin Codes: |  |
| Code 2: |  |
| Code 3: |  |
| Assessed Significance: | Local |
| Endorsed Significance: |  |
| Statement of Significance: | The crane base is historically significant as a remnant of the early steam cranes that were moved from Queen's Wharf to the Dyke in 1889. |

**Historical Notes or Provenance:**

This base supported one of the three steam cranes which were removed from Queen’s Wharf and re-erected at The Dyke in 1889. This action followed a decision to centralise government coal loading activities at The Dyke, leaving the city wharves clear for general cargo. The three steam cranes, each of 15 tons capacity and an ability to reach beyond the front of the wharf for a distance of 14ft., were removed from The Dyke in 1908.

**Themes:**

- 3. Economy
- Technology
- coal loading
- 3. Economy
- Transport
- The shipping of coal and other goods

**Designer:**

**Maker / Builder:**

**Year Started:**

**Year Completed:** 1889

**Circa:** No

**Physical Description:** Circular brickwork structure with concrete slab on top. Two steel bollards. Solar lighting tower mounted on base.

**Physical Condition:**


Item Name: Crane Base No.3
Location: Carrington [Newcastle City]
SHI Number: 3930028

Physical Condition: Fair to good. Brickwork deteriorated, particularly at water level.

Modification Dates: Crane removed in 1908.

Recommended Management: Maintain as part of group. Repair brickwork as necessary.

Management: Produce a Conservation Management Plan (CMP).

Further Comments:

Criterion (a) The crane base is a significant record as a remnant of the early steam cranes that were moved from Queen's Wharf to the Dyke in 1889.
Criterion (b)
Criterion (c)
Criterion (d)
Criterion (e)
Criterion (f)
Criterion (g) All though not intact the location and process by which coal was loaded can be demonstrated by this item.

Integrity / Intactness: Fair

References:

Studies: Suters Architects
Title: s170 Heritage & Conservation Register
Number: 2001

Parcels:
Latitude:
Longitude:
Location validity:
Spatial Accuracy:
Map Name:
Map Scale:

AMG Zone: Easting: Northing:

Listings: Name: State Environmental Planning Policy
Title: Bullock Island Crane Bases
(Three Ports) 2013
Number: Date: 2011

Custom Field One:

Custom Field Two:

Custom Field Three:

Custom Field Four:
Item Name: Crane Base No.3
Location: Carrington [Newcastle City]
SHI Number: 3930028

Custom Field Five:
Custom Field Six:

Data Entry: Date First Entered: 03/08/2001  Date Updated: 28/09/2013  Status: Completed
Item Name: Crane Base No.3
Location: Carrington [Newcastle City]
SHI Number: 3930028

Caption: Crane Base No.3
Copyright: Suters Architects
Image by: Linda Smith
Image Date: 7/08/2001
Image Number:
Image Path:
Image File: 3930028.jpg
Thumb Nail Path:
Item Name: Crane Base No.3
Location: Carrington [Newcastle City]
SHI Number 3930028

Image:

Caption: Crane Base No.3
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 16/02/2007
Image Number:
Image Path:
Image File: 3930028b.jpg
Thumb Nail Path:
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| Current Use: |  |
| Former Uses: | Crane base |

| Assessed |  |
| Significance: | Local Endorsed Significance: |
| Statement of Significance: | The crane base is historically significant as a remnant of the early steam cranes that were moved from Queen's Wharf to the Dyke in 1889. |

| Historical Notes or Provenance: |  |
| Threats: |  |
| National Theme: | 3. Economy |
| State Theme: | Technology |
| Local Theme: | coal loading |
| 3. Economy | Transport |
| The shipping of coal and other goods |

| Designer: |  |
| Maker / Builder: |  |
| Year Started: | 1889 |
| Year Completed: | 1889 |
| Circa: | No |

| Physical Description: | Resting within seawall. Circular brick structure with concrete slab on top. Two steel bollards. Steel framed timber slatted seat mounted to base. |
| Physical Condition: |  |

