



Rehabilitation of Bridge on Parramatta Road over Duck River, Auburn

Review of Environmental Factors

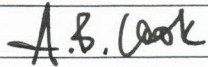
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I Introduction and Methodology

I.1 Name of the Proposed Activity

Rehabilitation of Bridge on Parramatta Road over Duck River, Auburn

I.2 Local Government Areas

Parramatta City Council and Auburn Council

I.3 RTA Region

Sydney Region

I.4 Introduction

The Roads and Traffic Authority of NSW (RTA) proposes to carry out rehabilitation of the Bridge on Parramatta Road over the Duck River (the River) which is located on the border of Auburn and Granville (the Bridge).

This Proforma I Review of Environmental Factors (REF) has been prepared by Environmental Technology on behalf of RTA Sydney Asset Management. For the purposes of these works, the RTA is the proponent and the determining authority under Part 5 of the *Environmental Planning and Assessment (EP&A) Act 1979*.

The purpose of the REF is to describe the Proposal, to document the likely impacts of the Proposal on the environment, and to detail protective measures to be implemented.

The description of the proposed works and associated environmental impacts have been undertaken in context of Clause 228 of the *Environmental Planning and Assessment Regulation 2000*, the *Threatened Species Conservation (TSC) Act 1995*, the *Fisheries Management (FM) Act 1994*, and the (Commonwealth) *Environment Protection and Biodiversity Conservation (EPBC) Act 1999*. In doing so, the REF helps to fulfil the requirements of Section 111 of the EP&A Act, that the RTA examine and take into account to the fullest extent possible, all matters affecting or likely to affect the environment by reason of the activity.

This REF has been prepared in accordance with the RTA's Proforma I REF as presented in the RTA's *Environmental Impact Assessment Policy, Guidelines and Procedures, Version 4 2001*.

The findings of the REF would be considered when assessing:

- Whether the Proposal is likely to have a significant impact on the environment and therefore the necessity for an Environmental Impact Statement (EIS) under Section 112 of the EP&A Act.

- The significance of any impact on threatened species as defined by the TSC Act, in Section 5A of the EP&A Act and therefore the requirement for a Species Impact Statement (SIS).
- The potential for the Proposal to significantly impact a matter of national environmental significance or Commonwealth land and the need to make a referral to the Commonwealth Environment Minister in accordance with the EPBC Act.

1.5 Background

The original Bridge over the River was built in 1914 and consisted of 8 continuous spans with dimensions of 1 x 3.05m, 6 x 3.66m and 1 x 3.05m. In 1930, the Bridge was widened on the northern side by building four additional spans with each span having a dimension varying from 7.0m to 7.6m. The Bridge was widened again in 1966 on both sides to carry public utilities and footways. This latest widening consisted of another 4 spans with each span having a dimension varying from 7.0m to 7.6m. All of the above spans are supported on piles and by the abutments. Most of these elements are exposed but some are covered by the abutments.

In February 2005 a detailed inspection and assessment report was prepared by RTA Operations, Bridge Section Bridge Evaluation and Assessment (RTA, 2005). This report found that the Bridge is generally in good condition except for the piles and that the Bridge still has a substantial life span once the piles are repaired. The report recommended that regular maintenance and inspection of the bridge be carried out and that rehabilitation works be performed within the next 6 to 12 months. The rehabilitation works recommended are:

- repair all piles classified in RTA (2005) as in Fair, Poor or Very Poor condition;
- provide protective coating to all piles;
- repair all the minor spalls in the headstocks and soffits; and
- maintain/replace the rusty attachments for the services under the bridge.

A subsequent report was prepared in September 2005 by GHD Pty Ltd (GHD). This report investigated the scope of the repairs required. The GHD report concluded that:

- approximately 40m² of pile surface area is damaged representing approximately 20% of the total exposed pile surface area;
- the amount of pile surface damage has increased by an estimated 20% since an investigation performed in 2000 by Taywood Engineering Ltd (not examined for this REF);
- the dominant corrosion mechanism for the pile element is chloride ingress; and
- the dominant deterioration mechanism for the superstructure elements is carbonation, however no corrosion damage was found on these elements.

The Proposal would involve the implementation of works to rehabilitate the Bridge piles and to prevent further corrosion by chlorine ingress.

1.6 Methodology

The method in which this document has been prepared is as follows:

1. A discussion was held with the Project Manager to consider the Proposal.
2. An RTA Environmental Technology representative undertook a site visit on the 28th November, 2005 to provide an overview of the Proposal and to discuss any issues relevant to the completion of the REF.
3. The following agencies and RTA personnel were notified and/or consulted:
 - RTA's Aboriginal Heritage Advisor, Sydney Region;
 - Parramatta City Council;
 - Auburn Council; and
 - DPI Fisheries.
4. A desktop search was conducted on the following databases to identify any potential issues:
 - Australian Heritage Database;
 - NSW Heritage Office State Heritage Register and State Heritage Inventory;
 - DEC Aboriginal Heritage Information Management System (AHIMS);
 - DEC Atlas of NSW Wildlife - Threatened Flora and Fauna Records;
 - DEH Protected Matters (EPBC Act) Database;
 - DPI FishFiles Database and NSW Fisheries Threatened Species List;
 - DEC Contaminated Land Records;
 - DEC Air Quality Records;
 - DNR Acid Sulphate Soils Risk Map;
 - National Pollutant Inventory; and
 - DPI Noxious Weeds List.
6. A literature review and review of documentation was undertaken with regards to the following:
 - Landform, Geology, and Soils;
 - Potential Acid Sulphate Soils;
 - Local Environment Plans;
 - Regional Environmental Plans;
 - State Environmental Planning Policies;
 - Council's State of Environment Report;

2 Description of Proposal Site and Study Area

2.1 Location

The Bridge is located on Parramatta Road on the border of Auburn and Granville (Figure 2.1). The area that would be directly impacted by the proposed works is known as the Proposal site. The Proposal site is the area under the Bridge and the south-east bank of the River immediately adjacent to the Bridge and adjacent to Parramatta Road. A buffer zone of 50m is applied in all directions around the Proposal site and 100m upstream (south) and downstream (north) of the Proposal site. The buffer zone is conservatively applied and accounts for potential indirect impacts. The study area for the Proposal incorporates the Proposal site and the buffer zone.

2.2 Description of the Existing Environment

2.2.1 General

The study area is located within an extensively disturbed setting and is characterised by urbanisation. The Duck River riparian zone is narrow and weed infested (Appendix A, Photo 1). Remnant vegetation includes Grey Mangroves (*Avicenna marina*), Swamp Oak (*Casuarina glauca*) and Gum trees (*Eucalyptus sp.*). Many of the trees are covered in exotic vines and rubbish litters the banks and is caught among the Bridge piles. The remains of old wooden piles are observed under the Bridge at low tide and are in an advanced state of decay.

Land use in the study area is characterised by retail, industry and transport. The Bridge experiences a high volume of commuter and heavy traffic and is flanked on all four sides by accesses to industrial and commercial premises. The entrance to the Clyde Waste Transfer Station (transfer of waste from road to rail) is located south-east of the Bridge. This operation generates numerous heavy vehicle trips through the Proposal site, primarily of rubbish trucks.

The Bridge facilitates east-west traffic flow between Parramatta and Sydney. It comprises a reinforced concrete deck, supported by seven rows of headstock and crossbeam that in turn are supported by 49 reinforced concrete square piles. The Bridge carries three lanes eastbound (of which one is a right hand turning lane) and two lanes westbound. The speed limit along this stretch of Parramatta Road and across the Bridge is 60km/h.

The area is well serviced by public transport. The rail stations, Clyde, Granville and Auburn are all in close proximity. A number of used and disused rail bridges cross the River south of the Proposal site. There is no cycleway through the Proposal site however a pedestrian footpath runs along each length of the Bridge.

2.2.2 Topography

The Proposal site is located within a small gully associated with the River. The surrounding areas to the east and west, including the road and the Bridge, are largely level with a local relief of less than 2m. The River channel directs water flow in a winding route from the northwest to the northeast and the banks along it are moderately to steeply sloping. Within the study area, the riparian zone is wider south of the Bridge, facilitating banks with longer and gentler slopes. North of the Bridge, the banks are steeper and shorter and commercial premises are built close to the water's edge.

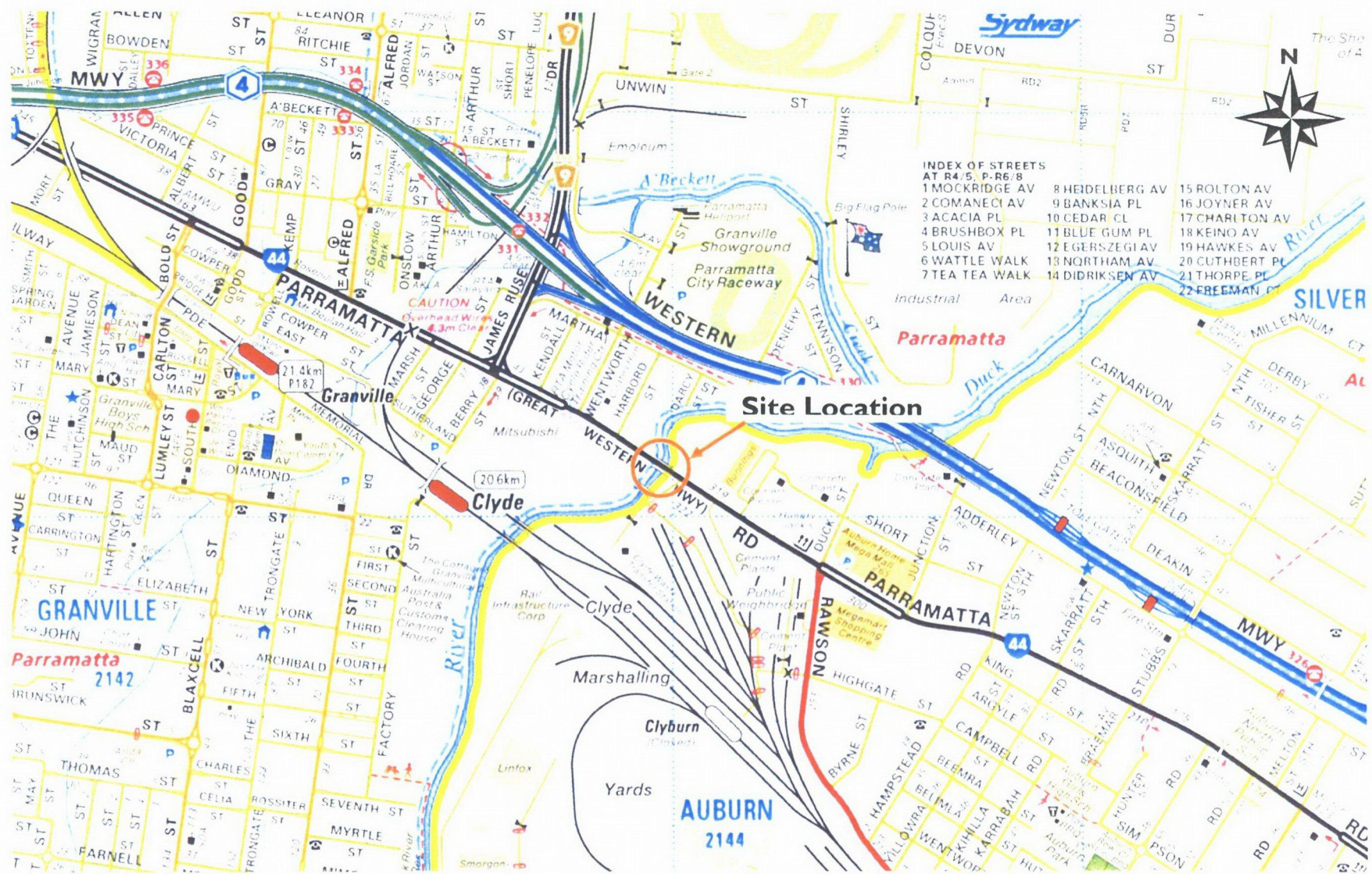


Figure 2.1: Location of the Proposal (Map provided courtesy of Sydways digital maps. Not to Scale)

2.2.3 Geology and Soils

The soil landscape present at the Proposal site is identified as Disturbed Terrain (Chapman et al., 1989). This indicates that the soil materials present have not developed in-situ rather they comprise imported fill and other waste material. There is a potential for existing site contamination, depending on the fill imported.

The study area forms part of the headwaters of Sydney Harbour and is a tributary of the Parramatta River. It is likely that before filling the area was swampy. The geology is described as, artificial fill which may be comprised of rocks, demolition rubble and industrial and household waste. The topsoil is likely comprised of alluvium, gravel, sand, silt and clay (Chapman et al., 1989).

The study area is largely covered by concrete, buildings and roads. Limitations of disturbed terrain are dependent on the nature of the fill material, however common issues include, mass movement hazard, unconsolidated low strength materials, impermeable soil, poor drainage and toxic materials. There is no evidence observed of recent erosion or slumping of the River banks within the study area.

2.2.4 Climate

The closest weather recording station is located at Parramatta, NSW and is approximately 3km northwest of the study area. Data from this recording station, sourced from the Commonwealth Bureau of Meteorology website, indicates that the study area experiences a moderate climate. The driest months of the year are from August to November with an average rainfall of 58mm per month. January to April provides warm and wet conditions with an average rainfall of 94mm per month and up to an average of 10 rain days per month.

Table 2.1: Climate Averages for Station 066046 Parramatta

	Mean daily max. temp. - deg C	Mean daily min. temp. - deg C	Mean monthly rainfall - mm	Mean no. of raindays
Jan	28.1	16.7	89.4	9.4
Feb	27.7	16.6	96.2	9.9
Mar	26.4	14.9	99.1	9.9
Apr	23.4	11.5	91.3	9
May	20.3	8.2	79.7	8.8
Jun	17.5	5.7	82.4	9.1
Jul	17	4.5	79.6	7.8
Aug	18.7	5.4	55.0	7.4
Sep	21.4	7.7	51.4	8.4
Oct	23.7	10.8	62.5	8.7
Nov	25.8	13.3	62.5	8.7
Dec	27.6	15.6	72.3	9.2
Annual	23.1	10.9	921.3	106.4

Data sourced from the Commonwealth Bureau of Meteorology website.

2.2.5 Drainage and Watercourses

The study area is located within the Duck River catchment and the Proposal site is approximately 2.7km upstream from the confluence with the Parramatta River. The River is a major tributary of the Parramatta River and has a large catchment of approximately 45km² containing dense residential, commercial and industrial areas. The Proposal site is located approximately 1km upstream of the Lower Duck River Wetlands which are listed as significant remnant wetlands on the Australian Heritage Database.

Within the Proposal site the River is subject to tidal flows. Runoff from Parramatta Road drains directly to the River via two stormwater drains that discharge at the northwest and southwest abutments (Photos 2 and 3, Appendix A). The site visit was performed after rainfall and at low tide. At this time, flow in the River was brown in colour.

North of the Bridge within the Proposal site, the banks of the River are modified by use of rock rubble and retaining walls. Commercial premises and car parks are built on this reclaimed area and are located on the bank of the River. The River channel is of natural material and appears to be silted.

Within the study area, the riparian zone is partially fenced. Access is limited to scrambling down vegetated banks. There is no pathway to the waters edge or alongside the River and it appears that persons do not regularly access the riparian zone. It is considered that recreational use of this section of the River is limited to viewing by pedestrians crossing the bridge. The River is closed to recreational vessels.

2.2.6 Biodiversity

The study area is located approximately 1km northeast of the Duck River Reserve, which incorporates open parklands, playing fields and walking and cycle pathways. The River defines a narrow vegetated corridor along its length, which widens in some places to accommodate reserves, gardens and parkland. Newington Nature Reserve, incorporating Warrgul Wetlands is located approximately 4km northwest of the study area after the confluence of the River with the Parramatta River. Discussion of threatened flora and fauna listed previously recorded or potentially occurring in the study area is provided in Section 8.4.

Flora

A narrow band of remnant vegetation occurs along the river banks. These include Grey Mangroves (*Avicenna marina*), Swamp Oak (*Casuarina glauca*), Gum trees (*Eucalyptus sp.*) and Wattle (*Acacia sp.*). A weedy understorey is present including Green Cestrum (*Cestrum parqui*), Lantana (*Lantana camara*) and Castor Oil Plants (*Ricinus communis*). The groundcover is comprised of weed species including Cobblers Pegs (*Bidens pilosa*), Balloon Vine (*Cardiospermum grandiflorum*) and Morning Glory (*Ipomea indica*)

Fauna

The study area provides habitat that may be utilised by a number of bird, bat and mammal species. No hollows or fallen logs were observed, however scrutiny was impaired by the presence of a thick carpet of vine growth over the ground and around the tree trunks. A Welcome Swallow (*Hirundo neoxena*) was observed nesting under the Bridge.

Aquatics

Within the study area the River is approximately 7m wide and up to 1m deep. Grey Mangroves grow along the edge of the river and the toe of the river bank is characterised by mangrove pneumatophores. Pneumatophores are specialised emergent roots that grow vertically and function to deliver oxygen to roots below the water surface. These root systems stabilise the mangrove trees and buffer the bank against erosion. Mangroves in the study area appear healthy and young mangrove plants are observed naturally regenerating bare sections of the bank.

At the time of the site visit there had been recent rain and the River was flowing moderately at low tide and was characterised by open water that was cloudy brown in colour. Snags were observed, however no fish activity was evident. During a subsequent site visit by regional environmental staff the water was clear and activity of fish (determined to be mullet) was observed.

Within the study area the banks are earthen, excepting the north eastern banks which partially consist of retaining timber walls and rock rubble.

2.2.7 Noise

There are no sensitive noise receptors within the vicinity of the Proposal site and the existing noise levels are high. The Proposal site is located under a busy road that experiences high volumes of heavy traffic. Commercial and industrial premises are located adjacent to the Proposal site. The majority of adjacent retail trading activity is performed indoors and use of these premises is during business hours. There are no residences, schools or other sensitive receptors within the vicinity of the Proposal site.

2.2.8 Air Quality

Air quality within the Parramatta LGA and the Auburn LGA is influenced by the entire Western Sydney Region and varies from moderate to low. Under given conditions, pollution generated further west impacts upon the area and vice versa. Air pollution continues to be a problem in the Parramatta and Auburn LGAs.

2.2.9 Visual Amenity

The visual amenity of the Bridge from the road is low. The bridge design is such that there are few defining features, apart from the handrail, to alert road users that a waterway is being crossed or that a bridge structure is in place. The surface of the bridge largely resembles a continuation of the road and is not a dominating feature of the area (Appendix A, Photo 4). The presence of mangroves and other riparian vegetation within the study area provides moderate visual amenity to road users and pedestrians.

2.2.10 Traffic

The RTA Annual Average Daily Traffic (AADT) data indicate that Parramatta Road at the Duck River Bridge has an average daily total of 62633 vehicles (2002 count). This data accounts for all vehicles moving through the area in both directions.

A speed camera is located within the eastern portion of the study area. The study area does not contain any bus stop. Traffic is observed during the site visit to be busy with many trucks, semi-trailers and garbage trucks using the Bridge.

3 Description of the Proposal

At the time of writing, the contract for design and construction of the Proposal had not yet gone to tender, therefore a detailed construction process specific to the Proposal is not included in this REF. A likely description of the Proposal, based on similar projects, is detailed below. If the final construction processes deviate from this description, the Regional Environmental Advisor, Sydney Region would be informed and would determine whether further assessment is required.

3.1 Description of the Proposal

The Proposal is for maintenance works on the Bridge on Parramatta Road over the Duck River at Auburn. The proposed works would include repair to the structural integrity of the Bridge and installation of an impressed current cathodic protection (ICCP) system on the piles to mitigate the effect of alkali aggregate reaction (AAR). All works would be performed at low tide and there would be no need for a coffer dam. The piers would be accessed from the river bank by foot and all equipment would be carried in.

The repair process would involve removal of damaged concrete material on the piles as identified in the pre-installation survey. This would involve cutting and cleaning the damaged area with grinders, saws, jackpicks and high pressure water blasting. Renderoc HB40, Barramortar HL or Renderoc LA55 would be used to backfill the surfaces of the repaired piles as per ICCP system recommendations. Additionally the surface would be tool finished and curing and bonding agents would not be used between any of the layers. Where applicable, the concrete used would be suitable for underwater applications.

Each pile would have a series of recesses cut to fix the ribbon members for the ICCP system. There would be no installation of ICCP system elements to the sandstone abutments of the Bridge. Additional concrete housing would be installed and evenly spaced vertical reinforcements would be implemented. Anode ribbons would be installed vertically on the outer side of the steel reinforcement being separated from the reinforcement by a cementitious spacer. The concrete housing would extend from below the mean low water level to the headstock soffit of the bridge.

The ICCP system would involve installation of a digital remote control and monitoring system on one corner of the bridge. The main characteristics of the system would include:

- Online monitoring;
- Remote control and monitoring facility;
- Constant current control;
- Alarm function;
- Graphical user interface;
- Automatic data collection and saving; and
- Automatic stray current test.

One junction box for each pile would be positioned between the pile column and road deck and zinc silver/silver chloride electrodes would be installed at various locations on the Bridge structure. To monitor the soil water anode system, electrodes would be installed in the water at a number of the piles and in the soil at the base of at least one pile.

PVC conduit covered feeder cables would supply a current from the digital remote control and monitoring unit to each of the junction boxes that would in turn transfer the current to the anode ribbon. An anode sled would be located on the creek bed and a PVC conduit anode cable would direct current to the sled. The conduit and cable would be routed via the piles to the anode sled, which would be weighted with concrete bags.

The concrete housing for the piers would be poured into a custom pre-made mould. All works would be performed at low tide and there would be no need for a coffer dam.

The ICCP System would be implemented in accordance with the following Australian Standards:

- AS 2832.2, *Cathodic Protection of Metals, Part 2: Compact buried structures*;
- AS 2832.3, *Cathodic Protection of Metals, Part 3: Fixed immersed structures*;
- AS 2832.5-2002, *Cathodic Protection of Metals, Part 5: Steel in concrete structures*.

3.2 Construction Activities

3.2.1 Construction Processes and Work Methodology

The piers would be accessed from the river bank on foot at low tide and all equipment would be carried in. The piles of the Bridge would be cleaned and repaired prior to application of the ICCP. Implementation of the ICCP would be a staged process actioning each pile individually and sequentially. The anode ribbons would be inserted to pre-cut vertical slots on each pile before adding the concrete to a prepared moulding by pouring using a pump.

Excavation would be undertaken at one pile to enable the protection system to be implemented below the mean low water level. If the spoil is determined to be free from contamination and not potential acid sulphate soil, it would be recycled as fill for the excavated area after application of the anode ribbons and concrete.

Following repair of the piles, a coating system would be applied to the superstructure elements.

3.2.2 Construction Equipment

Plant and equipment likely to be used in the construction would include:

- Air compressor;
- Power tools (electric saws, drills, grinders, vibratory hammers);
- Various hand tools;
- Scaffold;
- Water pump;
- Truck and utility; and
- Concrete trucks and pump.

3.2.3 Access

Access to the Proposal site would be obtained via the south eastern bank of the River via the driveway to the Clyde Marshalling Yards located east of the Proposal site. Access to the area under the Bridge via the River bank would be by traversing on foot below the first span of the westbound lane. The access would be cleared of weed matter that characterises this area and from the top of the bank to away from the waters edge would be gravel covered to reduce the impact of vehicles and equipment and to ameliorate any erosion that may occur. Use of this area would enable efficient transfer of equipment and materials for the proposed activities.

3.2.4 Utilities

Electricity for the site would be sourced from the existing power utility poles located along Parramatta Road. This would provide power required for the construction activities and to operate the ICCP system. The electricity would be trenched from the pole to where the digital remote control and monitoring system is installed and would not involve any vegetation clearing. Generators may also be used as an alternative to provide power for the construction activities.

A water main is located under the Bridge, however it is not anticipated that this utility would be relocated or impacted upon as a result of the Proposal.

The Contractor would obtain the appropriate utility drawings before any work involving utilities. Work involving utilities would be determined prior to commencement of works in consultation with the relevant service provider and would be undertaken or directed by the relevant service provider.

3.2.5 Source of Material

Materials for the ICCP system would be sourced from a supplier of materials required for the cathodic protection process. Concrete and similar material would be obtained from local businesses within the region as required. Materials would be transported to the site as required and not stockpiled, to eliminate the need for an extensive storage area.

3.2.6 Additional Truck Movements

The proposed works would result in approximately four additional truck movements per day which would involve the RTA gang truck and utility on a daily basis and a concrete truck as required over the period of construction.

3.2.7 Stockpile and Compound Sites

A small compound site would be located within the industrial area located immediately south east of the Proposal site. The industrial area is easily accessed from either the eastbound or westbound lanes of Parramatta Road via the driveway to the Clyde Marshalling Yards. The compound site would be established on a level sealed section of ground as arranged by consultation with the proprietors of the property. No additional clearing or vegetation removal would be required for the compound site. The compound site would maintain the requirements of the Proposal with equipment being transported to and from the Proposal site on a daily basis. Whilst the location of the compound site is not likely to be subject to flooding, in the event of a likely flood event as determined by weather reports, the compound site would be decommissioned and all equipment and personnel removed.

Stockpiling at the compound site may be required for the small amount of excavated material resulting from installing elements of the ICCP below the mean low water level. Sediment fences and bunding would be implemented to reduce the chance of any material escaping and entering the River.

3.3 Workforce and Working Hours

The workforce would comprise approximately 5-6 personnel.

It is anticipated that working hours for the Proposal would be undertaken during standard working hours adopted by the RTA as detailed below:

Standard Working Hours:

Monday – Friday:	7.00am to 6.00pm
Saturday:	8.00am to 1.00pm
Sunday and Public Holidays:	No work.

Work within the River bed would only be performed at low tide.

Should work be required outside of the standard working hours, the procedure contained in the RTA's *Environmental Noise Management Manual 2001*, "Practice Note vii – Roadworks Outside of Normal Working Hours" would be followed.

3.4 Commencement of Works

It is anticipated that the proposed works would commence in the third week of March 2006.

3.5 Period of Construction

Given ideal working conditions it is anticipated that construction duration would be a period of approximately 14 weeks from the commencement date.

3.6 Proposal Cost and Source of Funds

The Proposal would cost approximately \$450,000 and funding would be sourced from the State Maintenance Fund.

4 Statutory Position

4.1 Local Environmental Plans

The Proposal is located within land located at the borders of the Local Government Areas (LGA) of Parramatta City Council and Auburn Council. The boundary between the two LGAs is provided by the path of the River. The following LEPs are relevant to the Proposal:

- Parramatta Local Environment Plan, 2001 (LEP 2001); and
- Auburn Local Environment Plan, 2000 (LEP 2000).

Parramatta Local Environment Plan, 2001

Where the Proposal site is located within land controlled by the LEP 2001 the land is assigned as Zone 4, Employment Zone. Under this zone, development for roads is allowed with consent. However, Part 1, Clause 11 of the LEP 2001 adopts Clause 35 of the *Environmental Planning and Assessment Model Provisions, 1980* (Model Provisions). Clause 35 of the Model Provisions states:

*'Nothing in the local environment plan shall be construed as restricting or prohibiting or enabling the consent authority to restrict or prohibit:
(a) the carrying out of development of any description specified in Schedule 1'*

Schedule 1 of the Model Provisions describes:

'8 The carrying out of any development required in connection with the construction, reconstruction, improvement, maintenance or repair of any road, except the widening, realignment or relocation of such a road.'

The Proposal would be for the improvement and repair of a road. Therefore where the proposed works would be performed in Zone 4, the Employment Zone of the Parramatta LGA, development consent from Council would not be required due to adoption of the Model Provisions in the LEP 2001.

Auburn Local Environment Plan, 2000

Where the Proposal site is located within land controlled by the LEP 2000 the land is assigned as Zone 4(c) Industrial Enterprise Zone. Under this zone, development for utility undertakings is allowed with consent. However, Part 10, Clause 58 *Development by public authorities*, of the LEP 2000 states that:

'(1) Nothing in this plan is to be construed as restricting or prohibiting or enabling the consent authority to restrict or prohibit, the carrying out of an activity of any description specified in Schedule 3 by a public authority or a corporation that was a public authority that has been privatised.'

Schedule 3 *Development by public authorities* of the LEP 2000 describes:

'8 The carrying out of any development required in connection with the construction, reconstruction, improvement, maintenance, repair or operation of any road, except the widening or realignment of a road.'

The Proposal would be for the improvement and repair of a road. Therefore where the proposed works would be performed in Zone 4(c) the Industrial Enterprise Zone in the Auburn LGA, development consent from Council would not be required, due to adoption of the Model Provisions in the LEP 2000.

4.2 Regional Environmental Plans

The following Regional Environmental Plan (REP) applies to the Proposal:

Sydney Regional Environmental Plan (Sydney Harbour Catchment) 2005 (Sydney Harbour Catchment REP)

The Sydney Harbour Catchment REP applies to land within the Sydney Harbour Catchment. The Proposal site falls within land shown edged with heavy black on the Sydney Regional Environmental Plan (Sydney Harbour Catchment) 2005—Foreshores and Waterways Area Map. The aims of the Sydney Harbour Catchment REP, in Part 1, Clause 2 include:

'(a) to ensure that the catchment....waterways.... of Sydney Harbour are recognised, protected, enhanced and maintained:

for existing and future generations,.....

(c) to achieve a high quality and ecologically sustainable urban environment'

The Proposal for rehabilitation of the Bridge contributes to achievement of these objectives. Deterioration of the Bridge would lead to greater traffic congestion in the area. This would worsen air pollution and leakage of fuels and oils from vehicles. Rehabilitation of the Bridge would prevent material from eroding off the structure and polluting downstream areas and would facilitate ongoing efficient use of motor vehicle transport which would lessen the potential for detrimental impacts on the natural environment. Rehabilitation of the Bridge would ensure ongoing use of the associated road by existing and future generations and would improve and maintain a public asset to sustain the quality of the urban environment. Maintaining a high quality urban environment would minimise the impact on the surrounding natural environment, by facilitating efficient travel and by stabilising the Bridge structure. The Proposal would contribute to protection of the quality of the waterway for existing and future generations.

Part 1, Clause 10 of the Sydney Harbour Catchment REP states:

'Nothing in this plan is to be construed as restricting or prohibiting or enabling the consent authority to restrict or prohibit the carrying out of development of any description specified in Schedule 1 of the Environmental Planning and Assessment Model Provisions 1980 on land within the Foreshores and Waterways Area.'

The Model Provisions are discussed in Section 4.1. Following the same reasoning, provisions in the Sydney Harbour Catchment REP allow that development consent is not required for the Proposal.

4.3 State Environmental Planning Policies

No State Environmental Planning Policies apply to the Proposal

4.4 Confirmation of Part 5 Position

All relevant statutory planning instruments have been examined for the Proposal. The Proposal would be for the improvement and repair of a road, therefore where the proposed works would be performed in Zone 4, the Employment Zone of the Parramatta LGA, development consent from Council is not required, due to adoption of the Model Provisions in the LEP 2001. Where the proposed works would be performed in Zone 4(c) the Industrial Enterprise Zone in the Auburn LGA, development consent from Council would not be required due to adoption of the Model Provisions in the LEP 2000. The Proposal is therefore assessed under Part 5 of the EP&A Act.

5 Strategic Stage

5.1 Strategic Planning

The Proposal would be funded by State Maintenance funds and is part of an ongoing commitment by the RTA to address road safety in accordance with the RTA's responsibilities for ensuring a maximum level of service to road users.

The Proposal would contribute to achieving the objectives set out in the NSW Government's integrated transport plan, *Action for Transport 2010* and the companion document, *Road Safety 2010*. *Road Safety 2010* is a strategy developed to help New South Wales move towards having the safest roads in the world and objectives include:

- Keeping the road network in good order;
- Getting the best out of our system; and
- Preventing accidents and saving lives.

This Proposal would contribute to the keeping the road network in good order and to achieving safety objectives. Remediation of the piles supporting the Bridge would create a safer road and therefore help the RTA achieve the objectives of *Road Safety 2010*.

5.2 Need for the Proposal

The Parramatta Road is a vital east-west link between the geographic centre of Sydney (Parramatta CBD) and commercial districts to the east. Parramatta Road is heavily trafficked and hosts, almost along the entirety of its route, industrial and commercial zones. It provides a link between the economic hubs of the Sydney CBD and the Parramatta CBD and hosts businesses and industry that offer services to the local community and to the wider communities of Sydney and beyond.

At present a total of approximately 40m² of pile surface area, representing approximately 20% of the total pile exposed surface area, is damaged. This is estimated to represent an increase in damaged area of 20% when compared to an investigation performed in 2000. Damage to the piles is primarily caused by corrosion due to chlorine ingress. The dominant deterioration mechanism for the superstructure elements is carbonation, however no corrosion damage is found on these elements.

The proposed rehabilitation works are considered a necessary maintenance procedure to prevent further damage to the pile surface area. Rehabilitation would ensure that the Bridge maintains a normal level of service, without load restrictions and would provide for continued use of Parramatta Road into the future. In lieu of the proposed works the Bridge piles would further deteriorate. This would increase ongoing maintenance costs and would decrease safety and serviceability. Restricted load limits on the bridge would compromise the amenity of the area. The Proposal would provide safer conditions to the public and would ensure that use of the Bridge continues without load restrictions.

6 Concept Stage

6.1 Proposal Objectives

The proposed works are informed by the strategic planning framework identified. The Proposal objectives are to:

- retain the social and economic amenity of the community into the future by rehabilitation the Bridge;
- address public amenity by improving road safety;
- maintain and enhance economic amenity for the future by improving a public asset;
- protect environmental amenity by rehabilitating crumbling elements of the Bridge that would otherwise contribute to water pollution;
- minimise and avoid detrimental impacts on environmental amenity through preparation and implementation of this REF; and
- minimise impacts upon road users and the local community during the proposed works.

6.2 Options Considered

Option 1 – Do Nothing:

The Do Nothing option would result in no works being undertaken to rehabilitate the deteriorated piles of the Bridge. The safety and amenity of the Bridge would further decrease over time as chlorine ingress continued to deteriorate the concrete piles. The Bridge would decrease in serviceability and would eventually be declared unsafe for certain loads. Load restrictions would be applied to the Bridge and this would result in increased delays or increased congestion of alternative roads where traffic would detour to. The Bridge would eventually be decommissioned from the road network due to safety concerns, compromising the existing east-west road link and impacting on the amenity of the area. This option does not address the RTA's commitment to keep the road network in good order, to prevent accidents and save lives and to perform ongoing maintenance and improvement of public assets.

Option 2 – Conventional Patch Repair and Coat

The scope of work for this option would include:

- Conventional patch repair to all existing areas of damage; and
- Application of coating system to all elements.

The coating system is expected to reduce the extent of further corrosion activity by limiting carbonation and/or chlorine ingress. However this option is not chosen as it would not prevent ongoing corrosion where corrosion has already occurred. This option would therefore require future and ongoing patch repair and re-application of coating, which would impose a high ongoing cost.

Option 3 – Combination of Patch Repair, Cathode Protection and Coat

The scope of work for this option would include:

- Patch repair to all existing areas of damage;
- Installation of a cathode protection system to all piles;
- Application of coating system to the superstructure elements following conventional patch repair (if any).

Installation of the cathode protection system would mitigate corrosion by making the reinforcement act as a cathode rather than an anode, as it does when it corrodes. The effectiveness of the cathode protection system is not impacted by the amount of accumulated chloride ions around the reinforcement.

This option would limit any future damage to be minimal as the cathode protection system would prevent further corrosion including in those areas where corrosion has already begun.

Option 4 – Combination of Patch Repair, Cathode Protection and Re-alkalisation

The scope of work for this option would include:

- Patch repair to all existing areas of damage;
- Application of cathode protection system to piles; and
- Application of realkalisation to the superstructure elements, following patch repair to existing damage (if any).

This option was considered the best approach from a technical perspective, however it was not considered suitable due to:

- The high installation cost;
- The absence of damage to the superstructure elements; and
- The likelihood of superstructure reinforcement not being electrically continuous. This would not make realkalisation possible without making the reinforcement electrically continuous first.

Preferred Option

Option Three - Combination of Patch Repair, Cathode Protection System and Coat

Option Three is the preferred option as it is considered the most appropriate and cost effective long-term repair option for the Bridge.

7 Background Investigations and Consultation

7.1 Background Investigations and Database Searches

The following results were obtained from desktop database searches conducted for the study area. The information below provides a summary of the search results. Copies of all the search results are provided in Appendix B.

Australian Heritage Database

A search of the Australian Heritage Database (AHD) on the 25th November 2005 and the 12th December, 2005 was performed for the Auburn and Parramatta LGAs. None of the items listed on the AHD are within the vicinity of the Proposal site. The nearest item is the Lower Duck River Wetlands located approximately 650m downstream from the Proposal site. These wetlands are described as containing a significant proportion of the mangroves remaining in the Sydney region and the oldest known stand of mangroves remaining on the Parramatta River. These wetlands are considered further in Section 8.4.

NSW Heritage Office State Heritage Register/Inventory

A search of the State Heritage Register (SHR) was performed on the 25th November, 2005 for sites listed within the Auburn and Parramatta LGAs. A total of 7 and 68 items were found respectively, none of which are in the vicinity of the Proposal site. It is not anticipated that the Proposal would impact on any of these items or on any items listed on the SHR. These items are not considered further in this REF.