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Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.2**  
Location: **Carrington [Newcastle City]**  
SHI Number: **3930029**

**Physical Condition:** Appears good. Brickwork at water's edge not inspected : may be deteriorating.

**Modification Dates:** Crane removed in 1908.

**Recommended Management:** Extend Conservation Management Plan to include all crane bases and Hydraulic Power House.

**Management:** Maintain as part of group. Repair brickwork as necessary.

**Further Comments:**

**Criterion (a)** The crane base is a significant record as a remnant of the early steam cranes that were moved from Queen's Wharf to the Dyke in 1889.

**Criterion (b)**

**Criterion (c)**

**Criterion (d)**

**Criterion (e)**

**Criterion (f)**

**Criterion (g)** All though not intact the location and process by which coal was loaded can be demonstrated by this item.

**Integrity / Intactness:** Good

**References:**

<table>
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<tr>
<th>Studies</th>
<th>Author</th>
<th>Title</th>
<th>Number</th>
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<td>Suters Architects</td>
<td>s170 Heritage &amp; Conservation Register</td>
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<th>Spatial Accuracy</th>
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**AMG Zone:**

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<th>Number</th>
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<td>State Environmental Planning Policy (Three Ports) 2013</td>
<td>Bullock Island Crane Bases</td>
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<td>2011</td>
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**Custom Field One:**

**Custom Field Two:**

**Custom Field Three:**

**Custom Field Four:**
Item Name: Crane Base No.2
Location: Carrington [Newcastle City]
SHI Number 3930029

Custom Field Five:

Custom Field Six:

Data Entry: Date First Entered: 03/08/2001  Date Updated: 28/09/2013  Status: Completed
Item Name: Crane Base No.2
Location: Carrington [Newcastle City]
SHI Number 3930029

Image:

Caption: Crane Base No.2
Copyright: Suters Architects
Image by: Linda Smith
Image Date: 7/08/2001
Image Number: BW4:24
Image Path:
Image File: 3930029.jpg
Thumb Nail Path:
Item Name: Crane Base No.2
Location: Carrington [Newcastle City]
SHI Number: 3930029

Caption: Crane Base No.2
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 16/02/2007
Image Number:
Image Path:
Image File: 3930029b.jpg
Thumb Nail Path:
Item Name: Crane Base No.2
Location: Carrington [Newcastle City]
SHI Number: 3930029

Caption: Crane Base No.2
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 16/02/2007
Image Number: 3930029c.jpg
Thumb Nail Path:
Item Name: **Crane Base No.1**  
**Location:** Carrington [Newcastle City]  
**SHI Number:** 3930030

**Address:** 140 Bourke Street Carrington 2294  
**DP&I Region:** Hunter & Central Coast  
**Suburb / Nearest Town:** Lot 93 DP 1193181  
**Historic Region:** Lower Hunter  
**Local Govt Area:** Newcastle  
**Parish:**  
**State:** NSW  
**County:**

**Other/Former Names:**  
**Aboriginal Area:** Awabakal  
**Curtilage/Boundary:** Dyke Point Crane Bases  
**Item Type:** Built  
**Group:** Transport - Water  
**Category:** Other - Transport - Water  
**Owner:** Port of Newcastle Lessor Pty Limited  
**Admin Codes:**  
**Code 2:**  
**Code 3:**

**Current Use:** Crane base  
**Former Uses:** Crane base  
**Assessed Significance:** Local  
**Endorsed Significance:**

**Statement of Significance:** The crane base is historically significant as a remnant of the early steam cranes that were moved from Queen's Wharf to the Dyke in 1889.

**Historical Notes or Provenance:**  
This base supported one of the three steam cranes which were removed from Queen's Wharf and re-erected on The Dyke in 1889. This action followed a decision to centralise government coal loading activities at The Dyke, leaving the city wharves clear for general cargo. The three steam cranes, each of 15 tons capacity and an ability to reach beyond the front of the wharf for a distance of 14ft., were removed from The Dyke in 1908.