A search of the Inventory for the Auburn and Parramatta LGAs was performed on the 25th November, 2005 for sites listed within the Auburn and Parramatta LGAs. The search found a total of 103 and 1298 items respectively. The closest items listed as being located in the Auburn LGA are the Clyde Marshalling Yards, which are located approximately 350m south of the Proposal site and a Parramatta Milestone located on the southern side of Parramatta Road between the Duck River and Rawson Street. It is not anticipated that these items would be impacted by the proposed works. The closest items listed as being located in the Parramatta LGA are the Shell Oil Refinery Wharf located approximately 700m downstream from the Proposal site and Wetlands located along the Duck River. The proposed works would not require use of or impact to the Shell Oil Refinery Wharf and this item is not considered further in this REF. The Wetlands listing refers to mangroves growing within the Proposal site. The Proposal would involve harm to mangroves growing on the River banks. Impact upon the mangroves in this area is further addressed in Sections 8.4 and 9.2.

Auburn Local Environment Plan 2000

A search of Schedule 2 of the LEP was performed on the 12th December, 2005 for heritage items and heritage groups. No items of heritage significance additional to those addressed above were found within the vicinity of the Proposal site.

Parramatta Local Environment Plan 1996 (Heritage and Conservation)

A search of Schedules 1, 2 and 3 of the Heritage and Conservation LEP was performed on the 12th December, 2005 for heritage items of state, regional and local significance and for heritage conservation areas. No items of heritage significance additional to those addressed above were found within the vicinity of the Proposal site.

RTA Section 170 Heritage and Conservation Register

A search of the RTA Section 170 Heritage and Conservation Register was performed on 25th November, 2005 for listings within the RTA Sydney Region. None of the listed items are relevant to the Proposal and are not considered further in this REF.

NSW DEC Aboriginal Heritage Information Management System (AHIMS)

The DEC AHIMS Register was searched on 20th December, 2005 for a 5km radius around the Proposal site. The search revealed a total of 62 Aboriginal objects and places within the locality, none of which are within the study area. The closest item is located approximately 1.25km south southwest of the Proposal site and represents the nearest of a conglomeration of 9 Aboriginal open camps located along the upper reaches of the Duck River. All other items are located greater than 1.5km away from the Proposal site. There is no potential for impacts upon the items listed upon the AHIMS Register as the works would not require excavations, earthmoving or change to landform at the areas listed. Impacts on these items are not considered further in this report.

NSW DEC Atlas of NSW Wildlife - Threatened Flora and Fauna Records

The DEC Wildlife Atlas Flora and Fauna records were searched for the Proposal site (including a 5km buffer) on 7th December 2005. Three threatened flora species were recorded in the vicinity of the Proposal site. The closest recordings are approximately 1.75km northeast and southeast of the Proposal site and are *Wilsonia backhousei* and *Acacia pubescens* (Downy Wattle).

The DEC Wildlife Atlas found 5 fauna records within the vicinity of the Proposal site. The closest record is of *Litoria aurea* (the Green and Golden Bell Frog) which has been recorded approximately 1.25km southwest of the Proposal site on the Duck Creek. The next closest recording is of *Dasyurus maculatus* (the Spotted Tailed Quoll) located approximately 1.75km south southwest. Flora and fauna are further discussed in Section 8.4.

DEH Protected Matters (EPBC Act) Database

The EPBC Act database was searched on the 25th November, 2005 for listed matters of National Environmental Significance known from within 5km of the study area. The results are summarised in Table 1.

Table 1: Summary of EPBC Act Protected Matters Database Search

EPBC Act Protected Matters	From within 10km of the study area
World Heritage Properties	None found
National Heritage Places	None found
Wetlands of International Significance (Ramsar Wetlands)	1 found
Commonwealth Marine Areas	None found
Commonwealth Heritage Places	2 found
Threatened Species	20 potentially occurring
Threatened Ecological Communities	3 potentially occurring
Migratory Species	9 potentially occurring
Listed Marine Species	13 potentially occurring
Commonwealth Lands	7 found
Places on the RNE	85 found
Critical Habitats	None found
Regional Forest Agreements (RFA)	None found

NSW BioNet Database

The NSW Fisheries databases were searched via the NSW BioNet database on the 25th November, 2005 for the Auburn and Parramatta LGAs. The search identified no records for threatened or endangered fish species.

NSW DPI Noxious Weeds List

The NSW Department of Agriculture Noxious Weeds list was searched on 12th December, 2005 for the Auburn and Parramatta control areas. In the Auburn control area 31 weed species are declared as noxious. In the Parramatta control area 47 weed species are declared as noxious. The following is based on weeds identified at the site during the site visit and may not be inclusive of all weeds present.

Weeds identified at the study area and declared as noxious within both the Auburn and Parramatta control areas include:

- Green Cestrum (*Cestrum parqui*) (W2);
- Lantana (*Lantana camera*) (W2); and
- Castor Oil Plant (*Ricinis communis*) (W2);

Weeds present at the study and declared noxious only within the Parramatta control area are:

- Balloon Vine (*Cardiospermum grandiflorum*) (W4c); and
- Morning Glory (*Ipomea indica*) (W4c).

The potential impact of the Proposal to spread noxious weeds is further discussed in Section 8.4.

NSW DEC Contaminated Land Records

The DEC Contaminated Land Records were searched on 25th November, 2005 for the Auburn and Parramatta Council LGAs. The records identified five sites in the Auburn Council LGA and eleven sites in the Parramatta LGA. The closest contaminated property to the Proposal site is located greater than 500m southwest of the Proposal site and would not be impacted in any way by the Proposal. Contaminated land is not discussed further in Section 8.2.

NSW DEC Air Quality Information

The DEC Air Quality Information website was searched on the 13th December, 2005 for the nearest monitoring location, which is Chullora. The 24-hour air quality summary showed that all pollutant concentrations were within the standards set by the National Environmental Protection Measure.

The DEH National Pollutant Inventory

The National Pollution Inventory (NPI) was searched on 25th November, 2005 for air quality in the Auburn and Parramatta areas. The National Pollution Inventory indicates that air quality in the Auburn LGA is primarily affected by emissions from Public Order and Safety Services and from motor vehicles. Other significant sources in the area are from domestic/commercial solvents/aerosols, lawn mowing and motor vehicle refinishing. In all 44 pollution substances were found to be emitted from 31 sources. The major source, Public Order and Safety Services accounts for 27 of the substances identified including arsenic, benzene, beryllium, cadmium, chromium, cobalt, copper, dichloromethane, fluoride, hydrochloric acid, lead, mercury, dioxins and PAH's.

The National Pollution Inventory indicates that air quality in the Parramatta LGA is primarily affected by emissions from petroleum refining and from motor vehicles. Other significant sources in the area are from domestic/commercial solvents/aerosols, lawn mowing and motor vehicle refinishing. In all 43 pollution substances were found to be emitted from 29 sources. The major source, petroleum refining accounts for 20 of the substances identified including arsenic, benzene, beryllium, cadmium, chromium, lead, hydrogen sulphide and sulphur dioxide. Air quality is discussed further in Section 8.8.

DIPNR Acid Sulphate Soil Risk Mapping

The Proposal site is located in an area that is recorded on the DIPNR Acid Sulphate Soil Risk mapping database as disturbed terrain with an elevation of greater than 4m AHD and is not assigned a risk category.

7.2 Government and Community Consultation and Involvement

7.2.1 Government and stakeholder consultation

Relevant state government agencies and stakeholders were contacted and provided with the opportunity to comment on the Proposal. Table 2 lists the government agencies and stakeholders that were invited to comment on the Proposal for this REF. Responses received are summarised in column 1, while column 2 identifies the Section in the REF where addressed. Copies of all correspondences are provided Appendix 3.

Table 2: Summary of issues raised by government agencies and stakeholders.

Summarised Issues	Section in REF Where Addressed
Parramatta City Council	
A response to the consultation letter dated 1st December, 2005 was received on the 15th December, 2005. The Parramatta City Council had the following comments to make with regard to the proposed works.	
The Council has no concerns on the proposed activity provided:	
Public access is retained over the bridge during the proposed works;	Section 8.10
Noise from generators and other equipment should not generate complaints from residents, particularly at night;	Section 8.7
Transport of materials to the site should be undertaken to avoid complaints from residents regarding traffic and/or noise; and	Section 8.7
A flood plan should be developed to prevent equipment being washed downstream where it may cause damage to structures.	Section 8.3
Auburn Council	
No response to the consultation letter dated 1st December, 2005 was received at the time of finalisation of this REF. Michael Wojcik, an Engineer at Auburn Council was contacted by phone on 20th December, 2005 and had the following comments to make with regard to the proposed works.	
No concerns provided that pedestrian access is maintained during the works.	Section 8.10
DPI Fisheries	
A response to the consultation letter dated 30th December, 2005 was received on the 7th December, 2005. DPI Fisheries had the following comments to make with regard to the proposed works.	
DPI Fisheries requests that the following are included in the REF	
A permit must be obtained under Part 7 of the Fisheries management Act 1994 to harm marine vegetation (if it is determined subsequent to release of the final design that there would be impact to pneumatophores, trimming of mangroves or any other impact to marine vegetation).	Section 8.4 and 9.2
If a coffer dam is required, details of the coffer dam, a time frame for installation and removal, the construction materials to be used and the method of removal (the current scope of works does not require use of a coffer dam).	Section 8.3
If a coffer dam is required, clean fill or sheet piling must be used to construct the dam. Contaminated material, demolition rubble or acid sulphate soils must not be used as fill in any aquatic environment (the current scope of works does not include use of a coffer dam).	Section 8.3
If a coffer dam is required, provisions to protect fish during the	Section 8.3

Summarised Issues	Section in REF Where Addressed
dewatering process for the coffer dam must be in place and should include: • Any fish caught in the dewatering process must be immediately released downstream of the Proposal site, except carp which should be removed from the waterway where possible. • Pumps and screens must be large enough and pump velocities slow enough to allow fish to escape during the dewatering process. • Environmental safeguards (silt curtains, booms etc.) must be in place before and utilised during construction of the works to ensure there is no escape of turbid plumes into the aquatic environment. • Work is to be undertaken at low tide. • Sediment controls must not be removed until the site has settled following construction. Screens and guards should be carefully removed after the work is completed and all of the sediment has settled on the bottom. Sediment or silt screens should be inspected daily and maintained to prevent the escape of suspended sediments. • Fill or excavated material must not be stockpiled in flood prone areas in order to minimise sedimentation. Stockpiles and dumps should be located either above mean high water mark or be secure from a 1 in 10y flood level and have effective sediment control works to contain any runoff. • The area must be rehabilitated after the proposed works. • DPI Fisheries requested a copy of the REF for review and comment prior to works being undertaken.	Section 8.3 Section 8.3 Section 8.2 Section 8.2 Section 8.2 Section 8.2 Section 8.2 Provided on 2 March, 2006

7.2.2 Community Consultation and Involvement

Due to the small scale of the Proposal, no community consultation has been undertaken. However in accordance with the RTA's Community Involvement Practice Notes and Resource Manual, 1998 the affected community would be consulted prior to commencement of works.

8 Environmental Assessment

8.1 General

This section of the REF provides a detailed description of the potential environmental impacts associated with the Proposal during both construction and operation, and provides site-specific safeguards to ameliorate the identified potential impacts.

The environmental safeguards predominately outline additional site-specific requirements which are not covered by the RTA's QA Specifications – *Environmental Protection (Management Plan) QA Specifications 35, Soil and Water Management (Erosion and Sediment Control Plan) QA Specification G39 and Clearing and Grubbing QA Specification G40* for inclusion into the Contractors Environmental Management Plan (CEMP) and the Project Environmental Management Plan (PEMP). These safeguards would be implemented prior to construction, during construction and post construction. The CEMP and PEMP would be reviewed by the RTA's Regional Environmental Adviser, Sydney Region prior to the commencement of work.

8.2 Landform, Geology and Soils

Potential Impacts

The Proposal would involve disturbance to the banks of the River associated with gaining access and excavation of sediments within the River channel to install the ICCP.

The Proposal site is located within an area of disturbed terrain and the soils are largely comprised of imported fill of unknown composition. The unknown fill may include contaminated materials and the works could impact on acid sulfate soils (ASS) or contaminated sediments. Excavation also has the potential to generate contaminated spoil.

Release and transport of sediment could cause degradation of the existing environment by releasing contaminated material. These impacts would cause a change to the chemical and biological properties of the waterway which could impact the health of aquatic wildlife and flora including the Lower Duck River wetland assemblages located downstream from the Proposal site.

Trampling of the bank would disturb vegetation such as weeds (including noxious weeds), grass and Grey Mangroves. This could reduce the stability of the soil and increase the risk of erosion. If vegetation growing adjacent to the River edge was completely removed, including the roots, mass erosion including slumping could occur.

Erosion of the River bank would cause widening of the channel, transport of sediment and pollution of the waterway by turbid plumes. Transport of turbid plumes may be either to upstream or downstream areas due to the tidal nature of the River and would cause increased temperature and nutrient levels in the waterway. This would impact on the health of aquatic flora and fauna.

During construction there is a risk that loose concrete bridge elements and new material used for patching and coating of the Bridge elements could be released into the River. This material would pollute the River and could harm aquatic flora and fauna by increasing turbidity and altering the chemical composition of the waterway.

Site Specific Safeguards

- An Erosion and Sedimentation Control Plan (ESCP) would be developed and incorporated into the CEMP. The ESCP would be prepared in accordance with Landcoms *Managing Urban Stormwater: Soils and Construction. 4th edition March 2004* (The Blue Book). The ESCP would be reviewed by the RTA's Regional Environmental Adviser, Sydney Region prior to the commencement of works. As part of the ESCP, the sediment controls would be inspected and maintained daily and an auditable record of inspection and maintenance records kept and made available on site for review by any RTA personnel or Department of Primary Industries Fisheries Officer.
- Sediment controls (e.g. silt curtains and booms) would be utilised to ensure that turbid plumes of water do not leave the Proposal site. Sediment controls would be installed and operational before the start of works, would be utilised during construction and would not be decommissioned until any suspended sediments have settled.
- The silt curtains would extend from the creek bed to the water surface level with no gaps.
- The silt curtains would be large enough to contain the entire area of disturbance.
- The aperture of the silt curtain fabric would be small enough to restrict sediment from exiting the confined work area.
- Hardstand material or rumble grids would be implemented at entry and exit points of the Proposal site for vehicles to minimise the tracking of soil and particulates onto pavement surfaces.
- To protect the toe of the River bank from erosion, geotextile material would be fixed at the toe of the River bank and would be secured with metal pins. The material would be placed atop existing vegetation. Vegetation in this area would not be removed unless it is unavoidable. All geotextile material and metal pins would be completely removed at completion of the works. Alternatively a stable removable raised platform would be placed at the toe of the River bank and above the vegetation and mangrove pneumatophores. The raised platform would be utilised by all personnel when carting equipment to the underside of the bridge or when accessing the underside of the Bridge. The platform would be removed at the end of each working day and would be stored in the site compound.
- The access along the south-eastern River bank would be cleared and stabilised with gravel to reduce the likelihood of erosion.
- Rehabilitation of disturbed areas of the Proposal site, including the river banks and where mangroves are harmed, would be undertaken progressively as stages are completed. Disturbed areas would be restored to their natural shape at the completion of works and riparian plant species indigenous to the area would be used. Any stabilising matting or logs used would be made from rapidly biodegradable material e.g. coir.
- Removal of any riparian vegetation would be performed to least impact the River bank. Stumps would be left in-situ and would be levelled as close to ground level as possible.
- Before any excavation or disturbance to soil, potentially impacted soils and sediments would be sampled and tested in accordance with The RTA Guidelines for the Management of Acid Sulfate Materials (2005) to determine whether ASS are present. This investigation will also include analysis of potential contaminants in soils or sediments to be impacted or spoil that may be generated. An environmental management strategy should be prepared that provides appropriate management controls for any ASS or contaminated material that is identified. The management strategy would be prepared in consultation with the Regional Environmental Advisor, Sydney Region.
- No fill or excavated material would be stockpiled in flood prone areas or on slopes greater than 2H:IV. Stockpiles would be located 50m away from the high bank of any rivers or drainage lines and would be secure against the 1 in 10 year flood level.

8.3 Water Quality and Hydrology

Potential Impacts

The Proposal has the potential to release a range of contaminants into the River. These may include concrete material, coating material, cathode protection system material, fuels, oils and chemicals. Spillage of these potential contaminants may result from inadequate storage, from improper use or from an accident during use. Due to the tidal nature of the River, release of contaminants into the watercourse would cause degradation and pollution of both upstream and downstream areas, which include the Lower Duck River wetlands, recreational areas, fishing areas including Sydney Harbour and habitat for native fish, frogs, reptiles, birds and mammals.

Flooding may occur during the works. This is of particular hazard as the works would be performed within the River channel. Flooding during the works may endanger the safety of personnel, may cause damage to equipment and assets and may cause transport of pollutants to downstream areas.

There is potential that the Proposal would require use of a coffer dam to allow access to the Bridge structure. Use of a coffer dam would introduce a range of potential impacts that are not addressed in this REF.

Site Specific Safeguards

- An incident emergency spill plan would be developed and incorporated into the CEMP. The plan would include measures to avoid spillages of fuels, chemicals, and fluids onto any surfaces or into the River. An emergency spill kit would be kept onsite at all times.
- All staff would be inducted of the incident emergency procedures and made aware of the location of where the emergency spill kit would be kept.
- Should a spill occur during construction, the incident emergency spill plan would be implemented, and the Regional Environmental Adviser, Sydney Region contacted.
- All fuels, chemicals, and liquids would be stored within the stockpile area.
- Onsite refuelling and maintenance of equipment would be avoided.
- If onsite refuelling must be undertaken it would be within impervious bunded areas within the compound site or as a minimum the fuelling contractor would be required to have portable bunding and a spill kit.
- Where equipment has broken down on site and cannot be moved and maintenance must be undertaken on site then temporary bunding, catch trays and spill kits would be used.
- Vehicle wash down would not be permitted on site.
- Washing of construction equipment including cement chutes would not be permitted on site.
- Washing of concrete equipment would be performed off site in a designated bunded area. Excess concrete would be scraped off equipment and collected prior to being washed. All concrete residue would be collected and disposed of to a licensed landfill
- A containment device would be used during construction to prevent cement, coating materials and other construction materials from entering the waterway (e.g. drop sheets).
- Wastewater generated from the construction process would be contained onsite, collected via a suction pump or wet industrial vacuum and/or treated in accordance with DEC specifications prior to its disposal. The release of dirty water into any waterways would be prohibited.

- Concrete use would be carried out in a controlled manner to minimise spillage and/or overspray.
- All works would be performed at low tide only.
- A Flood Contingency Plan (FCP) would be developed and would be reviewed by the Regional Environment Officer, Sydney Region before commencement of works. The FCP would include but not be restricted to: a flood evacuation plan for personnel, equipment and the compound site, that weather forecasts would be periodically checked for flood warnings or high rainfall events and that all equipment would be stored securely.
- If it is identified that a coffer dam would be required, the Regional Environmental Advisor, Sydney Region would be informed and would assess the additional scope of works in consultation with DPI Fisheries.

8.4 Biodiversity

Potential Impacts

The Proposal is not expected to impact any threatened flora or fauna species previously recorded or potentially occurring in the area. Eight threatened species listed on the TSC Act 1995 or the EPBC Act 1999 have been previously recorded as occurring within 5km of the Proposal site, however there have been no recorded findings of threatened species, populations or ecological communities within 1.5km of the Proposal site. It is not anticipated that any threatened flora species listed on the TSC Act 1995 or EPBC Act 1999 previously recorded or considered potentially occurring in the area would be impacted as a result of the Proposal.

Flora

The potential for the Proposal to cause harm to *Avicenna marina* (Grey Mangroves) would be determined subsequent to letting of the contract and when a detailed design is available. It is considered that, depending on the final scope of works, there is potential to cause damage by trampling of pneumatophores located on the River bank. Section 9.2 addresses the permit requirements for causing impacts to marine vegetation and safeguards are included below for implementation if it is determined the mangroves would be impacted.

The study area has been previously disturbed by filling of the landscape and from weed invasion. Whilst the Proposal does not involve clearing of vegetation, there is a potential to disturb a number of weeds listed as noxious in both the Auburn and Parramatta control areas. These include *Lantana camera* (category W2), *Cestrum parqui* (W2), *Ricinus communis* (W2), *Cardiospermum grandiflorum* (W4c in Parramatta control area only) and *Ipomea indica* (W4c in Parramatta control area only). Disturbance of these weeds has the potential to cause further spread and invasion along the River.

Fauna

A population of *Litoria aurea* (the Green and Golden Bell Frog) is known to exist on the Shell Refinery and CSR Emoleum Lands and within the Lower Duck River wetlands (DEC, 2005). This location is approximately 2km northeast of the Proposal site. Recordings of *Litoria aurea* are also recorded as occurring on the Duck Creek (as opposed to the Duck River) and located approximately 1.25km west southwest of the Proposal site. Potential impacts on the population located downstream from the Proposal site include impact on water quality due to sedimentation and possible use of herbicides to control weeds. This could impair tadpole survival and reduce the habitat quality of downstream areas. It is considered that these potential impacts are unlikely to occur due to the small scope of

works, the distance from the Proposal site and due to implementation of the safeguards listed in Section 8.2 and below.

A bird believed to be a Welcome Swallow (*Hirundo neoxena*) is observed nesting under the bridge. The nest is located under the bridge superstructure in the north eastern corner. This species is protected fauna under the *National Parks and Wildlife Act, 1974*. These birds and nest would be disturbed during the proposed works due to the presence of contractors and equipment under the Bridge and application of protective coating to the superstructure.

Aquatics

Snags located in the River potentially provide habitat for fish and other aquatic fauna. The Proposal would involve removal of snags and material from the Proposal site to allow access to the Bridge elements and installation of construction equipment including booms and silt fences. Removal of these snags from the River could reduce the habitat value of the area for fish and other aquatic species.

Booms and silt fences would be used to safeguard against release of sediment from the proposed works, however they may impede passage of fish within the River. This could reduce the health of affected fish by restricting, natural movements in relation to tidal flows, food source and other variables of the waterway and inducing stress.

The “*degradation of native riparian vegetation along New South Wales water courses*” is a Key threatening process under the Fisheries Management Act, 1994. The Proposal is not expected to cause degradation of native riparian vegetation present along the Ducks River.

Site Specific Safeguards

Flora

- If category W2 noxious weeds including *Lantana camera* (Lantana), *Cestrum parqui* (Green Cestrum), and *Ricinis communis* (Castor Oil Plant) or category W4c noxious weeds including *Cardiospermum grandiflorum* (Balloon Vine) and *Ipomea indica* (Morning Glory) are identified within the Proposal site they would be removed in a manner that prevents spreading and in accordance with the *Noxious Weeds Act, 1993*.
- Any weed vegetation removed from the works would be taken to a licensed landfill facility and would not be used as mulch or mulched with other vegetation.
- A permit to harm marine vegetation under Sections 204 and 205 of the Fisheries Management Act 1994 would be obtained before start of the proposed works if it is determined upon receipt of the detailed design that mangroves or other marine vegetation would be impacted.
- The area of vegetation to be cleared would be restricted to the south-eastern bank of the River within the Proposal site. This area would be clearly marked onsite, and on the site plans prior to the commencement of works. Should additional vegetation removal be required, the RTA's Regional Environmental Adviser, Sydney Region would be contacted and consulted to determine the need for further environmental impact assessment.
- Any trimming of mature native trees (performed on marine vegetation only after obtaining a permit to harm marine vegetation under Sections 204 and 205 of the Fisheries Management Act 1994) would be undertaken by a qualified arborist.
- Vehicles and machinery would be parked in areas with existing sealed surfaces.
- Construction compounds, stockpile sites and the storage of materials would be established within areas with existing sealed surfaces.

- Trees and land that would not be disturbed would clearly marked by a fence or bright tape.

Fauna

- Any fauna species (e.g. Welcome Swallow) found inhabiting areas to be disturbed would be removed by a person suitably licensed under the NPWS Act 1974 (e.g. a WIRES volunteer).
- Any control of weeds within the Proposal site that may be performed in conjunction with the local control authority upon consultation (refer to flora safeguards above) would not involve the use of glyphosate based herbicides such as *Round Up®* and *Round Up Biactive®* to which the Green and Golden Bell Frog is expected to have acute toxicity (Mann and Bidwell, 1999)

Aquatic

- Woody debris in the Proposal site would be relocated upstream and downstream of the proposed works. Debris comprised of anthropogenic rubbish would be removed from the waterway and disposed of at a licensed landfill. To minimise habitat disturbance, any snags and debris relocated within the River would not be moved again after completion of works.
- The Proposal would be undertaken in accordance with NSW Fisheries Fish Habitat Protection Plan No. 1 General.
- Any fish caught within the booms and silt fences must be immediately released downstream of the Proposal site, except carp which would be removed from the waterway where possible.

8.5 Noise

Noise levels in the Proposal site would potentially increase during construction as a result of equipment including air compressor, power tools (electric saws, drills, grinders, vibratory hammers), various hand tools, barges, scaffold, water pump, truck and utility and concrete trucks and pump. The nearest receptors are industrial premises and the Proposal site is located within an area of high traffic volumes, including heavy vehicles.

While noise associated with the Proposal would be expected, the location of the Proposal site underneath a Bridge would minimise impact. The proposed works would be performed under the Bridge. Noise created would be buffered by the concrete underside of the Bridge, by the east and west abutments which consist of stone retaining walls and by the earthen and vegetated River banks. Any noise escaping the Proposal site would be further buffered against the background of existing traffic noise.

Whilst it would be expected that construction activities would add to the immediate noise catchment, the catchment does not contain any noise sensitive receivers. Additionally, it would be expected that construction noise would largely be masked by the high existing ambient noise levels.

There would be no increase to the existing noise levels at the Proposal site after completion of the proposed works.

Site Specific Safeguards

- Should works be required outside standard working hours, the procedures contained in the RTA's *Environmental Noise Management Manual, 2001 "Practice Notes vii – Roadworks Outside of Normal Working Hours"* would be followed.
- Potentially affected businesses would be contacted prior to the commencement of works and would be informed of the proposed works, working hours, and the period of construction. Residents would also be provided with a contact name and number should any complaints wish to be registered.
- The idling of machinery and equipment when not in use and for prolonged periods of time would be prohibited.
- Noisy activities if required, would be carried out during the day, or early in the evening if required to be undertaken at night.
- All machines would be in good working condition, with particular attention to exhaust silencers, engine covers and other noise reduction devices.
- Vehicle movements including loading and unloading would be minimised and would occur before 10pm.
- Noise management strategies would be developed with consideration to the estimated construction noise criteria of 65dBA.
- Any noisy plant associated with construction equipment including generators, would be located within a shielded position where possible.

8.6 Air Quality

Potential Impacts

The Proposal has a minor potential to deteriorate the local air quality during maintenance works as a result of equipment and vehicle emissions and from dust from the minor vegetation removal and concrete restoration activities.

No change in operational air quality is expected, as the existing use of Parramatta Road would be maintained.

Exposure to concrete dust can be detrimental to health if precautions are not taken. Silica dust is a component of concrete dust and is a result of silica sand used to make concrete. Breathing of silica dust can cause scarring of the lungs and subsequent stiffening of the lung tissue which can lead to difficulty in breathing and lung disease including silicosis, bronchitis and lung cancer.

It is anticipated that these potential impacts upon air quality are limited due to the scope of the Proposal. The amount of concrete dust created is anticipated to be a small and would be controlled through the implementation of the safeguards outlined below.

Site Specific Safeguards

- Any stockpiles and general areas with the capacity to cause dust would be dampened to suppress dust emissions.
- Any materials transported in trucks would be appropriately covered to reduce dust generation.
- Construction activities that generate high dust levels including use of power tools to clean the damaged concrete pile area, would be avoided during high wind periods.
- Ventilation of the Proposal site would not be impeded to facilitate works.
- Safety devices would be provided to workers in accordance with AS/NZS 1716 Respiratory Protective Devices and AS/NZS 1715: Selection, Use and Maintenance of Respiratory Protective Devices during concrete removal activities.
- Keep exposure to dust as low as is practicable.
- Concrete dust would be collected, stored and transported in specially designed agitator bowls and then transferred to a final mould while in plastic state.
- To minimise exhaust emissions, vehicles and equipment used on-site would be switched off when not operating.

8.7 Visual Amenity / Landscape

Potential Impacts

There is likely to be a moderate, short-term decrease in visual amenity during the construction period. This would be due to the presence of construction equipment at the Proposal site.

The Proposal would increase the visual amenity of the Bridge over the long-term by rehabilitating the crumbling bridge piles which currently mar the appearance of the Bridge.

Attachment of a digital remote control and monitoring system would alter the appearance of the Bridge.

Site Specific Safeguards

- Disturbed areas would be revegetated and landscaped.
- The construction site would be kept tidy and rubbish free.
- Works would be completed as soon as possible and all equipment removed from the Proposal site.
- The digital remote control and monitoring system would be placed in a discrete location as is possible considering access requirements.

8.8 Socio-economic Considerations

Potential Impacts

The Proposal is designed to enhance the socio-economic amenity of road users and the local community over the long-term by rehabilitating the Bridge to ensure that normal, safe service can continue without the need for load limits or other restrictions. During the period of works however there is potential for short-term impacts on the socio-economic amenity of road users and the local community. These impacts are expected to be minimal due to the small scope of the proposed works.

The Proposal has the potential to cause short-term impacts to traffic flow when construction equipment is transported to and removed from the area under the Bridge via Parramatta Road. This impact is expected to be minimal, would be restricted to short time periods and would not cause closure of traffic flow in either direction.

If there is a requirement for night works, the use of lights would not impact on any residences due to none being located within the vicinity of the Proposal site.

Site Specific Safeguards

- Access or alternative access to residential and/or commercial properties would be maintained at all times.
- A Traffic Control Plan would be prepared in accordance with the RTA's *Traffic Control at Work Sites Manual 2003*, and approved by the RTA prior to implementation. The Traffic Control Plan would include the notification of any traffic alterations or closures.
- Public access, both vehicular and pedestrian would be retained over the bridge during the proposed works.

8.9 Waste Minimisation and Management

Potential Impacts

Waste that may be recycled at a recycling facility licensed for that waste may include:

- waste oils and liquids from construction equipment.

Waste that could be re-used for other purposes include:

- excess construction material.

Other wastes that would require disposal at a licensed waste facility may include:

- concrete waste;
- noxious weed material;
- contaminated or potential acid sulphate soil and
- general waste such as rubbish.

The amount of concrete waste generated would not exceed 2 tonnes and thus an Environmental Protection License under the *Protection of the Environment and Operations Act, 1997* (POEO Act) would not be required for storage or transport.

Site Specific Safeguards

- A Waste Management Plan would be prepared in accordance with RTA's QA Specifications and in accordance with RTA's *Waste Minimisation & Management Guidelines, 1998* and the principles of the WARR Act.
- Native vegetation removed would be chipped and used as mulch in revegetation works.
- All noxious weeds and exotic plant species removed would be bagged and disposed of at a licensed landfill facility.
- All construction materials and wastes generated from the Proposal would be stockpiled and stored at the compound site prior to reuse, recycling or disposal.
- All working areas would be maintained, kept free of rubbish and cleaned up at the end of each working day.
- Wastes would not be stored for long periods during construction of the Proposal. Empty drums of fuels, oils or chemicals and fluids would not be stored on site during construction.

In addition, the Resource Management Hierarchy principles of the WARR Act would be adopted as follows:

1. Avoid unnecessary resource consumption as a priority;
2. Avoidance is followed by resource recovery (including reuse of materials, reprocessing recycling, and energy recovery; and
3. Disposal is undertaken as a last resort.

8.10 Summary of Beneficial Effects

The Proposal has the following beneficial effects:

- Realisation of goals presented in the broad long-term safety framework for NSW, Road Safety 2010.
- Rehabilitation of a public asset.
- Improving the long-term serviceability of the Bridge into the future

8.11 Summary of Adverse Effects

The Proposal would result in some adverse effects that would include:

- Short-term increase in noise and decrease in visual amenity during the construction period.
- Potential short-term blockage of fish passage during the duration of works.
- Short-term impact to marine vegetation including trimming of mangroves and trampling of pneumatophores.

9 Implementation Stage

9.1 Summary of Proposed Environmental Safeguards

Environmental safeguards outlined in this document would be incorporated into the detailed design phase of the Proposal and during construction and operation of the Proposal. These safeguards would minimise any potential adverse impacts arising from the proposed works on the surrounding environment. All safeguards described in this REF and the Decision Report/ Conditions of Approval would be incorporated into the Contractor's Environmental Management Plan (CEMP) and the Project Environmental Management Plan (PEMP).

The CEMP and PEMP (if required) would be developed in accordance with the specifications set out in the RTA's *Environmental Protection (Management Plan) QA Specifications 35, Soil and Water Management (Erosion and Sediment Control Plan) QA Specification G39 and Clearing and Grubbing QA Specification G40*

Table 3: Site Specific Environmental Safeguards.

Impact	Environmental Safeguards
Landform, Geology & Soils	• An Erosion and Sedimentation Control Plan (ESCP) would be developed and incorporated into the CEMP. The ESCP would be prepared in accordance with Landcoms <i>Managing Urban Stormwater: Soils and Construction. 4th edition March 2004</i> (The Blue Book). The ESCP would be reviewed by the RTA's Regional Environmental Adviser, Sydney Region prior to the commencement of works. As part of the ESCP, the sediment controls would be inspected and maintained daily and an auditable record of inspection and maintenance records kept and made available on site for review by any RTA personnel or Department of Primary Industries Fisheries Officer. • Sediment controls (e.g. silt curtains and booms) would be utilised to ensure that turbid plumes of water do not leave the Proposal site. Sediment controls would be installed and operational before the start of works, would be utilised during construction and would not be decommissioned until any suspended sediments have settled. • The silt curtains would extend from the creek bed to the water surface level with no gaps. • The silt curtains would be large enough to contain the entire area of disturbance. • The aperture of the silt curtain fabric would be small enough to restrict sediment from exiting the confined work area. • Hardstand material or rumble grids would be implemented at entry and exit points of the Proposal site for vehicles to minimise the tracking of soil and particulates onto pavement surfaces. • To protect the toe of the River bank from erosion, geotextile material would be fixed at the toe of the River bank and would be secured with metal pins. The material would be placed atop existing vegetation. Vegetation in this area would not be removed unless it is unavoidable. All geotextile material and metal pins

Impact	Environmental Safeguards
	would be completely removed at completion of the works. Alternatively a stable removable raised platform would be placed at the toe of the River bank and above the vegetation and mangrove pneumatophores. The raised platform would be utilised by all personnel when carting equipment to the underside of the bridge or when accessing the underside of the Bridge. The platform would be removed at the end of each working day and would be stored in the site compound. • The access along the south-eastern River bank would be cleared and stabilised with gravel to reduce the likelihood of erosion. • Rehabilitation of disturbed areas of the Proposal site, including the river banks and where mangroves are harmed, would be undertaken progressively as stages are completed. Disturbed areas would be restored to their natural shape at the completion of works and riparian plant species indigenous to the area would be used. Any stabilising matting or logs used would be made from rapidly biodegradable material e.g. coir. • Removal of any riparian vegetation would be performed to least impact the River bank. Stumps would be left in-situ and would be levelled as close to ground level as possible. • Before any excavation or disturbance to soil, potentially impacted soils and sediments would be sampled and tested in accordance with The RTA Guidelines for the Management of Acid Sulfate Materials (2005) to determine whether ASS are present. This investigation will also include analysis of potential contaminants in soils or sediments to be impacted or spoil that may be generated. An environmental management strategy should be prepared that provides appropriate management controls for any ASS or contaminated material that is identified. The management strategy would be prepared in consultation with the Regional Environmental Advisor, Sydney Region. • No fill or excavated material would be stockpiled in flood prone areas or on slopes greater than 2H:1V. Stockpiles would be located 50m away from the high bank of any rivers or drainage lines and would be secure against the 1 in 10 year flood level.
Water Quality & Hydrology	• An incident emergency spill plan would be developed and incorporated into the CEMP. The plan would include measures to avoid spillages of fuels, chemicals, and fluids onto any surfaces or into the River. An emergency spill kit would be kept onsite at all times. • All staff would be inducted of the incident emergency procedures and made aware of the location of where the emergency spill kit would be kept. • Should a spill occur during construction, the incident emergency spill plan would be implemented, and the Regional Environmental Adviser, Sydney Region contacted. • All fuels, chemicals, and liquids would be stored within the stockpile area. • Onsite refuelling and maintenance of equipment would be

Impact	Environmental Safeguards
	avoided. • If onsite refuelling must be undertaken it would be within impervious bunded areas within the compound site or as a minimum the fuelling contractor would be required to have portable bunding and a spill kit. • Where equipment has broken down on site and cannot be moved and maintenance must be undertaken on site then temporary bunding, catch trays and spill kits would be used. • Vehicle wash down would not be permitted on site. • Washing of construction equipment including cement chutes would not be permitted on site. • Washing of concrete equipment would be performed off site in a designated bunded area. Excess concrete would be scraped off equipment and collected prior to being washed. All concrete residue would be collected and disposed of to a licensed landfill • A containment device would be used during construction to prevent cement, coating materials and other construction materials from entering the waterway (e.g. drop sheets). • Wastewater generated from the construction process would be contained onsite, collected via a suction pump or wet industrial vacuum and/or treated in accordance with DEC specifications prior to its disposal. The release of dirty water into any waterways would be prohibited. • Concrete use would be carried out in a controlled manner to minimise spillage and/or overspray. • All works would be performed at low tide only. • A Flood Contingency Plan (FCP) would be developed and would be reviewed by the Regional Environment Officer, Sydney Region before commencement of works. The FCP would include but not be restricted to: a flood evacuation plan for personnel, equipment and the compound site, that weather forecasts would be periodically checked for flood warnings or high rainfall events and that all equipment would be stored securely. • If it is identified that a coffer dam would be required, the Regional Environmental Advisor, Sydney Region would be informed and would assess the additional scope of works in consultation with DPI Fisheries.
Biodiversity	Flora • If category W2 noxious weeds including <i>Lantana camera</i> (Lantana), <i>Cestrum parqui</i> (Green Cestrum), and <i>Ricinis communis</i> (Castor Oil Plant) or category W4c noxious weeds including <i>Cardiospermum grandiflorum</i> (Balloon Vine) and <i>Ipomea indica</i> (Morning Glory) are identified within the Proposal site they would be removed in a manner that prevents spreading and in accordance with the <i>Noxious Weeds Act, 1993</i>. • Any weed vegetation removed from the works would be taken to a licensed landfill facility and would not be used as mulch or mulched with other vegetation.

Impact	Environmental Safeguards
	• A permit to harm marine vegetation under Sections 204 and 205 of the Fisheries Management Act 1994 would be obtained before start of the proposed works if it is determined that mangroves or other marine vegetation would be impacted. • The area of vegetation to be cleared would be restricted to the south-eastern bank of the River within the Proposal site. This area would be clearly marked onsite, and on the site plans prior to the commencement of works. Should additional vegetation removal be required, the RTA's Regional Environmental Adviser, Sydney Region would be contacted and consulted to determine the need for further environmental impact assessment. • Any trimming of mature native trees (performed on marine vegetation only after obtaining a permit to harm marine vegetation under Sections 204 and 205 of the Fisheries Management Act 1994) would be undertaken by a qualified arborist. • Vehicles and machinery would be parked in areas with existing sealed surfaces. • Construction compounds, stockpile sites and the storage of materials would be established within areas with existing sealed surfaces. • Trees and land that would not be disturbed would clearly marked by a fence or bright tape.
	Fauna • Any fauna species (e.g. Welcome Swallow) found inhabiting areas to be disturbed would be removed by a person suitably licensed under the NPWS Act 1974 (e.g. a WIRES volunteer). • Any control of weeds within the Proposal site that may be performed in conjunction with the local control authority upon consultation (refer to flora safeguards above) would not involve the use of glyphosate based herbicides such as <i>Round Up®</i> and <i>Round Up Biactive®</i> to which the Green and Golden Bell Frog is expected to have acute toxicity (Mann and Bidwell, 1999)
	Aquatic • Woody debris in the Proposal site would be relocated upstream and downstream of the proposed works. Debris comprised of anthropogenic rubbish would be removed from the waterway and disposed of at a licensed landfill. To minimise habitat disturbance, any snags and debris relocated within the River would not be moved again after completion of works. • The Proposal would be undertaken in accordance with NSW Fisheries Fish Habitat Protection Plan No. 1 General. • Any fish caught within the booms and silt fences must be immediately released downstream of the Proposal site, except carp which would be removed from the waterway where possible.

Impact	Environmental Safeguards
Noise	• Should works be required outside standard working hours, the procedures contained in the RTA's <i>Environmental Noise Management Manual, 2001</i> "Practice Notes vii – Roadworks Outside of Normal Working Hours" would be followed. • Potentially affected businesses would be contacted prior to the commencement of works and would be informed of the proposed works, working hours, and the period of construction. Residents would also be provided with a contact name and number should any complaints wish to be registered. • The idling of machinery and equipment when not in use and for prolonged periods of time would be prohibited. • Noisy activities if required, would be carried out during the day, or early in the evening if required to be undertaken at night. • All machines would be in good working condition, with particular attention to exhaust silencers, engine covers and other noise reduction devices. • Vehicle movements including loading and unloading would be minimised and would occur before 10pm. • Noise management strategies would be developed with consideration to the estimated construction noise criteria of 65dBA. • Any noisy plant associated with construction equipment including generators, would be located within a shielded position where possible.
Air Quality	• Any stockpiles and general areas with the capacity to cause dust would be dampened to suppress dust emissions. • Any materials transported in trucks would be appropriately covered to reduce dust generation. • Construction activities that generate high dust levels including use of power tools to clean the damaged concrete pile area, would be avoided during high wind periods. • Ventilation of the Proposal site would not be impeded to facilitate works. • Safety devices would be provided to workers in accordance with AS/NZS 1716 Respiratory Protective Devices and AS/NZS 1715: Selection, Use and Maintenance of Respiratory Protective Devices during concrete removal activities. • Keep exposure to dust as low as is practicable. • Concrete dust would be collected, stored and transported in specially designed agitator bowls and then transferred to a final mould while in plastic state. • To minimise exhaust emissions, vehicles and equipment used on-site would be switched off when not operating.
Visual Amenity / Landscape	• Disturbed areas would be revegetated and landscaped. • The construction site would be kept tidy and rubbish free.

Impact	Environmental Safeguards
Socio-Economic Considerations	• Works would be completed as soon as possible and all equipment removed from the Proposal site. • The digital remote control and monitoring system would be placed in a discrete location as is possible considering access requirements. • Access or alternative access to residential and/or commercial properties would be maintained at all times. • A Traffic Control Plan would be prepared in accordance with the RTA's <i>Traffic Control at Work Sites Manual 2003</i>, and approved by the RTA prior to implementation. The Traffic Control Plan would include the notification of any traffic alterations or closures. • Public access, both vehicular and pedestrian would be retained over the bridge during the proposed works.
Waste Management & Minimisation	• A Waste Management Plan would be prepared in accordance with RTA's QA Specifications and in accordance with RTA's <i>Waste Minimisation & Management Guidelines, 1998</i> and the principles of the WARR Act. • Native vegetation removed would be chipped and used as mulch in revegetation works. • All noxious weeds and exotic plant species removed would be bagged and disposed of at a licensed landfill facility. • All construction materials and wastes generated from the Proposal would be stockpiled and stored at the compound site prior to reuse, recycling or disposal. • All working areas would be maintained, kept free of rubbish and cleaned up at the end of each working day. • Wastes would not be stored for long periods during construction of the Proposal. Empty drums of fuels, oils or chemicals and fluids would not be stored on site during construction.

9.2 Licences and Approvals

Protection of the Environment Operations Act 1997

Should the Proposal involve the pollution of water such as to cause any chemical, biological or physical change to the existing water quality, an Environment Protection Licence would be sought from the DEC under the POEO Act 1997.

In addition the contractor and the RTA are obliged to notify the DEC when a "pollution incident" occurs that causes or threatens "material harm" to the environment.

NSW Fisheries Management Act, 1994

A permit would be acquired from DPI Fisheries if the final design of works would temporarily or permanently block fish passage under Section 219 of the *Fisheries Management Act 1994*. Blockages include silt fencing across waterways for sediment erosion control and bunding and dewatering works during the construction of crossings (NSW Fisheries, 2003).

A permit would be acquired from DPI Fisheries under Sections 204 and 205 of the *Fisheries Management Act 1994* if the final design of works would cause harm to marine vegetation (e.g. mangroves).

The *Fisheries Management Act 1994* through the Fish Habitat Protection Plan No. 1, requires public authorities, including local government and state authorities, to notify the Minister for Fisheries of any Proposal to remove or relocate woody debris.

Permits may also be required under Part 5 (Clauses 112-115) of the *Fisheries Management (General) Regulation 2002* for works which may involve the use of electrical devices or other dangerous substances within waters.

10 Consideration of State and Commonwealth Environmental Factors

10.1 Clause 228(2) Factors (NSW Legislation)

The factors which need to be taken into account when considering the environmental impact of an activity are listed in Clause 228(2) of the *Environmental Planning and Assessment Regulation, 2000*. Those factors have been addressed in Table 4 below to ensure that the likely impacts of the proposed activities on the natural and built environment are fully considered.

Table 4: Compliance with Clause 228(2) of the EP&A Regulation 2000.

Clause 228(2) Factors	Impact
a) Any environmental impact on a community? In the short term there would be minor environmental impacts on the community during construction, short-term visual impacts from the presence of construction equipment and a minor increase in noise levels for the area during the construction period. In the long term, there would be no environmental impacts on the community.	Short-term -ve Long-term Nil
b) Any transformation of a locality? There would be no transformation of the locality as all works are located on the underside of the bridge and would not substantially modify the appearance of the bridge. Clearance of vegetation would be largely restricted removal of weed growth along the bank south-east of the bridge. This area would be rehabilitated after the proposed works.	Short-term -ve
c) Any environmental impact on the ecosystem of the locality? The Proposal has the potential to have a minor short-term impact on the aquatic ecosystem at the site due to in-stream works and potential minor damage to mangroves. The Proposal would have no impact on any threatened or migratory flora or fauna species or their habitat. Clearing of vegetation would be limited to the removal of the noxious weed species <i>Ricinus communis</i> at the bank south-east of the Bridge. In this same location the weeds <i>Cardiospermum grandiflorum</i> and <i>Ipomea indica</i> would also be cleared. The surrounding environment is highly disturbed due to the previous filling of the landscape and urbanisation.	Short-term -ve Long-term Nil
d) Any reduction of the aesthetics, recreational, scientific or other environmental quality or value of a locality? During the construction works additional vehicles, equipment and personnel would be present at the Proposal site which would temporarily reduce the aesthetic amenity of the area.	Short-term -ve

Clause 228(2) Factors	Impact
No long-term reduction in aesthetic, recreational, scientific or other environmental quality or value of a locality is anticipated.	Long-term Nil
e) Any effect on a locality, place or building having aesthetic, anthropological, archaeological, architectural, cultural, historical, scientific or social significance or other special value for present or future generations? There would not be any impact on any locality, place or building having aesthetic, anthropological, archaeological, architectural, cultural, historical, scientific or social or other special value for present or future generations as a result of the Proposal.	Nil
f) Any impact on habitat of any protected fauna (within the meaning of the <i>National Parks and Wildlife Act 1974</i>)? The Proposal would cause a short-term impact on fish habitat due to use of a boom and silt curtains in the River bed. The Proposal would not cause long-term impact on the habitat of any protected fauna (within the meaning of the <i>National Parks and Wildlife Act 1974</i>). The Proposal would involve disturbance of a swallow observed nesting under the Bridge (assuming that the swallow is still in occupancy at the time of construction). Any removal and relocation of native fauna would be performed by a person suitably licensed under the NPWS Act, 1974 (e.g. WIRES volunteer).	Short-term -ve Long-term Nil Minor -ve
g) Any endangering of any species of animal, plant or other form of life, whether living on land, in water or in the air? The Proposal would not endanger any species of animal, plant or other form of life, whether living on land, in water or in the air.	Nil
h) Any long-term effects on the environment? The Proposal would not have any long-term effects on the environment.	Nil
i) Any degradation of the quality of the environment? The Proposal would not result in any degradation of the quality of the environment, provided that the safeguards detailed in Section 9 of this report are properly implemented.	Nil
j) Any risk to the safety of the environment? During construction there would be a short-term risk to the safety of the environment, due to the works being performed on the piles of the Bridge from within the River. This risk would be managed by safeguards detailed in Section 8.2 and 8.3. In the long-term, risk to the environment would be reduced as a result of the Proposal.	Short-term -ve Long-term +ve

Clause 228(2) Factors	Impact
k) Any reduction in the range of beneficial uses of the environment? The Proposal would not result in any reduction in the range of beneficial uses of the environment.	Nil
l) Any pollution of the environment? The Proposal has the potential to impact on ambient noise level due to use of machinery within and surrounding the study area during construction. There is also the potential to impact on water quality through sedimentation and spills during construction and potential disturbance to contaminated soils. The potential for these impacts to occur and cause pollution of the environment are minimal, and would be further reduced through implementation of the safeguards outlined in Section 8.2 and 8.3 of this REF are implemented.	Short-term -ve Long-term Nil
m) Any environmental problems associated with the disposal of waste? All waste generated by the Proposal would be reused and recycled where possible and disposed of in an appropriate manner where recycling is not possible. There is a potential that contaminated waste would be generated, however disposal of this waste would be performed in accordance with the safeguards outlined in Section 8.2 of this REF.	Nil
n) Any increased demands on resources, natural or otherwise which are, or are likely to become, in short supply? There would be no increased demand on resources, natural or otherwise, which are, or are likely to become in short supply as a result of the Proposal.	Nil
o) Any cumulative environmental effect with other existing or likely future activities? The Proposal is part of the State Maintenance Program that would increase the standard of roadway bridges in the state of NSW.	Long-term +ve

10.2 EPBC Act 1999 Factors (Commonwealth Legislation)

The EPBC Act requires that the following matters of National Environmental Significance (NES) be considered.

Table 5: Compliance with Commonwealth EPBC Act requirements.

EPBC Act Factors	Impact
a) Any environmental impact on World Heritage property? There are no World Heritage properties present within 10km of the Proposal site. There would be no environmental impact on any World Heritage property.	Nil
b) Any environmental impact on National Heritage places? There are no National Heritage places present within 10km of the Proposal site. There would be no environmental impact on any National Heritage places.	Nil
c) Any environmental impact on wetlands of international importance? The Towra Point Nature Reserve is listed as Ramsar wetlands of international significance. This wetland is located approximately 20km south east of the Proposal site and is within another catchment. The Proposal does not have the potential to cause adverse impact to any Ramsar listed wetlands.	Nil
d) Any environmental impact on Commonwealth listed threatened species or ecological communities? There are 20 threatened species and 3 threatened ecological communities listed as potentially occurring within 10km of the Proposal site. The Proposal would not reduce the habitat of any of the potentially occurring threatened species or ecological communities nor cause any detrimental impact.	Nil
e) Any environmental impact on Commonwealth listed migratory species? There are 9 Commonwealth listed migratory species listed as potentially occurring within 10km of the Proposal site. The proposed works would not impede the migratory path of any of the listed species and does not represent habitat required for the survival of any of the listed migratory species.	Nil
f) Does any part of the Proposal involve nuclear action? No part of the Proposal involves nuclear action.	Nil
g) Any environmental impact on a Commonwealth Marine area? There would be no impact on a Commonwealth Marine Area	Nil
In addition: Any impact on Commonwealth Land? Commonwealth land would not be affected, indirectly or directly, as part of this Proposal.	Nil

II Certification

This Review of Environmental Factors provides a true and fair review of the Proposal in relation to its potential effects on the environment. It addresses to the fullest extent possible all matters affecting or likely to affect the environment as a result of the Proposal.



Alison Nash

Environmental Officer

Date: 02/03/06

I have examined this Review of Environmental Factors and the certification by Alison Nash and accept the Review of Environmental Factors on behalf of the RTA.



Ramanan Gunasingham

Project Manager

Date: 03/03/2006

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Appendix A

Proposal Site Photos



Photo 1: Weed infestation on banks of the Duck River



Photo 2: Drain hole on northwest abutment



Photo 3: Underside of Bridge and drain on southwest abutment (in background)



Photo 4: Appearance of Bridge to road users

Appendix B

Database Search Results

Australian Heritage Database

Search Results

[edit search](#) | [new search](#) | [about the Australian Heritage Database](#) | [Heritage home](#) | [Australian Heritage Council home](#)

106 results found.

<u>Accommodation Block Spinal Range for Wards 2 and 3 Fleet St</u>	North Parramatta, NSW	(Registered) Register of the National Estate
<u>Administration Building Fleet St</u>	North Parramatta, NSW	(Registered) Register of the National Estate
<u>All Saints Anglican Church, Grounds & Trees Elizabeth St</u>	Parramatta, NSW	(Registered) Register of the National Estate
<u>All Saints Parochial School Elizabeth St</u>	Parramatta, NSW	(Registered) Register of the National Estate
<u>Auxiliary Buildings former Kings School Marsden St</u>	Parramatta, NSW	(Registered) Register of the National Estate
<u>Boat House Victoria Rd</u>	Rydalmere, NSW	(Registered) Register of the National Estate
<u>Boer War Memorial Parramatta Park</u>	Parramatta, NSW	(Registered) Register of the National Estate
<u>Boundary Stone Parramatta Park</u>	Parramatta, NSW	(Registered) Register of the National Estate
<u>Brislington George St</u>	Parramatta, NSW	(Registered) Register of the National Estate
<u>Burnside Homes Pennant Hills Rd</u>	North Parramatta, NSW	(Registered) Register of the National Estate
<u>Camellia Railway Underbridge Railway St</u>	Rydalmere, NSW	(Indicative Place) Register of the National Estate
<u>Carlingford Public School Building & Cottage Marsden Rd</u>	Carlingford, NSW	(Indicative Place) Register of the National Estate
<u>Catholic Cemetery Church St</u>	North Parramatta, NSW	(Registered) Register of the National Estate
<u>Centennial Clock Church St</u>	Parramatta, NSW	(Registered) Register of the National Estate
<u>Central Block former Kings School Marsden St</u>	Parramatta, NSW	(Registered) Register of the National Estate
<u>Chief Attendants Cottage (former) Victoria Rd</u>	Rydalmere, NSW	(Registered) Register of the

<u>Colonial Hospital Well</u> 154 Marsden St	Parramatta, NSW	National Estate (Rejected Place) Register of the National Estate
<u>Cottage</u> 12 O'Connell St	Parramatta, NSW	(Registered) Register of the National Estate
<u>Cottage</u> 14 O'Connell St	Parramatta, NSW	(Registered) Register of the National Estate
<u>Cumberland Hospital Landscape</u> Fleet St	Parramatta, NSW	(Indicative Place) Register of the National Estate
<u>Day Room for Wards 4 and 5 (former)</u> Fleet St	North Parramatta, NSW	(Registered) Register of the National Estate
<u>Dispensary (former)</u> Victoria Rd	Rydalmere, NSW	(Registered) Register of the National Estate
<u>Dundas Valley, Corridor through Time</u> Evans Rd	Dundas Valley, NSW	(Indicative Place) Register of the National Estate
<u>Elizabeth Farm House</u> 70 Alice St	Rosehill, NSW	(Registered) Register of the National Estate
<u>Endrim</u> Harold St	Parramatta, NSW	(Registered) Register of the National Estate
<u>Ermington Bay Wetlands</u> Spurway St	Ermington, NSW	(Registered) Register of the National Estate
<u>Evesham</u> 102 William St	Granville, NSW	(Indicative Place) Register of the National Estate
<u>Experiment Farm Cottage</u> 9 Ruse St	Harris Park, NSW	(Registered) Register of the National Estate
<u>Female Orphan School Precinct</u> Victoria Rd	Rydalmere, NSW	(Registered) Register of the National Estate
<u>Former Engine Sheds</u> James Ruse Dr	Northmead, NSW	(Indicative Place) Register of the National Estate
<u>Garage</u> Victoria Rd	Rydalmere, NSW	(Removed from Register or IL) Register of the National Estate
<u>Girls Training School Precinct</u> 1 Fleet St	Parramatta, NSW	(Registered) Register of the National Estate
<u>Governor Brisbanes Observatory Remnants</u> Parramatta Park	Parramatta, NSW	(Registered) Register of the National Estate
<u>Governors Bath House (former)</u> Parramatta Park	Parramatta, NSW	(Registered) Register of the National Estate
<u>Governors Dairy Cottage (former)</u> Parramatta Park	Parramatta, NSW	(Registered)

<u>Granville Town Hall</u> 10 Carlton St	Granville, NSW	Register of the National Estate (Indicative Place)
<u>Hambledon</u> 47 Hassall St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Headmasters Residence former Kings School</u> Marsden St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Hostel (former) now Administration Building</u> Victoria Rd	Rydalmere, NSW	Register of the National Estate (Registered)
<u>House</u> 123 William St	Granville, NSW	Register of the National Estate (Indicative Place)
<u>House</u> 29 Jamieson St	Granville, NSW	Register of the National Estate (Indicative Place)
<u>House</u> 60 The Avenue	Granville, NSW	Register of the National Estate (Indicative Place)
<u>House</u> 66 The Avenue	Granville, NSW	Register of the National Estate (Indicative Place)
<u>Hoyts Crest Theatre (former)</u> Blaxcell St	South Granville, NSW	Register of the National Estate (Indicative Place)
<u>Kia Ora (former)</u> 64 Macquarie St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Kings School (former)</u> Group Marsden St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Kitchen Block</u> Fleet St	North Parramatta, NSW	Register of the National Estate (Registered)
<u>Lake Parramatta Dam</u> Lackey St	North Parramatta, NSW	Register of the National Estate (Indicative Place)
<u>Lancer Barracks</u> Smith St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Lancer Barracks</u> Smith St	Parramatta, NSW	Register of the National Estate (Listed place)
<u>Lancer Barracks Precinct</u> Smith St	Parramatta, NSW	Commonwealth Heritage List (Registered)
<u>Lancer Barracks Precinct</u> Smith St	Parramatta, NSW	Register of the National Estate (Listed place)
<u>Lennox Bridge Church</u> St	Parramatta, NSW	Commonwealth Heritage List (Registered)
<u>Lennox House and Outbuilding</u> 39 Campbell St	Parramatta, NSW	Register of the National Estate (Registered)

<u>Lockerbie and Keswick</u> 32-34 Jamieson St	Granville, NSW	Register of the National Estate (Indicative Place)
<u>Lower Duck River Wetlands</u> Shirley St	Rosehill, NSW	Register of the National Estate (Registered)
<u>MacArthur House</u> 8 Melville St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Macquarie Street Gatehouse</u> Macquarie St	Parramatta, NSW	Register of the National Estate (Registered)
<u>McDonalds Farm House</u> 15-17 Honor St	Ermington, NSW	Register of the National Estate (Registered)
<u>Mt Dorothy Reservoir</u> Caloola Rd	Wentworthville, NSW	Register of the National Estate (Indicative Place)
<u>Naval Stores (former)</u> 2A Spurway St	Ermington, NSW	Register of the National Estate (Destroyed)
<u>Norfolk House and Contemporary Outbuilding</u> 467 Church St	North Parramatta, NSW	Register of the National Estate (Registered)
<u>Obelisk</u> Parramatta Park	Parramatta, NSW	Register of the National Estate (Registered)
<u>Old Government House</u> Parramatta Park	Parramatta, NSW	Register of the National Estate (Registered)
<u>Parramatta Convalescent Home</u> 43A Thomas St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Parramatta Gaol (former)</u> 73 O'Connell St	North Parramatta, NSW	Register of the National Estate (Registered)
<u>Parramatta Park</u> Macquarie St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Parramatta Park Gatehouse</u> O'Connell St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Parramatta Post Office (former)</u> 321 Church St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Parramatta Psychiatric Centre Precinct</u> Fleet St	North Parramatta, NSW	Register of the National Estate (Registered)
<u>Parramatta Weir</u> Marsden St	Parramatta, NSW	Register of the National Estate (Rejected Place)
<u>Parramatta and Lane Cove Rivers Landscapes</u>	Sydney, NSW	Register of the National Estate (Indicative Place)
<u>Perth House</u> 85 George St	Parramatta, NSW	Register of the National Estate (Registered)

<u>Pipehead to Potts Hill Water Supply</u> Woodville Rd	Guildford, NSW	Register of the National Estate (Indicative Place)
<u>Police Station</u> 10-12 Hutchinson St	Granville, NSW	Register of the National Estate (Indicative Place)
<u>Prince Alfred Park</u> Victoria Rd	Parramatta, NSW	Register of the National Estate (Indicative Place)
<u>Public School (former) and Convict Wall</u> 175 Macquarie St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Railway Bridge Pier and Abutment</u> Redbank Rd	Northmead, NSW	Register of the National Estate (Indicative Place)
<u>Redstone</u> 34 Adderton Rd	Telopea, NSW	Register of the National Estate (Registered)
<u>Remnant Garden from Old Benevolent Society</u> Alfred St	Parramatta, NSW	Register of the National Estate (Indicative Place)
<u>River Terraces</u> Fleet St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Roseneath Cottage</u> 34 O'Connell St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Roxy Cinema</u> 65 George St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Sandstone Buildings</u> Fleet St	North Parramatta, NSW	Register of the National Estate (Registered)
<u>Sandstone Walls and Ha Ha</u> Fleet St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Southern Gatehouse</u> Great Western Hwy	Parramatta, NSW	Register of the National Estate (Registered)
<u>St Andrews Uniting Church & Halls</u> Marsden St	Parramatta, NSW	Register of the National Estate (Indicative Place)
<u>St Johns Anglican Provisional Cathedral</u> Church St	Parramatta, NSW	Register of the National Estate (Registered)
<u>St Johns Cemetery and Boundary Wall</u> O'Connell St	Parramatta, NSW	Register of the National Estate (Registered)
<u>St Patricks Catholic Cathedral & Presbytery</u> Marist Pl	Parramatta, NSW	Register of the National Estate (Registered)
<u>St Pauls Anglican Church (former)</u> 346 Marsden Rd	Carlingford, NSW	Register of the National Estate (Registered)
<u>Town Hall</u> 182 Church St	Parramatta, NSW	Register of the National Estate (Registered)

<u>Travellers Rest Inn</u> 16 Hunter St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Travellers Rest Inn Group</u> 16 Hunter St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Two Cannons</u> Parramatta Park	Parramatta, NSW	Register of the National Estate (Registered)
<u>Ward 1 Fleet St</u>	North Parramatta, NSW	Register of the National Estate (Registered)
<u>Ward 2 Courtyard Shelter Shed</u> Fleet St	North Parramatta, NSW	Register of the National Estate (Registered)
<u>Ward 2 North Range</u> Fleet St	North Parramatta, NSW	Register of the National Estate (Registered)
<u>Ward 4 North Range</u> Fleet St	North Parramatta, NSW	Register of the National Estate (Registered)
<u>Ward 4 West Range</u> Fleet St	North Parramatta, NSW	Register of the National Estate (Registered)
<u>Ward 5 North Range</u> Fleet St	North Parramatta, NSW	Register of the National Estate (Registered)
<u>Ward 5 South Range (former)</u> Fleet St	North Parramatta, NSW	Register of the National Estate (Registered)
<u>Wavertree including Grounds and Trees</u> 10 New Zealand St	Parramatta, NSW	Register of the National Estate (Registered)
<u>Western Gatehouse</u> Park Av	Parramatta, NSW	Register of the National Estate (Registered)
<u>Willow Grove</u> 34 Phillip St	Parramatta, NSW	Register of the National Estate (Indicative Place)
<u>Wistaria Gardens</u> Gardens Way	Parramatta, NSW	Register of the National Estate (Indicative Place)

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Australian Heritage Database

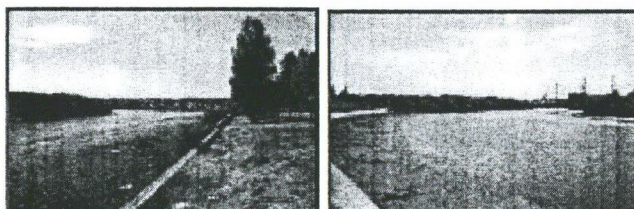
Place Details

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Lower Duck River Wetlands, Shirley St, Rosehill, NSW

Photographs:



List: Register of the National Estate

Class: Natural

Legal Status: Registered (28/05/1996)

Place ID: 19254

Place File No: 1/14/002/0011

Statement of Significance:

The Lower Duck River wetlands are one of eight significant remnant wetlands listed on the Register (Ermington Bay/Mud Flats, Meadowbank Park Foreshore, Yarralla Bay, Majors Bay, Mason Park, Homebush Bay and Haslems Creek). These were once part of an extensive wetland system bordering the Parramatta River. Mangroves of the Parramatta River area represent a significant proportion of the mangroves remaining in the Sydney Region. Lower Duck River supports the oldest known stand of mangroves remaining on the river. The uncommon species, small pig face (*LAMPRANTHUS TEGENS*), occurs at Lower Duck River. The remnant wetlands of the Upper Parramatta River provide habitat for a diverse bird community; seventy-five species have been recorded of which thirty-seven species occur regularly. It also provides breeding habitat for seventeen species. The remnant wetlands of the Upper Parramatta River have been ranked sixth in importance for waders in New South West and provide habitat for a large number of species listed in the Japan Australian Migratory Birds Agreement (JAMBA) twenty species and China Australia Migratory Birds Agreement (CAMBA) nineteen species. Two species which occur in the area, the little tern (*STERNA ALBIFRONS*) and the black tailed Godwit (*LIMOSA LIMOSA*) are listed under Schedule 12 (Endangered Fauna) of the NSW National Parks and Wildlife Act (1974).

Official Values: Not Available

Description:

Duck River, a major tributary of the Parramatta River, drains a large catchment of 45sqkm of flat land containing extensive residential, commercial and industrial areas to the south-west and south before joining the Parramatta River just west of Silverwater Road Bridge. The wetlands include several areas alternating on the west and east sides of Duck River upstream to its junction with Duck Creek. Mangroves occur along the length of this part of Duck River with the two most extensive stands near its mouth on the western side and upstream on its eastern side. Saltmarshes occur adjacent to the mangrove stands, including an extensive area of land adjacent to the River associated with an oil refinery. The saltmarsh vegetation in this area is characterised by a complex mosaic with species distribution determined by surface microtopography.

History: Not Available

Condition and Integrity:

Lower Duck River previously supported extensive wetland complexes of which only remnants remain due to land reclamation and loss of land through the construction of stormwater drains. The present mangrove vegetation is of varied condition with the vegetation in some areas having died or been cut down. In many areas, rubbish accumulated amongst the mangroves gives the area an unpleasant appearance. However, the existing mature mangrove stands are generally healthy and vigorous and are actively regenerating by seedling establishment.

Location:

About 15ha, between Rosehill and Silverwater, comprising the areas identified as wetlands or mangrove regeneration, in Sydney Regional Environmental Plan No 22, Map Sheet 6, which abut that River or Duck Creek.

Bibliography:

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Australian Heritage Database

Search Results

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23 results found.

Auburn Fire Station 47 Harrow Rd	Auburn, NSW	(Indicative Place) Register of the National Estate
Gatehouse, Lidcombe Hospital Joseph St	Lidcombe, NSW	(Indicative Place) Register of the National Estate
Haslams Creek Wetlands Bennelong Rd	Homebush Bay, NSW	(Registered) Register of the National Estate
Hill Road Wetlands Hill Rd	Homebush Bay, NSW	(Indicative Place) Register of the National Estate
Homebush Bay Wetlands Homebush Bay Dr	Homebush Bay, NSW	(Registered) Register of the National Estate
Lidcombe Hospital (former) Joseph St	Lidcombe, NSW	(Place not included in NHL) National Heritage List
Lidcombe Post Office 27 Joseph St	Lidcombe, NSW	(Indicative Place) Register of the National Estate
Lidcombe State Hospital (former) Group Joseph St	Lidcombe, NSW	(Registered) Register of the National Estate
Lower Duck River Wetlands Shirley St	Rosehill, NSW	(Registered) Register of the National Estate
Medical Superintendents House (former) Holker St	Silverwater, NSW	(Registered) Register of the National Estate
New South Wales Garden of Remembrance Memorial Dr	Rookwood, NSW	(Registered) Register of the National Estate
New South Wales Garden of Remembrance Memorial Dr	Rookwood, NSW	(Indicative Place) Commonwealth Heritage List
Newington Holker St	Silverwater, NSW	(Registered) Register of the National Estate
Newington Arms Depot Conservation Area	Homebush Bay, NSW	(Registered) Register of the National Estate
Newington Chapel Holker St	Silverwater, NSW	(Registered) Register of the National Estate
Parramatta and Lane Cove Rivers Landscapes	Sydney, NSW	(Indicative Place)

<u>Pipehead to Potts Hill Water Supply</u> Woodville Rd	Guildford, NSW	Register of the National Estate (Indicative Place)
<u>Residence</u> 69-71 John St	Lidcombe, NSW	Register of the National Estate (Destroyed)
<u>Rookwood Cemetery</u> Arthur St	Rookwood, NSW	Register of the National Estate (Registered)
<u>Silverwater Saltmarsh</u> Holker St	Homebush Bay, NSW	Register of the National Estate (Registered)
<u>Sydney War Cemetery</u> Memorial Dr	Rookwood, NSW	Register of the National Estate (Registered)
<u>Sydney War Cemetery</u> Memorial Dr	Rookwood, NSW	Register of the National Estate (Indicative Place)
<u>The Stormwater Drains of Rookwood Cemetery</u> East St	Rookwood, NSW	Commonwealth Heritage List (Indicative Place)
		Register of the National Estate

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Click on the BACK button of your browser to return to the search.

Statutory Listed Items

Information and items listed in the State Heritage Inventory come from a number of sources. This means that there may be several entries for the same heritage item in the database. For clarity, the search results have been divided into two sections.

- Section 1. contains items listed by the **Heritage Council** under the NSW Heritage Act. This includes listing on the State Heritage Register, an Interim Heritage Order or protected under section 130 of the NSW Heritage Act. This information is provided by the NSW Heritage Office.
- Section 2. contains items listed by **Local Councils & Shires and State Government Agencies**. This section may also contain additional information on some of the items listed in the first section.

Section 1. Items listed under the NSW Heritage Act.

The search results can be re-sorted by clicking on the **(sort)** option at the top of each column.

Item Name (sort)	Address (sort)	Suburb (sort)	LGA (sort)	Listed Under Heritage Act
Auburn Signal Box	Great Southern and Western Railway	Auburn	Auburn	Yes
Fossil Collection	Joseph Street	Lidcombe	Auburn	Yes
Hall of Champions (collection)	Australia Avenue, State Sports Centre	Homebush	Auburn	Yes
No. 1 Section buildings, relics and place	Rookwood Cemetery	Lidcombe	Auburn	Yes
Petrology Collection	Joseph Street	Lidcombe	Auburn	Yes
Rookwood Cemetery and Necropolis	East Street	Lidcombe	Auburn	Yes
Silverwater Prison Complex Conservation Area	Holker Street	Silverwater	Auburn	Yes

There were **7** records in this section matching your search criteria.

Section 2. Items listed by Local Government and State agencies.