**Themes:**  
- National Theme: 3. Economy  
- State Theme: Technology  
- Local Theme: coal loading  
- Local Theme: The shipping of coal and other goods

**Designer:**

**Maker / Builder:**

**Year Started:** 1889  
**Year Completed:** 1889  
**Circa:** No

**Physical Description:** 3/4 circular brick structure against seawall with concrete slab on top. Slab is pigmented, with decorative maritime motif in slight relief. A newer steel framed timber slatted seat and light pole and mounted on the slab. The sandstone-look concrete block retaining seawall begins immediately south of this crane base.
Item Name: Crane Base No.1
Location: Carrington [Newcastle City]
SHI Number: 3930030

Physical Condition: Appears good.

Modification Dates: Crane removed in 1908.

Recommended Management: Maintain as part of group. Repair brickwork as necessary with lime mortar.

Management: Follow State Agency Heritage Guide.

Further Comments:

Criterion (a) The crane base is a significant record as a remnant of the early steam cranes that were moved from Queen's Wharf to the Dyke in 1889.

Criterion (b) 

Criterion (c) 

Criterion (d) 

Criterion (e) 

Criterion (f) 

Criterion (g) All though not intact the location and process by which coal was loaded can be demonstrated by this item.

Integrity / Intactness: Good

References:

Studies: Author
Suters Architects

Title Number
s170 Heritage & Conservation Register

Year
2001

Parcels:

Latitude: 

Longitude: 

Location validity: 

Spatial Accuracy:

Map Name:

Map Scale:

AMG Zone:

Easting: 

Northing: 

Listings: Name: State Environmental Planning Policy (Three Ports) 2013

Title: Bullock Island Crane Bases

Number: Date: 2011

Custom Field One:

Custom Field Two:

Custom Field Three:
Item Name: Crane Base No.1
Location: Carrington [Newcastle City]
SHI Number: 3930030

Custom Field Four:
Custom Field Five:
Custom Field Six:

Data Entry: Date First Entered: 03/08/2001  Date Updated: 28/09/2013  Status: Completed
Item Name: Crane Base No.1
Location: Carrington [Newcastle City]
SHI Number 3930030

Image:

Caption: Crane Base No.1
Copyright: Suters Architects
Image by: Linda Smith
Image Date: 7/08/2001
Image Number: BW4:24a
Image Path:
Image File: 3930030.jpg
Thumb Nail Path:
Item Name: Crane Base No.1
Location: Carrington [Newcastle City]
SHI Number 3930030

Image:

Caption: Crane Base No.1
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 16/02/2007
Image Number:
Image Path:
Image File: 3930030b.jpg
Thumb Nail Path:
Item Name: Former McMyler Hoist
Location: Dyke 3, Carrington [Newcastle City]
SHI Number 3930038

Address: 140 Bourke Street Carrington 2294
Suburb / Nearest Town: Lot 219 DP 1195310
Local Govt Area: Newcastle
State: NSW
Other/Former Names: Newstan Coal Loader
Area/Group/Complex: Group ID: 
Aboriginal Area: Awabakal
Curtilage/Boundary: 
Item Type: Built Item
Group: Transport - Water
Category: Other - Transport - Water
Owner: Port of Newcastle Lessor Pty Limited
Admin Codes: Code 2: Code 3: 
Current Use: 
Former Uses: Coal loader base
Assessed Significance: Local
Endorsed Significance: 

Statement of Significance: The coal loader base is significant as a remnant of the first conveyor loader in the Port, operating from 1958 and replaced in 1967. This site is also significant as the location of the remnant base of the McMyler Hoist. The item demonstrates the evolution of coal loading in Newcastle between 1909 and 1967.