Item Name (sort)	Address (sort)	Suburb (sort)	LGA (sort)	Information Source (sort)
Ablution Facilities, Former	Joseph Street	Lidcombe	Auburn	LGOV
Aged Care Assessment and Medical Museum	Joseph Street	Lidcombe	Auburn	LGOV
Air Raid Shelter	Joseph Street	Lidcombe	Auburn	LGOV

Arthur Stone Building (within Auburn Hospital)	Cnr Hargrave Road, Water Street and Norval Street	Auburn	Auburn	LGOV
Auburn Ambulance Station	54 Queen Street	Auburn	Auburn	LGOV
Auburn Baptist Church	14 Harrow Road	Auburn	Auburn	LGOV
Auburn Botanic Gardens	Chisolm Road	Auburn	Auburn	LGOV
Auburn Fire Station (Former)	47 Harrow Road	Auburn	Auburn	LGOV
Auburn North Public and Moreton Bay Fig tree	98 Adderley Street	Silverwater	Auburn	LGOV
Auburn Public School	Cnr Auburn Road and Beatrice Street	Auburn	Auburn	LGOV
Auburn Railway Station		Auburn	Auburn	LGOV
Auburn Road Bridge over water pipeline	Auburn Road	Regents Park	Auburn	LGOV
Auburn Signal Box	Rawson Street (opp Karrabah Road)	Auburn	Auburn	LGOV
Auburn Signal Box		Auburn	Auburn	SGOV
Auburn Uniting Church and Victory Hall	Cnr Helena and Harrow Street	Auburn	Auburn	LGOV
Auburn War Memorial (In RSL Carpark)	Northumberland Road	Auburn	Auburn	LGOV
Auburn West Footbridge	West Of Station On Sydney Side Of Overbridge	Auburn	Auburn	SGOV
Berala Public School	Cnr Clarke Street , Harrow Road and Auburn Road	Berala	Auburn	LGOV
Boiler House with Chimney Stack	Joseph street	Lidcombe	Auburn	LGOV
Brush Box Street Trees	Lidbury Street	Berala	Auburn	LGOV
Canalisation of Haslems Creek (South of Parramatta Road)	Parramatta Road	Lidcombe	Auburn	LGOV
Chaplain Residence	Joseph Street	Lidcombe	Auburn	LGOV
Clive E Evatt Commemorative Plaque	Cnr Yarram and Boorea Street	Lidcombe	Auburn	LGOV
Clock Tower	Joseph Street	Lidcombe	Auburn	LGOV
Clyde Marshalling Yards (use archaeological)	Parramatta Road	Auburn	Auburn	LGOV
CMLA Workshop	Joseph Street	Lidcombe	Auburn	LGOV
Commercial Building	20 Amy Street	Regents Park	Auburn	LGOV
Dermatology Units	Joseph Street	Lidcombe	Auburn	LGOV
Diabetes Centre	Joseph Street	Lidcombe	Auburn	LGOV
Dormitory Block / Convalescent Wards	Joseph Street	Lidcombe	Auburn	LGOV
Dwelling	258 Cumberland Road	Auburn	Auburn	LGOV

Dwelling	24 James Street	Auburn	Auburn	LGOV
Dwelling	53 Kerrs Parade	Lidcombe	Auburn	LGOV
Dwelling	8 Mary Street	Auburn	Auburn	LGOV
Dwelling	31 North Parade	Auburn	Auburn	LGOV
Dwelling	245 Auburn Road	Auburn	Auburn	LGOV
Dwelling	3 Kihilla Street	Auburn	Auburn	LGOV
Dwelling	16 Queen Street	Auburn	Auburn	LGOV
Dwelling	24 Silverwater Road	Silverwater	Auburn	LGOV
Earnest Fleming Pty Ltd Machinery Merchants	79 Derby Street	Silverwater	Auburn	LGOV
Electricity Substation (No. 167)	93 Parramatta Road	Auburn	Auburn	LGOV
Fenton House	49 Joseph Street	Lidcombe	Auburn	LGOV
Gatehouse	Joseph Street	Lidcombe	Auburn	LGOV
Grey Box Reserve	Cnr Johns Road and Park Road	Auburn	Auburn	LGOV
Herdsmen's Cottage	Joseph Street	Lidcombe	Auburn	LGOV
Homebush Bay Scuttling Yard	Bennelong Road		Auburn	SGOV
Horse Trough	Cnr Water Street and Auburn Road	Auburn	Auburn	LGOV
Hotel Lidcombe	Church Street (cnr John Street)	Lidcombe	Auburn	LGOV
Inter war dwelling	21 Yillowra Street	Auburn	Auburn	LGOV
Jack Lang Plaque	4 Auburn Road	Auburn	Auburn	LGOV
Keighery Hotel	51 Rawson Street	Auburn	Auburn	LGOV
Lea's Temperance Hall (Former)	24 Mary Street	Auburn	Auburn	LGOV
Lidcombe Fire Station	37 Church Street	Lidcombe	Auburn	LGOV
Lidcombe Fire Station	37 Church Street	Lidcombe	Auburn	SGOV
Lidcombe Hospital Group	Joseph Street	Lidcombe	Auburn	LGOV
Lidcombe Police Station	11 John Street	Lidcombe	Auburn	LGOV
Lidcombe Post fice	27 Joseph Street	Lidcombe	Auburn	LGOV
Lidcombe Public School and Infants Department	Cnr John Street, Doodson Avenue and Mill Street	Lidcombe	Auburn	LGOV
Lidcombe Signal Box	Railway Street	Lidcombe	Auburn	LGOV
Lidcombe Station Group		Lidcombe	Auburn	SGOV
Lidcombe War Memorial Statue	Cnr James and Joseph Streets	Lidcombe	Auburn	LGOV
Log Ponds and Wharves to Timber Yards	Bennelong Point	Homebush Bay	Auburn	GAZ

Lower Duck River Wetlands	Silverwater	Silverwater	Auburn	LGOV
Medical ward Ophthalmology	Joseph Street	Lidcombe	Auburn	LGOV
Minali Special School	49 Joseph Street	Lidcombe	Auburn	LGOV
Newington Armament Depot Heritage Conservation Area		Homebush Bay	Auburn	GAZ
Nurses Home	Joseph Street	Lidcombe	Auburn	LGOV
Occupational Therapy	Joseph Street	Lidcombe	Auburn	LGOV
Old Training School	Joseph Street	Lidcombe	Auburn	LGOV
Orchid Society Building	Joseph Street	Lidcombe	Auburn	LGOV
Orchid Society Rooms	Joseph Street	Lidcombe	Auburn	LGOV
Parramatta Milestone	Parramatta Road	Auburn	Auburn	LGOV
Parramatta Road Bridge (over Haslems Creek)	Parramatta Road	Lidcombe	Auburn	LGOV
Parramatta Road Milestones	Parramatta Road	Auburn	Auburn	LGOV
Pedestrian Overhead Footbridge	Parramatta Road at Macquarie Road	Auburn	Auburn	LGOV
Physiotherapy Out Patients	Joseph Street	Lidcombe	Auburn	LGOV
Railway Hotel	4 Joseph Street	Lidcombe	Auburn	LGOV
Railway Signal	Dawes Avenue	Regents Park	Auburn	LGOV
Recreation Hall	Joseph Street	Lidcombe	Auburn	LGOV
Regents Park Railway Station	Park Road	Regents Park	Auburn	LGOV
Rehabilitation Workshop	Joseph Street	Lidcombe	Auburn	LGOV
Residence with garage		Homebush Bay	Auburn	GAZ
Rookwood Cemetery	East Street	Rookwood	Auburn	LGOV
Royal Oak Hotel	46 - 50 Railway Street	Lidcombe	Auburn	LGOV
RSL Statue and RSL Carpark	26 - 36 Northumberland Road	Auburn	Auburn	LGOV
Ryde Railway Bridge		Rhodes	Auburn	GAZ
Salaries and Finance Section	Joseph Street	Lidcombe	Auburn	LGOV
Sawing Room	Joseph Street	Lidcombe	Auburn	LGOV
Sewage Pumping Station No 42 (SP0042)	Bennelong Road	Homebush Bay	Auburn	SGOV
Speech Pathology Unit	Joseph Street	Lidcombe	Auburn	LGOV
St Joachin's Catholic Church, Parish Hall and School	7 Mary Street and John Street	Lidcombe	Auburn	LGOV
St Peter Chanel School Hall, Church and Rectory	64 Regent Street	Regents Park	Auburn	LGOV
St Phillip's Anglican Family	48 Hall Street	Auburn	Auburn	LGOV

Church

St. Joseph's Hospital	Cnr Alice Street and Normanby Road	Auburn	Auburn	LGOV
Stand of Eucalyptus longifolia	Cnr Parramatta Road and Hill Road	Auburn	Auburn	LGOV
Stand of Eucalyptus Microcorys	Olympic Drive	Lidcombe	Auburn	LGOV
State Abattoirs Site No. 1		Flemington	Auburn	GAZ
The Gables	59 East Steet	Lidcombe	Auburn	LGOV
Verminous Patients Bathroom, Toilet Block, Former	Joseph street	Lidcombe	Auburn	LGOV
Victorian Dwelling	25 Harrow Road	Auburn	Auburn	LGOV
Water Supply Pipeline		Lidcombe	Auburn	LGOV
Work Assembly Unit / Occupational Therapy	Joseph Street	Lidcombe	Auburn	LGOV
Wyatt Park / Haslems Creek / Lidcombe Pool	Church Street	Lidcombe	Auburn	LGOV

There were **103** records in this section matching your search criteria.

There was a total of **110** records matching your search criteria.

Key:

LGA = Local Government Area

GAZ = NSW Government Gazette (statutory listings prior to 1997), HGA = Heritage Grant Application, HS = Heritage Study, LGOV = Local Government, SGOV = State Government Agency.

Note: The Heritage Office seeks to keep the State Heritage Inventory (SHI) up to date, however the latest listings in Local and Regional Environmental Plans (LEPs and REPs) may not yet be included. Always check with the relevant Local Council or Shire for the most recent listings.



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Parramatta Milestone

Note: There are incomplete details for a number of items listed on the State Heritage Register. The Heritage Office intends to develop or upgrade statements of significance for these items as resources become available.

Item

Name of Item: Parramatta Milestone
Type of Item: Built
Group/Collection: Transport - Land
Category: Road Milepost/Milestone
Primary Address: Parramatta Road, Auburn, NSW 2144
Local Govt. Area: Auburn

Property Description:

Lot/Volume Code	Lot/Volume Number	Section Number	Plan/Folio Code	Plan/Folio Number

All Addresses

Street Address	Suburb/Town	LGA	Parish	County	Type
Parramatta Road	Auburn	Auburn			Primary

Assessment Criteria

Items are assessed against the **State Heritage Register (SHR) Criteria** to determine the level of significance. Refer to the Listings below for the level of statutory protection.

Listings

Heritage Listing	Listing Title	Listing Number	Gazette Date	Gazette Number	Gazette Page
Local Environmental Plan			27 Oct 00	141	11414

References, Internet links & Images

None

Note: Internet links may be to web pages, documents or images.

Source of information for this entry

Name: Local Government

Email: Contact Local Council
Web Page: www.dlg.nsw.gov.au/

Administration

Database Number: 1030049

Every effort has been made to ensure that information contained in the State Heritage Inventory is correct. If you find any errors or omissions please send your comments to the **Database Manager**.

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NSW Government

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Statutory Listed Items

Information and items listed in the State Heritage Inventory come from a number of sources. This means that there may be several entries for the same heritage item in the database. For clarity, the search results have been divided into two sections.

- Section 1. contains items listed by the **Heritage Council** under the NSW Heritage Act. This includes listing on the State Heritage Register, an Interim Heritage Order or protected under section 130 of the NSW Heritage Act. This information is provided by the NSW Heritage Office.
- Section 2. contains items listed by **Local Councils & Shires and State Government Agencies**. This section may also contain additional information on some of the items listed in the first section.

Section 1. Items listed under the NSW Heritage Act.

The search results can be re-sorted by clicking on the **(sort)** option at the top of each column.

Item Name (sort)	Address (sort)	Suburb (sort)	LGA (sort)	Listed Under Heritage Act
Avondale	25 O'Connell Street	Parramatta	Parramatta	Yes
Broughton House	43a Thomas Street	Parramatta	Parramatta	Yes
Camden	60 Prospect Street	Rose Hill	Parramatta	Yes
Comfort Lodge	62 Prospect Street	Harris Park	Parramatta	Yes
Crest Theatre	157 Blaxcell Street	South Granville	Parramatta	Yes
Cumberland District Hospital Group	Fleet Street	Parramatta	Parramatta	Yes
Cumberland Hospital - Accommodation Block Ward 2 & 3	Fleet Street	Parramatta	Parramatta	Yes
Cumberland Hospital - Administration Building	Fleet Street	Parramatta	Parramatta	Yes
Cumberland Hospital - Cricket Shelter	Fleet Street	Parramatta	Parramatta	Yes

Cumberland

Hospital - Former Day Rooms for Wards 4 & 5	Fleet Street	Parramatta	Parramatta	Yes
Cumberland Hospital - Former Ward 5 South Range	Fleet Street	Parramatta	Parramatta	Yes
Cumberland Hospital - Kitchen Block	Fleet Street	Parramatta	Parramatta	Yes
Cumberland Hospital - Sandstone walling & Ha has	Fleet Street	Parramatta	Parramatta	Yes
Cumberland Hospital - Ward 1	Fleet Street	Parramatta	Parramatta	Yes
Cumberland Hospital - Ward 1 Day room	Fleet Street	Parramatta	Parramatta	Yes
Cumberland Hospital - Ward 4 North Range	Fleet Street	Parramatta	Parramatta	Yes
Cumberland Hospital - Ward 4 North Range	Fleet Street	Parramatta	Parramatta	Yes
Cumberland Hospital - Ward 4 West Range	Fleet Street	Parramatta	Parramatta	Yes
Cumberland Hospital - Wistaria House	Fleet Street	Parramatta	Parramatta	Yes
Cumberland Hospital - Wistaria House Gardens	Fleet Street	Parramatta	Parramatta	Yes
Cumberland Hospital - Wistaria House Siteworks	Fleet Street	Parramatta	Parramatta	Yes
Dundas Railway Station group	Clyde-Carlingford railway	Dundas	Parramatta	Yes
Elizabeth Farm	70 Alice Street	Rosehill	Parramatta	Yes
Endrim	54 Sorrell Street	Parramatta	Parramatta	Yes
European Rock carvings	226 (rear) Windsor Road	Northmead	Parramatta	Yes
Experiment Farm Cottage	9 Ruse Street	Harris Park	Parramatta	Yes
Granville Town Hall	10 Carlton Street	Granville	Parramatta	Yes
Harrisford	182 George Street	Parramatta	Parramatta	Yes
HMAS Parramatta	Historic Shipwreck: Cascade Gulley			

shipwreck and memorials	Hawkesbury River	Near Bar Point	Gosford	Yes
Kings School Group (former)	3 Marist Place	Parramatta	Parramatta	Yes
Lennox Bridge	349-351 (adj) Church Street	Parramatta	Parramatta	Yes
Lennox House	39 Campbell Street	Parramatta	Parramatta	Yes
Macarthur House	8 Melville Street	Parramatta	Parramatta	Yes
Marsden Rehabilitation Centre - Archaeological sites	Marsden Street	Parramatta	Parramatta	Yes
Marsden Rehabilitation Centre - Central Block	24-26 O'Connell Street	Parramatta	Parramatta	Yes
Marsden Rehabilitation Centre - Dining Hall	Marsden Street	Parramatta	Parramatta	Yes
Marsden Rehabilitation Centre - Kitchen & Servant's Quarters	Marsden Street	Parramatta	Parramatta	Yes
Marsden Rehabilitation Centre - Landscape	Marsden Street	Parramatta	Parramatta	Yes
Marsden Rehabilitation Centre - Two Dormitory Blocks	Marsden Street	Parramatta	Parramatta	Yes
Marsden Rehabilitation Centre Group	Marsden Street	Parramatta	Parramatta	Yes
Mount Dorothy Reservoir	Caloola Road	Wentworthville	Parramatta	Yes
Murphys House	1 Marist Place	Parramatta	Parramatta	Yes
Norma Parker Correctional Centre	1 Fleet Street	Parramatta	Parramatta	Yes
Oddfellows Arms Inn	541 Church Street	Parramatta	Parramatta	Yes
Old Government House	Parramatta Park	Parramatta	Parramatta	Yes
Parramatta Correctional Centre	73 O'Connell Street	Parramatta	Parramatta	Yes
Parramatta District Hospital - Archaeological Site potential	Marsden Street	Parramatta	Parramatta	Yes

Parramatta District Hospital - Brislington and Landscape	10 George Street	Parramatta	Parramatta	Yes
Parramatta District Hospital - Historic Elements	Marsden Street	Parramatta	Parramatta	Yes
Parramatta District Hospital - Historic street patterns	Marsden Street	Parramatta	Parramatta	Yes
Parramatta Park and Old Government House	O'Connell Street	Parramatta	Parramatta	Yes
Parramatta Railway Station	Great Western Railway	Parramatta	Parramatta	Yes
Parramatta Railway Station group	Great Western Railway	Parramatta	Parramatta	Yes
Perth House & Stables	85 George Street	Parramatta	Parramatta	Yes
Public Reserve associated with Elizabeth Farm	Arthur Street	Rosehill	Parramatta	Yes
Redcoats Mess House	Horwood Place	Parramatta	Parramatta	Yes
Roseneath Cottage	40-42 O'Connell Street	Parramatta	Parramatta	Yes
Roxy Theatre	65-69 George Street	Parramatta	Parramatta	Yes
Rydalmere Hospital Precinct	171 Victoria Road	Rydalmere	Parramatta	Yes
Sewage Pumping Station 67	Grand Avenue North	Camellia	Parramatta	Yes
Shop and office	88-92 George Street	Parramatta	Parramatta	Yes
St John's Anglican Cemetery	1 O'Connell Street	Parramatta	Parramatta	Yes
St Paul's Anglican Church (former)	346 Marsden Road	Carlingford	Parramatta	Yes
Travellers Rest Inn Group	12,14,16 O'Connell Street	Parramatta	Parramatta	Yes
Warders Cottages	Barrack Lane (off)	Parramatta	Parramatta	Yes

There were 65 records in this section matching your search criteria.

Section 2. Items listed by Local Government and State agencies.

Item Name	Address (sort)	Suburb	LGA	Information Source
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(sort)		(sort)	(sort)	(sort)
Acrow Building	11 Ferndell Street	Granville	Parramatta	LGOV
Alandale	8 Rickard Street	Carlingford	Parramatta	LGOV
Alfred Square and potential archaeological site	353c Church Street	Parramatta	Parramatta	LGOV
All Saints Anglican Church	21 Elizabeth Street	Parramatta	Parramatta	LGOV
All Saints Cemetery	56 Fennell Street	Parramatta	Parramatta	LGOV
All Saints Hall	21 Elizabeth Street	Parramatta	Parramatta	LGOV
All Saints Parochial School	21 Elizabeth Street	Parramatta	Parramatta	LGOV
Anthony Malouf & Company	366, 368 Church Street	Parramatta	Parramatta	LGOV
ANZ Bank and potential archaeological site	306 Church Street	Parramatta	Parramatta	LGOV
Apartment Block/Flats	78 Macquarie Street	Parramatta	Parramatta	LGOV
Archaeological Site Potential	GEORGE STREET	PARRAMATTA	Parramatta	SGOV
Archaeological Sites	O'CONNELL STREET	PARRAMATTA	Parramatta	SGOV
Armoury, Museum & Music Rooms	O'CONNELL STREET	PARRAMATTA	Parramatta	SGOV
Arrunga Reserve - Toongabbie Creek Vegetation	4 Harris Road	Wentworthville	Parramatta	LGOV
Arthur Phillip High School and potential archaeological site	175 Macquarie Street	Parramatta	Parramatta	LGOV
Assistant Supervisor's Cottage	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Attached House/Office	17 Marion Street	Harris Park	Parramatta	LGOV
Attached House/Office	23 Marion Street	Harris Park	Parramatta	LGOV
Attached houses	49, 51 High Street	South Parramatta	Parramatta	LGOV
Attached houses	32, 34 Station Street East	Harris Park	Parramatta	LGOV
Attached houses	42, 44 Station Street East	Harris Park	Parramatta	LGOV
Attached houses	19, 21 Wentworth Street	Parramatta	Parramatta	LGOV

Attached houses	113,115 Wigram Street	Harris Park	Parramatta	LGOV
Attached houses	24, 26 Station Street East	Harris Park	Parramatta	LGOV
Avondale	25 O'Connell Street	Parramatta	Parramatta	LGOV
Bakehouse, Former	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Bakery (former)	332 Railway Terrace	Guildford	Parramatta	LGOV
Bakery (former) and potential archaeological site	476 Church Street	Parramatta	Parramatta	LGOV
Barn, The	138 Parramatta Road	Granville	Parramatta	LGOV
Barnaby's Restaurant and potential archaeological site	66,68 Phillip Street	Parramatta	Parramatta	LGOV
Bicentennial Square and adjoining buildings	184 Church Street	Parramatta	Parramatta	LGOV
Bicycle Shop	458 Church Street	North Parramatta	Parramatta	LGOV
Blaxcell Estate Conservation Area	Refer to map	South Granville	Parramatta	LGOV
Bolton Street Group	45, 47, 49 Bolton Street	Guildford	Parramatta	LGOV
Bookshop	346 Marsden Road	Carlingford	Parramatta	LGOV
Boundary Stone	Alfred Street	Harris Park	Parramatta	LGOV
Boundary Stone	126 (opp) Alfred Street	Harris Park	Parramatta	LGOV
Boundary Stone	James Ruse Drive (under bridge)	East Parramatta	Parramatta	LGOV
Brick cottage	12 Byrnes Street	North Parramatta	Parramatta	LGOV
Brick Cottage	12 Short Street	Parramatta	Parramatta	LGOV
Brick cottage	47 Belmore Street	North Parramatta	Parramatta	LGOV
Brick cottage	8 Bijiji Street	Pendle Hill	Parramatta	LGOV
Brick cottage	34 Seville Street	North Parramatta	Parramatta	LGOV
Brick Cottages	65, 67 O'Connell Street	North Parramatta	Parramatta	LGOV
Brick House	262 Marsden Road	Carlingford	Parramatta	LGOV
Brick house	139 Good Street	Harris Park	Parramatta	LGOV
Bridge Farm	23 Barnetts Road	Winston Hills	Parramatta	LGOV
Brislington and				

landscape	GEORGE STREET	PARRAMATTA	Parramatta	SGOV
Brislington property, Moreton Bay fig tree and potential arch. Site	10 George Street	Parramatta	Parramatta	LGOV
Broughton House	43a Thomas Street	Parramatta	Parramatta	LGOV
Buckley House	41 Buckleys Road	Winston Hills	Parramatta	LGOV
Building (excluding townhouses behind)	25 Isabella Street	Parramatta	Parramatta	LGOV
Building 1A - Ward 1	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Building 1B - Dining Room to Ward 1	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Building 23 - The Stores Wing	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Building 24 - Administration	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Building 2A - Ward 2	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Building 2B - Stores or Hospital Wing	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Building 2C - Shelter Pavilion	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Building 3A - Wards 2 & 3	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Building 3B	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Building 4A - Ward 4	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Building 4B - Ward 4 Extension	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Building 5A - Ward 5	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Building 5B - Sleeping Quarters for Female Prisoners	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Buildings	52-58 George Street	Parramatta	Parramatta	GAZ
Buildings 39 & 39A - Kitchen Range	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Bulimba	169 George Street	Harris Park	Parramatta	LGOV
Bulla Cream Dairy	64 Hughes Avenue	Ermington	Parramatta	LGOV

Bungalow	28 Short Street	Parramatta	Parramatta	LGOV
Bungalow	32 Short Street	Parramatta	Parramatta	LGOV
Burnett's Loan Office	1 Good Street	Granville	Parramatta	LGOV
Bus shelter	156 (adj) Marsden Road	Carlingford	Parramatta	LGOV
Bushland	141 Evans Road	Carlingford	Parramatta	LGOV
Byrock	47 Barnetts Road	Winston Hills	Parramatta	LGOV
Californian Bungalow	26 Short Street	Parramatta	Parramatta	LGOV
Californian Bungalow	9 Bago Street	Pendle Hill	Parramatta	LGOV
Canberra and Roach Manor	65, 67 Victoria Road	East Parramatta	Parramatta	LGOV
Capral Aluminium	Unwin Street	Rosehill	Parramatta	LGOV
Carinya	62 Sorrell Street	North Parramatta	Parramatta	LGOV
Carlingford Memorial Park	362-364 Marsden Road	Carlingford	Parramatta	LGOV
Carlingford Public School	263 Marsden Road	Carlingford	Parramatta	LGOV
Carlossa	3 Trott Street	Parramatta	Parramatta	LGOV
Carrington Street Group (part of)	9 Carrington Street	Parramatta	Parramatta	LGOV
Carrington Street Group (part of)	15 Carrington Street	Parramatta	Parramatta	LGOV
Carrington Street Group (part of)	11 Carrington Street	Parramatta	Parramatta	LGOV
Carrington Street Group (part of)	13 Carrington Street	Parramatta	Parramatta	LGOV
Castrella	127 Wentworth Avenue	Wentworthville	Parramatta	LGOV
Catherine	55 Rosebery Road	Guildford	Parramatta	LGOV
Catholic Presbytery	33-35 Wigram Street	Harris Park	Parramatta	LGOV
Centennial Memorial Clock	196 (opposite) Church Street	Parramatta	Parramatta	LGOV
Central Block	O'CONNELL STREET	PARRAMATTA	Parramatta	SGOV
Chadwick Guest House	6 Boundary Street	South Parramatta	Parramatta	LGOV
Charles Street Group	3, 5, 9 Charles Street	Granville	Parramatta	LGOV
Chateau Blanc	57 - 61 South Street	Granville	Parramatta	LGOV
Chief Attendant's Cottage	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV

Chivendon and potential archaeological site	70 Ross Street	East Parramatta	Parramatta	LGOV
Church Cottage	216 Pennant Hills Road	Carlingford	Parramatta	LGOV
Church of Christ	31 Bridge Street	Epping	Parramatta	LGOV
Civic Arcade and potential archaeological site	48 George Street	Parramatta	Parramatta	LGOV
Classroom (Western Wing)	O'CONNELL STREET	PARRAMATTA	Parramatta	SGOV
Classrooms (North, behind Headmaster's Residence)	O'CONNELL STREET	PARRAMATTA	Parramatta	SGOV
Cloverdale	29 Salisbury Road	Guildford	Parramatta	LGOV
Clyburn Footbridge	Between Auburn And Clyde	Clyburn	Parramatta	SGOV
Clyde Carlingford Rail Bridge	1b adj Grand Avenue	Rosehill	Parramatta	LGOV
Clyde Footbridge	At Station	Clyde	Parramatta	SGOV
Clyde Railway Station Group		Clyde	Parramatta	SGOV
Colquhoun Park, including Palm trees and monument	196 Blaxcell Street	Granville	Parramatta	LGOV
Commercial building	448, 450 Church Street	Parramatta	Parramatta	LGOV
Commercial Hotel	2 Station Street	Parramatta	Parramatta	GAZ
Commercial Hotel	2a Hassall Street	Parramatta	Parramatta	LGOV
Commercial Hotel	Station Street	Parramatta	Parramatta	LGOV
Compax	1 Trott Street	Parramatta	Parramatta	LGOV
Conjoined Residence	26 Albert Street	Granville	Parramatta	LGOV
Conjoined Residence	15 Queen Street	Granville	Parramatta	LGOV
Conjoined residence	24 Albert Street	North Parramatta	Parramatta	LGOV
Conjoined Residence	13 Queen Street	Granville	Parramatta	LGOV
Conjoined residences	20, 22 Fennell Street	Parramatta	Parramatta	LGOV
Conjoined residences	22, 24 Jamieson Street	Granville	Parramatta	LGOV
Conjoined residences	36, 38 Jamieson Street	Granville	Parramatta	LGOV

Conjoined residences	55, 57 John Street	Granville	Parramatta	LGOV
Conjoined residences	34, 36 Kemp Street	Granville	Parramatta	LGOV
Conjoined residences	56, 58 Marsden Street	South Parramatta	Parramatta	LGOV
Conjoined residences	4,6 Ross Street	Parramatta	Parramatta	LGOV
Conjoined residences	2, 4 Russell Street	Granville	Parramatta	LGOV
Conjoined residences	10, 12 Russell Street	Granville	Parramatta	LGOV
Conjoined residences	24, 26 Spring Garden Street	Granville	Parramatta	LGOV
Conjoined residences	52, 54 The Avenue	Granville	Parramatta	LGOV
Conjoined residences	22, 24 Victoria Street	Granville	Parramatta	LGOV
Conjoined residences	22, 24 A'Beckett Street	Granville	Parramatta	LGOV
Conjoined residences	20, 22 Albert Street	Granville	Parramatta	LGOV
Conjoined residences	18, 20 Bowden Street	Harris Park	Parramatta	LGOV
Conjoined residences	3, 5 Brickfield Street	East Parramatta	Parramatta	LGOV
Conjoined residences	1, 3 Grose Street	Parramatta	Parramatta	LGOV
Conjoined residences	15,17 Grose Street	Parramatta	Parramatta	LGOV
Conjoined residences	26, 28 Jamieson Street	Granville	Parramatta	LGOV
Conjoined residences	32, 34 Jamieson Street	Granville	Parramatta	LGOV
Conjoined residences	40, 42 Onslow Street	Granville	Parramatta	LGOV
Conjoined residences	9, 11 Queen Street	Granville	Parramatta	LGOV
Conjoined residences	79, 81 Sorrell Street	North Parramatta	Parramatta	LGOV
Conjoined residences	86, 88 Sorrell Street	North Parramatta	Parramatta	LGOV
Conjoined residences	28, 30 Spring Garden Street	Granville	Parramatta	LGOV
Conjoined residences	9, 11 Woodville Road	Granville	Parramatta	LGOV

Conjoined

residences and potential archaeological site	66, 68 Ross Street	Parramatta	Parramatta	LGOV
Convent of Mercy	33 Allen Street	Harris Park	Parramatta	LGOV
Convent of Our Lady of Mercy & associated buildings	2-6 Victoria Road	Parramatta	Parramatta	LGOV
Convict Barracks wall and potential archaeological site	100 (rear) Macquarie Street	Parramatta	Parramatta	LGOV
Convict Hospital archaeological remains	Marsden Street	Parramatta	Parramatta	LGOV
Convict Hospital building rms	1818 Marsden Street	Parramatta	Parramatta	LGOV
Cottage	3, 5 Alice Street	Harris Park	Parramatta	LGOV
Cottage	316 Blaxcell Street	Granville	Parramatta	LGOV
Cottage	35 Cowper Street	Parramatta	Parramatta	LGOV
Cottage	148 Good Street	Harris Park	Parramatta	LGOV
Cottage	59 Harris Street	Harris Park	Parramatta	LGOV
Cottage	72 Kleins Road	Northmead	Parramatta	LGOV
Cottage	19 Lansdowne Street	South Parramatta	Parramatta	LGOV
Cottage	35 Lansdowne Street	South Parramatta	Parramatta	LGOV
Cottage	28 Lennox Street	South Parramatta	Parramatta	LGOV
Cottage	2 Lisgar Street	Granville	Parramatta	LGOV
Cottage	76 Marsden Street	South Parramatta	Parramatta	LGOV
Cottage	21 Membrey Street	Granville	Parramatta	LGOV
Cottage	54 Stuart Street	Granville	Parramatta	LGOV
Cottage	183 William Street	Granville	Parramatta	LGOV
Cottage	18 Galloway Street	North Parramatta	Parramatta	LGOV
Cottage	29 Bertha Street	Merrylands	Parramatta	LGOV
Cottage	26 Crimea Street	Parramatta	Parramatta	LGOV
Cottage	24 Iron Street	North Parramatta	Parramatta	LGOV
Cottage	12 Rosehill Street	Parramatta	Parramatta	LGOV
Cottage	55 Ross Street	Parramatta	Parramatta	LGOV

Cottage	1 Salisbury Road	Guildford	Parramatta	LGOV
Cottage	22 Tulong Avenue	Oatlands	Parramatta	LGOV
Cottage	59 Wentworth Avenue	Wentworthville	Parramatta	LGOV
Cottage	10 Bury Street	Guildford	Parramatta	LGOV
Cottage	25 Crimea Street	South Parramatta	Parramatta	LGOV
Cottage	8 Dixon Street	South Parramatta	Parramatta	LGOV
Cottage	37 Fifth Street	Granville	Parramatta	LGOV
Cottage	173 George Street	Harris Park	Parramatta	LGOV
Cottage	31 Glenn Avenue	Northmead	Parramatta	LGOV
Cottage	65 Harris Street	Harris Park	Parramatta	LGOV
Cottage	40 Inkerman Street	South Parramatta	Parramatta	LGOV
Cottage	20 Lennox Street	South Parramatta	Parramatta	LGOV
Cottage	59 Merrylands Road	Merrylands	Parramatta	LGOV
Cottage	1 Wendy Place	Toongabbie	Parramatta	LGOV
Cottage	27 Woodstock Street	Guildford	Parramatta	LGOV
Cottage	91 Blaxcell Street	Granville	Parramatta	LGOV
Cottage	76 Buller Street	North Parramatta	Parramatta	LGOV
Cottage	66 Cross Street	Guildford	Parramatta	LGOV
Cottage	10 Florrie Street	Granville	Parramatta	LGOV
Cottage	40 Grose Street	Parramatta	Parramatta	LGOV
Cottage	26 Iron Street	North Parramatta	Parramatta	LGOV
Cottage	5 Lansdowne Street	Parramatta	Parramatta	LGOV
Cottage	29 Lansdowne Street	Parramatta	Parramatta	LGOV
Cottage	28 Mimosa Drive	Clyde	Parramatta	LGOV
Cottage	168 Pennant Street	Parramatta	Parramatta	LGOV
Cottage	105 Railway Street	Wentworthville	Parramatta	LGOV
Cottage	39 Rosebery Road	Guildford	Parramatta	LGOV
Cottage	10 Rosehill Street	Parramatta	Parramatta	LGOV
Cottage	14 Short Street	Parramatta	Parramatta	LGOV
Cottage	13 Station Road	Toongabbie	Parramatta	LGOV
Cottage Group	22, 24, 28 Alice Street	Harris Park	Parramatta	LGOV
Cottage group	20, 22 Redbank Road	Northmead	Parramatta	LGOV
Cottages	4, 6 Hammers Road	Northmead	Parramatta	LGOV

Cottages	67, 69 Harris Street	Harris Park	Parramatta	LGOV
Cottages	1, 3, 5, 7, 9 Albert Street	Granville	Parramatta	LGOV
Cottages	6, 10 Alice Street	Harris Park	Parramatta	LGOV
Cottages	41, 43 Sixth Street	Granville	Parramatta	LGOV
Cottages and potential archaeological site	100 (rear) Macquarie Street	Parramatta	Parramatta	LGOV
Cottages group	64, 66, 68, 70, 72, 76, 78 Harris Street	Harris Park	Parramatta	LGOV
Cottages group	90, 92, 94, 96, 98 Harris Street	Harris Park	Parramatta	LGOV
Cottages group	82, 84, 86, 88 Harris Street	Harris Park	Parramatta	LGOV
Cottages group	100-102, 104, 106, 108, 110 Harris Street	Harris Park	Parramatta	LGOV
Court House Tower	12 George Street	Parramatta	Parramatta	LGOV
Court House wall and sandstone cellblock and potential arch. Site	235-237 Church Street	Parramatta	Parramatta	LGOV
Cowper Cottage	9 Cowper Street	Harris Park	Parramatta	LGOV
Crest	157 Blaxcell Street	Granville	Parramatta	LGOV
Cricket Shelter	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Croquet Lawn and Pavilion	Kent (cnr)	Epping	Parramatta	LGOV
Cumberland Builders Bowling Club	9-13 Elder Road	Dundas	Parramatta	LGOV
Cumberland Hospital Heritage Precinct	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Cumberland Hospital including Wisteria Gardens	1 Fleet Street	Parramatta	Parramatta	LGOV
Dalmar Children's Home	225 Marsden Road	Carlingford	Parramatta	LGOV
Dam wall	7 (off) Ronald Avenue	Dundas	Parramatta	LGOV
Darling Mills Creek Sewage Aqueduct	Board Street	North Parramatta	Parramatta	SGOV
David Jones Department Store (former)	330 Church Street	Parramatta	Parramatta	LGOV
David Lennox's House	39 Campbell Street	Parramatta	Parramatta	LGOV
Debsmor	6 Crimea Street	Parramatta	Parramatta	LGOV
Dellwood		South		

Shopping Centre	12 Dellwood Street	Granville	Parramatta	LGOV
Dining Hall	O'CONNELL STREET	PARRAMATTA	Parramatta	SGOV
Domestic Supervisor's Cottage	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Dorella	14 Rosehill Street	Parramatta	Parramatta	LGOV
Dorislea	74 O'Connell Street	North Parramatta	Parramatta	LGOV
Dormitory and Classrooms	O'CONNELL STREET	PARRAMATTA	Parramatta	SGOV
Dunblane	63 Victoria Road	East Parramatta	Parramatta	LGOV
Dundas Baptist Church	154 Marsden Road	Dundas	Parramatta	LGOV
Dundas Municipal Council Chambers (former)	156-158 Marsden Road	Dundas	Parramatta	LGOV
Dundas Station Group		Dundas	Parramatta	SGOV
Dunlop Street Group	14,16,18 Dunlop Street	North Parramatta	Parramatta	LGOV
Dunluce	434 Victoria Road	Rydalmere	Parramatta	LGOV
Early cottage	7 Early Street	South Parramatta	Parramatta	LGOV
Eastwood Brickyards	37 Midson Road	Eastwood	Parramatta	LGOV
Edna Hunt Reserve	10a Hillside Crescent	Epping	Parramatta	LGOV
Elaine	12 Crimea Street	Parramatta	Parramatta	LGOV
Elderslie	69 Weston Street	Harris Park	Parramatta	LGOV
Eleanor Street Group	57, 59, 61-79 Eleanor Street	Harris Park	Parramatta	LGOV
Electrical sub-station	2 Bright Street	Granville	Parramatta	LGOV
Electrical sub-station	133 Guildford Road	Guildford	Parramatta	LGOV
Electrical sub-station	417 Blaxcell Street	Granville	Parramatta	LGOV
Electricity substation	Dunlop Street	North Parramatta	Parramatta	LGOV
Electricity Substation and potential archaeological site	11c Ross Street	Parramatta	Parramatta	LGOV
Elizabeth Farm and associated	70 Alice Street	Rosehill	Parramatta	LGOV

public reserve

Elizabeth Farm Archaeological Site	61, 63, 65 Alice Street	Harris Park	Parramatta	LGOV
Elizabeth Farm Heritage Conservation Area	Refer to map	Harris Park	Parramatta	LGOV
Endrim	54 Sorrell Street	Parramatta	Parramatta	LGOV
Epping/Eastwood Conservation Area	Refer to map	Epping / Eastwood	Parramatta	LGOV
Eric Mobbs Memorial	356 Marsden Road	Carlingford	Parramatta	LGOV
Ermington Wharf	114 Wharf Road	Ermington	Parramatta	LGOV
Esperanto	6 Crown Street	Harris Park	Parramatta	LGOV
European Rock carvings	226 (rear) Windsor Road	Northmead	Parramatta	LGOV
Everley Park	1 Everley Road	South Granville	Parramatta	LGOV
Evesham	102 William Street	Granville	Parramatta	LGOV
Experiment Farm and potential archaeological site	9 Ruse Street	Harris Park	Parramatta	LGOV
Experiment Farm Archaeological Site (part)	7, 13 Ruse Street	Harris Park	Parramatta	LGOV
Experiment Farm environs	16, 18, 20 Alice Street	Harris Park	Parramatta	LGOV
Experiment Farm environs	45 (part) Hassall Street	Harris Park	Parramatta	LGOV
Experiment Farm environs	101 Harris Street	Harris Park	Parramatta	LGOV
Experiment Farm environs	8, 10, 12 Ruse Street	Harris Park	Parramatta	LGOV
Experiment Farm Heritage Conservation Area	Refer to map	Harris Park	Parramatta	LGOV
Farmhouse cottage	266 Windsor Road	Model Farms	Parramatta	LGOV
Female Factory - Clock & Bell	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Fibro Cottage	2 Prince Street	North Parramatta	Parramatta	LGOV
Fibro Cottages	123-157 Bungaree Road	Pendle Hill	Parramatta	LGOV
Fibro house	43 Willoughby Street	Epping	Parramatta	LGOV

Firholme	27 Belmore Street	North Parramatta	Parramatta	LGOV
Florence	76 Calder Road	Dundas	Parramatta	LGOV
Galaringi Reserve	130 Evans Road	Carlingford	Parramatta	LGOV
Gaskie - Ben	228 Marsden Road	Dundas	Parramatta	LGOV
Gasworks bridge	198 (adj) George Street	Parramatta	Parramatta	LGOV
Girrahween	14 Isabella Street	North Parramatta	Parramatta	LGOV
Glencoe	3 Barbers Road	South Granville	Parramatta	LGOV
Grandview	300 Marsden Road	Carlingford	Parramatta	LGOV
Granville Boys High School	10 Mary Street	Granville	Parramatta	LGOV
Granville Conservation Area - Civic Precinct	Refer to map	Granville	Parramatta	LGOV
Granville Conservation Area - Residential	Refer to map	Granville	Parramatta	LGOV
Granville Footbridge	At Station	Granville	Parramatta	SGOV
Granville Hotel	10 Good Street	Granville	Parramatta	LGOV
Granville Police Station	10,12 Hutchinson Street	Granville	Parramatta	LGOV
Granville Public School	133 William Street	Granville	Parramatta	LGOV
Granville RSL Club	5 Memorial Drive	Granville	Parramatta	LGOV
Granville South Public School	276 Woodville Road	Guildford	Parramatta	LGOV
Granville Station Group		Granville	Parramatta	SGOV
Granville Swimming Pool	1a Enid Avenue	Granville	Parramatta	LGOV
Granville Technical College	80 South Street	Granville	Parramatta	LGOV
Granville Town Hall	10 Carlton Street	Granville	Parramatta	LGOV
Granville War Memorial	3a Memorial Drive	Granville	Parramatta	LGOV
Grave of Eliner Magee & child	1b (off) Grand Avenue	Rosehill	Parramatta	LGOV
Grimwood Street Group	23, 27, 28, 30 Grimwood Street	Granville	Parramatta	LGOV
Grose Manor	66 Grose Street	Parramatta	Parramatta	LGOV

Group of cottages	4,6,12,14,16,18,20 Albion Street	Harris Park	Parramatta	LGOV
Group of cottages	24, 26, 28, 30, 32 Albion Street	Harris Park	Parramatta	LGOV
Group of cottages	25,27,29,31,33,35,37,39,41,43,45,47,49,51 Albion Street	Harris Park	Parramatta	LGOV
Group of cottages	65,69,71,73,75,77,79 Marion Street	Harris Park	Parramatta	LGOV
Group of cottages	59, 61, 63, 65 Wigram Street	Harris Park	Parramatta	LGOV
Group of cottages	3,5,9,11,13,15,17,19,21 Albion Street	Harris Park	Parramatta	LGOV
Group of cottages	36,38,42,44,46,48,52 Albion Street	Harris Park	Parramatta	LGOV
Group of cottages	42,44,46,48 Marion Street	Parramatta	Parramatta	LGOV
Group of cottages	62, 64-80 Wigram Street	Harris Park	Parramatta	LGOV
Group of cottages	73,75,77,79 Wigram Street	Harris Park	Parramatta	LGOV
Group of dwellings	84,88,90,92,94,102 Wigram Street	Harris Park	Parramatta	LGOV
Group of Sandstone Buildings	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Group of timber houses	5, 7, 9 Ada Street	Harris Park	Parramatta	LGOV
Guildford Fire Station	263 Guildford Road	Guildford	Parramatta	LGOV
Guildford Footbridge		Guildford	Parramatta	SGOV
Guildford Shop Group	317-337, 343-351 Guildford Road	Guildford	Parramatta	LGOV
Guildford Station		Guildford	Parramatta	SGOV
Hambledon Cottage and Fig Tree	47 Hassall Street	Harris Park	Parramatta	LGOV
Hammer's Cottage	11 Harrison Street	Constitution Hill	Parramatta	LGOV
Harris Park Footbridge	At Station	Harris Park	Parramatta	SGOV
Harris Park West Heritage Conservation Area	Refer to map	Harris Park	Parramatta	LGOV
Harrisford and potential archaeological site	182 George Street	Parramatta	Parramatta	LGOV

Havilah	754-760 Pennant Hills Road	Carlingford	Parramatta	GAZ
Hazelmere	17 Buller Street	East Parramatta	Parramatta	LGOV
Headmaster's Residence, Former	O'CONNELL STREET	PARRAMATTA	Parramatta	SGOV
Historic Street Pattern	GEORGE STREET	PARRAMATTA	Parramatta	SGOV
HMAS Parramatta Memorial	198 George Street	Parramatta	Parramatta	LGOV
HMV and potential archaeological site	215, 217 Church Street	Parramatta	Parramatta	LGOV
Hollywood	62 O'Connell Street	Parramatta	Parramatta	LGOV
Holy Trinity Roman Catholic Church Group	14 Randle Street	Granville	Parramatta	LGOV
Homes for Unemployed cottage	46 Bertha Street	Merrylands	Parramatta	LGOV
Horse Parapet Facade and potential archaeological site	198-216 Church Street	Parramatta	Parramatta	LGOV
Horse trough	1a Pennant Hills Road	North Parramatta	Parramatta	LGOV
Horse trough	Victoria Road footpath	Parramatta	Parramatta	LGOV
Hospital Playing Field Reserve	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
House	58 Bolton Street	Guildford	Parramatta	LGOV
House	3 Earl Street	Granville	Parramatta	LGOV
House	73 Milner Street	Guildford	Parramatta	LGOV
House	95 Railway Street	Wentworthville	Parramatta	LGOV
House	346 Railway Terrace	Guildford	Parramatta	LGOV
House	45 Station Street	Guildford	Parramatta	LGOV
House	52 Fennell Street	Parramatta	Parramatta	LGOV
House	77 Rosebery Road	Guildford	Parramatta	LGOV
House	10 Cross Street	Guildford	Parramatta	LGOV
House	3 Grandview Street	East Parramatta	Parramatta	LGOV
House	14 Grandview Street	East Parramatta	Parramatta	LGOV
House	76,78 Lanhams Road	Winston Hills	Parramatta	LGOV

House	30 Lansdowne Street	Merrylands	Parramatta	LGOV
House	59 McArthur Street	Guildford	Parramatta	LGOV
House	109 Spurway Street	Ermington	Parramatta	LGOV
House	13-15 Thomas Street	Northmead	Parramatta	LGOV
House	1 Willis Avenue	South Granville	Parramatta	LGOV
House	180 Windsor Road	Winston Hills	Parramatta	LGOV
House	25 Barnetts Road	Winston Hills	Parramatta	LGOV
House	46 Crowgey Street	Dundas	Parramatta	LGOV
House	328 Woodville Road	Guildford	Parramatta	LGOV
House/Industrial	9 Marion Street	Harris Park	Parramatta	LGOV
Houses built for Housing Commission	347, 349-361 Blaxcell Street	South Granville	Parramatta	LGOV
Houses built for Housing Commission	27-29, 33-47 Chiswick Road	South Granville	Parramatta	LGOV
Houses built for Housing Commission	276, 278, 282-288 Clyde Street	South Granville	Parramatta	LGOV
Houses built for Housing Commission	6-16, 26 Oakleigh Avenue	South Granville	Parramatta	LGOV
Housing Commission Cottage	73 Adam Street	Guildford	Parramatta	LGOV
Housing Commission Cottage	71 Adam Street	Guildford	Parramatta	LGOV
Housing Commission houses	7-29, 2-24 Montgomery Avenue	South Granville	Parramatta	LGOV
Hughes Road Group	4, 6, 8 Hughes Road	Eastwood	Parramatta	LGOV
Hunts Creek Dam Wall	3 James Ruse Drive	North Parramatta	Parramatta	LGOV
Inscribed Coping Stones	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Iona	37 Weston Street	Harris Park	Parramatta	LGOV
Iron Street Group	34, 36 Iron Street	North Parramatta	Parramatta	LGOV
Italianate Villa Cottage	16 Denison Street	Parramatta	Parramatta	LGOV
Item	14-16 Ross Street	Parramatta	Parramatta	GAZ
Item	Harris Street	Parramatta	Parramatta	GAZ
Item	18 Grose Street	Parramatta	Parramatta	GAZ

Item	44, 46 Albert Street	Parramatta	Parramatta	GAZ
Item	55, 57, 59 High Street	Harris Park	Parramatta	GAZ
Item	98 Harris Street	Harris Park	Parramatta	GAZ
Jeffrey House	GEORGE STREET	PARRAMATTA	Parramatta	SGOV
Jeshyron	3 Cowper Street	Harris Park	Parramatta	LGOV
Jones, The	58 Albert Street	North Parramatta	Parramatta	LGOV
Joseph Knox Cottage	54 Binalong Road	Toongabbie	Parramatta	LGOV
K13 Memorial	304 Pennant Hills Road	Dundas	Parramatta	LGOV
Kerb and guttering	Walter Street (length of)	Granville	Parramatta	LGOV
Kergunyah	186 Windsor Road	Winston Hills	Parramatta	LGOV
Kia Ora and potential archaeological site	64 Macquarie Street	Parramatta	Parramatta	LGOV
Kianga	15 Bradman Street	Granville	Parramatta	LGOV
Kings School Group (former)		Parramatta	Parramatta	LGOV
Kings School Main Building and Cottage (former)	O'Connell Street	Parramatta	Parramatta	LGOV
Kissing Point Cottage	272-282 Kissing Point Road	Dundas	Parramatta	LGOV
Kitchen & Servants' Quarters	O'CONNELL STREET	PARRAMATTA	Parramatta	SGOV
Knox Presbyterian Church	14 Hutchinson Street	Granville	Parramatta	LGOV
La Mascotte	40 Tomah Street	Carlingford	Parramatta	LGOV
Lake Parramatta Reserve	3 James Ruse Drive	North Parramatta	Parramatta	LGOV
Lancer Barracks Group	2 Smith Street	Parramatta	Parramatta	LGOV
Landscape elements	O'CONNELL STREET	PARRAMATTA	Parramatta	SGOV
Landscaped garden	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Landscaping (inc. millstones at Reckitt and Colman)	8, 12, 38-42, 44 Wharf Road	Ermington	Parramatta	LGOV
Latalda	20 A'Beckett Street	Granville	Parramatta	LGOV

Lauriston Reception House	146 Marsden Road	Dundas	Parramatta	LGOV
Leigh Memorial Uniting Church	119 Macquarie Street	Parramatta	Parramatta	LGOV
Lennox Bridge	349-351 (adj) Church Street	Parramatta	Parramatta	LGOV
Llonels	1 Cowper Street	Harris Park	Parramatta	LGOV
Lodge, The	56 Merrylands Road	Merrylands	Parramatta	LGOV
Lurlinea and potential archaeological site	2 Trott Street	Parramatta	Parramatta	LGOV
Macarthur House	8 Melville Street	Parramatta	Parramatta	LGOV
Marist Brothers Building	42 Langdon Road	Winston Hills	Parramatta	LGOV
Marist Fathers Seminary	119 Rausch	Toongabbie	Parramatta	LGOV
Marsden Rehabilitation Centre and potential archaeological site	24-26 O'Connell Street	Parramatta	Parramatta	LGOV
Marsden Rehabilitation Centre Precinct	O'CONNELL STREET	PARRAMATTA	Parramatta	SGOV
Marsdens Building and potential archaeological site	17 George Street	Parramatta	Parramatta	LGOV
Masonic Centre	47 Campbell Street	Parramatta	Parramatta	LGOV
Median	Thomas Street (east end)	East Parramatta	Parramatta	LGOV
Merrylands (York Street) Footbridge	North Of Station At York Street	Merrylands	Parramatta	SGOV
Merrylands Footbridge	At Station	Merrylands	Parramatta	SGOV
Milestone	93 (adj) Great Western Highway	Parramatta	Parramatta	LGOV
Milton Avenue Group	18, 27, 29, 35 Milton Avenue	Eastwood	Parramatta	LGOV
Mobbs Hill Reserve	322a Marsden Road	Carlingford	Parramatta	LGOV
Mobbs Hill Reservoir (WS 0068)	Marsden Road	Carlingford	Parramatta	SGOV
Mobbs Hill Reservoir (WS 0069)	Marsden Road	Carlingford	Parramatta	SGOV
Model Farm Siding Reserve	196 Windsor Road	Model Farms	Parramatta	LGOV

Moderne house	220 Windsor Road	Northmead	Parramatta	LGOV
Mona	13 Marion Street	Harris Park	Parramatta	LGOV
Monuments	29 William Street	Granville	Parramatta	LGOV
Mount Beulah Hall	35-37 Cowper Street	Granville	Parramatta	LGOV
Mount Dorothy Reservoir	21a Caloola Road	Wentworthville	Parramatta	LGOV
Mount Dorothy Reservoir (WS 0073)	Caloola Road	Wentworthville	Parramatta	SGOV
Mount Epping	15 Willoughby Street	Epping	Parramatta	LGOV
Moxham Park	19 Whitehaven Road	Northmead	Parramatta	LGOV
Murray's Building and potential archaeological site	188 Church Street (SE cnr)	Parramatta	Parramatta	LGOV
Myrai	188 Windsor Road	Winston Hills	Parramatta	LGOV
Nallabrae	17-21 Carlton Street	Granville	Parramatta	LGOV
Neryda	80 Weston Street	Harris Park	Parramatta	LGOV
New York Street Group	12-14, 18-24, 13 New York Street	Granville	Parramatta	LGOV
Newington Arms Depot Wharf		Silverwater	Parramatta	GAZ
Newlands gates, trees and archaeological site	1 Macarthur Street	Parramatta	Parramatta	LGOV
Nineteenth century cottages	25, 27 Galloway Street	North Parramatta	Parramatta	LGOV
Norfolk House and potential archaeological site	467-469 Church Street	North Parramatta	Parramatta	LGOV
North Parramatta Conservation Area	Refer to map	North Parramatta	Parramatta	LGOV
Northern Suburbs Ocean Outfall Sewer (NSOOS)	Flushcome Road, Blacktown to Ocean Outfall at North Head	Northern Suburbs Of Sydney	Ku-Ring-Gai	SGOV
Northern Suburbs Ocean Outfall Sewer (NSOOS)	Flushcome Road, Blacktown to Ocean Outfall at North Head	Northern Suburbs Of Sydney	Lane Cove	SGOV
Northern Suburbs Ocean Outfall Sewer (NSOOS)	Flushcome Road, Blacktown to Ocean Outfall at North Head	Northern Suburbs Of Sydney	Manly	SGOV
Northern		Northern		

Suburbs Ocean Outfall Sewer (NSOOS)	Flushcome Road, Blacktown to Ocean Outfall at North Head	Suburbs Of Sydney	Mosman	SGOV
Northern Suburbs Ocean Outfall Sewer (NSOOS)	Flushcome Road, Blacktown to Ocean Outfall at North Head	Northern Suburbs Of Sydney	Parramatta	SGOV
Northern Suburbs Ocean Outfall Sewer (NSOOS)	Flushcome Road, Blacktown to Ocean Outfall at North Head	Northern Suburbs Of Sydney	Ryde	SGOV
Northern Suburbs Ocean Outfall Sewer (NSOOS)	Flushcome Road, Blacktown to Ocean Outfall at North Head	Northern Suburbs Of Sydney	Baulkham Hills	SGOV
Northern Suburbs Ocean Outfall Sewer (NSOOS)	Flushcome Road, Blacktown to Ocean Outfall at North Head	Northern Suburbs Of Sydney	Blacktown	SGOV
Northern Suburbs Ocean Outfall Sewer (NSOOS)	Flushcome Road, Blacktown to Ocean Outfall at North Head	Northern Suburbs Of Sydney	Hunters Hill	SGOV
Northern Suburbs Ocean Outfall Sewer (NSOOS)	Flushcome Road, Blacktown to Ocean Outfall at North Head	Northern Suburbs Of Sydney	Warringah	SGOV
Nurses' Administration Block	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Oak Street Cottage Group	4,6,8,10,12 Oak Street	Harris Park	Parramatta	LGOV
Oatlands House in grounds of Oatlands Golf Course	Bettington Road	Oatlands	Parramatta	LGOV
Oddfellows Arms Inn	541 Church Street	Parramatta	Parramatta	LGOV
Office and potential archaeological site	70,74 Phillip Street	Parramatta	Parramatta	LGOV
Old Alignment of Marsden Road	158-160 (front) Marsden Road	Dundas	Parramatta	LGOV
Old Toongabbie Uniting Church	271 Old Windsor Road	Toongabbie	Parramatta	LGOV
Old Wesleyan Cemetery	2 Buller Street	East Parramatta	Parramatta	LGOV
Original Walls	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Pair of cottages	1, 3 Lennox Street	South Parramatta	Parramatta	LGOV
Pair of cottages	84, 86 O'Connell Street	North Parramatta	Parramatta	LGOV

Palms	5, 7, 9, (rear) Rangihou Crescent	East Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2860	O'Connell Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2861	Fleet Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2862	Villiers Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2863	2 Smith Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2864	Grand Avenue	Camellia	Parramatta	LGOV
Parramatta Archaeological Management Unit 2866	24-26 O'Connell Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2868	George Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2869	Macquarie Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2870	James Ruse Drive	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2871	Church Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2872	85 George Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2873	George Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2875	George Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological	Smith Street	Parramatta	Parramatta	LGOV

**Management Unit
2876**
**Parramatta
Archaeological
Management Unit
2877**

Parramatta Park

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2878**

George Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2879**

Alice Street

Harris Park

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2880**

541 Church Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2881**

Erby Place

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2882**

42-56 Phillip Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2883**

O'Connell Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2884**

Hassall Street

Harris Park

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2885**

O'Connell Street

North
Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2886**

Church Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2887**

Macquarie Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2888**

1 O'Connell Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2890**

Cardillo Street

Westmead

Parramatta LGOV

**Parramatta
Archaeological**

Darcy Road

Westmead

Parramatta LGOV

**Management Unit
2890**

Parramatta Archaeological Management Unit 2891	Darcy Road	Westmead	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2892	Briens Road	Northmead	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2893	6a Hawkesbury Road	Westmead	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2894	George Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2895	George Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2896	Fennell Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2897	83 Macquarie Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2898	Castle Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2899	O'Connell Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2900	Park Parade	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2901	95, 97 Great Western Highway	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2902	1 Pennant Hills Road	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2906	Marsden Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological	Macquarie Street	Parramatta	Parramatta	LGOV
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**Management Unit
2908**
**Parramatta
Archaeological
Management Unit
2909**

James Ruse Drive

Parramatta

Parramatta

LGOV

**Parramatta
Archaeological
Management Unit
2910**

Church Street

Parramatta

Parramatta

LGOV

**Parramatta
Archaeological
Management Unit
2911**

Railway Line

Rydalmere,
Camellia and
Rosehill

Parramatta

LGOV

**Parramatta
Archaeological
Management Unit
2912**

Great Western Highway

Parramatta

Parramatta

LGOV

**Parramatta
Archaeological
Management Unit
2913**

207 Church Street

Parramatta

Parramatta

LGOV

**Parramatta
Archaeological
Management Unit
2915**

Briens Road

Westmead and
Wentworthville

Parramatta

LGOV

**Parramatta
Archaeological
Management Unit
2916**

Brickfield Street

Parramatta

Parramatta

LGOV

**Parramatta
Archaeological
Management Unit
2917**

Bridge Road

Westmead

Parramatta

LGOV

**Parramatta
Archaeological
Management Unit
2918**

Briens Road

Northmead

Parramatta

LGOV

**Parramatta
Archaeological
Management Unit
2919**

Kleins Street

Northmead

Parramatta

LGOV

**Parramatta
Archaeological
Management Unit
2920**

Briens Road

Northmead

Parramatta

LGOV

**Parramatta
Archaeological
Management Unit
2921**

Boundary Street

Northmead

Parramatta

LGOV

**Parramatta
Archaeological
Management Unit
2922**

James Ruse Drive

Rosehill

Parramatta

LGOV

**Parramatta
Archaeological**

Hawkesbury Road

Westmead

Parramatta

LGOV

**Management Unit
2923**

Parramatta Archaeological Management Unit 2924	Hawkesbury Road	Westmead	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2925	Good Street	Westmead	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2926	Bridge Road	Westmead	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2928	152 Marsden Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2929	Webb Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2932	2A Gregory Place	Harris Park	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2933	O'Connell Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2934	Purchase Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2935	Bourke Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2936	George Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2937	James Ruse Drive	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2938	Grand Avenue	Camellia	Parramatta	LGOV
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Parramatta Archaeological Management Unit 2939	Hunt Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological	Bourke Street	North	Parramatta	LGOV
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Management Unit 2940		Parramatta		
Parramatta Archaeological Management Unit 2941	Bourke Street	North Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2942	Iron Street	North Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2943	Saunders Street	North Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2944	George Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2945	153 George Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2946	Marsden Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2947	Pitt Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2948	Grand Avenue	Camellia	Parramatta	LGOV
Parramatta Archaeological Management Unit 2949	30 Phillip Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2950	330 Church Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2951	Church Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2952	Macquarie Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2953	O'Connell Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological	Burnside Street	North	Parramatta	LGOV

Management Unit 2954		Parramatta		
Parramatta Archaeological Management Unit 2955	Pennant Hills Road	North Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2956	32 Phillip Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2957	Victoria Road	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2958	Victoria Road	North Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2959	Alice Street	Harris Park	Parramatta	LGOV
Parramatta Archaeological Management Unit 2960	Bridge Road	Westmead	Parramatta	LGOV
Parramatta Archaeological Management Unit 2961	Victoria Road	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 2962	Grand Avenue	Camellia	Parramatta	LGOV
Parramatta Archaeological Management Unit 2963	Grand Avenue	Camellia	Parramatta	LGOV
Parramatta Archaeological Management Unit 2964	Grand Avenue	Rosehill	Parramatta	LGOV
Parramatta Archaeological Management Unit 2965	Grand Avenue	Rosehill	Parramatta	LGOV
Parramatta Archaeological Management Unit 2966	Devon Street	Rosehill	Parramatta	LGOV
Parramatta Archaeological Management Unit 2967	Grand Avenue	Camellia	Parramatta	LGOV
Parramatta Archaeological	Unwin Street	Rosehill	Parramatta	LGOV

**Management Unit
2968**
**Parramatta
Archaeological
Management Unit
2969**

Wentworth Street

Rosehill

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2970**

Wentworth Street

Rosehill

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2971**

Deniehy Street

Rosehill

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2972**

Tramway Avenue

Camellia

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2973**

Weston Street

Harris Park

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2974**

Harris Street

Harris Park

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2975**

Weston Street

Harris Park

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2976**

459-463 Church Street

North
Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2977**

Hassall Street

Harris Park

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2978**

Arthur Street

Harris Park

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2979**

Alfred Street

Harris Park

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2980**

Church Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2983**

Railway Line

Westmead

Parramatta LGOV

**Parramatta
Archaeological**

James Ruse Drive

Rosehill

Parramatta LGOV

**Management Unit
2984**
**Parramatta
Archaeological
Management Unit
2985**

O'Connell Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2986**

Campbell Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2987**

Campbell Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2988**

Victoria Road

Rydalmere

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2989**

Argyle Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2990**

Church Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2991**

Hunter Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2992**

Church Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2993**

Pennant Hills Road

North
Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2994**

Brodie Street

Rydalmere

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2996**

Parramatta River

Parramatta,
Harris Park,
Rydalmere and
Camellia

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2997**

56 Fennell Street

North
Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
2998**

O'Connell Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological**

James Ruse Drive

Rydalmere

Parramatta LGOV

**Management Unit
2999**

Parramatta Archaeological Management Unit 3000	Victoria Road	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3001	James Ruse Drive	Rydalmere	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3002	James Ruse Drive	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3003	Kissing Point Road	Rydalmere	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3004	Victoria Road	Rydalmere	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3005	James Ruse Drive	Camellia	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3006	Tramway Avenue	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3007	Brodie Street	Rydalmere	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3008	South Street	Rydalmere	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3009	Park Road	Rydalmere	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3010	Ella Street	Rydalmere	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3011	James Ruse Drive	Rydalmere	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3012	15-29 Tennyson Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological	124-138 Thomas Street	Parramatta	Parramatta	LGOV
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**Management Unit
3012**

Parramatta Archaeological Management Unit 3013	John Street	Rydalmere	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3014	Brodie Street	Rydalmere	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3015	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3016	Victoria Road	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3017	Victoria Road	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3018	George Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3019	65-77 Macquarie Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3020	Pemberton Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3021	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3022	10 Phillip Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3023	8 Melville Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3024	43a Thomas Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3025	Broughton Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological	1a, 1b Morton Street	Parramatta	Parramatta	LGOV
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**Management Unit
3026**
**Parramatta
Archaeological
Management Unit
3027**

Victoria Road

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
3028**

9 Thomas Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
3029**

Macarthur Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
3030**

James Ruse Drive

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
3031**

Alfred Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
3032**

Hunter Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
3033**

Bellevue Street

North
Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
3034**

George Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
3035**

George Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
3037**

Purchase Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
3038**

Hassall Street

Parramatta

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
3041**

Marion Street

Harris Park

Parramatta LGOV

**Parramatta
Archaeological
Management Unit
3042**

Prince Street

Granville

Parramatta LGOV

**Parramatta
Archaeological**

Argyle Street

Parramatta

Parramatta LGOV

**Management Unit
3043**

Parramatta Archaeological Management Unit 3044	21 Elizabeth Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3046	Alice Street	Rosehill	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3047	Parramatta Road	Granville	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3049	56 Station Street East	Harris Park	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3051	Hassall Street	Harris Park	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3054	Parkes Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3055	Argyle Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3057	Church Street (Great Western Highway)	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3059	Parkes Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3060	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3064	Campbell Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3066	James Ruse Drive	Harris Park	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3068	Albert Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological	Harris Street	Parramatta	Parramatta	LGOV
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**Management Unit
3069**

Parramatta Archaeological Management Unit 3070	Mons Street	Westmead	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3071	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3072	Park Parade	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3075	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3076	Parkes Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3079	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3081	Dixon Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3082	George Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3083	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3084	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3085	Pitt Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3086	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3088	9, 10 The Park	Parramatta	Parramatta	LGOV
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Parramatta Archaeological	George Street	Parramatta	Parramatta	LGOV
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**Management Unit
3089**

Parramatta Archaeological Management Unit 3090	Great Western Highway	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3091	Argyle Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3092	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3095	85-93, 99 The Great Western Highway	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3096	George Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3098	Station Street East	Harris Park	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3099	70-74 Phillip Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3100	40 Smith Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3101	George Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3102	Barrack Lane	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3103	Western Motorway	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3104	O'Connell Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3105	George Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological	Macquarie Street	Parramatta	Parramatta	LGOV
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**Management Unit
3106**

Parramatta Archaeological Management Unit 3107	Charles Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3108	Hassall Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3109	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3110	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3111	Marist Place	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3112	124-124a O'Connell Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3113	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3114	Sorrell Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3115	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3116	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3117	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3118	Grose Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3119	Grose Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological	Church Street	Parramatta	Parramatta	LGOV
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**Management Unit
3120**

Parramatta Archaeological Management Unit 3121	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3122	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3123	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3124	Fennell Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3125	Fennell Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3126	O'Connell Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3127	Villiers Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3128	Church Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3129	Fennell Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3130	Church Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3131	15 Albert Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3132	Albert Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3133	Church Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological	Church Street	North	Parramatta	LGOV
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Management Unit 3134		Parramatta		
Parramatta Archaeological Management Unit 3135	Church Street	North Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3136	Castle Street	North Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3137	Church Street	North Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3138	Church Street	North Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3139	Church Street	North Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3143	625 Church Street	North Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3144	O'Connell Street	North Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3147	17 Union Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3148	George Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3149	George Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3150	Charles Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3151	Macquarie Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3152	Civic Place	Parramatta	Parramatta	LGOV
Parramatta Archaeological	30 Darcy Street	Parramatta	Parramatta	LGOV

**Management Unit
3153**

Parramatta Archaeological Management Unit 3154	169 Macquarie Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3155	Phillip Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3156	Smith Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3157	Barrack Lane	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3158	Marsden Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3159	O'Connell Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3164	O'Connell Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3165	2 Buller Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3167	Belmore Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3168	35 Smith Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3169	Smith Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3170	60a Phillip Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3171	66, 68 Phillip Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological	76-78 Phillip Street	Parramatta	Parramatta	LGOV
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**Management Unit
3172**

Parramatta Archaeological Management Unit 3173	Phillip Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3174	Phillip Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3175	28 George Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3176	Phillip Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3177	George Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3178	George Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3179	George Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3180	60 Macquarie Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3181	70-72 Macquarie Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3182	George Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3183	116 Macquarie Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3184	181 Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3185	43 Hunter Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological	Hunter Street	Parramatta	Parramatta	LGOV
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**Management Unit
3186**

Parramatta Archaeological Management Unit 3187	Hunter Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3188	Macquarie Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3189	22A-24 Hunter Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3190	Macquarie Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3191	Grose Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3192	Victoria Road	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3193	Sorrell Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3194	Brickfield Street	North Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3195	2-6 Hunter Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3196	Victoria Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3197	Macquarie Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3198	Hunter Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3199	Argyle Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological	9-15 Argyle Street	Parramatta	Parramatta	LGOV
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**Management Unit
3200**

Parramatta Archaeological Management Unit 3201	Argyle Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3202	8-10 Pitt Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3203	20 Pitt Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3204	Pitt Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3205	Pitt Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3206	Argyle Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3207	Campbell Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3208	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3209	38 Charles Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3210	34, 36, 36A Charles Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3211	Marsden Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3212	Charles Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3213	Harris Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological	Union Street	Parramatta	Parramatta	LGOV
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**Management Unit
3214**

Parramatta Archaeological Management Unit 3215	Macquarie Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3216	Victoria Road	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3217	Sorrell Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3218	Lamont Parade	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3219	New Zealand Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3220	10 New Zealand Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3222	Sorrell Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3223	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3224	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3225	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3226	Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3227	Sorrell Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3228	41a, 43 Thomas Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological	Church Street	Parramatta	Parramatta	LGOV
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**Management Unit
3229**

Parramatta Archaeological Management Unit 3230	Ross Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3231	8 Victoria Road	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3232	Grose Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3233	Fennell Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3234	O'Connell Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3235	Market Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3236	126-134 Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3237	39 Campbell Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3239	Parramatta Park	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3240	104-112 Church Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3241	Wentworth Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3242	Fitzwilliam Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological Management Unit 3243	Argyle Street	Parramatta	Parramatta	LGOV
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Parramatta Archaeological	Wentworth Street	Parramatta	Parramatta	LGOV
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Management Unit 3244				
Parramatta Archaeological Management Unit 3245	Argyle Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3246	Church Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3247	Parramatta Park	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3248	Anderson Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3249	30 Cowper Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3250	25-35 Cowper Street	Parramatta	Parramatta	LGOV
Parramatta Archaeological Management Unit 3251	7-9 Cowper Street	Parramatta	Parramatta	LGOV
Parramatta Dam Archaeological Site	Weir Marsden Street	Parramatta	Parramatta	LGOV
Parramatta District Hospital	GEORGE STREET	PARRAMATTA	Parramatta	SGOV
Parramatta Gaol	73 O'Connell Street	Parramatta	Parramatta	LGOV
Parramatta Girls' Training School	1a,1b,1c Fleet Street	Parramatta	Parramatta	LGOV
Parramatta House and potential archaeological site	243, 245, 247 Church Street	Parramatta	Parramatta	LGOV
Parramatta Railway Station	3 Darcy Stree	Parramatta	Parramatta	LGOV
Parramatta Regional Park	O'Connell Street	Parramatta	Parramatta	LGOV
Parramatta River Weir	O'CONNELL STREET	PARRAMATTA	Parramatta	SGOV
Parramatta Station Group		Parramatta	Parramatta	SGOV
Pendle Hill Footbridge	At Station	Pendle Hill	Parramatta	SGOV

Perth House and stables and potential archaeological site	85 George Street	Parramatta	Parramatta	LGOV
Potential Archaeological Sites	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Pre-fabricated cottages	101, 105 Adderton Road	Carlingford	Parramatta	LGOV
Produce Store (former)	54 Railway Street	Wentworthville	Parramatta	LGOV
Pumping Station	41 Grand Avenue	Camellia	Parramatta	LGOV
Quarry (former)	31a Alexander Street	Dundas	Parramatta	LGOV
Quarry face	Burnham Place (off)	North Parramatta	Parramatta	LGOV
Queens Wharf Reserve and stone wall and potential archaeological site	George Street	Parramatta	Parramatta	LGOV
R E Tebbutt Lodge	40A Stewart Street	Dundas	Parramatta	LGOV
Railway Station	213 Victoria Road	Rydalmere	Parramatta	LGOV
Rapanea Community Forest	34 Brand Avenue	Dundas	Parramatta	LGOV
Recreational Hall and Chapel	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Redcoats Mess House and potential archaeological site	Horwood Place	Parramatta	Parramatta	LGOV
Redstone (The Winter House)	34 Adderton Road	Dundas	Parramatta	LGOV
Reference Library and Museum	O'CONNELL STREET	PARRAMATTA	Parramatta	SGOV
Reid Home - Burnside Homes Group	59 Pennant Hills Road	Oatlands / Nth Parramatta	Parramatta	LGOV
Remnant bushland	70a Honiton Avenue	Carlingford	Parramatta	LGOV
Residence	1 Gladstone Street	North Parramatta	Parramatta	LGOV
Residence	172 William Street	Granville	Parramatta	LGOV
Residence	174 William Street	Granville	Parramatta	LGOV
Residence	178 William Street	Granville	Parramatta	LGOV

Residence	76 O'Connell Street	North Parramatta	Parramatta	LGOV
Residence	47 Gladstone Street	North Parramatta	Parramatta	LGOV
Residence	176 William Street	Granville	Parramatta	LGOV
Residential flats and houses	200-220 George Street	Harris Park	Parramatta	LGOV
Residential flats and houses	1-19 Noller Parade	Harris Park	Parramatta	LGOV
River Terraces	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Riverview Nursery	736 Victoria Road	Ermington	Parramatta	LGOV
Robin Thomas Reserve (archaeological site)	109 Harrris Street	Harris Park	Parramatta	LGOV
Roman Catholic Cemetery	502 Church Street	North Parramatta	Parramatta	LGOV
Roman Catholic Church	2 Myrtle Street	Rydalmere	Parramatta	LGOV
Rose & Crown Hotel and potential archaeological site	11 Victoria Road	Parramatta	Parramatta	LGOV
Rose Farm House	17-19 Honor Street	Ermington	Parramatta	LGOV
Rose Farm Wharf	1 Spurway Street (off)	Ermington	Parramatta	LGOV
Rosehill Footbridge	At Station	Rosehill	Parramatta	SGOV
Rosehill Hotel	91 Parramatta Road	Granville	Parramatta	LGOV
Rosehill Public School	Prospect Street	Harris Park	Parramatta	LGOV
Roxy Cinema	69 George Street	Parramatta	Parramatta	LGOV
Royal Hotel	16-20 South Street	Granville	Parramatta	LGOV
Royal Oak Hotel and Stables and potential archaeological site	387 Church Street	Parramatta	Parramatta	LGOV
RTA Depot	4a James Ruse Drive	Rosehill	Parramatta	LGOV
Rural Bank (former)	16 George Street	Parramatta	Parramatta	LGOV
Rydalmere Hospital		Rydalmere	Parramatta	LGOV
Rydalmere Hospital - Boat House	Rydalmere Avenue	Rydalmere	Parramatta	SGOV
Rydalmere				

Hospital - Building 1	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 100	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 105	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 108	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 114	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 12	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 14	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 15	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 18	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 2	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 20	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 21	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 34	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 36	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 38	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 44	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 47	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 5	Victoria Road	Rydalmere	Parramatta	SGOV

Rydalmere Hospital - Building 52	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 59	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 6	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 66	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 73	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 74	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 75	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 76	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 79	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 82	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 89	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 92	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 93	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Building 97	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Chief Attendant's Cottage	Rydalmere Avenue	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Landscape	Victoria Road	Rydalmere	Parramatta	SGOV
Rydalmere Hospital - Stone Bridge	Victoria Road	Rydalmere	Parramatta	SGOV
Saint Olivers Roman Catholic	33-35 Wigram Street	Harris Park	Parramatta	LGOV

Church & School

Sandstone and brick wall	286-290 (rear) Church Street	Parramatta	Parramatta	LGOV
Sandstone and brick wall	292 (rear) Church Street	Parramatta	Parramatta	LGOV
Sandstone Blocks	Morton Street	Parramatta	Parramatta	LGOV
Santa Rosa	182 Windsor Road	Winston Hills	Parramatta	LGOV
School of Arts (former)	12 Good Street	Granville	Parramatta	LGOV
Schoolmaster's residence	395 Victoria Road	Rydalmere	Parramatta	LGOV
Scout Hall	1A Glen Street	Granville	Parramatta	LGOV
Scout Hut	6 Vineyard Street	Rydalmere	Parramatta	LGOV
Semi-detached cottage	24 Short Street	Parramatta	Parramatta	LGOV
Semi-detached cottage	22 Short Street	Parramatta	Parramatta	LGOV
Semi-detached cottages	23, 25 Hassall Street	Harris Park	Parramatta	LGOV
Semi-detached cottages	43, 45 Grimwood Street	Granville	Parramatta	LGOV
Semi-detached cottages	41, 43 Lansdowne Street	South Parramatta	Parramatta	LGOV
Semi-detached cottages	49, 51 Lansdowne Street	South Parramatta	Parramatta	LGOV
Semi-detached cottages	23, 25 Wright Street	Granville	Parramatta	LGOV
Semi-detached cottages group	14,16,18,20 Cohen Street	Granville	Parramatta	LGOV
Semi-detached dwellings	21-23 East Street	Parramatta	Parramatta	LGOV
Sewage Pumping Station No 67 (SP0067)	Grand Avenue East	Camellia	Parramatta	SGOV
Shell Oil Refinery Wharf	Duck River	Rosehill	Parramatta	GAZ
Sherbrooke	4 Rosehill Street	South Parramatta	Parramatta	LGOV
Shop	18 Calder Road	Dundas	Parramatta	LGOV
Shop	446 Church Street	Parramatta	Parramatta	LGOV
Shop	87 Argyle Street	Parramatta	Parramatta	LGOV
Shop	138 Church Street	Parramatta	Parramatta	LGOV
Shop	83 Argyle Street	Parramatta	Parramatta	LGOV
Shop	89,91 Argyle Street	Parramatta	Parramatta	LGOV

Shop	253 Church Street	Parramatta	Parramatta	LGOV
Shop	255 Church Street	Parramatta	Parramatta	LGOV
Shop (former)	8 Factory Street	Granville	Parramatta	LGOV
Shop and dwelling (former)	15 Abbott Street	Granville	Parramatta	LGOV
Shop and office and potential archaeological site	88-92 George Street	Parramatta	Parramatta	LGOV
Shop and potential archaeological site	197 Church Street	Parramatta	Parramatta	LGOV
Shop and potential archaeological site	257, 259, 261 Church Street	Parramatta	Parramatta	LGOV
Shop and potential archaeological site	267 Church Street	Parramatta	Parramatta	LGOV
Shop and potential archaeological site	269 Church Street	Parramatta	Parramatta	LGOV
Shop and potential archaeological site	300 Church Street	Parramatta	Parramatta	LGOV
Shop and potential archaeological site	273 Church Street	Parramatta	Parramatta	LGOV
Shop/office and potential archaeological site	279 Church Street	Parramatta	Parramatta	LGOV
Shops	93, 95 Argyle Street	Parramatta	Parramatta	LGOV
Shops	57 Good Street	Granville	Parramatta	LGOV
Shops	82, 84, 86, 88 South Street	Granville	Parramatta	LGOV
Shops and offices	263, 265 Church Street	Parramatta	Parramatta	LGOV
Shops and potential archaeological site	45 George Street	Parramatta	Parramatta	LGOV
Shops and potential archaeological site	275-277 Church Street	Parramatta	Parramatta	LGOV
Short Street Group	2, 4, 6 Short Street	Wentworthville	Parramatta	LGOV
Signals Hall, Army Signal Corps - The	272 Kissing Point Road	Dundas	Parramatta	LGOV