Historical Notes or Provenance: The Newstan Coal Loader was constructed on the base of the McMyler Hoist, an ambitious but ill-considered coal loading device erected on The Dyke in 1909. Four of the hoists were imported, but only one was erected. Its breaking up of coal during loading prompted strong complaints from mining and shipping proprietors; these led to a Royal Commission, the recommendations of which caused the hoist to be placed out of use. It was not dismantled until 1933. In 1950 the Department of Railways began construction of the port's first conveyor loader on this site, but by 1956 it still had not been completed. The coal loader, known as the Newstan coal loader, came into use in 1958, funded from external sources within the mining industry. It was superseded by the Basin Coal loader in 1967, and was later demolished.

Themes: National Theme 3. Economy 3. Economy
State Theme Technology Transport
Local Theme Coal loading The shipping of coal and other goods

Designer: 
Maker / Builder: 
Item Name: Former McMyler Hoist  
Location: Dyke 3, Carrington [Newcastle City]  
SHI Number: 3930038

Maker / Builder:  
Year Started: Year Completed: 1950  
Circa: No

Physical Description: Large concrete platform surrounded by timber 'ordinance' fencing. Appears to have two slabs, one on top of the other. Two single steel bollards, one mounted at each of the eastern corners. Ramped access to west with remnant steel fixing points. Timber access stairs (recent).

Physical Condition: Appears good.

Modification Dates: Unknown.

Recommended Management: The Capital Dredging Project Approval provides for the demolition of the item, so as to make way for the construction of the Dyke Berth Box.

Management: Follow State Agency Heritage Guide with regard to demolition.

Further Comments:

Criterion (a) The coal loader base is significant as a remnant of the first coal loader in the Port, operating from 1958 and replaced in 1967. This site is also significant as the location, containing the remnant base of the Mc Myler Hoist. The coal loader is historically significant as a record of the essential importance of this loader in the working of the Port from 1909 to 1967.

Criterion (b) 
Criterion (c) 
Criterion (d) 
Criterion (e) 
Criterion (f) 
Criterion (g) The item demonstrates the progression of coal loading technology.

Integrity / Intactness: Good

References:  
Author: E. Coulin  
Title: ‘Evolution of Coal Loading in the Port of Newcastle’, *Port of Sydney*, March 1959.

Author: R. Melville  
Title: ‘In the Shadow of the McMyler Hoist? Coal Loading in the Port of Newcastle 1900-1960’

Studies:  
Author: Suters Architects  
Title: s170 Heritage & Conservation Register  
Number: 2001  
Year: 2001

Parcels: 
Latitude: Longitude:
Item Name: Former McMyler Hoist
Location: Dyke 3, Carrington [Newcastle City]
SHI Number: 3930038

Location validity: 
Spatial Accuracy: 
Map Name: 
Map Scale: 
AMG Zone: 
Easting: 
Northing: 

Listings: State Environmental Planning Policy (Three Ports) 2013
Title: Former McMyler Hoist
Number: 
Date: 2005

Custom Field One:
Custom Field Two:
Custom Field Three:
Custom Field Four:
Custom Field Five:
Custom Field Six:
Item Name: Former McMyler Hoist
Location: Dyke 3, Carrington [Newcastle City]
SHI Number: 3930038

Image:

Caption: Dyke 3 Coal Loader Base (remnant of McMyler Hoist)
Copyright: Suters Architects
Image by: Linda Smith
Image Date: 7/08/2001
Image Number: BW4:3
Image Path:
Image File: 3930038b.jpg
Thumb Nail Path:
Item Name: Former McMyler Hoist
Location: Dyke 3, Carrington [Newcastle City]
SHI Number: 3930038

Image:

Caption: Dyke 3 Coal Loader Base
Copyright: Suters Architects
Image by: Linda Smith
Image Date: 7/08/2001
Image Number: BW4:4
Image Path:
Image File: 3930038c.jpg
Thumb Nail Path:
Item Name: Former McMyler Hoist
Location: Dyke 3, Carrington [Newcastle City]
SHI Number: 3930038