White House

Silverwater Bridge	Silverwater Road	Ermington	Parramatta	LGOV
Single storey cottage	11a Betts Street	East Parramatta	Parramatta	LGOV
Single storey cottage	20 Marion Street	Parramatta	Parramatta	LGOV
Single storey cottage	8 Brickfield Street	East Parramatta	Parramatta	LGOV
Single storey cottage	22 Station Street East	Harris Park	Parramatta	LGOV
Single storey house	24 Wattle Street	Rydalmere	Parramatta	LGOV
Single storey residence	25 A'Beckett Street	Granville	Parramatta	LGOV
Single storey residence	12 Albert Street	Granville	Parramatta	LGOV
Single storey residence	30 Albert Street	North Parramatta	Parramatta	LGOV
Single storey residence	46 Albert Street	North Parramatta	Parramatta	LGOV
Single storey residence	52 Albert Street	North Parramatta	Parramatta	LGOV
Single storey residence	7 Bellevue Street	North Parramatta	Parramatta	LGOV
Single storey residence	9 Bellevue Street	North Parramatta	Parramatta	LGOV
Single storey residence	19 Buller Street	East Parramatta	Parramatta	LGOV
Single storey residence	40 Calder Road	Dundas	Parramatta	LGOV
Single storey residence	92 Calder Road	Dundas	Parramatta	LGOV
Single storey residence	3 Cambridge Street	Harris Park	Parramatta	LGOV
Single storey residence	40 Cowper Street	Granville	Parramatta	LGOV
Single storey residence	65 Cowper Street	Granville	Parramatta	LGOV
Single storey residence	4 Crown Street	Harris Park	Parramatta	LGOV
Single storey residence	5 Crown Street	Harris Park	Parramatta	LGOV
Single storey residence	8 Crown Street	Harris Park	Parramatta	LGOV
Single storey residence	11 Daniel Street	Granville	Parramatta	LGOV

Single storey residence	32 Elizabeth Street	Granville	Parramatta	LGOV
Single storey residence	2 Fennell Street	Parramatta	Parramatta	LGOV
Single storey residence	16 Fennell Street	Parramatta	Parramatta	LGOV
Single storey residence	58 Fennell Street	Parramatta	Parramatta	LGOV
Single storey residence	61 Good Street	Granville	Parramatta	LGOV
Single storey residence	6 Grose Street	Parramatta	Parramatta	LGOV
Single storey residence	10 Grose Street	Parramatta	Parramatta	LGOV
Single storey residence	12 Grose Street	Parramatta	Parramatta	LGOV
Single storey residence	20 Grose Street	Parramatta	Parramatta	LGOV
Single storey residence	22 Grose Street	Parramatta	Parramatta	LGOV
Single storey residence	2 Harold Street	Parramatta	Parramatta	LGOV
Single storey residence	4 Hewlett Street	Granville	Parramatta	LGOV
Single storey residence	8 Hewlett Street	Granville	Parramatta	LGOV
Single storey residence	65 High Street	South Parramatta	Parramatta	LGOV
Single storey residence	24 Hutchinson Street	Granville	Parramatta	LGOV
Single storey residence	10 Isabella Street	North Parramatta	Parramatta	LGOV
Single storey residence	25 Isabella Street	North Parramatta	Parramatta	LGOV
Single storey residence	30 Jamieson Street	Granville	Parramatta	LGOV
Single storey residence	75 Kirby Street	Dundas	Parramatta	LGOV
Single storey residence	311 Kissing Point Road	Dundas	Parramatta	LGOV
Single storey residence	24 Margaret Street	Granville	Parramatta	LGOV
Single storey residence	11 Marion Street	Parramatta	Parramatta	LGOV
Single storey residence	72 Park Road	Rydalmere	Parramatta	LGOV
Single storey residence	122 Park Road	Dundas	Parramatta	LGOV

Single storey residence	12 Prospect Street	Harris Park	Parramatta	LGOV
Single storey residence	23 Prospect Street	Harris Park	Parramatta	LGOV
Single storey residence	14 Ross Street	Parramatta	Parramatta	LGOV
Single storey residence	52 Sorrell Street	Parramatta	Parramatta	LGOV
Single storey residence	60 Sorrell Street	Parramatta	Parramatta	LGOV
Single storey residence	63 Sorrell Street	North Parramatta	Parramatta	LGOV
Single storey residence	64 Sorrell Street	North Parramatta	Parramatta	LGOV
Single storey residence	68a Sorrell Street	North Parramatta	Parramatta	LGOV
Single storey residence	70 Sorrell Street	North Parramatta	Parramatta	LGOV
Single storey residence	75 Sorrell Street	North Parramatta	Parramatta	LGOV
Single storey residence	76 Sorrell Street	North Parramatta	Parramatta	LGOV
Single storey residence	77 Sorrell Street	North Parramatta	Parramatta	LGOV
Single storey residence	80 Sorrell Street	North Parramatta	Parramatta	LGOV
Single storey residence	82 Sorrell Street	North Parramatta	Parramatta	LGOV
Single storey residence	90 Sorrell Street	North Parramatta	Parramatta	LGOV
Single storey residence	28 The Avenue	Granville	Parramatta	LGOV
Single storey residence	42 The Avenue	Granville	Parramatta	LGOV
Single storey residence	58 The Avenue	Granville	Parramatta	LGOV
Single storey residence	74 The Avenue	Granville	Parramatta	LGOV
Single storey residence	83 The Avenue	Granville	Parramatta	LGOV
Single storey residence	85 The Avenue	Granville	Parramatta	LGOV
Single storey residence	20 Victoria Street	Granville	Parramatta	LGOV
Single storey residence	1 Villiers Street	Parramatta	Parramatta	LGOV
Single storey	3 Villiers Street	Parramatta	Parramatta	LGOV

residence

Single storey residence	27 Villiers Street	North Parramatta	Parramatta	LGOV
Single storey residence	30 Walter Street	Granville	Parramatta	LGOV
Single storey residence	79 Weston Street	Harris Park	Parramatta	LGOV
Single storey residence	93,95,97,99,101,103 Wigram Street	Harris Park	Parramatta	LGOV
Single storey residence	152 William Street	Granville	Parramatta	LGOV
Single storey residence	15 Woodville Road	Granville	Parramatta	LGOV
Single storey residence	37 Wigram Steet	Harris Park	Parramatta	LGOV
Single storey residence	22 Crown Street	Harris Park	Parramatta	LGOV
Single storey residence	31 Marion Street	Parramatta	Parramatta	LGOV
Single storey residence	22 Albert Street	North Parramatta	Parramatta	LGOV
Single storey residence	55 Cowper Street	Granville	Parramatta	LGOV
Single storey residence	7 Daniel Street	Granville	Parramatta	LGOV
Single storey residence	9 Daniel Street	Granville	Parramatta	LGOV
Single storey residence	400 Kissing Point Road	Ermington	Parramatta	LGOV
Single storey residence	5 Margaret Street	Granville	Parramatta	LGOV
Single storey residence	10 Murdoch Street	Ermington	Parramatta	LGOV
Single storey residence	12 Murdoch Street	Ermington	Parramatta	LGOV
Single storey residence	11 Prince Street	North Parramatta	Parramatta	LGOV
Single storey residence	56 Sorrell Street	North Parramatta	Parramatta	LGOV
Single storey residence	11 Walter Street	Granville	Parramatta	LGOV
Single storey residence	28 Walter Street	Granville	Parramatta	LGOV
Single storey residence	1, 3 Ada Street	Harris Park	Parramatta	LGOV
Single storey residence	32 Albert Street	North Parramatta	Parramatta	LGOV

Single storey residence	22 Bowden Street	Harris Park	Parramatta	LGOV
Single storey residence	14 Brisbane Street	Harris Park	Parramatta	LGOV
Single storey residence	29 Buller Street	North Parramatta	Parramatta	LGOV
Single storey residence	53 Calder Road	Dundas	Parramatta	LGOV
Single storey residence	1 Cambridge Street	Harris Park	Parramatta	LGOV
Single storey residence	5 Cambridge Street	Harris Park	Parramatta	LGOV
Single storey residence	60 Cowper Street	Granville	Parramatta	LGOV
Single storey residence	62 Cowper Street	Granville	Parramatta	LGOV
Single storey residence	2 Crown Street	Harris Park	Parramatta	LGOV
Single storey residence	7 Crown Street	Harris Park	Parramatta	LGOV
Single storey residence	10 Crown Street	Harris Park	Parramatta	LGOV
Single storey residence	4 Fennell Street	Parramatta	Parramatta	LGOV
Single storey residence	9 Fennell Street	Parramatta	Parramatta	LGOV
Single storey residence	11 Fennell Street	Parramatta	Parramatta	LGOV
Single storey residence	12 Fennell Street	Parramatta	Parramatta	LGOV
Single storey residence	18 Fennell Street	Parramatta	Parramatta	LGOV
Single storey residence	19 Fennell Street	Parramatta	Parramatta	LGOV
Single storey residence	21 Fennell Street	Parramatta	Parramatta	LGOV
Single storey residence	24 Fennell Street	Parramatta	Parramatta	LGOV
Single storey residence	7 Galloway Street	North Parramatta	Parramatta	LGOV
Single storey residence	8 Grose Street	Parramatta	Parramatta	LGOV
Single storey residence	19 Grose Street	Parramatta	Parramatta	LGOV
Single storey residence	32 Grose Street	Parramatta	Parramatta	LGOV
Single storey residence	46 Grose Street	Parramatta	Parramatta	LGOV

Single storey residence	54 Grose Street	Parramatta	Parramatta	LGOV
Single storey residence	80 Grose Street	East Parramatta	Parramatta	LGOV
Single storey residence	6 Hewlett Street	Granville	Parramatta	LGOV
Single storey residence	18 Hewlett Street	Granville	Parramatta	LGOV
Single storey residence	67 High Street	South Parramatta	Parramatta	LGOV
Single storey residence	8 Isabella Street	North Parramatta	Parramatta	LGOV
Single storey residence	12 Isabella Street	North Parramatta	Parramatta	LGOV
Single storey residence	17 Jamieson Street	Granville	Parramatta	LGOV
Single storey residence	53 John Street	Granville	Parramatta	LGOV
Single storey residence	26 Marion Street	Parramatta	Parramatta	LGOV
Single storey residence	8 Mary Street	Granville	Parramatta	LGOV
Single storey residence	72 O'Connell Street	North Parramatta	Parramatta	LGOV
Single storey residence	17 Prince Street	Granville	Parramatta	LGOV
Single storey residence	25 Prospect Street	Harris Park	Parramatta	LGOV
Single storey residence	2 Queen Street	Granville	Parramatta	LGOV
Single storey residence	62 Railway Parade	Granville	Parramatta	LGOV
Single storey residence	70 Railway Parade	Granville	Parramatta	LGOV
Single storey residence	59 Ross Street	Parramatta	Parramatta	LGOV
Single storey residence	44 Sorrell Street	Parramatta	Parramatta	LGOV
Single storey residence	50 Sorrell Street	Parramatta	Parramatta	LGOV
Single storey residence	66 Sorrell Street	North Parramatta	Parramatta	LGOV
Single storey residence	72 Sorrell Street	North Parramatta	Parramatta	LGOV
Single storey residence	78 Sorrell Street	North Parramatta	Parramatta	LGOV
Single storey	14 Spring Garden Street	Granville	Parramatta	LGOV

residence

Single storey residence	7 Station Street West	Harris Park	Parramatta	LGOV
Single storey residence	48 Station Street East	Harris Park	Parramatta	LGOV
Single storey residence	60 The Avenue	Granville	Parramatta	LGOV
Single storey residence	66 The Avenue	Granville	Parramatta	LGOV
Single storey residence	4 Walter Street	Granville	Parramatta	LGOV
Single storey residence	32 Walter Street	Granville	Parramatta	LGOV
Single storey residence	87 Weston Street	Harris Park	Parramatta	LGOV
Single storey residence	48 Wigram Street	Harris Park	Parramatta	LGOV
Single storey residence	83,85,87,89 Wigram Street	Harris Park	Parramatta	LGOV
Single storey residence	123 William Street	Granville	Parramatta	LGOV
Single storey residence	64 Windsor Road	Northmead	Parramatta	LGOV
Single storey residence	28 Marion Street	Harris Park	Parramatta	LGOV
Single storey residence	29 Marion Street	Harris Park	Parramatta	LGOV
Single storey residence	37 Marion Street	Harris Park	Parramatta	LGOV
Single storey residence	77 Weston Street	Harris Park	Parramatta	LGOV
Single storey residence	85 Weston Street	Harris Park	Parramatta	LGOV
Single storey residence	22A Cowells Lane	Ermington	Parramatta	LGOV
Single storey residence	57 Cowper Street	Granville	Parramatta	LGOV
Single storey residence	19 East Street	Parramatta	Parramatta	LGOV
Single storey residence	8 Florrie Street	Granville	Parramatta	LGOV
Single storey residence	20 Hewlett Street	Granville	Parramatta	LGOV
Single storey residence	21 Hewlett Street	Granville	Parramatta	LGOV
Single storey residence	23 Hewlett Street	Granville	Parramatta	LGOV

Single storey residence	66 Kirby Street	Dundas	Parramatta	LGOV
Single storey residence	473 Kissing Point Road	Ermington	Parramatta	LGOV
Single Storey residence	8 Margaret Street	Granville	Parramatta	LGOV
Single storey residence	5 Prince Street	Granville	Parramatta	LGOV
Single storey residence	7 Prince Street	Granville	Parramatta	LGOV
Single storey residence	9 Prince Street	Granville	Parramatta	LGOV
Single storey residence	26 Walter Street	Granville	Parramatta	LGOV
Single storey residence & electricity substation	16,18 Crown Street	Harris Park	Parramatta	LGOV
Single storey residence and potential archaeological site	44 Grose Street	Parramatta	Parramatta	LGOV
Single storey residence and potential archaeological site	2 Ross Street	Parramatta	Parramatta	LGOV
Single storey residence and potential archaeological site	495 Church Street	North Parramatta	Parramatta	LGOV
Single storey residence and potential archaeological site	30 Elizabeth Street	Parramatta	Parramatta	LGOV
Single storey residences	78-86 Marsden Street	Parramatta	Parramatta	LGOV
Single storey residences	44, 46, 48, 50 Marsden Street	South Parramatta	Parramatta	LGOV
Single storey residences	10 Walter Street	Granville	Parramatta	LGOV
Single storey shop	105 Wigram Street	Harris Park	Parramatta	LGOV
Single storey terrace	53, 55, 57, 59, 61 Victoria Street	Granville	Parramatta	LGOV
Single-storey bungalow	34 Weston Street	Harris Park	Parramatta	LGOV
Single-storey residence	33 Elder Road	Dundas	Parramatta	LGOV

Single-storey residence	25 Station Street	Dundas	Parramatta	LGOV
Single-storey residence	36 The Avenue	Granville	Parramatta	LGOV
Single-storey residence	154a Marsden Road	Dundas	Parramatta	LGOV
Single-storey residence	27 Station Street	Dundas	Parramatta	LGOV
Sorrell Street Conservation Area	Refer to map	Parramatta	Parramatta	LGOV
South Parramatta Conservation Area	Refer to map	Parramatta	Parramatta	LGOV
Spanish Mission House	208 Windsor Road	Northmead	Parramatta	LGOV
Sports Oval Formation	O'CONNELL STREET	PARRAMATTA	Parramatta	SGOV
Spurway Street Wharf	1 Spurway Street (end)	Ermington	Parramatta	LGOV
St Andrew's Uniting Church and Hall (former) and potential arch. Site	2 Phillip Street	Parramatta	Parramatta	LGOV
St Andrew's Uniting Church Hall	7 (rear) St Andrews Place	Dundas	Parramatta	LGOV
St George's Terrace and potential archaeological site	44,46,48,50,52,54,56 Phillip Street	Parramatta	Parramatta	LGOV
St John's Anglican Cemetery	1 O'Connell Street	Parramatta	Parramatta	LGOV
St John's Parish Hall	40 Hunter Street	Parramatta	Parramatta	LGOV
St John's Pro-Cathedral	195 Church Street	Parramatta	Parramatta	LGOV
St Mark's Anglican Church	39 Jamieson Street	Granville	Parramatta	LGOV
St Mark's Anglican Church	471 Kissing Point Road	Ermington	Parramatta	LGOV
St Mark's Hall	39 Jamieson Street	Granville	Parramatta	LGOV
St Mark's Rectory	39 Jamieson Street	Granville	Parramatta	LGOV
St Mary's Anglican Church Group	246a Guildford Road	Guildford	Parramatta	LGOV
St Mons	41 Weston Street	Harris Park	Parramatta	LGOV

St Patrick's Roman Catholic Cemetery	Church Street	North Parramatta	Parramatta	GAZ
St Patrick's Roman Catholic Church, Presbytery & precinct	1 Marist Place	North Parramatta	Parramatta	LGOV
St Paul's Anglican Church	11 Crown Street	Harris Park	Parramatta	LGOV
St Paul's Anglican Church Cemetery	233 Marsden Road	Carlingford	Parramatta	LGOV
St Peter's Uniting Church and potential archaeological site	356 Church Street	Parramatta	Parramatta	LGOV
Stable and potential archaeological site	423 Church Street	Parramatta	Parramatta	LGOV
Staff Dining Room	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Stationmaster's residence	213 Victoria Road	Rydalmere	Parramatta	LGOV
Steam tram (former)	O'Connell Street	Parramatta	Parramatta	LGOV
Stone Bridge	118,120 (near) The Avenue	Granville	Parramatta	LGOV
Stone bridge, Cox's Reserve	74 (at rear) Honiton Avenue	Carlingford	Parramatta	LGOV
Stone cottage	45 Belmore Street	North Parramatta	Parramatta	LGOV
Stone cottage	28 Seville Street	North Parramatta	Parramatta	LGOV
Stone Cottage	187 Marsden Road	Dundas	Parramatta	LGOV
Stone Cottage	24 Nobbs Street	Granville	Parramatta	LGOV
Stone cottage	4 Dunlop Street	North Parramatta	Parramatta	LGOV
Stone cottage	6 Iron Street	North Parramatta	Parramatta	LGOV
Stone cottage	176 Windsor Road	Winston Hills	Parramatta	LGOV
Stone cottages	15, 17 Bennalong Street	Granville	Parramatta	LGOV
Stone edging to carriageway	Tennyson Street (east end)	East Parramatta	Parramatta	LGOV
Stone edging to road carriageway	Stewart Street	East Parramatta	Parramatta	LGOV
Stone fence	Fleet Street (east side)	North Parramatta	Parramatta	LGOV

Stone Fence Post - adj. to fence of no. 62	64 Honiton Avenue West	Carlingford	Parramatta	LGOV
Stone kerb & gutter	Dunlop Street (west arm)	North Parramatta	Parramatta	LGOV
Stone kerb and gutter	West Arm Albert Street	North Parramatta	Parramatta	LGOV
Stone kerbing and tree planting	62-79 Fleet Street (both sides)	North Parramatta	Parramatta	LGOV
Stone marker only	128 Railway Street	Parramatta	Parramatta	GAZ
Stone wall	Morton Street (end)	East Parramatta	Parramatta	LGOV
Store (former)	123 Good Street	Harris Park	Parramatta	LGOV
Studio Theatre and potential archaeological site	2 Palmer Street	Parramatta	Parramatta	LGOV
Subiaco archaeological site	40 Brodie Street	Rydalmere	Parramatta	LGOV
Substation No. 1	178 Parramatta Road	Granville	Parramatta	LGOV
Swift's House	36 Bolton Street	Guildford	Parramatta	LGOV
T. C. Barker & Son Pottery	3-5 A'Beckett Street	Granville	Parramatta	LGOV
Talbot Road Precinct	11-23,12-24 Talbot Road	Guildford	Parramatta	LGOV
Tara	153 George Street	Parramatta	Parramatta	LGOV
Telstra House and potential archaeological site	213 Church Street	Parramatta	Parramatta	LGOV
Terrace	36, 38, 40 Station Street East	Harris Park	Parramatta	LGOV
Terrace Houses	6, 8, 10, 12 Ada Street	Harris Park	Parramatta	LGOV
Terrace housing	5-23 Arthur Street	Granville	Parramatta	LGOV
Terrace housing	6, 8, 10, 12, 14 Jamieson Street	Granville	Parramatta	LGOV
The Ha Ha's	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Timber cottage	27 Buller Street	East Parramatta	Parramatta	LGOV
Timber cottage	30 Galloway Street	North Parramatta	Parramatta	LGOV
Timber cottage	28 Iron Street	North Parramatta	Parramatta	LGOV
Timber cottage	2 Union Street	Eastwood	Parramatta	LGOV
Timber Cottage	24 Angus Avenue	Epping	Parramatta	LGOV
Timber Cottage	34 Crimea Street	Parramatta	Parramatta	LGOV

Timber Cottage	62 Fennell Street	Parramatta	Parramatta	LGOV
Timber Cottage	34 Gladstone Street	North Parramatta	Parramatta	LGOV
Timber Cottage	228 Pennant Hills Road	Carlingford	Parramatta	LGOV
Timber Cottage	64 Ross Street	Parramatta	Parramatta	LGOV
Timber Cottage	8 Short Street	Parramatta	Parramatta	LGOV
Timber Cottage	10 Short Street	Parramatta	Parramatta	LGOV
Timber Cottage	18 Short Street	Parramatta	Parramatta	LGOV
Timber Cottage	472 Victoria Road	Rydalmere	Parramatta	LGOV
Timber cottage	30 Hassall Street	Harris Park	Parramatta	LGOV
Timber cottage	34 Inkerman Street	South Parramatta	Parramatta	LGOV
Timber cottage	205 Marsden Road	Carlingford	Parramatta	LGOV
Timber cottage	80 Ross Street	East Parramatta	Parramatta	LGOV
Timber cottage	16 Seville Street	North Parramatta	Parramatta	LGOV
Timber Cottage	36 Prince Street	North Parramatta	Parramatta	LGOV
Timber Cottage	20 Short Street	Parramatta	Parramatta	LGOV
Timber Cottage	42 Sorrell Street	North Parramatta	Parramatta	LGOV
Timber cottage group	115, 117, 119 William Street	Granville	Parramatta	LGOV
Timber cottages	105, 107 Good Street	Granville	Parramatta	LGOV
Timber cottages	22, 24, 26, 28 Galloway Street	North Parramatta	Parramatta	LGOV
Timber cottages	2, 4, 6, 8, 10 Purchase Street	Harris Park	Parramatta	LGOV
Timber cottages	15, 17 Seville Street	North Parramatta	Parramatta	LGOV
Timber cottages	114, 116 Windsor Road	Northmead	Parramatta	LGOV
Timber house	32 Tomah Street	Carlingford	Parramatta	LGOV
Timber house	33 Tomah Street	Carlingford	Parramatta	LGOV
Tintern	33 Tintern Avenue	Telopea	Parramatta	LGOV
Toongabbie convict settlement archaeological site	Oakes Road	Old Toongabbie	Parramatta	LGOV
Toongabbie Creek	49d Hammers Road	Northmead	Parramatta	LGOV
Toongabbie Public School	59 Fitzwilliam Road	Toongabbie	Parramatta	LGOV

Town Hall and potential archaeological site	182 Church Street	Parramatta	Parramatta	LGOV
Tralee Gardens Preschool Centre	10 Fryer Avenue	Wentworthville	Parramatta	LGOV
Tram alignment	Grand Avenue	Rosehill	Parramatta	LGOV
Tramway pier (former)	1a - 1b (off) Redbank Road	Northmead	Parramatta	LGOV
Transpact	2 Boundary Road	Northmead	Parramatta	LGOV
Travellers Rest Inn Group and potential archaeological site	12,14,16 O'Connell Street	Parramatta	Parramatta	LGOV
Trees in median strip	167 (opp) George Street	Harris Park	Parramatta	LGOV
Tron Kirk, The	215 The Trongate	Granville	Parramatta	LGOV
Trongate Victorian Group, The	90-102, 106 The Trongate	Granville	Parramatta	LGOV
Truganini House	38 South Street	Rydalmere	Parramatta	LGOV
Tuena	14 Margaret Street	Granville	Parramatta	LGOV
Two Dormitory Block	O'CONNELL STREET	PARRAMATTA	Parramatta	SGOV
Two storey conjoined residences	38-40 Sorrell Street	Parramatta	Parramatta	LGOV
Two storey residence	29 Jamieson Street	Granville	Parramatta	LGOV
Two storey residence	62 Prospect Street	Harris Park	Parramatta	LGOV
Two storey residence	53 Sorrell Street	Parramatta	Parramatta	LGOV
Two storey residence	5 Galloway Street	North Parramatta	Parramatta	LGOV
Two storey residence	144 Good Street	Harris Park	Parramatta	LGOV
Two storey residence	42 High Street	Parramatta	Parramatta	LGOV
Two storey residence	41 Hunter Street	Parramatta	Parramatta	LGOV
Two storey residence	40 Jamieson Street	Granville	Parramatta	LGOV
Two storey residence	60 Prospect Street	Rose Hill	Parramatta	LGOV
Two storey residence	1 Station Street West	Harris Park	Parramatta	LGOV

Two storey residence	38 Marion Street	Parramatta	Parramatta	LGOV
Two storey residence	7 Brisbane Street	Parramatta	Parramatta	LGOV
Two timber cottages	2, 4 Ada Street	Harris Park	Parramatta	LGOV
Two-storey residence	2 Stewart Street	Dundas	Parramatta	LGOV
Ulvers Isle	15 Buller Street	East Parramatta	Parramatta	LGOV
Uniting Church	203 Marsden Road	Carlingford	Parramatta	LGOV
Uniting Church	104 South Street	Granville	Parramatta	LGOV
University of Western Sydney	6a Hawkesbury Road	Westmead	Parramatta	LGOV
Upjohn House	59 Kirby Street	Dundas	Parramatta	LGOV
Veterinary Surgery	41 Great Western Highway	Parramatta	Parramatta	LGOV
Victorian cottage	45 Eleanor Street	Rosehill	Parramatta	LGOV
Victorian Cottage	25 Reid Street	Granville	Parramatta	LGOV
Victorian cottage	102 James Ruse Drive	Rosehill	Parramatta	LGOV
Victorian cottage	6 Prince Street	North Parramatta	Parramatta	LGOV
Victorian cottage	12 York Street	Oatlands	Parramatta	LGOV
Victorian House	98 Kissing Point Road	Dundas	Parramatta	LGOV
Victorian residence (in grounds of UWS)	6d Hawkesbury Road	Westmead	Parramatta	LGOV
Views	GEORGE STREET	PARRAMATTA	Parramatta	SGOV
Vineyard Creek and vegetated banks (natural area)	48-52 (off) Rock Farm Avenue	Dundas	Parramatta	LGOV
War Memorial Home	96 Pennant Hill Road	Oatlands	Parramatta	LGOV
Ward 12	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Warden's Cottage	195 (rear) Church Street	Parramatta	Parramatta	LGOV
Wards 9, 10 and 11	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Water Board Cottage	265 Marsden Road	Carlingford	Parramatta	LGOV
Water pipeline	579a Woodville Road	Guildford	Parramatta	LGOV
Water Tanks	263A Marsden Road	Carlingford	Parramatta	LGOV
Water Tanks	265 Marsden Road	Carlingford	Parramatta	LGOV

Wavertree	10 New Zealand Street	East Parramatta	Parramatta	LGOV
Weatherboard cottage	9 Trott Street	Parramatta	Parramatta	LGOV
Weatherboard cottage	4 Mobbs Lane	Carlingford	Parramatta	LGOV
Well	1 Spurway Street	Ermington	Parramatta	LGOV
Well	GEORGE STREET	PARRAMATTA	Parramatta	SGOV
Wendover	64 Railway Parade	Granville	Parramatta	LGOV
Wentworthville Footbridge	At Station	Wentworthville	Parramatta	SGOV
Wentworthville Station Group		Wentworthville	Parramatta	SGOV
Westmead (Station Only) Footbridge		Westmead	Parramatta	SGOV
Westmead Footbridge	At Station	Westmead	Parramatta	SGOV
Westpac Bank	264 Church Street	Parramatta	Parramatta	LGOV
Wetlands	Parramatta River	Camelia, Clyde, Rydalmere, Ermington	Parramatta	LGOV
Whiteoak	54 Albert Street	North Parramatta	Parramatta	LGOV
William Street Cottages Group	8, 10 William Street	Granville	Parramatta	LGOV
William Street Group	170 William Street	Granville	Parramatta	LGOV
Willmot Reserve	14A Willmot Avenue	Toongabbie	Parramatta	LGOV
Willmott's house	10 Bethel Street	Toongabbie	Parramatta	LGOV
Willow Grove and potential archaeological site	34 Phillip Street	Parramatta	Parramatta	LGOV
Wine Bar Bistro	16 Ross Street	Parramatta	Parramatta	LGOV
Wingello	55 Cross Street	Guildford	Parramatta	LGOV
Wisteria House	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Wisteria House Gardens	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Wisteria House Siteworks	HAINSWORTH STREET	PARRAMATTA	Parramatta	SGOV
Wisteria Lodge	36 Bungaree Road	Toongabbie	Parramatta	LGOV
Woodlands	1 Tintern Avenue	Teloopa	Parramatta	LGOV
Woodville Road, Granville	Concrete Bridge 0.9 Km Past Station	Granville	Parramatta	SGOV

Underbridge

Woolpack Hotel and potential archaeological site	19 George Street	Parramatta	Parramatta	LGOV
Wunderlich	10 Grand Avenue	Rosehill	Parramatta	LGOV
Wyralla Avenue Conservation Area	Refer to map	Epping	Parramatta	LGOV
Yareemumba	234 Windsor Road	Model Farms	Parramatta	LGOV
Yennora Footbridge	At Station	Yennora	Parramatta	SGOV
Young's Buildings	11, 13, 15, 17, 19 South Street	Granville	Parramatta	LGOV

There were **1298** records in this section matching your search criteria.

There was a total of **1363** records matching your search criteria.

Key:

LGA = Local Government Area

GAZ = NSW Government Gazette (statutory listings prior to 1997), HGA = Heritage Grant Application, HS = Heritage Study, LGOV = Local Government, SGOV = State Government Agency.

Note: The Heritage Office seeks to keep the State Heritage Inventory (SHI) up to date, however the latest listings in Local and Regional Environmental Plans (LEPs and REPs) may not yet be included. Always check with the relevant Local Council or Shire for the most recent listings.


[Contact us](#)
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[Related websites](#)

Sydney region

[Home](#) > [Environment](#) > [Heritage](#) > [Heritage and Conservation Register](#) > [Sydney region](#)

Sydney Region

Aerial Camera Equipment	4309002
Aerial Camera Negatives and Viewer	4309022
Automatic Level	4309011
Berowra Creek Bridge	4309509
Blaze Tree	4300718
Boundary Marker	4300731
Bridge No. 3 over Middle Creek	4309503
Bronze Bracketed Lanterns	4300730
Calliper Gauge Equipment	4309008
Circumferentor	4300715
Commemorative Key and Signatures	4309005
Continuous Thermometer	4309010
CTS 4 1/2 Inch Vernier Theodolite	4300716
Deadmans Creek Bridge	4309505
Decorative Glass Butter Dish	4300712
Deep Creek Bridge	4309504
Dial Gauge	4300725
Digital radar recorder	4309004
DMR Film Library	4300710
DMT Rosebery Plaque	4309018
Door	4309021
Draughting Machine	4300722
Drawing Equipment	4300720
Eastern Creek Bridge	4309513
ER Watts Abney Level	4300717
Fifty Link Gunter's Chain	4300714
Framed Notice	4309017
Framed Portrait Photo Series	4309029
Ganger's Timebook	4300705
Gasworks Bridge over Parramatta River	4301684
Gillespie's Land Surveying - Book	4300707
Gladesville Bridge	4300309
Glebe Island Bridge	4301666
Gwawley Bay Landscape Conservation Area	4309050
Handwritten Notebooks	4300706
Hawkesbury River Bridge	4309511
Historic Photographs	4309023
Honour Board	4309028
Honour Rolls	4302670
House - 164 Ramsay St, Haberfield	4301006
House - 46 Martin Street, Haberfield	4301007
House - Thalia	4309662
Interactive Model	4309016

In This Section

- [Hunter region](#)
- [Northern region](#)
- [South West region](#)
- [Southern region](#)
- [Sydney region](#)
- [Western region](#)

Iron Cove Bridge	4302673
Jerry Can	4309013
Knapsack Viaduct, Lapstone	4301012
Lansdowne Bridge	4301042
Laptop Computers	4309026
Lennox Bridge, Parramatta	4300301
Linen 'Flat' Plan No. 33	4300703
Linen 'Roll' Plan No. 434	4300702
Long Gully Bridge (Northbridge)	4309506
Main Roads Board Bench Mark	4300719
Milestone - 567A Great Western Highway	4300441
Milestone - Hume Highway	4302671
Milestone - Ponds Road and Bartholomews Place	4300419
Model of Main Bearing (Hinge) and Model of Bridge	4300713
Monroe Semi-Automatic Calculator	4300724
MRB Bench Mark Register	4300704
Multi-pen Chart Recorder	4309001
NSW Fire Brigades No 10 Vehicle Number Plates	4300736
Old Windsor Road, Seven Hills to Kellyville	4301011
Parallel Rule	4300721
Peach Tree Creek Bridge	4309507
Pearces Creek Bridge, Galston Gorge	4300009
Plant Tender Box	4300723
Queen Anne House, London Terrace, Enmore	4301041
Radar Speed Meter	4309019
Remains of Figtree Bridge	4301034
Remains of Wandella and garden, Hunters Hill	4301037
RTA Property Services Branch Collection	4300734
RTA Technical Services Branch Collection	4300732
Safety Equipment	4309006
Sandstone Kerbing - Great Western Hwy	4300493
Scale Model	4309015
SHB South-East Pylon Museum Collection	4300733
SHB Workshops Collection	4300735
Site of Figtree Tea Rooms & Aquatic Tea Rooms	4301035
Site of Figtree Wharf and Boatshed	4301036
Souvenir Menu	4300711
Spit Bridge, The	4300307
St Albans Bridge over MacDonald River	4300129
Staff Photograph	4300709
Stereoscope	4309007
Stone setting at 1929 Tom Ugly's Bridge, Sylvania	4301062
Stringy Bark Creek Bridge	4309502
Survey Sign	4309027
Surveying - Handbook	4300708
Surveyor's Drafting Equipment	4309009
Sydney Harbour Bridge Movable Heritage - CP	4309049
Sydney Harbour Bridge, approaches and viaducts	4301067
Tom Uglys Bridge over the Georges River	4301677
Tool Chest	4309012
Topographic Map	4309025
Traffic Light Lenses	4300729
Traffic Radar	4309003
Trophies and Memorabilia	4309014
Unwins Bridge over Cooks River	4301663
Victoria Bridge over Nepean River	4301653
West Ryde Bridge	4309510



Your reference : [Unknown]
Our reference : AHIMS #14589

RTA - Environment Technology/Parramatta
Po Box 3035
Parramatta NSW 2150

Tuesday, 20 December 2005

Attention: Alison Nash

Dear Sir or Madam:

Re: AHIMS Search for the following area at Bridge Over Duck River at Auburn/Granville;Paramatta Road.

I am writing in response to your recent inquiry in respect to Aboriginal objects and Aboriginal places registered with the NSW Department of Environment and Conservation (DEC) at the above location.

A search of the DEC Aboriginal Heritage Information Management System (AHIMS) has shown that 62 Aboriginal objects and Aboriginal places are recorded in or near the above location. Please refer to the attached report for details.

The information derived from the AHIMS search is only to be used for the purpose for which it was requested. It is not to be made available to the public.

The following qualifications apply to an AHIMS search:

- AHIMS only includes information on Aboriginal objects and Aboriginal places that have been provided to DEC;
- Large areas of New South Wales have not been the subject of systematic survey or recording of Aboriginal history. These areas may contain Aboriginal objects and other heritage values which are not recorded on AHIMS;
- Recordings are provided from a variety of sources and may be variable in their accuracy. When an AHIMS search identifies Aboriginal objects in or near the area it is recommended that the exact location of the Aboriginal object be determined by re-location on the ground; and
- The criteria used to search AHIMS are derived from the information provided by the client and DEC assumes that this information is accurate.