Caption: Dyke 3 Coal Loader Base
Copyright: Suters Architects
Image by: Linda Smith
Image Date: 7/08/2001
Image Number: BW4:2
Image Path: 
Image File: 3930038a.jpg
Thumb Nail Path:
Item Name: Former McMyler Hoist
Location: Dyke 3, Carrington [Newcastle City]
SHI Number: 3930038

Caption: Dyke 3 Coal Loader Base
Copyright: EJE Architecture
Image by: Shea Hedley
Image Date: 16/02/2007
Image Number:
Image Path:
Image File: 3930038d.jpg
Thumb Nail Path:
Item Name: Master Mechanic's Office
Location: Selwyn St, Mayfield North [Newcastle City]
SHI Number: Not yet allocated

Address: 99 Selwyn Street Mayfield North 2304
Suburb / Nearest Town: Lot 43 DP 1191982
Local Govt Area: Newcastle
State: NSW

DP&I Region: Hunter & Central Coast
Historic Region: Lower Hunter
Parish: Newcastle
County: Northumberland

Other/Former Names:
Area/Group/Complex: Group ID:
Aboriginal Area: Awabakal
Curtilage/Boundary:
Item Type: Built Group: Industry Category: Other - Manufacturing
Owner: Port of Newcastle Lessor Pty Limited

Current Use: Vacant
Former Uses: Office
Assessed Significance: Local
Endorsed Significance:

Statement of Significance:
Historically significant as an item of built heritage associated with the former BHP Iron and Steel Works. The application of Inter-War Mediterranean style architectural elements to a building of an otherwise simple design is evidence of the prestige of the Master Mechanic (chief mechanical engineer), the intermediary between the maintenance staff and senior management in the American-inspired management hierarchy.

Historical Notes:
Constructed in 1933, a year of improvement in terms of trade after a very difficult period for the Steelworks. Centrally sited, ensuring effective supervision and communication, and timely repair in the case of breakdowns, allowing works engineers to develop local and specific knowledge of equipment and industrial processes.

or Provenance:
Themes:
National Theme: 3. Economy
State Theme: Industry
Local Theme: Development of steel industry
3. Economy: Technology
Engineering processes in steelmaking

Designer: Unknown; probably the Broken Hill Proprietary Company Ltd
Maker / Builder: Unknown; probably the Broken Hill Proprietary Company Ltd

Year Started: 1933 Year Completed: 1933 Circa: No

Physical Description: Inter-War Mediterranean style office building, in dry-pressed cavity brick. Original symmetry somewhat spoiled by intrusive alterations and additions at rear.

Physical Condition: Fair; deteriorating with proximity to salt water, and through lack of occupancy.

Modification Dates: Unknown
Item Name: Master Mechanic's Office
Location: Selwyn Street, Mayfield North [Newcastle City]

SHI Number: Not yet allocated

Recommended Management:
Approval has been given for the demolition of this item to make way for new port infrastructure.

Management: Follow State Agency Heritage Guide with regard to demolition.

Further Comments:
Criterion (a) Historically important as evidence of the day-to-day operation and maintenance of steelmaking plant.
Criterion (b) Representative of hierarchical management structures of the pre-War period, exhibiting the esteem in which highly-skilled engineers responsible for the physical operation and maintenance of the plant were held.

Integrity / Intactness: Fair

References:

Studies: EJE Group/Peter Fenwick BHP Steelworks CMP 1991

Parcels:
Latitude: Longitude:
Location validity: Spatial Accuracy:
Map Name: Map Scale:

AMG Zone: Easting: Northing:
Listings: State Environmental Planning Policy (Three Ports) 2013

Custom Field One:

Custom Field Two:

Custom Field Three:

Custom Field Four:

Custom Field Five:

Custom Field Six:

Data Entry: Date First Entered: 20/11/2013 Date Updated: 25/11/2013 Status: Partial
Item Name: Master Mechanic's Office
Location: Selwyn Street, Mayfield North [Newcastle City]
SHI Number: Not yet allocated

Image:

Caption: Master Mechanic's Office, looking north-west
Copyright: EJE Heritage
Image by: David Campbell
Image Date: 22/10/13
Image Number:
Image Path:
Image File: 100628874.jpg
Thumb Nail Path:
Item Name: Master Mechanic's Office
Location: Selwyn Street, Mayfield North [Newcastle City]
SHI Number: Not yet allocated

Image:

Caption: Master Mechanic’s Office, eastern elevation
Copyright: EJE Heritage
Image by: David Campbell
Image Date: 22/10/13
Image Number:
Image Path:
Image File: 100628875.jpg
Thumb Nail Path:
Item Name: Master Mechanic's Office
Location: Selwyn Street, Mayfield North [Newcastle City]
SHI Number: Not yet allocated

Image:

Caption: Master Mechanic's Office from the west, showing alterations and additions
Copyright: EJE Heritage
Image by: David Campbell
Image Date: 22/10/13
Image Number:
Image Path:
Image File: 100628880.jpg
Thumb Nail Path:
Item Name: **Pattern Store**
Location: Selwyn Street, Mayfield North [Newcastle City]
SHI Number: Not yet allocated

**Address:** 99 Selwyn Street Mayfield North
**DP&I Region:** Hunter & Central Coast
**Suburb / Nearest Town:** Lot 43 DP 1191982
**Historic Region:** Lower Hunter
**Local Govt Area:** Newcastle City
**Parish:** Newcastle
**State:** NSW
**County:** Northumberland

**Other/Former Names:**
**Area/Group/Complex:**
**Aboriginal Area:** Awabakal
**Curtilage/Boundary:**
**Item Type:** Built
**Group:** Industry
**Category:** Other - Manufacturing
**Owner:** Port of Newcastle Lessor Pty Limited

**Admin Codes:**
**Code 2:**
**Code 3:**

**Current Use:**
**Former Uses:**

**Assessed Significance:** Local
**Endorsed Significance:**

**Statement of Significance:** It is part of the fabric of the Pattern Store, rather than the building itself, which is significant. The sandstone blocks of which it is constructed came originally from Duckenfield House, seat of the Hon. John Eales, at Duckenfield near Morpeth. BHP used the remainder of the stone to construct two staff residences at the corner of Crebert Street and Margaret Street, Mayfield, in proximity to the works. Duckenfield House was one of the grandest Colonial houses of NSW. **Historical Notes:** BHP in 1918 purchased Duckenfield Park House with a view to re-using the sandstone blocks making up the main body of the mansion. The stone was loaded into barges and floated down the Hunter River to the Steelworks. Here it was used to construct the Pattern Store, in which were stored wooden foundry patterns used to create shapes in tempered sand, into which molten metal was then poured and allowed to solidify, creating castings needed for various applications within the steelworks. Stone walls and bitumen-covered concrete roof had the benefit of fire resistance for preserving the valuable, but flammable, moulds.

**Themes:**
- National Theme: 3. Economy
- State Theme: Industry
- Local Theme: Steelmaking

**Designer:** Thought to have been Mr Clary Rimpet.

**Maker / Builder:**

**Year Started:** 1917  
**Year Completed:** 1917  
**Circa:** Yes

**Physical Description:** Stone-built with flat bitumen-covered concrete roof.

**Physical Condition:** Poor.
Item Name: **Pattern Store**  
Location: Selwyn Street, Mayfield North [Newcastle City]  
SHI Number: Not yet allocated

Modification Dates: 
**Recommended** Unknown  
**Further Comments:** Approval has been given for the demolition of this item to make way for new port infrastructure; re-use stonework off-site.