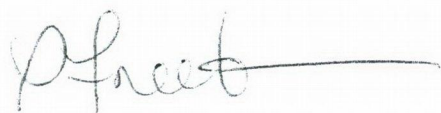
All Aboriginal places and Aboriginal objects are protected under the *National Parks and Wildlife Act 1974* (NPW Act) and it is an offence to destroy, damage or deface them without the prior consent of the DEC Director-General. An Aboriginal object is considered to be known if:

- It is registered on AHIMS;
- It is known to the Aboriginal community; or

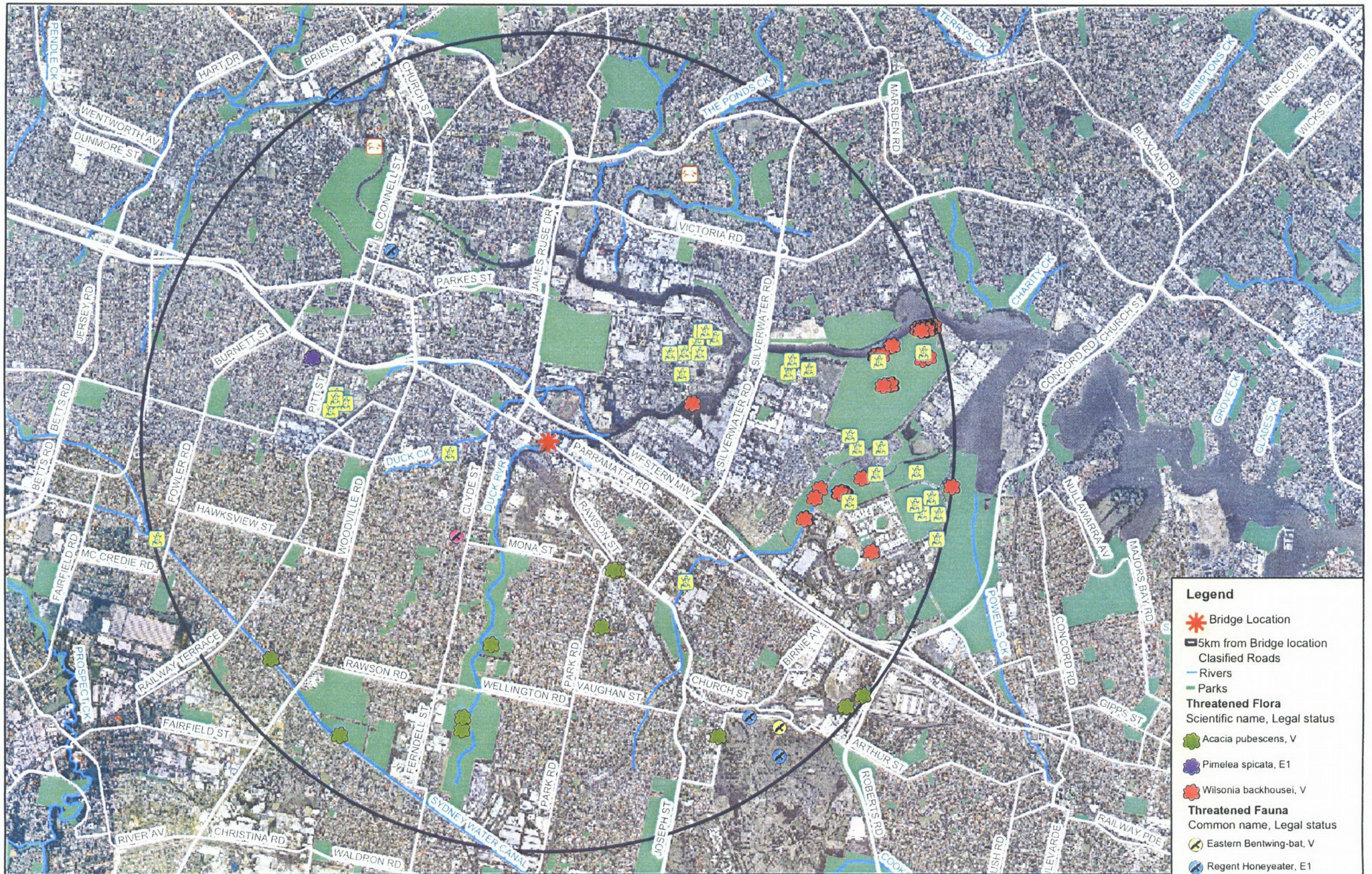
- It is located during an investigation of the area conducted for a development application.

If you considering undertaking a development activity in the area subject to the AHIMS search, DEC would recommend that an Aboriginal Heritage Assessment be undertaken. You should consult with the relevant consent authority to determine the necessary assessment to accompany your development application.

Yours Sincerely

A handwritten signature in cursive script, appearing to read 'S. Freeburn', followed by a long horizontal line extending to the right.

Freeburn, Sharlene
Administrator
Information Systems Section
Cultural Heritage Division
Phone: (02) 9585 6471
Fax: (02) 9585 6094



**Threatened Fauna and Flora Species
in the vicinity of Bridge over Duck River
on Parramatta Road, Auburn**



0 0.5 1
Kilometers

Map produced by RTA Environmental Technology
Date: 07/12/05
OrthoView aerial photography under licence to RTA by Lands Department NSW
Map data copyright 2004 Telstra Corporation Limited (Sensis Pty Ltd) and Universal Press Pty Ltd

Legend

- Bridge Location
- 5km from Bridge location
- Classified Roads
- Rivers
- Parks
- Threatened Flora**
- Scientific name, Legal status
- Acacia pubescens*, V
- Pimelea spicata*, E1
- Wilsonia backhousei*, V
- Threatened Fauna**
- Common name, Legal status
- Eastern Bentwing-bat, V
- Regent Honeyeater, E1
- Spotted-tailed Quoll, V
- Green and Golden Bell Frog, E1
- Grey-headed Flying-fox, V



Australian Government
Department of the Environment and Heritage

Protected Matters Search Tool

You are here: [DEH Home](#) > [EPBC Act](#) > [Search](#)

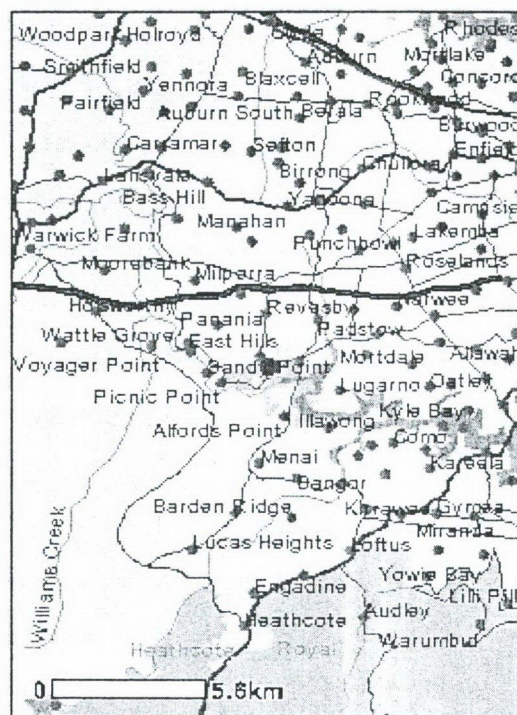
17 November 2005 13:32

EPBC Act Protected Matters Report

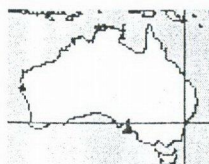
This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected. Information on the coverage of this report and qualifications on data supporting this report are contained in the caveat at the end of the report.

You may wish to print this report for reference before moving to other pages or websites.

The Australian Natural Resources Atlas at <http://www.environment.gov.au/atlas> may provide further environmental information relevant to your selected area. Information about the EPBC Act including significance guidelines, forms and application process details can be found at <http://www.deh.gov.au/epbc/assessmentsapprovals/index.html>



Search Type: Point
Buffer: 10 km
Coordinates: -33.9731, 151.01910



Summary

Matters of National Environmental Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the Administrative Guidelines on Significance - see <http://www.deh.gov.au/epbc/assessmentsapprovals/guidelines/index.html>.

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Significance: (Ramsar Sites)	1
Commonwealth Marine Areas:	None
Threatened Ecological Communities:	3
Threatened Species:	28
Migratory Species:	9

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place and the heritage values of a place on the Register of the National Estate. Information on the new heritage laws can be found at <http://www.deh.gov.au/heritage/index.html>.

Please note that the current dataset on Commonwealth land is not complete. Further information on Commonwealth land would need to be obtained from relevant sources including Commonwealth agencies, local agencies, and land tenure maps.

A permit may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species,

whales and other cetaceans, or a member of a listed marine species. Information on EPBC Act permit requirements and application forms can be found at <http://www.deh.gov.au/epbc/permits/index.html>.

Commonwealth Lands:	8
Commonwealth Heritage Places:	2
Places on the RNE:	8
Listed Marine Species:	13
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves:	None

Extra Information

This part of the report provides information that may also be relevant to the area you have nominated.

State and Territory Reserves:	2
Other Commonwealth Reserves:	None
Regional Forest Agreements:	None

Details

Matters of National Environmental Significance

Wetlands of International Significance [[Dataset Information](#)]
(Ramsar Sites)

TOWRA POINT NATURE RESERVE Within 10 km of Ramsar site

Threatened Ecological Communities [[Dataset Information](#)]

	Status	Type of Presence
<u>Cumberland Plain Woodlands</u>	Endangered	Species or species habitat likely to occur within area
<u>Shale/Sandstone Transition Forest</u>	Endangered	Species or species habitat likely to occur within area
<u>Turpentine-Ironbark Forest in the Sydney Basin Bioregion</u>	Critically Endangered	Species or species habitat likely to occur within area

Threatened Species [[Dataset Information](#)]

Birds

<u><i>Lathamus discolor</i></u> * Swift Parrot	Endangered	Species or species habitat may occur within area
<u><i>Neophema chrysogaster</i></u> * Orange-bellied Parrot	Endangered	Species or species habitat may occur within area
<u><i>Rostratula australis</i></u> * Australian Painted Snipe	Vulnerable	Species or species habitat may occur within area
<u><i>Xanthomyza phrygia</i></u> * Regent Honeyeater	Endangered	Species or species habitat likely to occur within area

Fishes

<u><i>Prototroctes maraena</i></u> *	Vulnerable	Species or species habitat likely to occur within area
Australian Grayling		

Frogs

<u><i>Heleioporus australiacus</i></u> *	Vulnerable	Species or species habitat likely to occur within area
Giant Burrowing Frog		
<u><i>Litoria aurea</i></u> *	Vulnerable	Species or species habitat likely to occur within area
Green and Golden Bell Frog		
<u><i>Litoria littlejohni</i></u> *	Vulnerable	Species or species habitat may occur within area
Littlejohn's Tree Frog, Heath Frog		
<u><i>Mixophyes balbus</i></u> *	Vulnerable	Species or species habitat likely to occur within area
Stuttering Frog, Southern Barred Frog (in Victoria)		

Mammals

<u><i>Chalinolobus dwyeri</i></u> *	Vulnerable	Species or species habitat may occur within area
Large-eared Pied Bat, Large Pied Bat		
<u><i>Dasyurus maculatus maculatus</i></u> (SE mainland population) *	Endangered	Species or species habitat likely to occur within area
Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll (southeastern mainland population)		
<u><i>Petrogale penicillata</i></u> *	Vulnerable	Species or species habitat may occur within area
Brush-tailed Rock-wallaby		
<u><i>Potorous tridactylus tridactylus</i></u> *	Vulnerable	Species or species habitat may occur within area
Long-nosed Potoroo (SE mainland)		
<u><i>Pteropus poliocephalus</i></u> *	Vulnerable	Species or species habitat likely to occur within area
Grey-headed Flying-fox		

Reptiles

<u><i>Hoplocephalus bungaroides</i></u> *	Vulnerable	Species or species habitat likely to occur within area
Broad-headed Snake		

Plants

<u><i>Acacia bynoeana</i></u> *	Vulnerable	Species or species habitat likely to occur within area
Bynoe's Wattle, Tiny Wattle		
<u><i>Acacia pubescens</i></u> *	Vulnerable	Species or species habitat likely to occur within area
Downy Wattle, Hairy Stemmed Wattle		
<u><i>Astrotricha crassifolia</i></u> *	Vulnerable	Species or species habitat likely to occur within area
<u><i>Caladenia tessellata</i></u> *	Vulnerable	Species or species habitat likely to occur within area
Thick-lipped Spider-orchid, Daddy Long-legs		
<u><i>Cryptostylis hunteriana</i></u> *	Vulnerable	Species or species habitat may occur within area
Leafless Tongue-orchid		
<u><i>Deyeuxia appressa</i></u> *	Endangered	Species or species habitat likely to occur within area
<u><i>Eucalyptus camfieldii</i></u> *	Vulnerable	Species or species habitat likely to occur within area
Camfield's Stringybark		
<u><i>Grevillea parviflora</i></u> subsp. <i>parviflora</i> *	Vulnerable	Species or species habitat likely to occur within area
<u><i>Melaleuca deanei</i></u> *	Vulnerable	Species or species habitat likely to

Deane's Melaleuca

occur within area

Persoonia nutans *

Endangered Species or species habitat likely to occur within area

Pimelea spicata *

Endangered Species or species habitat may occur within area

Pterostylis saxicola *

Sydney Plains Greenhood

Endangered Species or species habitat likely to occur within area

Thesium australe *

Austral Toadflax, Toadflax

Vulnerable Species or species habitat likely to occur within area

Migratory Species [Dataset Information]

Status Type of Presence

Migratory Terrestrial Species**Birds***Haliaeetus leucogaster*

White-bellied Sea-Eagle

Migratory Species or species habitat likely to occur within area

Hirundapus caudacutus

White-throated Needletail

Migratory Species or species habitat may occur within area

Monarcha melanopsis

Black-faced Monarch

Migratory Breeding may occur within area

Myiagra cyanoleuca

Satin Flycatcher

Migratory Breeding likely to occur within area

Neophema chrysogaster

Orange-bellied Parrot

Migratory Species or species habitat may occur within area

Rhipidura rufifrons

Rufous Fantail

Migratory Breeding may occur within area

Xanthomyza phrygia

Regent Honeyeater

Migratory Species or species habitat likely to occur within area

Migratory Wetland Species**Birds***Gallinago hardwickii*

Latham's Snipe, Japanese Snipe

Migratory Species or species habitat may occur within area

Rostratula benghalensis s. lat.

Painted Snipe

Migratory Species or species habitat may occur within area

Other Matters Protected by the EPBC Act

Listed Marine Species [Dataset Information]

Status Type of Presence

Birds*Apus pacificus*

Fork-tailed Swift

Listed - overfly marine area Species or species habitat may occur within area

Ardea alba

Great Egret, White Egret

Listed - overfly marine area Species or species habitat may occur within area

Ardea ibis

Cattle Egret

Listed - overfly marine area Species or species habitat may occur within area

Gallinago hardwickii
Latham's Snipe, Japanese Snipe

Listed - Species or species habitat may occur
overfly within area
marine area

Haliaeetus leucogaster
White-bellied Sea-Eagle

Listed Species or species habitat likely to
occur within area

Hirundapus caudacutus
White-throated Needletail

Listed - Species or species habitat may occur
overfly within area
marine area

Lathamus discolor
Swift Parrot

Listed - Species or species habitat may occur
overfly within area
marine area

Merops ornatus
Rainbow Bee-eater

Listed - Species or species habitat may occur
overfly within area
marine area

Monarcha melanopsis
Black-faced Monarch

Listed - Breeding may occur within area
overfly
marine area

Myiagra cyanoleuca
Satin Flycatcher

Listed - Breeding likely to occur within area
overfly
marine area

Neophema chrysogaster
Orange-bellied Parrot

Listed - Species or species habitat may occur
overfly within area
marine area

Rhipidura rufifrons
Rufous Fantail

Listed - Breeding may occur within area
overfly
marine area

Rostratula benghalensis s. lat.
Painted Snipe

Listed - Species or species habitat may occur
overfly within area
marine area

Commonwealth Lands [[Dataset Information](#)]

Commonwealth Trading Bank of Australia

Communications, Information Technology and
the Arts - Australian Postal Corporation

Communications, Information Technology and
the Arts - Telstra Corporation Limited

Defence

Defence - Defence Housing Authority

Education, Science and Training - Australian
Nuclear Science and Technology Organisation

Transport and Regional Services - Airservices
Australia

Unknown

[Commonwealth Heritage Places \[Dataset Information \]](#)

[Cubbitch Barta National Estate Area NSW](#)

[Old Army / Internment Camp Group Holsworthy NSW](#)

[Places on the RNE \[Dataset Information \]](#)

Note that not all Indigenous sites may be listed.

Historic

[Como Rail Bridge NSW](#)

[Old Army / Internment Camp Group Holsworthy NSW](#)

[The Homestead NSW](#)

Indigenous

[Cubbitch Barta National Estate Area NSW](#)

[Woronora Area NSW](#)

Natural

[Enfield Brickpits NSW](#)

[Royal National Park \(1977 boundary\) NSW](#)

[Voyager Point NSW](#)

Extra Information

[State and Territory Reserves \[Dataset Information \]](#)

[Georges River National Park, NSW](#)

[Royal National Park, NSW](#)

Caveat

The information presented in this report has been provided by a range of data sources as [acknowledged](#) at the end of the report.

This report is designed to assist in identifying the locations of places which may be relevant in determining obligations under the *Environment Protection and Biodiversity Conservation Act 1999*. It holds mapped locations of World Heritage and Register of National Estate properties, Wetlands of International Importance, Commonwealth and State/Territory reserves, listed threatened, migratory and marine species and listed threatened ecological communities. Mapping of Commonwealth land is not complete at this stage. Maps have been collated from a range of sources at various resolutions.

Not all species listed under the EPBC Act have been mapped (see below) and therefore a report is a general guide only. Where available data supports mapping, the type of presence that can be determined from the data is indicated in general terms. People using this information in making a referral may need to consider the qualifications below and may need to seek and consider other information sources.

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under "type of presence". For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

Only selected species covered by the migratory and marine provisions of the Act have been mapped.

The following species and ecological communities have not been mapped and do not appear in reports produced from this database:

- threatened species listed as extinct or considered as vagrants
- some species and ecological communities that have only recently been listed
- some terrestrial species that overfly the Commonwealth marine area
- migratory species that are very widespread, vagrant, or only occur in small numbers.

The following groups have been mapped, but may not cover the complete distribution of the species:

- non-threatened seabirds which have only been mapped for recorded breeding sites;
- seals which have only been mapped for breeding sites near the Australian continent.

Such breeding sites may be important for the protection of the Commonwealth Marine environment.

Acknowledgments

This database has been compiled from a range of data sources. Environment Australia acknowledges the following custodians who have contributed valuable data and advice:

- New South Wales National Parks and Wildlife Service
- Department of Sustainability and Environment, Victoria
- Department of Primary Industries, Water and Environment, Tasmania
- Department of Environment and Heritage, South Australia Planning SA
- Parks and Wildlife Commission of the Northern Territory
- Environmental Protection Agency, Queensland
- Birds Australia
- Australian Bird and Bat Banding Scheme
- Australian National Wildlife Collection
- Natural history museums of Australia
- Queensland Herbarium
- National Herbarium of NSW
- Royal Botanic Gardens and National Herbarium of Victoria
- Tasmanian Herbarium
- State Herbarium of South Australia
- Northern Territory Herbarium
- Western Australian Herbarium

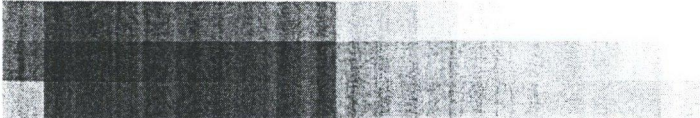
- Australian National Herbarium, Atherton and Canberra
- University of New England
- Other groups and individuals

ANUCLIM Version 1.8, Centre for Resource and Environmental Studies, Australian National University was used extensively for the production of draft maps of species distribution. Environment Australia is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Last updated:

Department of the Environment and Heritage
GPO Box 787 Canberra ACT 2601 Australia
Telephone: +61 (0)2 6274 1111

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[search & map species](#)[taxonomic search](#)[feedback](#)

**Add species to
map groups**

Selected Area: Local Government Area - PARRAMATTA

Search Type: Fauna

Agencies: NSW Fisheries

Threatened Status: E1,E4,FE,FV,V,FP,P,P13

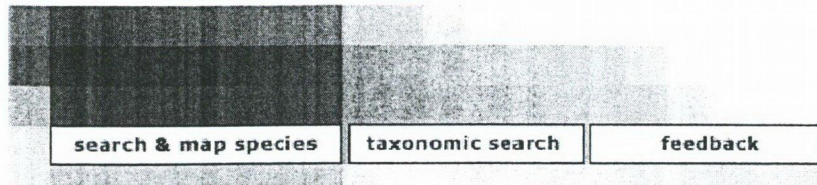
Search Term: Fish

No collections records for the species you searched for were found. Please return to the previous

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**Add species to
map groups**

Selected Area: Local Government Area - AUBURN
Search Type: Fauna
Agencies: NSW Fisheries
Threatened Status: E1,E4,FE,FV,V,FP,P,P13
Search Term: Fish

No collections records for the species you searched for were found. Please return to the previous

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Noxious weed declarations in NSW

Parramatta

The following weeds are declared noxious in the Parramatta control area. The 'details' link on each listing provides information on the legal requirements of the weed's listing and any variation in status within the local control list of all weeds in all control areas is also available as a PDF document.

Common name	Scientific name	Category	
Alligator weed	<i>Alternanthera philoxeroides</i>	W1	details
Asparagus fern	<i>Asparagus densiflorus</i>	W4c	details
Balloon vine	<i>Cardiospermum grandiflorum</i>	W4c	details
Bitou bush	<i>Chrysanthemoides monilifera</i>	W2	details
Boneseed			
Black knapweed	<i>Centaurea nigra</i>	W1	details
Blackberry	<i>Rubus fruticosus</i> (agg. spp.)	W2	details
Bridal creeper	<i>Asparagus asparagoides</i>	W4c	details
Broomrape	<i>Orobanche</i> spp.	W1	details
Cabomba	<i>Cabomba</i> spp.	W4g	details
Cape broom	<i>Genista monspessulana</i>	W4b	details
Cape ivy	<i>Delairea odorata</i>	W4d	details
Castor oil plant	<i>Ricinus communis</i>	W2	details
Cat's claw creeper	<i>Macfadyena unguis-cati</i>	W4c	details
Climbing asparagus	<i>Asparagus plumosus</i>	W4c	details
Giant reed	<i>Arundo donax</i>	W4a	details
Elephant grass			
Green cestrum	<i>Cestrum parqui</i>	W2	details
Harrisia cactus	<i>Harrisia</i> spp.	W4f	details
Hawkweed	<i>Hieracium</i> spp.	W1	details
Horsetail	<i>Equisetum</i> spp.	W1	details
Karoo thorn	<i>Acacia karroo</i>	W1	details
Kochia	<i>Kochia scoparia</i>	W1	details
Lagarosiphon	<i>Lagarosiphon major</i>	W1	details
Lantana (Pink flowered)	<i>Lantana camara</i>	W2	details
Lantana (Red flowered)	<i>Lantana camara</i>	W2	details
Ludwigia	<i>Ludwigia peruviana</i>	W2	details
Madeira vine	<i>Anredera cordifolia</i>	W4c	details
Mexican feather grass	<i>Nassella tenuissima</i> syn <i>Stipa tenuissima</i>	W1	details
Miconia	<i>Miconia</i> spp.	W1	details
Morning glory	<i>Ipomea cairica</i>	W4c	details
Morning glory	<i>Ipomea indica</i>	W4c	details

Pampas grass	<i>Cortaderia spp.</i>	W2	details
Parthenium weed	<i>Parthenium hysterophorus</i>	W1	details
Pellitory	<i>Parietaria judaica</i>	W3	details
Prickly pears	<i>Opuntia spp.</i>	W4f	details
Privet - broadleaf	<i>Ligustrum lucidum</i>	W4b	details
Privet - narrowleaf	<i>Ligustrum sinense</i>	W4b	details
Rhizomatous bamboo	<i>Phyllostachys spp.</i>	W4a	details
Rhus tree	<i>Toxicodendron succedaneum</i>	W2	details
Salvinia	<i>Salvinia molesta</i>	W1	details
Scotch English broom	<i>Cytisus scoparius</i>	W2	details
Senegal tea plant	<i>Gymnocoronis spilanthoides</i>	W1	details
Siam weed	<i>Chromolaena odorata</i>	W1	details
Spotted knapweed	<i>Centaurea maculosa</i>	W1	details
St John's wort	<i>Hypericum perforatum</i>	W2	details
Water hyacinth	<i>Eichhornia crassipes</i>	W1	details
Water lettuce	<i>Pistia stratiotes</i>	W1	details
Willows	<i>Salix spp.</i>	W4g	details

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The information contained in this web page is based on knowledge and understanding at the time of writing. However, in knowledge, users are reminded of the need to ensure that information upon which they rely is up to date and to check information with the appropriate officer of NSW Department of Primary Industries or the user's independent adviser.

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Noxious weed declarations in NSW

Auburn

The following weeds are declared noxious in the Auburn control area. The 'details' link on each listing provide information on the legal requirements of the weed's listing and any variation in status within the local control list of all weeds in all control areas is also available as a PDF document.

Common name	Scientific name	Category	
Alligator weed	<i>Alternanthera philoxeroides</i>	W1	details
Bitou bush	<i>Chrysanthemoides monilifera</i>	W3	details
Boneseed			
Black knapweed	<i>Centaurea nigra</i>	W1	details
Blackberry	<i>Rubus fruticosus (agg. spp.)</i>	W2	details
Broomrape	<i>Orobanche spp.</i>	W1	details
Cabomba	<i>Cabomba spp.</i>	W4g	details
Castor oil plant	<i>Ricinus communis</i>	W2	details
Green cestrum	<i>Cestrum parqui</i>	W2	details
Harrisia cactus	<i>Harrisia spp.</i>	W4f	details
Hawkweed	<i>Hieracium spp.</i>	W1	details
Horsetail	<i>Equisetum spp.</i>	W1	details
Karoo thorn	<i>Acacia karroo</i>	W1	details
Kochia	<i>Kochia scoparia</i>	W1	details
Lagarosiphon	<i>Lagarosiphon major</i>	W1	details
Lantana (Pink flowered)	<i>Lantana camara</i>	W2	details
Lantana (Red flowered)	<i>Lantana camara</i>	W2	details
Ludwigia	<i>Ludwigia peruviana</i>	W2	details
Mexican feather grass	<i>Nassella tenuissima syn Stipa tenuissima</i>	W1	details
Miconia	<i>Miconia spp.</i>	W1	details
Pampas grass	<i>Cortaderia spp.</i>	W2	details
Parthenium weed	<i>Parthenium hysterophorus</i>	W1	details
Pellitory	<i>Parietaria judaica</i>	W3	details
Prickly pears	<i>Opuntia spp.</i>	W4f	details
Rhus tree	<i>Toxicodendron succedaneum</i>	W2	details
Salvinia	<i>Salvinia molesta</i>	W1	details
Senegal tea plant	<i>Gymnocoronis spilanthoides</i>	W1	details
Siam weed	<i>Chromolaena odorata</i>	W1	details
Spotted knapweed	<i>Centaurea maculosa</i>	W1	details
St John's wort	<i>Hypericum perforatum</i>	W2	details
Water hyacinth	<i>Eichhornia crassipes</i>	W1	details
Water lettuce	<i>Pistia stratiotes</i>	W1	details

[Willows](#)*Salix spp.*[W4g](#)[details](#)[Return to start page](#)

The information contained in this web page is based on knowledge and understanding at the time of writing. However, in knowledge, users are reminded of the need to ensure that information upon which they rely is up to date and to check information with the appropriate officer of NSW Department of Primary Industries or the user's independent adviser.

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- Site auditor scheme
- Guidelines under the CLM Act
- Record of EPA notices
- Engaging a consultant
- Information for the assessment of former gasworks sites
- Frequently asked questions
- More information about land

Search results

Your search for: LGA: Parramatta City Council Matched 30 notices relating to 9 sites.

SearchAgain

RefineSearch

Suburb	Address	Site Name	Notices related to this site
Camellia	6-10 Grand Avenue	Akzo Chemicals	3 current and 4 former
Camellia	14 Grand Avenue	Hymix	2 current
Camellia	1 Grand Avenue	James Hardie Asbestos Factory	1 former
Camellia	39 Grand Avenue	Seatons Containers	1 current
Granville	2B Factory Street	Ajax Battery Factory	1 current and 2 former
Granville	2 Blaxcell Street	Shore Petroleum	4 current
Rosehill	Devon/Colquhoun Street	James Hardie Landfill	3 current and 6 former
Rosehill	2 Ritchie Street	Pentecostal Church	1 current and 1 former
Rydalmere	1 Alan Street	Rheem Rydalmere	1 current

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25 November 2005



Send feedback Service charter





Environment Protection Authority NSW

Maintenance of remediation notice

Section 28 of the Contaminated Land Management Act 1997

Our reference: Notice No. 28017
Area # 3145

Service: By Registered Mail to Place of Business

To: Granville Estate Pty Limited (ACN 087 203 549)
Level 4, 111 Harrington St
SYDNEY NSW 2000

Date: 21 August 2000

Granville Estate Pty Ltd (ACN 087 203 549), the "recipient", must maintain remediation action in accordance with the requirements set out in this Notice.

Previous voluntary remediation agreement number 26003 dated 1 December 1999 has been issued on the recipient under s26 of the *Contaminated Land Management Act 1997*.

1. Land to which this notice applies ("the land")

This notice applies to the land located at 2B Factory Street, Granville, being the whole of Lot 1 DP 1012953, and currently occupied by the recipient.

2. Commencement of maintenance of remediation

This notice takes effect from the date of this notice and continues in force until it is otherwise varied or revoked.

3. Maintenance requirements

The EPA requires the recipient to maintain the following remediation action in relation to the land:

(a) Groundwater monitoring

- Conduct sampling and analysis of groundwater for lead, copper and zinc and prepare monitoring reports on a three monthly basis, commencing from the date of this Notice, for five years until September 2005 from the three bores as indicated in the Report titled "Site Management Plan, 2B Factory Street Granville, Prepared for Trafalgar Corporate" by Thies Environmental Services dated April 2000.
- Ensure that the sampling, analysis and reporting is consistent with the guidelines made or approved by the EPA under s105 of the *Contaminated Land Management Act 1997*.
- Report to the EPA within 2 weeks of detection of levels of copper, lead and zinc in groundwater above the criteria of ANZECC 1992 *Australian Water Quality Guidelines for Fresh and Marine Waters* for the protection of aquatic ecosystems.

(b) Maintenance of the containment cell

The owner/occupier of the land must not undertake any work, or cause, permit or allow the undertaking of any work which would result in:

- the erection of any building or structure on the land; or
- any disturbance that would compromise the integrity of the containment cell to effectively contain the contaminants;

unless the prior written approval of the undertaking of the EPA has been obtained and the work is undertaken in accordance with any requirements of that approval.

(c) Engagement of a site auditor

The recipient must engage a site auditor accredited under the *Contaminated Land Management Act, 1997* to review the requirements as stated above in 3 (a) and (b) and provide, at the end of the 5 year monitoring period, a site audit to the EPA outlining the need, if any, for further groundwater monitoring and commenting on the performance and maintenance of the containment cell.

4. Notification of change of owner/occupier

At least 30 days prior to the recipient selling, transferring, leasing or otherwise relinquishing responsibility for the land, the recipient should give written notification to the EPA confirming the name of the prospective owner or occupier.

(signed 21 August 2000)

CATHY DYER

Director Contaminated Sites

(by Delegation)

cc. EPA CLM Act record
EPA Regional Manager, Local Government
Parramatta City Council

NOTE:**Breaches of this Notice**

A person who fails to comply with a notice issued under section 28 of the Act is guilty of an offence. Heavy penalties may be imposed where a person fails to comply with directions given in a notice issued under section 28 of the Act.

Information recorded by Environment Protection Authority (EPA)

Section 58 of the Contaminated Land Management Act 1997 and clause 6 of the Contaminated Land Management Regulation 1998 requires the EPA to maintain a public record. A copy of this notice will be included in the public record.

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Working

[Management overview](#)[Site auditor scheme](#)[Guidelines under the CLM Act](#)[Record of EPA notices](#)[Engaging a consultant](#)[Information for the assessment of former gasworks sites](#)[Frequently asked questions](#)[More information about land](#)

Search results

Your search for: LGA: Auburn Council

Matched 44 notices relating to 11 sites.

[SearchAgain](#)[RefineSearch](#)

Suburb	Address	Site Name	Notices related to this site
Auburn	Short & Junction Streets	Ajax Chemical Factory	2 former
Homebush Bay	Olympic Boulevard	Aquatic Centre Car Park	1 current and 6 former
Homebush Bay	Bennelong Road	Bicentennial Park	1 current
Homebush Bay	Hill Road	Haslams Creek South Area 3	2 current
Homebush Bay	Kevin Coombs Avenue	Haslams Creek South Areas 1 & 2	2 current and 9 former
Homebush Bay	No specific Street	Homebush Bay General Area	2 former
Homebush Bay	25 Bennelong Road	Timber Treatment Plant	4 former
Newington	Bennelong Road	Landfill - North Newington	3 current
Silverwater	Jamieson Street	Auburn Landfill	2 current
Silverwater	Jamieson Street	Silverwater Transport Unit	1 former
Silverwater	Silverwater Road	Wilson Park	4 current and 5 former

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25 November 2005



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- [Regional pollution index](#)
- [24-hour summary](#)
- [Historical RPI data](#)
- [Air quality monitoring reports](#)
- [Monitoring sites](#)
- [NSW Ambient Air Quality Monitoring Plan](#)
- [About No Burn notices](#)
- [Woodsmoke](#)

[Air toxics](#)[Emissions monitoring](#)[Odour](#)[Pesticides](#)[Reporting pollution & smoky vehicles](#)

24-hour summary

of pollutant concentrations measured at air quality monitoring sites

[Previous day's 24-hour summary](#)[Map: air quality monitoring site network](#)[About the 24-hour summary and how the data are calculated](#)**Monday 12 December 2005 00:00 - 23:00**

Pollutant concentrations that exceed the standard or goal are highlighted.

	Ozone	Nitrogen dioxide	Visibility	Carbon monoxide	Sulfur dioxide	Particles PM ₁₀
Measured concentrations	maximum 1-hour average	maximum 1-hour average	maximum 1-hour average	maximum 8-hour average	maximum 1-hour average	24-hour average
Standard or goal	10 pphm	12 pphm	2.1 B _{sp}	9 ppm	20 pphm	50 µg/m ³
Central East Sydney						
CHULLORA	1	1.6	0.4	0.3	0.2	23.1
EARLWOOD	2.8	1.5	0.2			21.6
RANDWICK	2.2	1.1	0.2		0.1	15
ROZELLE	2.4	1.5	0.2	0.3		18.5
North West Sydney						
RICHMOND	4.9	0.8	0.6		0.1	24.1
ST MARYS	4.5	1.4	0.5			31.7
VINEYARD	5.1	1	0.4		0.1	21.1
South West Sydney						
BARGO	4.7	1.7	0.3		0.1	
BRINGELLY	4	1.1	0.8		0.2	23.3
LIVERPOOL	3.1	1.5	0.2	0.2		22.2
MACARTHUR	5.1	1.8	0.2	0.2	0.2	21.7
OAKDALE	5.6	0.8	0.3			19.6
Illawarra						
KEMBLA GRANGE	2.3	0.5	0.1			20.3
WARRAWONG						

	2.3	0.9	0.2		0.3	17.5
WOLLONGONG	2.4	1.2	0.1	0.1	0.2	15.6
Lower Hunter						
BERESFIELD	3	1.7	0.4		1.1	32.2
NEWCASTLE	2.2	0.8	0.4	0.1	0.1	
WALLSEND	2.9	1.1	1.2		0.2	22.3
Central Tablelands						
BATHURST	3.4					16.1
South West Slopes						
ALBURY						21.9
WAGGA WAGGA						33.8
Disclaimer: The data used in the compilation of this page have undergone only preliminary quality assurance checks. These data may require modification during final stages of validation as a result of calibration changes, power failures, instrument failures etc.						
Definitions: • Standard or goal - are the standards set by the <u>National Environment Protection Measure (NEPM)</u>, except for visibility which uses a goal set by the NSW EPA. • PM₁₀ = particles less than 10 micrometers in diameter • B_{sp} = coefficient of light scattering due to particles. The lower the B_{sp} value, the lower the level of suspended particles and the better the visibility. The EPA one-hour visibility goal, 2.1 B_{sp}, corresponds to a visual distance of approximately 9 kilometres. • ppm = parts per million by volume, i.e. parts of pollutant per million parts of air • pphm = parts per hundred million by volume, i.e. parts of pollutant per hundred million parts of air • µg/m³ = micrograms per cubic metre, i.e. mass of pollutant per volume of air						

7 December 2001



Send feedback
Service charter



Emission report

You are here: [NPI Home](#) > [Database Search](#)

25 November 2005 11:03

NPI location report - All sources: Parramatta, NSW

The National Pollutant Inventory (NPI) has pollutant emissions from various industrial facility sources, and diffuse sources. Diffuse sources are from small facilities, transport and households.

This report includes data for industrial facilities and diffuse sources (if available for this region) for the 2003 - 2004 NPI reporting year for the region selected.



Detail

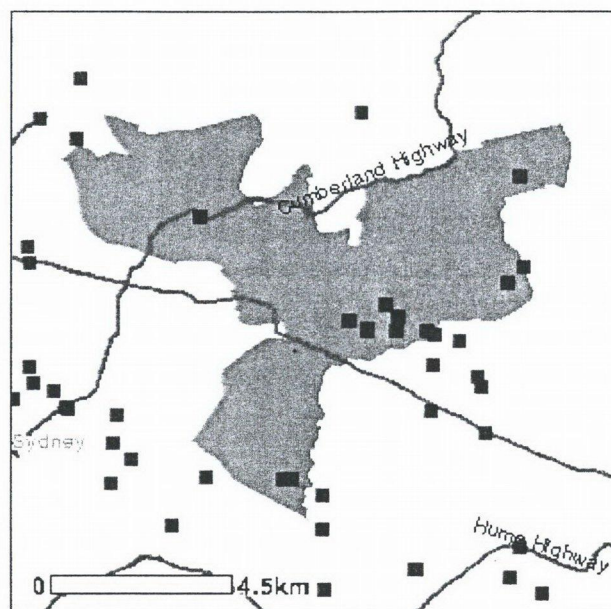
- [Summary](#)
- [Top sources by substance](#)

Other reports for this region are below.

- [Location report for industry facility sources only](#)
- [Location report for diffuse sources only \(if available\)](#)
- [Emissions from individual facilities](#)

How we live impacts pollutant emissions. There are actions we can all take to decrease pollution.