Management:  
Follow State Agency Heritage Guide with regard to demolition.

Criterion (a) Previously associated with an important facet of steel production at former BHP Iron and Steel Works.

Criterion (b) 
Criterion (c) 
Criterion (d) 
Criterion (e) 
Criterion (f) 
Criterion (g) Contains stone from former Duckenfield Park House (demolished).

Integrity / Intactness: Poor

References: 
<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maitland Daily Mercury</td>
<td>‘Hunt Club Ride to Duckenfield’</td>
<td>12/11/37, p. 9</td>
</tr>
<tr>
<td>Christopher Jay</td>
<td>A Future More Prosperous: The History of Ncle Steelworks</td>
<td>1999, pp. 46-47</td>
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Studies: 
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<th>Author</th>
<th>Title</th>
<th>Number</th>
<th>Year</th>
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<tbody>
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<td>EJE Group/Peter Fenwick</td>
<td>Conservation Plan for BHP Steelworks, Port Waratah</td>
<td>1991</td>
<td></td>
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<tr>
<td>EJE Heritage</td>
<td>Statement of Heritage Impact: Mayfield Intermodal Site</td>
<td>2013</td>
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Parcels:  
Latitude: 
Longitude: 
Location validity: 
Spatial Accuracy: 
Map Name: 
Map Scale: 
Easting: 
Northing:

Listings: **State Environmental Planning Policy (Three Ports) 2013**

Custom Field One: 
Custom Field Two: 
Custom Field Three: 
Custom Field Four: 
Custom Field Five: 
Custom Field Six:
**Item Name:** Pattern Store  
**Location:** Selwyn Street, Mayfield North [Newcastle City]  
**SHI Number:** Not yet allocated

**Caption:** Former BHP Pattern Store, from the south-west; note stone construction and flat concrete roof.

**Copyright:** EJE Heritage  
**Image by:** David Campbell  
**Image Date:** 22/10/13  
**Image Number:**  
**Image Path:**  
**Image File:** 100348876.jpg  
**Thumb Nail Path:**  
**Data Entry:** Date First Entered: 14/11/13  
Date Updated: 27/10/2013  
**Status:** Completed
Item Name: **Pattern Store**
Location: Selwyn Street, Mayfield North [Newcastle City]
SHI Number: Not yet allocated

**Image:**

**Caption:** Former BHP Pattern Store, from the west.
**Copyright:** EJE Heritage
**Image by:** David Campbell
**Image Date:** 22/10/13
**Image Number:**
**Image Path:**
**Image File:** 100348877.jpg
**Thumb Nail Path:**
Item Name: **Pattern Store**  
Location: Selwyn Street, Mayfield North [Newcastle City]  
SHI Number: Not yet allocated

**Image:**

![Image of Pattern Store](image_file)

**Caption:** Former BHP Pattern Store, from the north-west.  
**Copyright:** EJE Heritage  
**Image by:** David Campbell  
**Image Date:** 22/10/13  
**Image Number:**  
**Image Path:**  
**Image File:** 100348879.jpg  
**Thumb Nail Path:**
Item Name: **Palm**
Location: **Walsh Point, Kooragang Island [Newcastle City]**

**Address:**
2A Heron Road Kooragang NSW 2304
Lot 1 DP 757674

**Suburb / Nearest Town:**
Newcastle City
Lot 1 DP 757674

**State:**
NSW

**Local Govt Area:**
Newcastle

**Shi Number:**
Not yet allocated

**DP&I Region:**
Hunter & Central Coast

**Historic Region:**
Lower Hunter

**Parish:**
Newcastle

**County:**
Northumberland

**Other/Former Names:**

**Aboriginal Area:**
Awabakal

**Curtilage/Boundary:**

**Item Type:**
Movable/Collection

**Group:**
Transport – Water

**Category:**
Other - Transport - Water

**Owner:**
Port of Newcastle Lessor Pty Limited

**Admin Codes:**

**Code 2:**

**Code 3:**

**Current Use:**
Vacant

**Former Uses:**
Vacant

**Assessed Significance:**
Local

**Endorsed Significance:**

**Statement of Significance:**
Associated with the former New South Wales State Government Dockyard and Engineering Works, opened in November 1914. The Canary Island palm is said to have been part of the garden of the Manager’s residence.