- [What you can do to decrease pollution](#)
- [Using and interpreting NPI data](#)
- [Disclaimer has further information about the use of NPI data.](#)

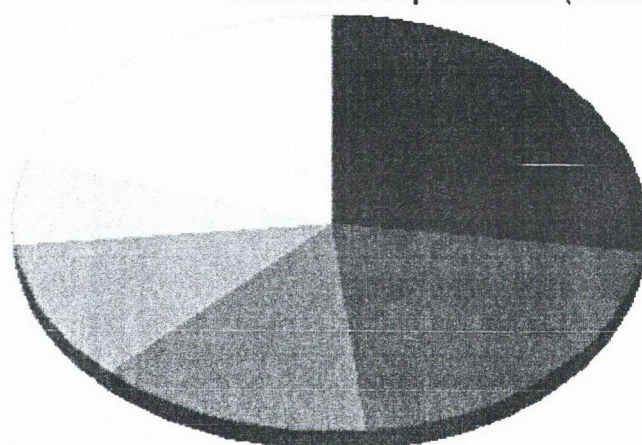


Map of Parramatta, NSW
NPI facilities are shown as ■

Summary

- 43 substances from 29 sources were found.
- 13 facilities reported to the NPI.
- Diffuse data was collected for 18 sources.
- Indicative top sources are shown in the pie chart. Note that only substances listed on Table 1 were used in the calculation. These substances were required to be reported during the first three reporting years.
- [Table 1 substances that industrial reporters had to consider for the first three reporting years](#)

Indicative Top Sources (Table 1 Substances Only)



- Petroleum Refining [251]
- Motor Vehicles
- Domestic/Commercial solvents/ aerosols
- Lawn Mowing
- Motor Vehicle Refinishing
- All Others

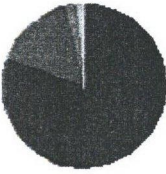
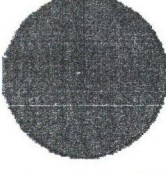
The top sources pie chart above gives a broad snapshot of NPI emissions in this region. The chart is derived by converting each emission into proportional units and then summing the proportional units. This calculation does not account for any variation in toxicity or ground level concentration of these substances.

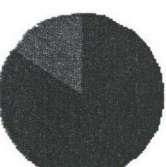
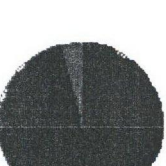
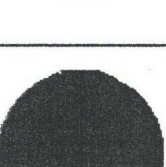
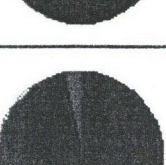
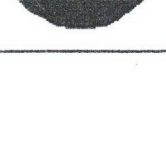
For more information, refer to individual substances in the table below.

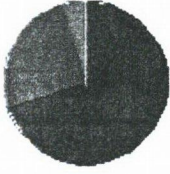
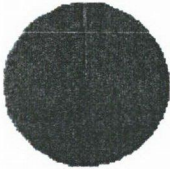
Top sources by substance - Parramatta, NSW

The table shows emissions of all NPI substances in this region, and the top sources for each substance. All emission amounts have been rounded to two significant figures. Note that totals may differ from the sum of the individual amounts because of this rounding. Source names for industrial reporting facilities are shown as ANZSIC Groups; source names for diffuse data are marked with *. Click on the source name for more information about that source for this region.

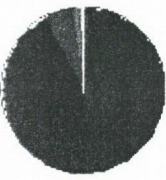
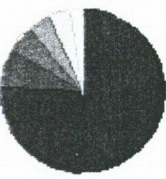
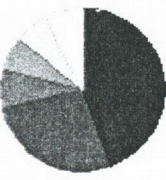
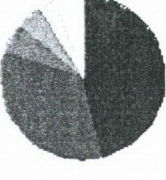
Substance (sort by total emission)	Total Emissions (kg/year)	Emission Sources		
		Distribution (pie chart)	Name (Diffuse Data Source * or ANZSIC Group)	Sub-total (kg/year)
Acetone (Table 1)	12,000		Motor Vehicles *	8,000
			Motor Vehicle Refinishing *	2,500
			Burning(fuel red., regen., agric.)/ Wildfires *	1,500
			Basic Chemical Manufacturing [253]	15
Arsenic & compounds (Table 1)	72		Petroleum Refining [251]	71
			Ceramic Product Manufacturing [262]	0.95
			Backyard Incinerators *	0.038
Benzene (Table 1)	150,000		Motor Vehicles *	120,000
			Lawn Mowing *	11,000
			Solid fuel burning (domestic) *	8,000
			Service stations *	5,300
			Petroleum Refining [251]	2,500
Beryllium & compounds	28		Petroleum Refining [251]	28
			Ceramic Product Manufacturing [262]	0.013
1,3-Butadiene (vinyl ethylene) (Table 1)	1,400		Lawn Mowing *	1,400
			Backyard Incinerators *	33
			Petroleum Refining [251]	0.70
			Petroleum Refining [251]	18

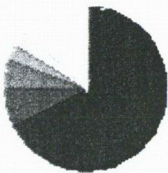
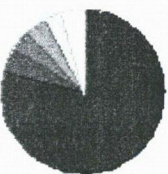
Cadmium & compounds (Table 1)	19		Backyard Incinerators *	0.65
			Ceramic Product Manufacturing [262]	0.46
			Solid fuel burning (domestic) *	0.28
Carbon monoxide (Table 1)	35,000,000		Motor Vehicles *	33,000,000
			Solid fuel burning (domestic) *	860,000
			Lawn Mowing *	660,000
			Petroleum Refining [251]	300,000
			Burning(fuel red., regen., agric.)/ Wildfires *	200,000
Chromium (III) compounds	1,300		Petroleum Refining [251]	1,300
			Petroleum and Coal Product Manufacturing n.e.c. [252]	59
			Ceramic Product Manufacturing [262]	1.1
Chromium (VI) compounds (Table 1)	19		Petroleum Refining [251]	15
			Lawn Mowing *	2.9
			Ceramic Product Manufacturing [262]	0.47
			Backyard Incinerators *	0.33
			Solid fuel burning (domestic) *	0.0025
Cobalt & compounds (Table 1)	3		Lawn Mowing *	2.9
			Backyard Incinerators *	0.11
Copper & compounds	320		Basic Chemical Manufacturing [253]	280
			Petroleum and Coal Product Manufacturing n.e.c. [252]	27
			Petroleum Refining [251]	8.9
Cumene (1-methylethylbenzene)	2		Mineral, Metal and Chemical Wholesaling [452]	2

Cyclohexane	1		Mineral, Metal and Chemical Wholesaling [452]	1
Ethanol	13,000		Bakery Product Manufacturing [216]	13,000
Ethyl acetate	15		Basic Chemical Manufacturing [253]	15
Ethylbenzene	8.5		Mineral, Metal and Chemical Wholesaling [452]	7
			Petroleum Refining [251]	1.5
Ethylene glycol (1,2-ethanediol) (Table 1)	2,700		Domestic/Commercial solvents/ aerosols *	2,300
			Architectural Surface Coatings *	420
Fluoride compounds (Table 1)	230,000		Petroleum Refining [251]	220,000
			Ceramic Product Manufacturing [262]	9,900
			Petroleum and Coal Product Manufacturing n.e.c. [252]	160
Formaldehyde (methyl aldehyde)	32		Ceramic Product Manufacturing [262]	32
n-Hexane	5,900		Petroleum Refining [251]	5,700
			Mineral, Metal and Chemical Wholesaling [452]	180
Hydrochloric acid	7,400		Ceramic Product Manufacturing [262]	7,400

				
Hydrogen sulfide	590		Petroleum Refining [251]	590
Lead & compounds (Table 1)	110		Petroleum Refining [251]	74
			Lawn Mowing *	26
			Ceramic Product Manufacturing [262]	4.6
			Backyard Incinerators *	0.54
			Service stations *	0.029
Magnesium oxide fume	0.23		Ceramic Product Manufacturing [262]	0.23
Manganese & compounds	460		Petroleum and Coal Product Manufacturing n.e.c. [252]	460
Mercury & compounds (Table 1)	17		Petroleum Refining [251]	17
			Backyard Incinerators *	0.14
Methanol (Table 1)	40,000		Domestic/Commercial solvents/ aerosols *	40,000
			Basic Chemical Manufacturing [253]	7.5
Methyl ethyl ketone (Table 1)	12,000		Motor Vehicle Refinishing *	8,300
			Domestic/Commercial solvents/ aerosols *	2,900
			Solid fuel burning (domestic) *	640
Methyl isobutyl			Motor Vehicle Refinishing *	1,100

ketone (Table 1)	1,500		Domestic/Commercial solvents/ aerosols *	430
Nickel & compounds	1,100		Petroleum Refining [251]	1,100
			Petroleum and Coal Product Manufacturing n.e.c. [252]	43
			Lawn Mowing *	2.9
			Ceramic Product Manufacturing [262]	2.2
			Backyard Incinerators *	0.19
Oxides of Nitrogen (Table 1)	5,500,000		Motor Vehicles *	4,800,000
			Petroleum Refining [251]	660,000
			Solid fuel burning (domestic) *	11,000
			Basic Chemical Manufacturing [253]	11,000
			Ceramic Product Manufacturing [262]	11,000
Particulate Matter 10.0 um (Table 1)	670,000		Motor Vehicles *	250,000
			Petroleum Refining [251]	240,000
			Solid fuel burning (domestic) *	86,000
			Burning(fuel red., regen., agric.)/ Wildfires *	40,000
			Ceramic Product Manufacturing [262]	24,000
Phenol	180		Petroleum Refining [251]	180
Polycyclic aromatic hydrocarbons (Table 1)	2,800		Solid fuel burning (domestic) *	2,000
			Lawn Mowing *	580
			Burning(fuel red., regen., agric.)/ Wildfires *	100
			Petroleum Refining [251]	100
			Petroleum and Coal Product Manufacturing	16

			n.e.c. [252]	
Sulfur dioxide (Table 1)	3,100,000		Petroleum Refining [251]	2,800,000
			Motor Vehicles *	170,000
			Ceramic Product Manufacturing [262]	41,000
			Other Food Manufacturing [217]	23,000
			Solid fuel burning (domestic) *	2,000
Tetrachloroethylene (Table 1)	10,000		Dry Cleaning *	10,000
Toluene (methylbenzene) (Table 1)	340,000		Motor Vehicles *	250,000
			Domestic/Commercial solvents/ aerosols *	25,000
			Lawn Mowing *	18,000
			Service stations *	16,000
			Motor Vehicle Refinishing *	13,000
Total Nitrogen (Table 1)	21,000		Urban residential-Port Jackson *	9,500
			Industrial and commercial-Port Jackson *	5,700
			Unimproved grassland-Port Jackson *	1,600
			Urban parks and golf courses-Port Jackson *	1,500
			Bushland-Port Jackson *	1,400
Total Phosphorus (Table 1)	4,200		Urban residential-Port Jackson *	1,900
			Industrial and commercial-Port Jackson *	1,400
			Unimproved grassland-Port Jackson *	240
			Disturbed land and special uses-Port Jackson *	200
			Urban parks and golf courses-Port Jackson *	170
			Motor Vehicles *	4,000,000
			Domestic/Commercial solvents/ aerosols *	450,000

Total Volatile Organic Compounds	5,900,000		Solid fuel burning (domestic) *	330,000
			Petroleum Refining [251]	200,000
			Lawn Mowing *	200,000
Trichloroethylene (Table 1)	28		Domestic/Commercial solvents/ aerosols *	28
Xylenes (individual or mixed isomers) (Table 1)	320,000		Motor Vehicles *	250,000
			Service stations *	16,000
			Lawn Mowing *	13,000
			Sheet Metal Product Manufacturing [275]	13,000
			Domestic/Commercial solvents/ aerosols *	12,000
Zinc and compounds	59		Petroleum and Coal Product Manufacturing n.e.c. [252]	59

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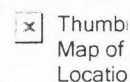
Emission report

You are here: [NPI Home](#) > [Database Search](#)

25 November 2005 10:26

NPI location report - All sources: Auburn, NSW

The National Pollutant Inventory (NPI) has pollutant emissions from various industrial facility sources, and diffuse sources. Diffuse sources are from small facilities, transport and households.



This report includes data for industrial facilities and diffuse sources (if available for this region) for the 2003 - 2004 NPI reporting year for the region selected.

Detail

- [Summary](#)
- [Top sources by substance](#)

Other reports for this region are below.

- [Location report for industry facility sources only](#)
- [Location report for diffuse sources only \(if available\)](#)
- [Emissions from individual facilities](#)

How we live impacts pollutant emissions. There are actions we can all take to decrease pollution.

- [What you can do to decrease pollution](#)
- [Using and interpreting NPI data](#)
- [Disclaimer has further information about the use of NPI data.](#)



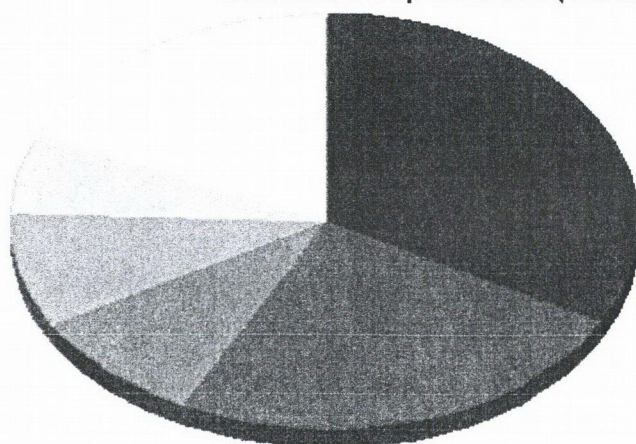
Map of Auburn, NSW

NPI facilities are shown as ■

Summary

- 44 substances from 31 sources were found.
- 8 facilities reported to the NPI.
- Diffuse data was collected for 26 sources.
- Indicative top sources are shown in the pie chart. Note that only substances listed on Table 1 were used in the calculation. These substances were required to be reported during the first three reporting years.
- [Table 1 substances that industrial reporters had to consider for the first three reporting years](#)

Indicative Top Sources (Table 1 Substances Only)



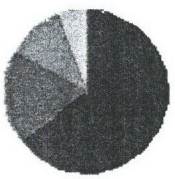
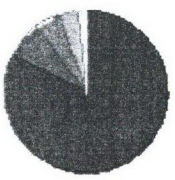
- Public Order and Safety Services [963]
- Motor Vehicles
- Domestic/Commercial solvents/ aerosols
- Lawn Mowing
- Motor Vehicle Refinishing
- All Others

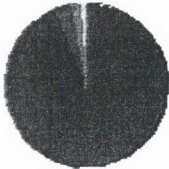
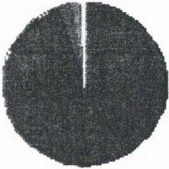
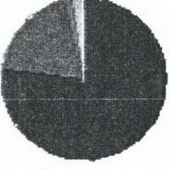
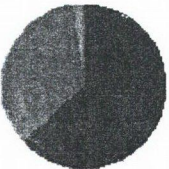
The top sources pie chart above gives a broad snapshot of NPI emissions in this region. The chart is derived by converting each emission into proportional units and then summing the proportional units. This calculation does not account for any variation in toxicity or ground level concentration of these substances.

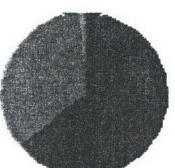
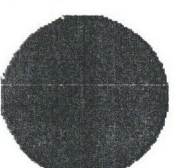
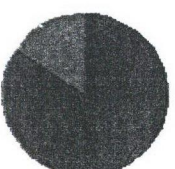
For more information, refer to individual substances in the table below.

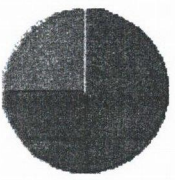
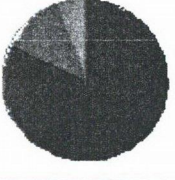
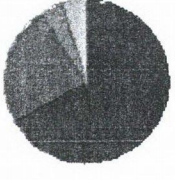
Top sources by substance - Auburn, NSW

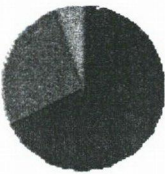
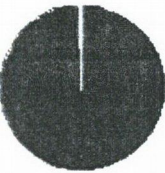
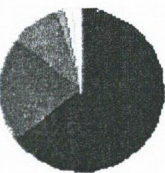
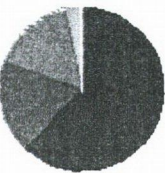
The table shows emissions of all NPI substances in this region, and the top sources for each substance. All emission amounts have been rounded to two significant figures. Note that totals may differ from the sum of the individual amounts because of this rounding. Source names for industrial reporting facilities are shown as ANZSIC Groups; source names for diffuse data are marked with *. Click on the source name for more information about that source for this region.

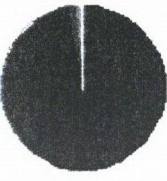
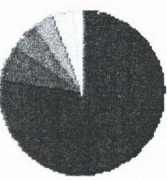
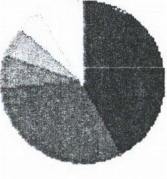
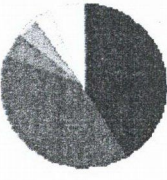
Substance (sort by total emission)	Total Emissions (kg/year)	Emission Sources		
		Distribution (pie chart)	Name (Diffuse Data Source * or ANZSIC Group)	Sub-total (kg/year)
Acetone (Table 1)	6,300		Motor Vehicles *	4,100
			Motor Vehicle Refinishing *	1,200
			Burning(fuel red., regen., agric.)/Wildfires *	730
			Public Order and Safety Services [963]	350
Ammonia (total)	24		Beverage and Malt Manufacturing [218]	24
Arsenic & compounds (Table 1)	1.2		Public Order and Safety Services [963]	1.1
			Beverage and Malt Manufacturing [218]	0.023
			Backyard Incinerators *	0.018
Benzene (Table 1)	74,000		Motor Vehicles *	61,000
			Lawn Mowing *	5,300
			Solid fuel burning (domestic) *	3,900
			Service stations *	2,600
			Burning(fuel red., regen., agric.)/Wildfires *	960
Beryllium & compounds	0.91		Public Order and Safety Services [963]	0.91
			Beverage and Malt Manufacturing [218]	0.0010
			Lawn Mowing *	680

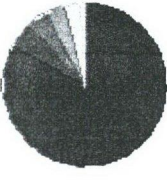
1,3-Butadiene (vinyl ethylene) (Table 1)	690		Backyard Incinerators *	16
Cadmium & compounds (Table 1)	8.7		Public Order and Safety Services [963]	8.1
			Backyard Incinerators *	0.32
			Solid fuel burning (domestic) *	0.13
			Beverage and Malt Manufacturing [218]	0.13
Carbon monoxide (Table 1)	17,000,000		Motor Vehicles *	16,000,000
			Solid fuel burning (domestic) *	420,000
			Lawn Mowing *	320,000
			Burning(fuel red., regen., agric.)/ Wildfires *	97,000
			Backyard Incinerators *	32,000
Chromium (III) compounds	3.8		Public Order and Safety Services [963]	3.8
Chromium (VI) compounds (Table 1)	7.4		Public Order and Safety Services [963]	5.7
			Lawn Mowing *	1.4
			Backyard Incinerators *	0.16
			Beverage and Malt Manufacturing [218]	0.16
			Solid fuel burning (domestic) *	0.0012
Cobalt & compounds (Table 1)	2.2		Lawn Mowing *	1.4
			Public Order and Safety Services [963]	0.76
			Backyard Incinerators *	0.055
Copper & compounds	3.2		Public Order and Safety Services [963]	3.1
			Beverage and Malt Manufacturing [218]	0.099
Cumene (1-methylethylbenzene)	16		Mineral, Metal and Chemical Wholesaling	16

			[452]	
Cyclohexane	59		Mineral, Metal and Chemical Wholesaling [452]	59
Dichloromethane (Table 1)	1,400		Public Order and Safety Services [963]	1,400
Ethanol	37,000		Other Chemical Product Manufacturing [254]	24,000
			Beverage and Malt Manufacturing [218]	13,000
			Public Order and Safety Services [963]	440
Ethyl acetate	21,000		Other Chemical Product Manufacturing [254]	21,000
Ethylbenzene	27		Mineral, Metal and Chemical Wholesaling [452]	27
Ethylene glycol (1,2-ethanediol) (Table 1)	1,300		Domestic/Commercial solvents/ aerosols *	1,100
			Architectural Surface Coatings *	210
Fluoride compounds (Table 1)	390		Public Order and Safety Services [963]	390
n-Hexane	510		Mineral, Metal and Chemical Wholesaling [452]	510

				
Hydrochloric acid	11,000		Public Order and Safety Services [963]	11,000
Lead & compounds (Table 1)	52		Public Order and Safety Services [963]	39
			Lawn Mowing *	13
			Backyard Incinerators *	0.26
			Beverage and Malt Manufacturing [218]	0.057
			Service stations *	0.014
Magnesium oxide fume	260		Public Order and Safety Services [963]	260
Manganese & compounds	170		Public Order and Safety Services [963]	170
Mercury & compounds (Table 1)	0.54		Public Order and Safety Services [963]	0.44
			Backyard Incinerators *	0.067
			Beverage and Malt Manufacturing [218]	0.030
Methanol (Table 1)	19,000		Domestic/Commercial solvents/ aerosols *	19,000
Methyl ethyl ketone (Table 1)	6,000		Motor Vehicle Refinishing *	4,000
			Domestic/Commercial solvents/ aerosols *	1,400
			Solid fuel burning (domestic) *	310
			Public Order and Safety Services [963]	260
			Motor Vehicle	

Methyl isobutyl ketone (Table 1)	780		Refinishing *	530
			Domestic/Commercial solvents/ aerosols *	210
			Public Order and Safety Services [963]	44
Nickel & compounds	100		Public Order and Safety Services [963]	100
			Lawn Mowing *	1.4
			Beverage and Malt Manufacturing [218]	0.24
			Backyard Incinerators *	0.092
Oxides of Nitrogen (Table 1)	2,500,000		Motor Vehicles *	2,500,000
			Public Order and Safety Services [963]	16,000
			Beverage and Malt Manufacturing [218]	12,000
			Solid fuel burning (domestic) *	5,300
			Burning(fuel red., regen., agric.)/Wildfires *	2,300
Particulate Matter 10.0 um (Table 1)	200,000		Motor Vehicles *	130,000
			Solid fuel burning (domestic) *	42,000
			Burning(fuel red., regen., agric.)/Wildfires *	20,000
			Backyard Incinerators *	3,400
			Public Order and Safety Services [963]	3,000
Polychlorinated dioxins and furans	0.0013		Public Order and Safety Services [963]	0.0013
Polycyclic aromatic hydrocarbons (Table 1)	1,600		Solid fuel burning (domestic) *	970
			Lawn Mowing *	280
			Public Order and Safety Services [963]	260
			Burning(fuel red., regen., agric.)/Wildfires *	51
			Beverage and Malt Manufacturing [218]	0.078
			Motor Vehicles *	89,000
			Public Order and	1,100

Sulfur dioxide (Table 1)	92,000		Safety Services [963]	
			Solid fuel burning (domestic) *	970
			Burning(fuel red., regen., agric.)/ Wildfires *	390
			Lawn Mowing *	120
Sulfuric acid (Table 1)	260		Public Order and Safety Services [963]	260
Tetrachloroethylene (Table 1)	5,100		Dry Cleaning *	5,000
			Public Order and Safety Services [963]	44
Toluene (methylbenzene) (Table 1)	170,000		Motor Vehicles *	130,000
			Domestic/Commercial solvents/ aerosols *	12,000
			Lawn Mowing *	8,900
			Service stations *	7,700
			Motor Vehicle Refinishing *	6,600
Total Nitrogen (Table 1)	13,000		Urban residential-Port Jackson *	5,300
			Industrial and commercial-Port Jackson *	4,100
			Unimproved grassland-Port Jackson *	840
			Urban parks and golf courses-Port Jackson *	770
			Disturbed land and special uses-Port Jackson *	600
Total Phosphorus (Table 1)	2,600		Urban residential-Port Jackson *	1,100
			Industrial and commercial-Port Jackson *	1,000
			Unimproved grassland-Port Jackson *	130
			Disturbed land and special uses-Port Jackson *	120
			Urban parks and golf courses-Port Jackson *	86

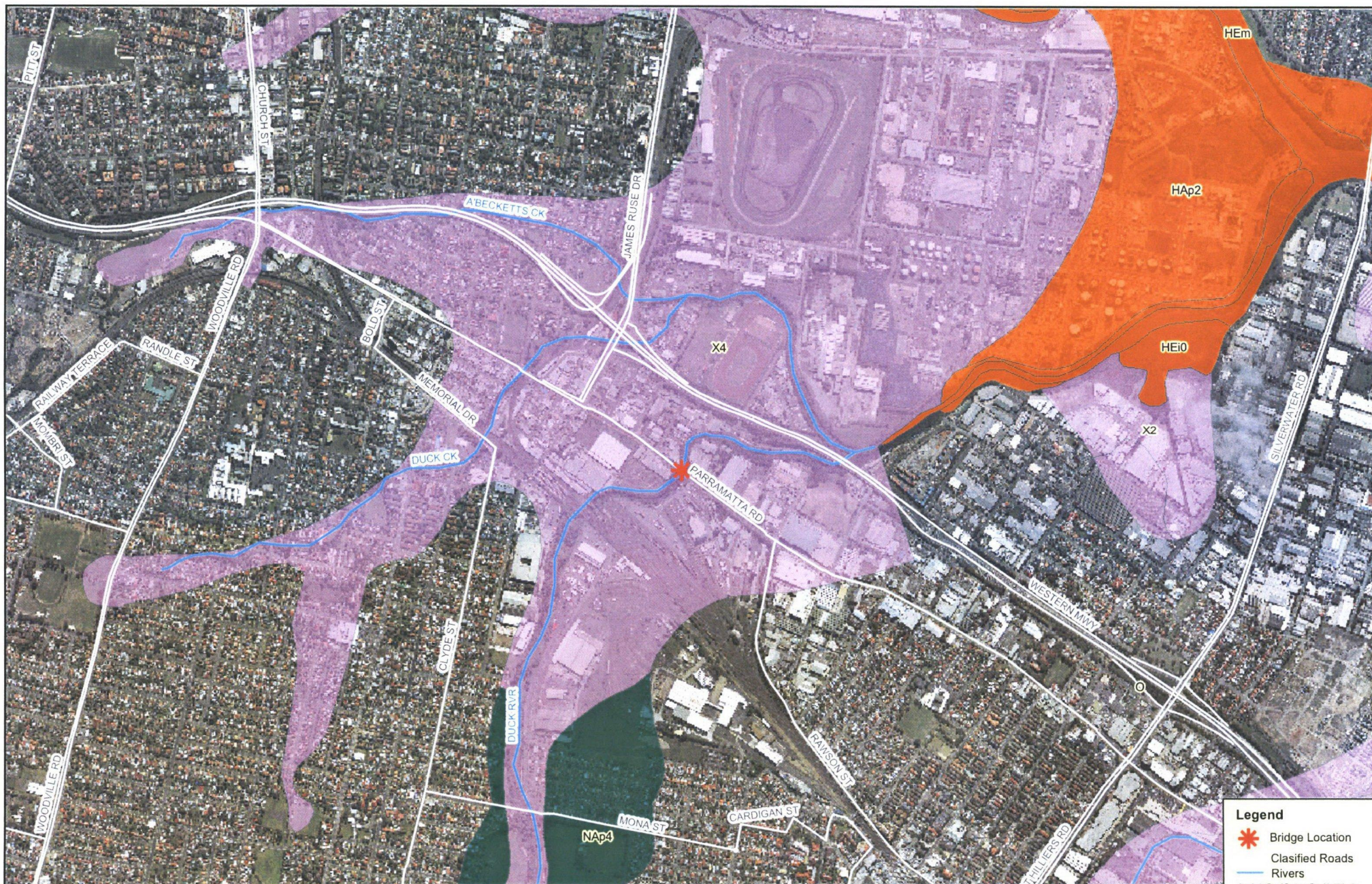
Total Volatile Organic Compounds	2,800,000		Motor Vehicles *	2,000,000
			Domestic/Commercial solvents/ aerosols *	220,000
			Solid fuel burning (domestic) *	160,000
			Lawn Mowing *	95,000
			Service stations *	90,000
Trichloroethylene (Table 1)	1,700		Public Order and Safety Services [963]	1,700
			Domestic/Commercial solvents/ aerosols *	14
Xylenes (individual or mixed isomers) (Table 1)	150,000		Motor Vehicles *	130,000
			Service stations *	7,600
			Lawn Mowing *	6,600
			Domestic/Commercial solvents/ aerosols *	5,700
			Motor Vehicle Refinishing *	5,000
Zinc and compounds	1.9		Other Chemical Product Manufacturing [254]	1.9

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Department of the Environment and Heritage
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Telephone: (02) 6274 1111

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**Acid Sulfate Soil Risk Map
surrounding of Bridge over Duck River
on Parramatta Road, Auburn**



0 100 200 400 600
Meters

Map produced by RTA Environmental Technology
Date: 07/12/05
OrthoView aerial photography under licence to RTA by Lands Department NSW
Map data copyright 2004 Telstra Corporation Limited (Sensis Pty Ltd) and Universal Press Pty Ltd

Legend

- Bridge Location
- Classified Roads
- Rivers
- Acid Sulfate Soil Risk**
- High Risk Occurrence
- No Known
- Disturbed Terrain

Appendix C

Copies of Correspondence

NASH Alison

From: Lesley Diver [Lesley.Diver@dpi.nsw.gov.au]
Sent: Wednesday, 7 December 2005 10:15 AM
To: NASH Alison
Subject: Rehabilitation of Bridge of Parramatta Road, Duck River

Dear Alison

RTA5-3-3131

NSW Department of Primary Industries requests that the following be included in the REF for the above project.

- If marine vegetation will be harmed, including mangroves, seagrass, macroalgae. Any such works will require a permit to harm marine vegetation from this Department. Harm includes trimming mangrove trees, as well as complete removal.
- Details of the construction of the coffer dam, a time-frame for installation and removal, the construction materials to be used and the method of removal. Clean fill or sheet piling must be used to construct the dam. Contaminated material, building and demolition rubble or acid sulphate soils (ASS) must not be used as fill in any aquatic environment.
- Provisions to protect fish during the dewatering process for the coffer dam, must be in place. This should include:
 - Any fish caught in the dewatering process must be immediately released downstream of the site, except carp which should be removed from the waterway where possible.
 - Pumps and screens must be large enough, and pump velocities slow enough, to allow fish to escape during the dewatering process.
 - Environmental safeguards (silt curtains, booms etc) must be in place before, and utilised during, construction of the works to ensure there is no escape of turbid plumes into the aquatic environment. Work is to be undertaken at low tide. Sediment controls must not be removed until the site has settled following construction. Screens or other guards should be carefully removed after the work is completed and all of the sediment has settled on the bottom. Sediment or silt screens should be inspected daily, and maintained to prevent the escape of suspended sediments.
- Fill or excavated material must not be stockpiled in flood prone areas in order to minimise sedimentation. Particular care should be made in siting stockpiles and dumps. Preferred sites should be situated either above mean high water mark, or be secure from a 1 in 10 year flood level and have effective sediment control works to contain any runoff.

Area must be rehabilitated after completion of works.

Please ensure this Department receives a copy of the REF for review and comment prior to any works being undertaken.
Thank you for your enquiry

Yours sincerely
Lesley Diver

Lesley Diver
Conservation Manager
NSW Department of Primary Industries
PO Box 21
Cronulla NSW 2230
Telephone: 61 2 9527 8422
Fax: 61 2 9527 8560
email: Lesley.Diver@dpi.nsw.gov.au

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PARRAMATTA CITY COUNCIL

Your Reference: 5M4263-1
Our Reference: F2005/02763
Contact: R Gomez
Telephone: 9806 5623
Fax: 9806 5906

Alison Nash
Environmental Officer
Roads and Traffic Authority
Level 5, Pod D, Octagon Building
99 Philip Street
PARRAMATTA NSW 2150

12 December 2005

Dear Alison

Rehabilitation of bridge on Parramatta Road over the Duck River, Auburn

I refer to your letter dated 1 December 2005 regarding the rehabilitation of the bridge on Parramatta Road over the Duck River, Auburn and the telephone conversation with you on 6 December 2005.

Council has no concerns on the proposed activity as long as the public have access over the bridge during the rehabilitation of the bridge.

Further, care should be taken during rehabilitation of the bridge so that there are no complaints received from the residents on noise emanating from using the equipment such as generators especially during the night.

Transport of materials to the site from an RTA depot should be undertaken so that there are no complaints received from the residents as to noise or traffic.

Plans should be developed to the likelihood of a flood eventuating during construction and equipment getting washed and causing damage to downstream structures.

Yours sincerely

Roger Gomez
Built Assets Manager

RECEIVED
15 DEC 2005

If you do not understand this letter, please ring the Telephone Interpreter Service (131 450) and ask them to contact Council (9806 5000). Office hours are 8.30am to 4.30pm, Mondays to Fridays.

ARABIC

إذا لم تستطيع فهم هذه الرسالة، الرجاء الاتصال بخدمة الترجمة الهاتفية على رقم ١٣١ ٤٥٠ وأسألهم أن يتصلوا بالبلدية على رقم ٩٨٠٦ ٥٠٠٠. دوام ساعات العمل هي من الساعة ٨:٣٠ صباحاً إلى ٤:٣٠ بعد الظهر من الاثنين إلى الجمعة.

CHINESE

如您看不懂此信，請打電話給「電話翻譯服務台」(131 450) 請他們聯絡市政廳 (市政廳電話 9806 5000)。市政廳辦公時間，星期一至星期五，上午八點半至下午四點半。

CROATIAN

Ako ne razumijete ovo pismo, molimo nazovite Službu prevodilaca i tumača (Translating and Interpreting Service – na broj 131 450) i zamolite ih da nazovu Općinu (na 9806 5000). Radno vrijeme je od 8.30 ujutro do 4.30 popodne, od ponedjeljka do petka.

FRENCH

Si vous avez des difficultés à comprendre cette lettre, vous pouvez contacter le service d'interprètes par téléphone au 131 450 et leur demander de contacter la mairie (Council) au 9806 5000. Les bureaux de la mairie sont ouverts du lundi au vendredi de 8h30 à 16h30.

GERMAN

Wenn Sie diesen Brief nicht verstehen können, rufen Sie bitte den Telefon Dolmetscher Dienst (Telephone Interpreter Service) (131 450) an und lassen Sie sich vom Personal mit dem Gemeinderat (Council) in Verbindung setzen (9806 5000). Geschäftsstunden sind von 8:30 bis 16:30 Uhr, montags bis freitags.

GREEK

Αν δεν καταλαβαίνετε αυτό το γράμμα, σας παρακαλούμε να τηλεφωνήσετε την Τηλεφωνική Υπηρεσία Διερμηνέων (131 450) και να τους ζητήσετε να επικοινωνήσουν με το Δημοτικό Συμβούλιο (9806 5000). Τα γραφεία του είναι ανοιχτά από τις 8.30 πμ μέχρι τις 4.30 μμ, από Δευτέρα μέχρι και Παρασκευή.

HINDI

अगर आप इस पत्र को पढ़कर समझ नहीं पाते हैं तो टेलीफोन अनुवादक सेवा (फोन नंबर १३१ ४५०) को फोन कीजिए और उन्हें काउंसिल (फोन नंबर ९८०६ ५०००) से बात कराने के लिए कहिएगा। ऑफिस का समय प्रातः ८:३० से सायं ४:३० बजे प्रतिदिन सोमवार से शुक्रवार ।

ITALIAN

Se non comprendi questa lettera, telefona al Servizio traduzioni e interpreti al numero 131 450 chiedendo di essere messo in contatto con il Comune (telefono 9806 5000). Orario d'ufficio: ore 8.30-16.30, dal lunedì al venerdì.

KOREAN

만일 이 편지를 이해하지 못하시면, 전화 통역 서비스 (131 450)에 전화하여 카운슬(9806 5000)에 연락해 달라고 부탁하십시오. 근무 시간은 월~금, 오전 8시 30분부터 오후 4시 30분까지입니다.

MALTESE

Jekk na tifhimx din-l-ittra, jekk jogħġbok ċempel lis-Servizz ta' l-Interpretu (131 450) u itlobhom biex jikkuntatjaw lill-Kunsill (9806 5000). Il-hinijiet ta' l-Uffiċċju huma mit-8.30 a.m. sal-4.30 p.m., mit-Tnejn sal-Ġimgħa.

POLISH

Jeśli nie rozumiesz treści niniejszego pisma, zadzwoń do Telefonicznego Biura Tłumaczy (Telephone Interpreter Service) pod numer 131 450 i poproś o telefoniczne skontaktowanie się w Twoim imieniu z Radą Miejską pod numerem 9806 5000. Godziny urzędowania: 08.30-16.30 od poniedziałku do piątku.

SPANISH

Si Ud. no entiende esta carta, por favor llame al Servicio Telefónico de Intérpretes (131 450) y pídales que llamen a la Municipalidad (Council) al 9806 5000. Las horas de oficina son de 8:30 am a 4:30 pm, de lunes a viernes.

TAGALOG

Kung hindi ninyo maunawaan ang liham na ito, tawagan lamang ang Telephone Interpreter Service (131 450) at makiusap na makipag-alam sila sa Konseho para sa inyong kapakanan (9806 5000). Oras ng trabaho 8.30 n.u. hanggang 4.30 n.h., Lunes hanggang Biyernes.

TURKISH

Bu mektubu anlayamazsanız, lütfen Telefonla Tercüme Servisi'ne (131 450) telefon ederek, Belediye ile (9806 5000) ilişkiye geçmelerini isteyiniz. Çalışma saatleri Pazartesi — Cuma günleri arasında saat sabah 8.30'dan öğleden sonra 4.30'a Kadardır.

VIETNAMESE

Nếu quý vị không hiểu thư này, xin điện thoại Telephone Interpreter Service (Dịch Vụ Thông Ngôn bằng Điện Thoại) ở số 131 450 và nhờ họ liên lạc với Council (Hội Đồng) số 9806 5000. Giờ Làm Việc từ 8 giờ 30 sáng đến 4 giờ 30 chiều, Thứ Hai đến Thứ Sáu.