**Significance:**

**Historical Notes:**
Walsh Island, originally unstable banks of deposited silt in the Hunter River, between 1897-1918 was built up with harbour silt by the Department of Public Works, and named after engineer Henry Walsh. In 1913, work began on the Dockyard, a result of the NSW Labor government’s vision to concentrate the means of production in the public sector. Absent a bridge to the mainland, a Manager’s residence was built at Walsh Point, allowing close supervision of the works. From the early 1950s, silt was pumped to join Walsh, Spectacle, Ash, Mocheto and Dempsey Islands into a single, large landform called Kooragang Island. The former Manager’s house was demolished, its garden is located at the southern tip of Walsh Point.

**Themes:**

<table>
<thead>
<tr>
<th>National Theme</th>
<th>State Theme</th>
<th>Local Theme</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. Economy</td>
<td>Transport</td>
<td>Harbour Development</td>
</tr>
<tr>
<td>3. Economy</td>
<td>Transport</td>
<td>The shipping of coal and other goods</td>
</tr>
</tbody>
</table>

**Designer:**
Unknown

**Maker / Builder:**
Unknown

**Year Started:**
Unknown
**Year Completed:**
Unknown
**Circa:**
Yes

**Physical Description:**
Canary Island palm at Walsh Point, southernmost landform of former Walsh Island (now Kooragang Is.)

**Physical Condition:**
Good.

**Modification Dates:**
Unknown; house and garden abandoned along with Dockyard in 1933; relics still extant in the 1960s.
Item Name: Palm
Location: Walsh Point, Kooragang Island [Newcastle City]
SHI Number: Not yet allocated

Recommended Management:
- Conserve within foreshore zone.

Management:
- Consult arborist as necessary.

Further Comments:
- May be the sole remaining above-ground evidence of now-demolished Manager's residence and garden.

Criterion (a)
- May be the sole remaining above-ground evidence of now-demolished Manager's residence and garden.

Criterion (b)
- Representative of ornamental species much used by NSW government enterprises in the 1920s.

Criterion (c)

Criterion (d)

Criterion (e)

Criterion (f)

Criterion (g)

Integrity / Intactness:
- Fair

References:

Studies:

Parcels:

Latitude:

Longitude:

Location validity:

Spatial Accuracy:

Map Name:

Map Scale:

AMG Zone:

Easting:

Northing:

Listings:
- State Environmental Planning Policy (Three Ports) 2013

Custom Field One:

Custom Field Two:

Custom Field Three:

Custom Field Four:

Custom Field Five:

Custom Field Six:

Data Entry:
- Date First Entered: 07/11/13
- Date Updated: 23/11/13
- Status: Partial
Item Name: Palm
Location: Walsh Point, Kooragang Island [Newcastle City]
SHI Number: Not yet allocated

Caption: Detail of Walsh Point Canary Island palm, originally identified in Newcastle LEPs.
Copyright: Port of Newcastle
Image by: Port of Newcastle
Image Date:
Image Number:
Image Path:
Image File:
Thumb Nail Path:
Item Name: Palm
Location: Walsh Point, Kooragang Island [Newcastle City]
SHI Number: Not yet allocated

Caption: Detail from Plan of Newcastle Harbour, 1916, updated to 1941; Manager’s residence and fenced grounds at bottom, centre of image.

Copyright: Expired.

Image by: University of Newcastle Cultural Collections; Admiralty Hydrographic Office, Taunton, Somerset.

Image Date: 26/11/2013

Image Number:
Image Path:
Image File:
Thumb Nail Path: