WILLOUGHBY CITY COUNCIL

URBAN BUSHLAND PLAN OF MANAGEMENT

Volume 2
Resource Inventory

2015

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URBAN BUSHLAND PLAN OF MANAGEMENT Volume 2 - Resource Inventory - 2015

1. Introduction

Willoughby City Council's Urban Bushland Plan of Management (UBPOM) consists of two volumes:

UBPOM Volume 1 – 2014

Policy and Management Issues

Formerly Volumes 1 and 2

Policy Document

- Provides an overview of the Bushland Resource of the Willoughby Local Government Area (LGA);
- Identifies Key Impacts and Issues affecting the bushland resource;
- Establishes management Aims, Objectives, Targets, Actions and Measures for the issues identified.

Review Period - 5 years

UBPOM Volume 2 – 2015

Resource Inventory

Formerly Volume 3

Natural Environment Resources

- Native Plant Species Lists;
- Vegetation Community Profiles;
- Wildlife Species List;
- Aboriginal Archaeological Information;
- Park Assets;
- Heritage Listed Items;
- Reserve Maps.

Review Period - Reviewed and updated regularly

Reserve Action Plans

Bushland Management Actions

Reserve Action Plans (RAPs) outline:

- Reserve History and Significance;
- Reserve Impacts and Bushland Management Principles;
- Native Plant Species List;
- Bushland Management actions for the next five years.

Review period - 5 years

The UBPOM Volumes 1 and 2 and Reserve Action Plans have been prepared under the requirements of the NSW Local Government Act 1993.

2. Wildlife

A detailed fauna study completed in 2001 by Dr Arthur White of Biosphere Consultancy, with reported sightings by Willoughby City Council staff and residents via the Wildlife Watch Program, has identified that the Willoughby LGA is home to more than 250 species of native animals.
This number includes recordings of:

- 7 species of frog;
- 18 species of mammals;
- 28 species of reptiles;
- 139 species of bird;
- And a large but as yet unknown number of invertebrates.

2.1 Wildlife Protection

Willoughby City Council has designated large areas of bushland referred to as 'Wildlife Protection Areas' (WPAs). This follows recommendations from the 'Willoughby Fauna Study 2001' by Dr Arthur White who found these areas to possess essential habitat for a range of native animals.

Participation in a regional fox baiting program, habitat-aware bush regeneration practices by Council bush regeneration staff and contractors, the Bushcare volunteer program, and the co-operation of the community in refraining from taking their dogs into WPAs, are all actions that have contributed to helping native animal populations thrive. It is everyone's responsibility that the WPAs and the areas that link them are conserved as habitat, so that we can protect our native wildlife and our natural heritage for many years to come.

Figure 1: Wildlife Protection Areas

2.2 Local Wildlife Habitat

Willoughby contains many and varied wildlife habitat types from the heavily modified built up environment of Chatswood CBD, to the relatively intact remnant bushland of Harold Reid Reserve. The greatest current limitation on our local habitats is their fragmentation. Whilst many of the original habitat types still exist, with the notable exception of grasslands, wetlands and heath (of any significant size), they have become so disconnected with each other that their overall effectiveness as sustainable habitat for many animal species is drastically reduced. This is one of the foremost issues for habitat management in Willoughby and right across Sydney.

A brief description and summary of key habitat types in Willoughby, including Threatened Ecological Communities and where they occur are listed below. Descriptions used with permission from '*Willoughby's Wildlife*' 2009.

2.2.1 Local Wildlife Habitat Descriptions

Estuarine Complex

Estuarine Complex vegetation communities occur in areas under the influence of saltwater on soils of fine alluvium and coarse sand. Estuarine communities include She-oak Forests, Saltmarsh, Mangroves, and Seagrass meadows.

Where it occurs in Willoughby: Estuarine Complex plant species occur along almost the entire length of the Lane Cove River and in the more sheltered bays and tributaries of Middle Harbour. The most significant stands of this community type can be found in Mowbray Park, along the Lane Cove River and at the end of Scotts Creek at North Arm Reserve, and Camp Creek leading into Sugarloaf Bay off Middle Harbour.

Dominant vegetation: Swamp She-oak (*Casuarina glauca*), Grey Mangroves (*Avicennia marina*), River Mangroves (*Aegiceras corniculatum*), Samphire (*Sarcocornia quinqueflora*) and Austral Seablite (*Suaeda australis*).

Habitat value: Estuaries and seagrass beds provide critical habitat and breeding sites for many aquatic species. The foreshores are important resting and feeding sites for migratory birds.

Typical wildlife species found:

Mammals: Eastern Bentwing-bat (*Miniopterus schreibersii oceanesis)*, Eastern Water Rat (*Hydromys chrysogaster)*.

Reptiles and Frogs: Eastern Water Skink (*Eulamprus quoyii*).

Birds: Nankeen Night Heron (*Nycticorax caledonicus)*, White-bellied Sea Eagle (*Haliaeetus leucogaster*), Azure Kingfisher (*Ceyx azureus).*

Figure 2: Estuarine Complex on Scotts Creek, North Arm Reserve

Coastal Sandstone Heath

Dense, low, sclerophyll shrubs on skeletal Hawkesbury Sandstone derived soils. This vegetation type usually has a high diversity of plant species.
Where it occurs in Willoughby: Uncommon in Willoughby and is limited to relatively undisturbed sandstone ridge top areas in Explosives Reserve, Harold Reid Reserve, Northbridge Park and Flat Rock Gully.
Dominant vegetation: Key plant families include Epacridaceae, Rutaceae, Fabaceae, Proteaceae and Myrtaceae.
Habitat values: The dense protective understorey and the high species diversity provides a haven for small birds and reptiles and provides feeding, nesting and breeding sites for the small nectar and insect eating birds. The great diversity of small flowering plants offers a wide range of food sources for nectar and pollen eating insects, including moths, butterflies and bees. Naturally vegetated ridge tops are also significant as part of annual breeding and migration processes for a number of butterfly species.
Typical wildlife species found:
Mammals: Common Bentwing Bat (*Miniopteris schreibersii*), Swamp Wallaby (*Wallabia bicolour)*.
Reptiles and Frogs: Burton's Legless Lizard (*Lialis burtonis)*, Yellow-faced Whip Snake (*Demansia psammophis)*, Golden Crown Snake (*Cacophis squamulosus)*.
Birds: Sacred Kingfisher (*Todiramphus sanctus*), Brown Quail (*Coturnix ypsilophora)*, Red-browed Finch (*Neochmia temporalis*), Honeyeaters in general.

Figure 3: Coastal Sandstone Heath, Explosives Reserve

Sydney Sandstone Gully Forest

The most common vegetation in the Willoughby LGA. The communities include Blue Gum High Forest, Peppermint/Angophora Forest, She-oak Forest, Sydney Turpentine-Ironbark Forest and Coachwood Rainforest. Found within gullies and on sheltered slopes usually with a southern or eastern aspect. Occurring on deeper sandstone and shale derived soils, they are commonly tall open forests with a closed forest understorey.

Where it occurs in Willoughby: Occurs in all of Willoughby's remnant bushland reserves.

Dominant vegetation: Blue Gum (*Eucalyptus saligna*), Sydney Peppermint (*Eucalyptus piperita*), Blackbutt (*Eucalyptus pilularis*), Red Bloodwood (*Corymbia gummifera*), Smooth Bark Apple (*Angophora costata*), Turpentine (*Syncarpia glomulifera*) and associations of these.

Habitat values: Sydney Sandstone Gully Forests are of considerable value to our local native wildlife as they provide corridors for the safe passage of many of our wildlife species including birds, bats and marsupials. The habitat they provide is also very diverse and complex.

Typical wildlife species found:

Mammals: Little Forest Bat (*Vespadelus vulturnus)*, White Striped Mastiff Bat (*Chaerophon jobensis)*, Brown Antechinus (*Antechinus stuartii)*.

Reptiles and Frogs: Brown Tree Snake (*Boiga irregularis)*, Bibron's Toadlet (*Pseudophryne bibronii*), Leaf Green Tree Frog (*Litoria phyllochroa)*.

Birds: King Parrot (*Alisterus scapularis*), Rose-crowned Fruit Dove (*Ptilinopus regina*), Superb Lyrebird (*Menura novaehollandiae*), Eastern Whipbird (*Psophodes olivaceus)*, Golden Whistler (*Pachycephala pectoralis)*, Brown Gerygone (*Gerygone mouki*), Buff-banded Rail (*Gallirallus philippensis*), Powerful Owl (*Ninox strenua*).

Figure 4: Sydney Sandstone Gully Forest, Ferndale Park

Sydney Sandstone Ridgetop Woodlands

Scattered trees with a grassy understorey occurring on Hawkesbury Sandstone derived soils.

Where it occurs in Willoughby: Castle Cove Park, H.D. Robb Reserve, Explosives Reserve, North Arm Reserve, Willis Park, Harold Reid Reserve, Castlecrag Northern Escarpment, Sailors Bay Reserve, Artarmon Reserve, Mowbray Park and Flat Rock Gully.

Dominant vegetation: Smooth Bark Apple (*Angophora costata*), Sydney Peppermint (*Eucalyptus piperita*), Red Bloodwood (*Corymbia gummifera*), She-oaks (*Allocasuarina spp*.).

Habitat value: Characterised by a wide variety of plant types, this community offers a range of complex habitat to the many animal species that use it. Terrestrial wildlife have ample connective cover to find safe foraging and breeding sites. Arboreal animals have connective canopies to give them suitable protection and nesting sites, including hollow habitats. Many of our birds use this community to nest in but the diversity of plants also offers a wide range of food for honeyeaters and the insects on which our insectivorous species depend.

Typical wildlife species found:

Mammals: Sugar Glider (*Petaurus breviceps*), Lesser Long-eared Bat (*Nyctophilus geoffroyi*), Short-beaked Echidna (*Tachyglossus aculeatus*).

Reptiles and Frogs: Eastern Small-eyed Snake (*Rhinoplocephalus nigrescens*), Cunningham's Skink (*Egernia cunninghami*), Copper-tail Skink (*Ctenotus taeniolatus*), Lace Monitor (*Varanus varius*), Red-crowned Toadlet (*Pseudophryne australis*).

Birds: Powerful Owl (*Ninox strenua*), Masked Owl (*Tyto novaehollandiae*), Dollarbird (*Eurystomus orientalis*), Brown Thornbill (*Acanthiza pusilla)*, Variegated Fairy-wren (*Malurus lamberti*), Eastern Yellow Robin (*Eopsaltria australis*), Crimson Rosella (*Platycercus elegans*).

Figure 5: Sydney Sandstone Ridgetop Woodland, Harold Reid Reserve

Threatened Ecological communities

Saltmarsh (Estuarine Complex)

Characterised by a unique assemblage of small herbaceous plants and sedges, including Marsh Daisy, Samolus, Samphire and Warrigal Cabbage, Saltmarsh is also Willoughby's most productive vegetation type. This highly specialised community is the primary producer of the marine environment, however it is under extreme threat. All Saltmarsh in NSW is classified as an 'Endangered Ecological Community' under the Threatened Species Conservation Act, as it is a highly specific ecological community which needs to be protected from a number of key threatening processes.

Where it occurs in Willoughby: Saltmarsh occupies a small area around the median tide level in brackish low energy environments. In Willoughby the Saltmarsh environment is restricted to very small areas ranging from just metres, to as little as centimetres wide as a result of the elevated topography. There is only a small diversity of plants suited to this highly specialised environment and numbers are often low due to existing pressures. These plants include small herbaceous sedges, grasses and broad-leaved plants. To support such a specific plant community, the substrate which is a mix of coarse sands and fine alluvium, must also be highly specialised. This soil profile is relatively anaerobic due to its regular inundation with highly saline water.

Key threatening processes: Altered hydrology in the above lying catchment is one of the many pressures on Saltmarsh. Prior to urbanisation, the landscape would have soaked up rainfall and filtered it down into the estuaries via the water table. Today's built landscape and hard surfaces mean that any rainfall is now diverted and enters the creeks at high velocity, scouring out the creek banks and transporting sediment into the estuaries, destroying complex pool and riffle systems and altering stream habitat. This massive influx of freshwater significantly alters the delicate estuarine waters and the soil composition. Stormwater also carries a variety of pollutants, including rubbish particularly plastic, pesticides, oil and other chemicals, which have an immediate and major impact on the marine ecosystem. The most detrimental effects of stormwater on the Saltmarsh environment are caused by excess nutrients and suspended soil particles. Nutrients from fertilisers, detergents and decomposing vegetation from parks, gardens, playing fields and other intensely managed recreational areas significantly alter the delicate chemical balance of the soil. Combined with soil washed from un-vegetated areas (in particular building sites), the composition of the soil is altered and it smothers existing vegetation.

Figure 6: Samphire (*Sarcocornia quinqueflora*)

Blue Gum High Forest (Sydney Sandstone Gully Forest)

These forests are unique to specific soils, namely soils derived from shale and soils that occur at the interface of shale and sandstone substrates. Typically these are deeper and relatively more fertile soils than the sandstone derived soils that dominate the Willoughby landscape.

Where it occurs in Willoughby: Most of this soil type occurs along ridge lines and is covered by houses and roads. Small vegetated patches still occur in the upper reaches of Blue Gum Park and Artarmon Reserve. These areas, whilst very fragmented and suffering from soil disturbance and weed invasion, still maintain a high level of integrity with regard to this vegetation.

Dominant vegetation: Blue Gum (*Eucalyptus saligna*), Turpentine (*Syncarpia glomulifera*).

Key threatening processes: Only occurring now on the edge of a few reserves, this dwindling forest type is heavily impacted by the effects of nutrient pollution and increased runoff from nearby private properties and roads. This results in a number of significant changes to this community's environment that potentially limits their long term survival. Increased nutrients in the soil can adversely affect the natural growth of Blue Gums and the species associated with them. Increased nutrients can also increase the success of invasive weeds, which, in turn, can out-compete native plants and inhibit recruitment of native species. Those areas occurring on private property are further impacted by increased development of blocks of land. Whilst this community is protected by law, the tendency for Blue Gums themselves to become a perceived hazard often results in many being cut down. Also due to the condition of the areas in which these trees and their associated vegetation community live, there is only a very small amount of natural recruitment of Blue Gums. Consequently, those trees that are removed need to be replaced by the planting of new trees, which rarely happens.

Figure 7: Blue Gum (*Eucalyptus saligna*)

Sydney Turpentine-Ironbark Forest (Sydney Sandstone Gully Forest)

Similar to the Blue Gum High Forest, Sydney Turpentine-Ironbark Forest is unique to specific soils. Overlapping in some areas with Blue Gum High Forest, this community grows in the soil landscape transition zone between shale and sandstone soils. Not as tall as Blue Gums, the dominant trees form forests with open or closed canopies.

Where it occurs in Willoughby: This transition zone usually occurs downslope of areas of shale derived soil, but upslope of the sandstone derived soils which dominate most of our gully areas. Whilst more common than Blue Gum High Forest, this community is still very much limited in its distribution and is often found to be confined by urban development on their preferred soils. Areas of significant stands of this community are found on the edges of Blue Gum Park, Ferndale Park and Artarmon Reserve.

Dominant vegetation: Blue Gum (*Eucalyptus saligna*), Grey Ironbark (*Eucalyptus paniculata*), Turpentine (*Syncarpia glomulifera*).

Key threatening processes: Occurring below urban developments, this community is subject to increased runoff and nutrient levels which inhibit plant growth and recruitment. These factors further contribute to weed growth which also has the potential to significantly reduce the community's health and resilience. The proximity of Sydney Turpentine-Ironbark Forest to private properties can often result in conflict over the maintenance of trees which are an essential element of this community. Again like the Blue Gum High Forest, mature trees from this community are often removed due to a perception of hazard and are not replaced. This over time will reduce this community's distribution, long term viability and habitat significance. Sydney Turpentine-Ironbark Forest is evolved to be fire dependent so disruption to fire regimes further inhibits recruitment. Periodic fires assist Sydney Turpentine-Ironbark Forests to maintain biodiversity.

Figure 8: Turpentine (*Syncarpia glomulifera*)

2.3 Wildlife Species List of Willoughby City Council LGA 2015

Frog Species of Willoughby	
Common Name	***Genus-species***
TREE FROGS	
Peron's Tree Frog	*Litoria peronei*
Leaf Green Tree Frog	*Litoria phyllochroa*
GROUND FROGS	
Common Eastern Froglet	*Crinia signifera*
Striped Marsh Frog	*Limnodynastes peronei*
Eastern Pobblebonk	*Limnodynastes dumerilii*
Bibron's Toadlet	*Pseudophryne bibronii*
Red-crowned Toadlet	*Pseudophryne australis V*

Mammal Species of Willoughby	
Common Name	***Genus-species***
MONOTREMES	
Short-beaked Echidna	*Tachyglossus aculeatus*
MARSUPIALS	
MARSUPIAL MICE	
Brown Antechinus	*Antechinus stuartii*
BANDICOOT	
Long Nosed Bandicoot	*Perameles nasuta*
POSSUMS	
Sugar Glider	*Petaurus breviceps*
Common Ringtailed Possum	*Pseudocheirus peregrinus*
Common Brushtail Possum	*Trichosurus vulpecular*
MACROPODS	
Swamp Wallaby	*Wallabia bicolor*
MEGA BATS	
Grey-headed Flying Fox	*Pteropus poliocephalus V*
MICRO BATS	
Eastern Bentwing-bat *V*	*Miniopterus schreibersii oceanesis*
Gould's Wattled Bat	*Chalinolobus gouldii*
White-striped Freetail-bat	*Tadarida australis*
Lesser Long-eared Bat	*Nyctophilus geoffroyi*
Little Forest Bat	*Vespadelus vulturnus*
PLACENTAL [EUTHERIAN]	
RODENTS	
Water-rat	*Hydromys chrysogaster*
Bush Rat	*Rattus fuscipes*
House Mouse *	*Mus musculus*
Brown Rat *	*Rattus norvegicus*
Brown Rat *	*Rattus rattus*
CARNIVORANS	
Australian Fur Seal	*Arctocephalus pusillus doriferus*
New Zealand Fur Seal	*Arctocephalus forsteri*
Red Fox *	*Vulpes vulpes*
Cat *	*Felis catus*
HARES AND RABBITS	
European Rabbit*	*Oryctolagus cuniculus*
MARINE MAMMALS	
Indo-Pacific Bottlenose Dolphin	*Tursiops aduncus*

Reptile Species of Willoughby	
Common Name	***Genus-species***
BLIND SNAKES	
Blind Snake	*Ramphotyphlops sp.*
PYTHONS	
Diamond Python	*Morelia spilota spilota*
TREE SNAKES	
Common Tree Snake	*Dendrelaphis punctulatus*
Brown Tree Snake	*Boiga irregularis*
ELAPID SNAKES	
Eastern Brown Snake	*Pseudonaja textilis*
Red Bellied Black Snake	*Pseudechis porphyriacus*
Golden Crown Snake	*Cacophis squamulosus*

Eastern Small Eyed Snake	*Rhinoplocephalus nigrescens*
Yellow-faced Whip Snake	*Demansia psammophis*
GOANNAS	
Lace Monitor	*Varanus varius*
DRAGONS	
Eastern Water Dragon	*Physignathus lesueurii*
GECKOS	
Broad-tailed Gecko	*Phyllurus platurus*
LEGLESS LIZARDS	
Burton's Legless Lizard	*Lialis burtonis*
SKINKS	
Red-throated Skink	*Acritoscincus platynota*
Eastern Water-skink	*Eulamprus quoyii*
Three-toed Skink	*Saiphos equalis*
Wall or Fence Skink	*Cryptoblepharus virgatus*
Weasel Skink	*Saproscincus mustelinus*
Bar-sided Skink	*Eulamprus tenuis*
Copper-tail Skink	*Ctenotus taeniolatus*
Gully Skink	*Saproscincus spectabilis*
Cunningham's Skink	*Egernia cunninghami*
Pale-flecked Garden Sunskink	*Lampropholis guichenoti*
Dark-flecked Garden Sunskink	*Lampropholis delicata*
Eastern Blue-tongue Lizard	*Tiliqua scincoides*
FRESHWATER TURTLES	
Jardine Turtle	*Emydura subglobosa*
Eastern Snake-necked Turtle	*Chelodina longicollis*
Red-eared Slider Turtle *	*Trachemys scripta elegans*
SEA TURTLES	
Green Turtle	*Chelonia mydas V*

Bird Species of Willoughby	
(NON-PASSERINIES/NON-PERCHING BIRDS)	
Common Name	***Genus-species***
MEGAPODES	
DUCKS	
Australian Wood Duck	*Chenonetta jubata*
Cotton Pygmy-goose	*Nettapus coromandelianus E1*
Mallard	*Anas platyrhynchos*
Pacific Black Duck	*Anas superciliosa*
Chestnut Teal	*Anas castanea*
WATER BIRDS	
Australasian Grebe	*Tachybaptus novaehollandiae*
Darter	*Anhinga melanogaster*
Little Penguin	*Eudyptula minor*
CORMORANTS	
Little Pied Cormorant	*Phalacrocorax melanoleucos*
Pied Cormorant	*Phalacrocorax varius*
Little Black Cormorant	*Phalacrocorax sulcirostris*
Great Cormorant	*Phalacrocorax carbo*
PELICAN	
Australian Pelican	*Pelecanus conspicillatus*
HERONS, EGRETS	
White-faced Heron	*Egretta novaehollandiae*
White-necked Heron	*Ardea pacifica*
Great Egret	*Ardea alba*
Cattle Egret	*Ardea ibis*
Striated Heron	*Butorides striatus*
Nankeen Night Heron	*Nycticorax caledonics*
IBIS	
Australian White Ibis	*Threskiornis molucca*
Straw-necked Ibis	*Threskiornis spinicollis*
Royal Spoonbill	*Platalea regia*
KITES, EAGLE, HAWKS	
Osprey	*Pandion haliaetus V*
Pacific Baza	*Aviceda subcristata*
Black-shouldered Kite	*Elanus axillaris*
Black Kite	*Milvus migrans*
Whistling Kite	*Haliastur sphenurus*
White-bellied Sea-eagle	*Haliaeetus leucogaster*
Brown Goshawk	*Accipiter fasciatus*
Grey Goshawk	*Accipiter novaehollandiae*
Collared Sparrowhawk	*Accipiter cirrhocephalus*
Wedge-tailed Eagle	*Aquila audax*
FALCONS	
Brown Falcon	*Falco berigora*

Australian Hobby	*Falco longipennis*
Peregrine Falcon	*Falco peregrinus*
Nankeen Kestrel	*Falco cenchroides*
MOUND BUILDERS, TRUE QUAILS	
Australian Brush Turkey	*Alectura lathami*
Brown Quail	*Coturnix ypsilophora*
CRAKES	
Buff-banded Rail	*Gallirallus philippensis*
Lewin's Rail	*Lewinia pectoralis*
BUTTON QUAIL	
Painted Button-quail	*Turnix varius*
MOORHENS	
Dusky Moorhen	*Gallinula tenebrosa*
LAPWINGS	
Masked Lapwing	*Vanellus miles*
GULLS, TERNS	
Silver Gull	*Larus novaehollandiae*
Crested Tern	*Sterna bergii*
PIGEONS, DOVES	
Rock Dove	*Columba livia **
White-headed Pigeon	*Columba leucomela*
Spotted Turtle-Dove	*Streptopelia chinensis **
Brown Cuckoo-Dove	*Macropygia amboinensis*
Emerald Dove	*Chalcophaps indica*
Crested Pigeon	*Ocyphaps lophotes*
Wonga Pigeon	*Leucosarcia melanoleuca*
Rose-crowned Fruit-Dove	*Ptilinopus regina V*
Superb Fruit-Dove	*Ptilinopus superbus V*
Topknot Pigeon	*Lopholaimus antarcticus*
COCKATOOS	
Yellow-tailed Black Cockatoo	*Calyptorhynchus funereus*
Galah	*Cacatua roseicapilla*
Little Corella	*Cacatua sanguinea*
Sulphur-crested Cockatoo	*Cacatua galerita*
Major Mitchell's Cockatoo	*Lophochroa leadbeateri V*
Cockatiel	*Nymphicus hollandicus*
PARROTS	
Rainbow Lorikeet	*Trichoglossus haematodus*

Scaly-breasted lorikeet	*Trichoglossus chlorolepidotus*
Musk Lorikeet	*Glossopsitta concinna*
Little Lorikeet	*Glossopsitta pusilla*
Australian King-Parrot	*Alisterus scapularis*
Superb Parrot	*Polytelis swainsonii V*
Crimson Rosella	*Platycercus elegans*
Eastern Rosella	*Platycercus eximius*
CUCKOOS	
Fan-tailed Cuckoo	*Cacomantis flabelliformis*
Horsfield's Bronze-cuckoo	*Chrysococcyx basalis*
Shining Bronze-cuckoo	*Chrysococcyx lucidus*
Common Koel	*Eudynamys scolopacea*
Channel-billed Cuckoo	*Scythrops novaehollandiae*
Pheasant Coucal	*Centropus phasianinus*
OWLS	
Powerful Owl	*Ninox strenua V*
Barking Owl	*Ninox connivens V*
Southern Boobook	*Ninox novaeseelandiae*
Barn Owl	*Tyto alba*
Masked Owl	*Tyto novaehollandiae V*
NIGHTJARS	
Australian Owlet-Nightjar	*Aegotheles cristatus*
FROGMOUTHS	
Tawny Frogmouth	*Podargus strigoides*
SWIFTS	
White-throated Needletail	*Hirundapus caudacutus*
Fork-tailed Swift	*Apus pacificus*
KINGFISHERS	
Laughing Kookaburra	*Dacelo novaeguineae*
Azure Kingfisher	*Alcedo azurea*
Sacred Kingfisher	*Todiramphus sanctus*
DOLLARBIRDS	
Dollarbird	*Eurystomus orientalis*
PITTAS	
Noisy Pitta	*Pitta versicolor*
LYREBIRD	
Superb Lyrebird	*Menura novaehollandiae*

(PASSERINES/SONG BIRDS)	
TREECREEPERS	
White-throated Treecreeper	*Cormobates leucophaeus*
FAIRY-WRENS	
Superb Fairy-wren	*Malurus cyaneus*
Variegated Fairy-wren	*Malurus lamberti*
PARDALOTES, THORNBILLS, GERYGONES	
Spotted Pardalote	*Pardalotus punctatus*
White-browed Scrubwren	*Sericornis frontalis*
Brown Gerygone	*Gerygone mouki*
White-throated Gerygone	*Gerygone olivacea*
Brown Thornbill	*Acanthiza pusilla*
Yellow Thornbill	*Acanthiza nana*
Striated Thornbill	*Acanthiza lineata*
HONEYEATERS	
Red Wattlebird	*Anthochaera carunculata*
Little Wattlebird	*Anthochaera chrysoptera*
Noisy Friarbird	*Philemon corniculatus*
Noisy Miner	*Manorina melanocephala*
Lewin's Honeyeater	*Meliphaga lewinii*
Yellow-faced Honeyeater	*Lichenostomus chrysops*
New Holland Honeyeater	*Phylidonyris novaehollandiae*
White-cheeked Honeyeater	*Phylidonyris nigra*
Eastern Spinebill	*Acanthorhynchus tenuirostris*
Scarlet Honeyeater	*Myzomela sanguinolenta*
ROBINS	
Rose Robin	*Petroica rosea*
Eastern Yellow Robin	*Eopsaltria australis*
WHIPBIRDS	
Eastern Whipbird	*Psophodes olivaceus*
WHISTLERS	
Crested Shrike-tit	*Falcunculus frontatus*
Golden Whistler	*Pachycephala pectoralis*
Rufous Whistler	*Pachycephala rufiventris*
Grey Shrike-thrush	*Colluricincla harmonica*
MONARCH FLYCATCHERS, FANTAILS	
Black-faced Monarch	*Monarcha melanopsis*
Leaden Flycatcher	*Myiagra rubecula*

Magpie-lark	*Grallina cyanoleuca*
Rufous Fantail	*Rhipidura rufifrons*
Grey Fantail	*Rhipidura fuliginosa*
Willie Wagtail	*Rhipidura leucophrys*
Spangled Drongo	*Dicrurus bracteatus*
CUCKOO-SHRIKES, TRILLERS	
Black-faced Cuckoo-shrike	*Coracina novaehollandiae*
White-winged Triller	*Lalage sueurii*
ORIOLES, FIGBIRDS	
Olive-backed Oriole	*Oriolus sagittatus*
Figbird	*Sphecotheres viridis*
BUTCHERBIRDS, MAGPIES	
Grey Butcherbird	*Cracticus torquatus*
Australian Magpie	*Gymnorhina tibicen*
Pied Currawong	*Strepera graculina*
CORVIDS	
Australian Raven	*Corvus coronoides*
MUDNESTERS, WOODSWALLOWS	
White-winged Chough	*Corcorax melanorhamphos*
Dusky Woodswallow	*Artamus cyanopterus*
BOWERBIRDS	
Satin Bowerbird	*Ptilonorhynchus violaceus*
LARKS, FINCHES	
House Sparrow	*Passer domesticus* *
Zebra Finch	*Taeniopygia guttata*
Red-browed Finch	*Neochmia temporalis*
MISTLETOEBIRD	
Mistletoebird	*Dicaeum hirundinaceum*
SWALLOWS	
Welcome Swallow	*Hirundo neoxena*
Tree Martin	*Hirundo nigricans*
BULBULS	
Red-whiskered Bulbul	*Pycnonotus jocosus* *
CISTICOLAS	
Golden-headed Cisticola	*Cisticola exilis*
SILVEREYES	
Silvereye	*Zosterops lateralis*

THRUSHES	
Common Blackbird	*Turdus merula* *
STARLINGS, MYNAS	
Common Starling	*Sturnus vulgaris* *
Common Myna	*Acridotheres tristis* *

Invertebrate Fauna Species of Willoughby City Council LGA 2014

Still largely un-documented, invertebrates usually make up the largest number of species in any environment. Please note these records should be used as a guide only as identification of some species of invertebrates have not been verified. Invertebrates in general are not as well studied as vertebrate fauna and there are many species for which there is no common name.

INSECTS

Common Name	***Genus-species***
DRAGONFLIES/DAMSELFLIES	
Blue-Spotted Hawker	*Adversaeschna brevistyla*
Wandering Percher	*Diplacodes bipunctata*
Common Bluetail	*Ischnura heterosticta*
COCKROACHES	
Bush Cockroach	*Ellipsidion humerale*
Cockroach	*Methana sp.*
American Cockroach	*Periplaneta americana* *
TERMITES	
Tree Termite	*Nasutitermes walkeri*
GRASSHOPPERS (CRICKETS, KATYDIDS)	
Short horned Katydid	
Blackish Meadow Katydid	*Conocephalus semivittatus*
TRUE BUGS, CICADAS	
Black Prince	*Psaltoda plaga*
Red Eye	*Psaltoda moerens*
Double Drummer	*Thopha saccata*
Cherrynose Cicada	*Macrotristria angularis*
Floury Baker	*Abricta curvicosta*
Greengrocer	*Cyclochila australasiae*
Brown Shield Bug	*Poecilometis sp.*
PLANT HOPPERS	
Acacia Horned Treehopper	*Sextius virescens*
Blackish Meadow Katydid	*Conocephalus semivittatus*
ANTS	
	Anonychomyrma sp.
	Doleromyrma sp.
Brown Tyrant Ant	*Iridomyrmex sp.*
	Papyrius sp.
Leafcutter Ant	*Calcomyrmex sp.*
Sugar Ant	*Camponotus sp.*
Sugar Ant	*Camponotus prostans*
	Notoncus sp.
	Paratrechina sp.
Spiny Ant	*Polyrhachis sp.*
Common Black Ant	*Prolasius sp.*
Snuggle-pot Ant	*Stigmacros sp.*
Acrobat Ant	*Crematogaster sp.*
Shield Ant	*Meranoplus sp.*
	Monomorium sp.
Jumping Ant	*Myrmecia nigrocincta*
Big Headed Ant	*Pheidole sp.*
	Rhoptromyrmex sp.
Pennant Ant	*Tetramorium sp.*
Green-headed Ant	*Rhytidoponera sp.*
Green-headed Ant	*Rhytidoponera metalica*
Green-headed Ant	*Rhytidoponera chalybaea*
WASPS	
Spider wasp	*Cryptocheilus bicolour*
Common Paper wasp	*Polistes humilis*
Brachonid Wasp	*Callibracon sp.*
Mud-Dauber Wasp	*Sceliphron sp.*
BEES	
Blue Banded Bee	*Amegilla cingulata*
Common Wasp-mimic Bee	*Hyleoides concinna*
Leafcutter Bee	*Megachile sp.*
Cuckoo Bee	*Thyreus sp.*
Masked Bee	*Hylaeus sp.*

Nomia Bee	*Nomia sp.*
Teddy Bear Bee	*Amegilla sp.*
Green Carpenter Bee	*Xylocopa sp.*
Reed Bee	*Exoneura sp.*
Honey bee *	*Apis mellifera*
BEETLES	
Pintail Beetle	*Mordella sp.*
Pittosporum beetle	*Lamprolina impressicollis*
Longicorn beetle	*Xystrocera sp.*
Netty Ladybird Beetle	*Harmonia testudinaria*
Flower Beetle	*Chondropyga dorsalis*
Tricolour Soldier Beetle	*Chauliognathus tricolor*
Lantana Leafminer Beetle *	*Octotoma scabripennis*
Darkling Beetle	*Chalcopteroides sp.*
Decora Longicorn Beetle	*Amphirhoe decora*
Fiddle Beetle	*Eupoecila australasiae*
LACEWINGS	
Green Lacewings	*Chrysopa sp.*
TRUE FLIES	
Longlegged Fly	*Sciapus sp.*
Giant Robber Fly	*Phellus olgae*
Flesh Fly	*Sarcophaga aurifrons*
Snail Parasite Fly	*Amenia imperialis*
BUTTERFLIES, MOTHS & SKIPPERS	
Blue Triangle Butterfly	*Graphium sarpedon*
Orchard Butterfly	*Papilio aegeus aegeus*
Monarch Butterfly *	*Danaus plexippus*
Brown Butterfly	*Heteronympha merope*
Meadow Argus Butterfly	*Junonia villida calybe*
Australian Admiral Butterfly	*Vanessa itea*
Cabbage White Butterfly *	*Pieris rapae*
Common Grass Blue Butterfly	*Zizina labradus*
Bogong Moth	*Agrotis infusa*
Emperor Gum Moth	*Opodiphthera eucalypti*
White Stemmed Gum Moth	*Chelepteryx collesi*
Giant Wood Moth	*Endoxyla cinereus*
Privet Hawk Moth	*Psilogramma menephron*
Looper Moth	*Geometridae*
Tiger moth	*Amata*
Granny's Cloak Moth	*Speiredonia spectans*

Common Crow	*Euploea core*
Common Brown Ringlet	*Hypocysta metirius*
Caper White Butterfly	*Belenois java*
Dark Pencil-blue	*Candalides consimilis*

SPIDER, MITES (ARACNIDS)	
Common Name	***Genus-species***
Funnel web spider	*Atrax robustus*
St Andrews Cross	*Argiope keyserlingi*
	Argiope sp.
Net Casting Spider	*Deinopsis subrufa*
Net Casting Spider	*Avella sp.*
Crab Spider	*Diaea sp.*
Brown Huntsman	*Heteropoda cervina*
Huntsman	*Heteropoda jugulans*
Huntsman	*Holconia vasta*
Lynx Spiders	*Oxyopes elegans*
Jumping Spider	*Euryattus bleekeri*
Bronze Aussie Jumper	*Helpis minitabunda*
Jumping Spider	*Hypoblemun albovittatum*
Jumping Spider	*Lycidas scutulatus*
Jumping Spider	*Opisthoncus mordax*
Jumping Spider	*Servaea vestita*
Cob web Spider	*Anelosimus sp.*
Black house Spider	*Badumna insignis*
Orb Weaving Spider	*Araneus cyphoxis*
Orb Weaving Spider	*Eriophora transmarina*
Orb Weaving Spider	*Eriophora sp.*
Golden Orb Weaving Spider	*Nephila plumipes*
Orb weaving Spider	*Nephila ornata*
Orb weaving Spider	*Leucage dromedaria*
White Tailed Spider	*Lampona murina*
Leaf Curling Spider	*Phonognatha graeffei*
Crab Spider (green)	*Dieria punctata*
Hairy Crab Spider	*Sidemella hirsuita*
Crab Spider (Flower Spider)	*Sidemella trapezia*
Crab Spider	*Stephanopis barpipes*
Crab Spider (Flower Spider)	*Thomisius spectabilis var*
Spitting Spider	*Scytodes sp.*

MOLLUSCS	
Common Name	***Genus-species***
SNAILS & SLUGS	
Red Triangle Slug	*Triboniophorus graeffei*
Leopard Slug *	*Limax maximus*
Garden Snail *	*Cantareus aspersus*
Midden Snail	*Meridolum middenense*
Native Snail	*Austrochloritis sydneyensis*

NOTES

E1 - Listed as Endangered
V - Listed as Vulnerable
***** - Introduced Species

3. Aboriginal Archaeological Information

Willoughby City Council as land owner and land manager has a responsibility to protect Aboriginal archaeological heritage sites located within the Willoughby LGA. All Aboriginal sites (or 'objects') in NSW are protected under the *National Parks and Wildlife Act 1974*, regardless of land tenure. Aboriginal sites that have not yet been recorded also have legal protection.

Willoughby contains over 140 known Aboriginal archaeological sites and quite possibly has many more in undisturbed bushland areas. The varied ecological communities, sandstone rock outcrops, platforms and ledges, and both fresh and saltwater options made the Willoughby area an important resource for the local indigenous people. The indigenous people that inhabited the Willoughby area were from the Gameraygal clan.

The following is a description of the types of sites found and possible sites in the Willoughby area. Later in this document under 'Reserve Profile', the site type including the Aboriginal Heritage Office number (AHO#) and Aboriginal Heritage Information Management System number (AHIMS#) has been included. Willoughby City Council keeps the exact locations of these sites confidential to reduce potential impacts from increased visitor numbers. The locations of sites are used by Council staff to guide best management practices to preserve these important Aboriginal artefacts.

3.1 Aboriginal Site Definitions for the Sydney Region

The following Aboriginal site definitions are for the entire Sydney region with many but not all examples found in the Willoughby LGA.

Shell Middens

Middens are shell mounds built up over hundreds of years as a result of countless meals of shellfish. They are found along ocean coasts, estuaries, rivers and inland lakes, and primarily contain mature specimens of edible shellfish species. They may also contain pieces of clay, bird, fish and animal teeth and bones, campfire charcoal, stone flakes and the remains of tools. Less commonly found in middens are remains from human burials. Middens differ immensely in shape and size, from a few shells scattered on the surface, to deposits that are metres thick and buried beneath vegetation. Middens are the most common and most visible Aboriginal site along the Australian coast. Natural shell deposits can be differentiated from middens because they consist of mature and immature, edible and inedible shellfish, and would contain no large amounts of charcoal or stone tools. Wave action would also have sifted the shells into layers, with the larger ones at the top and the smaller ones at the bottom.

Shelter with Art

Shelters with art can be found throughout the Willoughby area. These sites are clearly defined by either stencil art or charcoal. Stencils are produced by mixing ochre in the mouth into a wet paste, then spraying it over the object to be stenciled onto the wall of the shelter. This method was used throughout Australia, and if the shelter is protected from the elements, then the artwork will still be visible. Other forms of artwork include ochre paintings, as well as charcoal drawings and etchings, although stencil art was the most common method.

Rock Paintings

Aboriginal paintings are found on the ceilings and walls of rock shelters, which occur wherever suitable rock surfaces and outcrops exist. Figures include Humans, Kangaroos, Emus, Echidnas, grid patterns, animal tracks, boomerangs, axes, hand stencils and other motifs. Paintings are drawn with white, red, yellow and black pigments and charcoal drawings are also common.

Isolated Find

A single artefact is an isolated find. These can be verified by identifying the stone and sourcing its origin, or verifying the manufacturing scars on the artefact. The isolated find can be a flaked stone, core or any finished implement. Raw materials most commonly used are chert, silcrete, and mudstones, while larger axe heads are usually made from river rocks or iron stone materials. Although isolated finds are generally artefacts found on their own, they often imply other artefacts will be present in associated deposit nearby.

Axe Grinding Grooves

These are grooves resulting from the production or sharpening and maintenance of an edge ground tool. These sites are generally located near creeks or rock pools. There are a number of grinding grooves located throughout Willoughby and the general Sydney area.

Bora or Ceremonial Ground

Bora grounds are Aboriginal ceremonial places. These are where initiation ceremonies are performed and are often meeting places as well. A bora ground most commonly consists of two circles marked by raised earth banks, and connected by a pathway. One of the rings would have been for everyone - uninitiated men, women and children. The second ring would have been for initiated men and the young men about to be initiated. Occasionally, one ring can be found that would have been used for corroborees and for the rare fight. Bora grounds are a reminder of the spiritual beliefs and ceremonial life of the Aboriginal people. They are most at risk from natural processes. The circles flatten over time and become overgrown with vegetation similar to the surrounding area. However, because the soil has been compacted, there will be slight changes in the vegetation, and these differences can often be detected from an aerial view.

Burials

Aboriginal people feel equally as respectful about prehistoric burials as modern cemeteries. As Aboriginal people have lived in Australia for well over 50,000 years burials are seen as part of a continuing culture and tradition as well as offering valuable archaeological information. The dead were sometimes cremated, sometimes placed in trees or rock ledges and sometimes buried.

Burial sites exist throughout New South Wales and can be accidentally uncovered in construction work or become exposed through erosion. It is important that if a skeleton is found it be reported to the police, to a representative of the National Parks and Wildlife Service and to the Local Aboriginal Land Council. Burials are found where soft soils are located. Burial sites can be found throughout the Sydney area, and a number have been found over the past years in middens and within shelters. Traditional burial practices for the Guringai people are unclear; however, it is known that traditional practices gave way when disease from the European invasion ravaged the groups throughout Sydney. Burials are an important part of Aboriginal culture, and contemporary practice is to recover what remains have been excavated and rebury them in a secure place at the location of origin. This practice is the consensus of the Metropolitan Local Aboriginal Land Council.

Rock Engraving

Engravings occur throughout Willoughby, as well as in the Hawkesbury sandstone formations in the general Sydney area. The Sydney area has probably more than 2000 engraving sites, only half of which have been accurately recorded (Stanbury & Clegg, 1990). Rock engravings are usually located on highly elevated, smooth, flat surfaces, but in some instances can be found on large vertical rocks. They were made by drilling a series of holes in turn were then connected to form a line. In the local area, designs include fish, animals, humans, wooden artefacts, and mythological beings. The precise meanings behind the engravings are not known. Interpretations of what the engravings meant to their makers are sketchy, but the most accepted understanding is that they are products of sacred ceremonies, which were periodically re-engraved as part of ongoing rituals. Because there are no initiated descendants of the people who made the engravings, no one is able to re-engrave them in a culturally appropriate way. They are therefore eroding away from natural causes, human foot traffic, and the ever-increasing use of remnant bushland. Engravings occur usually where there is a suitable exposure of fairly flat, soft rock or in rock overhangs. People, animal shapes and tracks are common as well as non-figurative designs such as circles.

Scarred Tree

Scarred trees sites are evidence of bark and wood being removed for shields, shelters, coolamons and canoes. Rare in the Sydney area, none are known within the Willoughby area. The trees can be divided into three groups:

- Bark removal for use e.g. Coolamons
- Wood removal for use e.g. boomerangs
- Evidence of climbing footholds e.g. hunting possum

The tree was not killed by these methods and therefore scarring is evident.

Carved Tree

Carved trees have complex patterns cut into the tree, where a piece of bark is removed and the underlying wood is carved. When a carved tree is found next to a grave, it is usually a sign of family ties or the totem of the deceased person. The designs are often intricate spirals, diamonds and circles, and were carved using a stone hatchet or, more recently, a steel axe. Carved trees are important because of the ceremonial meaning to Aboriginal people. They are probably the most naturally threatened site because of bush fires, environmental deterioration, and tree regrowth. They are also at risk from clearing. There are no carved trees surviving in the Sydney area.

Stone Quarry

A stone quarry is a site in which Aboriginal people collected suitable types of stone for the manufacturing of tools, ceremonial and sacred items. Some types of stone taken from quarries include silcrete, chert and some fine volcanics. Most of the fine stone flakes and tools found in the Willoughby area would have been traded in from other areas such as the north coast, Hunter Valley, and the Nepean River.

Ochre Quarry

An ochre quarry is a place Aboriginal people gathered the materials used for painting. Ochre was used for a wide range of purposes, such as ceremonial body decoration, and paint for art works and stenciling. Different colours were used for different purposes. In the Willoughby area, red and white ochres are common in rock shelters.

Fish Trap

Fish traps are rocks placed side by side to form a circle in water. Traps found in any single area can number from one up to a dozen. When the tide is high, fish swim into these pools, but are trapped when the tide lowers. Aboriginal people would then come along and remove the caught fish. Fish traps are found on the Australian coast in tidal areas, as well as along inland creeks and rivers.

Stone Arrangement

Stone arrangements are areas where stones are placed in a certain way to form circles, semi-circles, lines and routes. Smaller stones were used to keep the larger ones in place. The arrangements sometimes identified ceremonial grounds and tribal boundaries, as well as other sorts of ownership boundaries. Stone arrangements are at risk from logging, fire burn-off, rearrangement, and the removal of bush-rock for use in suburban gardens. There are very few stone arrangements left in the Sydney area. Care should always be taken when using stone from any bush area, since apart from being sacred to all Aboriginal people, stone arrangements often form homes to wildlife.

Water Hole

Water holes in the Willoughby area were used by the Guringai for sharpening tools and possibly as a source of fresh drinking water. These may have been constructed by cutting out the sandstone with axe heads to form a dish shape.

Seed Grinding Patches

Seed grinding patches are areas of rock worn smooth by Aboriginal women grinding seeds. The women removed the husks, then placed the seeds (e.g. Acacia, grass, Kurrajong and Wattle) between a large flat rock and a smaller round rock. The seeds were then ground into flour, which was mixed with water to form dough. The dough was then kneaded and cooked to make a type of damper, which was an essential part of the Aboriginal diet. Grinding stones / dishes and patches are commonly found in arid areas, but can be found anywhere. Grooves are located on flat rock exposures close to a stream or water hole. They vary in size but are generally long (about 30-40cm in length) and elliptical in shape.

Aboriginal Archaeological Site Descriptions supplied with permission by the Aboriginal Heritage Office, 2014.

4. Native Plants

The different types of native plants found in Willoughby are as varied and diverse as that of the entire Sydney region. With vegetation communities ranging from heath, scrub, woodlands, open and tall forests, rainforest and mangrove & saltmarsh the number of native plant species found is remarkably large. Many factors including landscape, geology and soil composition are important in determining where plant species are located. For example the soil of the higher ridges is high fertile clay, which includes Chatswood, much of Willoughby, and elevated sections of Artarmon and Naremburn and these areas previously were covered with Blue Gum High Forest. But due to clearing and urban pressures have now only a small amount of scattered trees. The frequency of fire also plays an important role where native plants are found, as many Australian species require the effects of fire to germinate. Council has a bushfire management program that assists to improve local biodiversity and encourage the regeneration of native plant species.

In such a highly urbanised area there are many pressures on all native plant communities that exist in the Willoughby LGA. These pressures include clearing, lack of recruitment of new plant seedlings, invasive weed plants, fragmentation of bushland, and stormwater carrying pollution and sedimentation. In fact stormwater is possibly the single most significant issue currently affecting bushland in Willoughby. For example Chatswood CBD has many hard surfaces that forces large amounts of water after rain into drains, which then flows into local creeks, polluting these waterways and the bushland reserves they enter. As mentioned previously, stormwater collects rubbish, chemicals, oil, weed seeds, excess nutrients and sedimentation, which then accumulates where the water finishes in bushland and also in Middle Harbour or the Lane Cove River. A lot of pest plant outbreaks in bushland reserves can be attributed to stormwater flows from the weed seeds the stormwater brings. Pest plants have a major impact on native plant communities.

Willoughby is fortunate to have two major and very different water catchment areas, the Lane Cove River catchment (west of Pacific Highway) and the Middle Harbour catchment (east of Pacific Highway). The Pacific Highway is a ridgeline with all the stormwater and other items running from here into the two major water courses. The Middle Harbour catchment can also be broken down further into four smaller catchment areas. These are the Scotts Creek catchment, Sugarloaf Creek catchment, Sailors Bay Creek catchment and the Flat Rock Creek catchment.

4.1 Vegetation Communities

Council has two methods for classifying native vegetation communities within the Willoughby LGA. Currently Council uses the native plant vegetation communities developed by Benson & Howell 1990, compiled by Ian Perkins for the Urban Bushland Plan of Management 1997 for classifying local native plant communities. These communities include:

- Sydney Sandstone Gully Forest (Open Forest/Woodland)
- Sydney Sandstone Gully Forest (Tall Open Forest)
- Sydney Sandstone Gully Forest (Closed Forest)
- Sydney Sandstone Ridgetop Woodland (Woodland/Low Woodland)
- Sydney Sandstone Ridgetop Woodland (Woodland)
- Coastal Sandstone Heath (Open heath/Closed Scrub)

- Estuarine Complex (Open Scrub)
- Estuarine Complex (Low Open Forest)
- Estuarine Complex (Rushland)
- Coastal Swamp Forest Complex (Scrub)

The second method for classifying native vegetation is in draft process and still requires ground truthing to determine the accuracy of information. This data was supplied by the Sydney Metropolitan Catchment Management Authority (SMCMA) now known as NSW Local Land Services. This data will continue to be checked for accuracy over time and will be implemented once complete.
The vegetation communities currently identified in Willoughby include:

- Coastal Sandstone Gallery Rainforest
- Blue Gum High Forest
- Coastal Enriched Sandstone Moist Forest
- Sydney Turpentine-Ironbark Forest
- Coastal Sand Apple-Bloodwood Forest
- Coastal Enriched Sandstone Sheltered Forest
- Coastal Sandstone Exposed Scribbly Gum Woodland
- Coastal Sandstone Foreshores Forest
- Coastal Sandstone Sheltered Peppermint-Apple Forest
- Estuarine Swamp Oak Forest
- Estuarine Mangrove Forest
- Estuarine Saltmarsh
- Seagrass Meadows

4.2 Native Plant Species List for Willoughby LGA

	Family	Genus-species
CLUB MOSS / QUILL WORT	Lycopodiaceae	*Lycopodiella lateralis*
	Selaginellaceae	*Selaginella uliginosa*
FORK FERNS	Psilotaceae	*Psilotum nudum*
CONIFERS	Cupressaceae	*Callitris sp.*
	Cupressaceae	*Callitris muelleri*
	Cupressaceae	*Callitris rhomboidea*
	Podocarpaceae	*Podocarpus elatus*
	Podocarpaceae	*Podocarpus spinulosus*
FERNS	Adiantaceae	*Adiantum aethiopicum*
	Adiantaceae	*Adiantum formosum*
	Adiantaceae	*Adiantum hispidulum*
	Aspleniaceae	*Asplenium australasicum*
	Aspleniaceae	*Asplenium flabellifolium*
	Blechnaceae	*Blechnum ambiguum*
	Blechnaceae	*Blechnum cartilagineum*
	Blechnaceae	*Blechnum nudum*
	Blechnaceae	*Doodia aspera*
	Blechnaceae	*Doodia caudata*
	Blechnaceae	*Doodia media*
	Cyatheaceae	*Cyathea australis*
	Cyatheaceae	*Cyathea cooperi*
	Cyatheaceae	*Cyathea leichhardtiana*
	Davalliaceae	*Davallia pyxidata*
	Dennstaedtiaceae	*Dennstaedtia davallioides*
	Dennstaedtiaceae	*Histiopteris incisa*

	Dennstaedtiaceae	*Hypolepis glandulifera*
	Dennstaedtiaceae	*Hypolepis muelleri*
	Dennstaedtiaceae	*Pteridium esculentum*
	Dicksoniaceae	*Calochlaena dubia*
	Dicksoniaceae	*Dicksonia antarctica*
	Gleicheniaceae	*Gleichenia dicarpa*
	Gleicheniaceae	*Gleichenia microphylla*
	Gleicheniaceae	*Gleichenia rupestris*
	Gleicheniaceae	*Gleichenia lobatus*
	Gleicheniaceae	*Sticherus flabellatus*
	Gleicheniaceae	*Sticherus tener*
	Grammitaceae	*Grammitis billardieri*
	Hymenophyllaceae	*Hymenophyllum cupressiforme*
	Lindsaeaceae	*Lindsaea linearis*
	Lindsaeaceae	*Lindsaea microphylla*
	Osmandaceae	*Todea barbara*
	Polypodiaceae	*Microsorum scandens*
	Polypodiaceae	*Platycerium bifurcatum*
	Polypodiaceae	*Pyrrosia rupestris*
	Pteridaceae	*Cheilanthes austrotenuifolia*
	Pteridaceae	*Cheilanthes distans*
	Pteridaceae	*Cheilanthes sieberi*
	Pteridaceae	*Pellaea falcata*
	Pteridaceae	*Pellaea paradoxa*
	Pteridaceae	*Pteris tremula*
	Pteridaceae	*Pteris umbrosa*
	Schizaeaceae	*Schizaea bifida*
	Schizaeaceae	*Schizaea dichotoma*
	Thelypteridaceae	*Christella dentata*
DICOTS	Acanthaceae	*Pseuderanthemum variabile*
	Acanthaceae	*Avicennia marina*
	Aizoaceae	*Tetragonia tetragonioides*

	Amaranthaceae	*Alternanthera denticulata*
	Apiaceae	*Actinotus helianthi*
	Apiaceae	*Actinotus minor*
	Apiaceae	*Apium graveolens*
	Apiaceae	*Centella asiatica*
	Apiaceae	*Hydrocotyle peduncularis*
	Apiaceae	*Hydrocotlye tripartita*
	Apiaceae	*Platysace lanceolata*
	Apiaceae	*Platysace linearifolia*
	Apiaceae	*Platysace stephensonii 3RC*
	Apiaceae	*Xanthosia pilosa*
	Apiaceae	*Xanthosia tridentata*
	Apocynaceae	*Parsonsia straminea*
	Araliaceae	*Astroticha latifolia*
	Araliaceae	*Astrotricha floccosa*
	Araliaceae	*Astrotricha longifolia*
	Araliaceae	*Polyscias murrayi*
	Araliaceae	*Polyscias sambucifolia*
	Asclepiadaceae	*Marsdenia suaveolens*
	Asclepiadaceae	*Marsdenia viridiflora*
	Asclepiadaceae	*Tylophora barbata*
	Asteraceae	*Aster subulatus*
	Asteraceae	*Cassinia aculeata*
	Asteraceae	*Cassinia arcuata*
	Asteraceae	*Cassinia denticulata*
	Asteraceae	*Cotula australis*
	Asteraceae	*Cotula coronopifolia*
	Asteraceae	*Crassocephalum crepidioides*
	Asteraceae	*Euchitongymnocephalus*
	Asteraceae	*Helichrysun elatum*
	Asteraceae	*Lagenifera stipitata*
	Asteraceae	*Olearia microphylla*
	Asteraceae	*Ozothamnus diosmifolium*

	Asteraceae	*Senecio diaschides*
	Asteraceae	*Senecio hispidulus*
	Asteraceae	*Sigesbeckia orientalis*
	Bignoniaceae	*Pandorea pandorana*
	Campanulaceae	*Wahlenbergia communis*
	Campanulaceae	*Wahlenbergia gracilis*
	Campanulaceae	*Wahlenbergia stricta*
	Cassythaceae	*Cassytha glabella*
	Cassythaceae	*cassytha paniculata*
	Cassythaceae	*Cassytha pubescens*
	Casuarinaceae	*Allocasuarina distyla*
	Casuarinaceae	*Allocasuarina littoralis*
	Casuarinaceae	*Allocasuarina littoralis x distyla*
	Casuarinaceae	*Allocasuarina torulosa*
	Casuarinaceae	*Allocasuarina verticillata*
	Casuarinaceae	*Casuarina glauca*
	Celastraceae	*Maytenus silvestris*
	Chenopodiaceae	*Atriplex australasica*
	Chenopodiaceae	*Sacocornia quinqueflora*
	Clusiaceae	*Hypericum gramineum*
	Convolvulaceae	*Calystegia marginata*
	Convolvulaceae	*Dichondra repens*
	Convolvulaceae	*Polymeria calycina*
	Crassulaceae	*Crassula sieberiana*
	Cunoniaceae	*Bauera microphylla*
	Cunoniaceae	*Bauera rubioides*
	Cunoniaceae	*Callicoma serratifolia*
	Cunoniaceae	*Callicoma serratifolia*
	Cunoniaceae	*Ceratopetalum apetalum*
	Cunoniaceae	*Ceratopetalum gummiferum*
	Cunoniaceae	*Schizomeria ovata*
	Dilleniaceae	*Hibbertia aspera*
	Dilleniaceae	*Hibbertia dentata*

	Dilleniaceae	*Hibbertia diffusa*
	Dilleniaceae	*Hibbertia empetrifolia*
	Dilleniaceae	*Hibbertia fasciculata*
	Dilleniaceae	*Hibbertia linearis*
	Dilleniaceae	*Hibbertia nitida*
	Dilleniaceae	*Hibbertia obtusifolia*
	Dilleniaceae	*Hibbertia scandens*
	Droseraceae	*Drosera spathulata*
	Droseraceae	*Drosera auriculata*
	Droseraceae	*Drosera peltata*
	Elaeocarpaceae	*Elaeocarpus reticulatus*
	Ericaceae Styphelioideae	*Astroloma humifusum*
	Ericaceae Styphelioideae	*Brachyloma daphnoides*
	Ericaceae Styphelioideae	*Dracophyllum secundum*
	Ericaceae Styphelioideae	*Epacris crassifolia*
	Ericaceae Styphelioideae	*Epacris longiflora*
	Ericaceae Styphelioideae	*Epacris microphylla*
	Ericaceae Styphelioideae	*Epacris obtusifolia*
	Ericaceae Styphelioideae	*Epacris pulchella*
	Ericaceae Styphelioideae	*Epacris purpurascens var. purpurascens*
	Ericaceae Styphelioideae	*Epacris reclinata*
	Ericaceae Styphelioideae	*Leucopogon amplexicaulis*
	Ericaceae Styphelioideae	*Leucopogon ericoides*
	Ericaceae Styphelioideae	*Leucopogon juniperinus*
	Ericaceae Styphelioideae	*Leucopogon lanceolatus*
	Ericaceae Styphelioideae	*Leucopogon microphyllus*
	Ericaceae Styphelioideae	*Leucopogon setiger*
	Ericaceae Styphelioideae	*Lissanthe strigosa*
	Ericaceae Styphelioideae	*Monotoca elliptica*
	Ericaceae Styphelioideae	*Monotoca scoparia*
	Ericaceae Styphelioideae	*Sprengelia incarnata*
	Ericaceae Styphelioideae	*Styphelia laeta*
	Ericaceae Styphelioideae	*Styphelia longifolia*

	Ericaceae Styphelioideae	*Styphelia tubiflora*
	Ericaceae Styphelioideae	*Woollsia pungens*
	Ericaceae Styphelioideae	*Trochocarpa laurina*
	Ericaceae Styphelioideae	*Acrotriche divaricata*
	Euphorbiaceae	*Amperea xiphoclada*
	Euphorbiaceae	*Breynia oblongifolia*
	Euphorbiaceae	*Glochidion ferdinandi*
	Euphorbiaceae	*Micrantheum ericoides*
	Euphorbiaceae	*Monotaxis linifolia*
	Euphorbiaceae	*Omalanthus populifolius*
	Euphorbiaceae	*Phyllanthus gastroemii*
	Euphorbiaceae	*Phyllanthus hirtellus (syn. P. thymoides)*
	Euphorbiaceae	*Poranthera microphylla*
	Euphorbiaceae	*Ricinocarpos pinifolius*
	Eupomatiaceae	*Eupomatia laurina*
	Fabaceae Faboideae	*Aotus ericoides*
	Fabaceae Faboideae	*Bossiaea ensata*
	Fabaceae Faboideae	*Bossiaea heterophylla*
	Fabaceae Faboideae	*Bossiaea obcordata*
	Fabaceae Faboideae	*Bossiaea rhombifolia*
	Fabaceae Faboideae	*Bossiaea scolopendria*
	Fabaceae Faboideae	*Daviesia ulicifolia*
	Fabaceae Faboideae	*Desmodium rhytidophyllum*
	Fabaceae Faboideae	*Desmodium varians*
	Fabaceae Faboideae	*Dillwynia floribunda*
	Fabaceae Faboideae	*Dillwynia glaberrima*
	Fabaceae Faboideae	*Dillwynia retorta*
	Fabaceae Faboideae	*Dillwynia sp.*
	Fabaceae Faboideae	*Glycine clandestina*
	Fabaceae Faboideae	*Glycine microphylla*
	Fabaceae Faboideae	*Glycine tabacina*
	Fabaceae Faboideae	*Gompholobium glabratum*
	Fabaceae Faboideae	*Gompholobium grandiflorum*

	Fabaceae Faboideae	*Gompholobium latifolium*
	Fabaceae Faboideae	*Gompholobium minus*
	Fabaceae Faboideae	*Hardenbergia violacea*
	Fabaceae Faboideae	*Hovea linearis*
	Fabaceae Faboideae	*Hovea longifolia*
	Fabaceae Faboideae	*Hovea purpurea*
	Fabaceae Faboideae	*Indigofera australis*
	Fabaceae Faboideae	*Kennedia rubicunda*
	Fabaceae Faboideae	*Mirbelia rubiifolia*
	Fabaceae Faboideae	*Phyllota phylicoides*
	Fabaceae Faboideae	*Platylobium formosum ssp formosum*
	Fabaceae Faboideae	*Pultenaea daphnoides*
	Fabaceae Faboideae	*Pultenaea elliptica*
	Fabaceae Faboideae	*Pultenaea ferruginea*
	Fabaceae Faboideae	*Pultenaea ferruginea var deanei*
	Fabaceae Faboideae	*Pultenaea flexilis*
	Fabaceae Faboideae	*Pultenaea polifolia*
	Fabaceae Faboideae	*Pultenaea retusa*
	Fabaceae Faboideae	*Pultenaea rosmarinifolia*
	Fabaceae Faboideae	*Pultenaea stipularis*
	Fabaceae Faboideae	*Viminaria juncea*
	Fabaceae-Mimosoideae	*Acacia binervia*
	Fabaceae-Mimosoideae	*Acacia decurrens*
	Fabaceae-Mimosoideae	*Acacia elata*
	Fabaceae-Mimosoideae	*Acacia elongata*
	Fabaceae-Mimosoideae	*Acacia falcata*
	Fabaceae-Mimosoideae	*Acacia floribunda*
	Fabaceae-Mimosoideae	*Acacia hispidula*
	Fabaceae-Mimosoideae	*Acacia implexa*
	Fabaceae-Mimosoideae	*Acacia irrorata*
	Fabaceae-Mimosoideae	*Acacia linifolia*
	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*
	Fabaceae-Mimosoideae	*Acacia longissima*

	Fabaceae-Mimosoideae	*Acacia mearnsii*
	Fabaceae-Mimosoideae	*Acacia myrtifolia*
	Fabaceae-Mimosoideae	*Acacia parramattensis*
	Fabaceae-Mimosoideae	*Acacia stricta*
	Fabaceae-Mimosoideae	*Acacia suaveolens*
	Fabaceae-Mimosoideae	*Acacia terminalis*
	Fabaceae-Mimosoideae	*Acacia ulicifolia*
	Geraniaceae	*Geraneum homeanum*
	Geraniaceae	*Geranium neglectum*
	Geraniaceae	*Geranium solanderi*
	Geraniaceae	*Pelargonium inodorum*
	Goodeniaceae	*Dampiera purpurea*
	Goodeniaceae	*Dampiera stricta*
	Goodeniaceae	*Goodenia bellidifolia*
	Goodeniaceae	*Goodenia dimorpha*
	Goodeniaceae	*Goodenia hederaceae*
	Goodeniaceae	*Goodenia heterophylla*
	Goodeniaceae	*Goodenia sp*
	Goodeniaceae	*Goodenia stelligera*
	Goodeniaceae	*Scaevola ramosissima*
	Goodeniaceae	*Selliera radicans*
	Goodeniaceae	*Velleia spathulata*
	Haloragaceae	*Gonocarpus micranthus*
	Haloragaceae	*Gonocarpus teucrioides*
	Haloragaceae	*Haloragis heterophylla*
	Hypericaceae	*Hypericum gramineum*
	Lamiaceae	*Hemigenia pupurea*
	Lamiaceae	*Plectranthus parvifolius*
	Lamiaceae	*Prostanthera denticulata*
	Lamiaceae	*Prostanthera linearis*
	Lamiaceae	*Prosanthera ovalifolia*
	Lauraceae	*Cryptocarya glaucescens*
	Linaceae	*Linum marginale*

	Lobeliaceae	*Isotoma fluviatilis*
	Lobeliaceae	*Lobelia alata*
	Lobeliaceae	*Lobelia dentata*
	Lobeliaceae	*Lobelia gibbosa*
	Lobeliaceae	*Lobelia gracilis*
	Lobeliaceae	*Pratia purpurascens*
	Loganiaceae	*Logania albiflora*
	Loganiaceae	*Mitrasacme polymorpha*
	Loranthaceae	*Amyema congener ssp congener*
	Loranthaceae	*Amyema miquelii*
	Malvaceae	*Brachychiton acerifolius*
	Meliaceae	*Synoum glandulosum*
	Menispermaceae	*Sarcopetalum harveyanum*
	Menispermaceae	*Stephania japonica*
	Moraceae	*Ficus coronata*
	Moraceae	*Ficus macrophylla*
	Moraceae	*Ficus rubiginosa*
	Myrsinaceae	*Aegiceras corniculatum*
	Myrsinaceae	*Myrsine (Rapanea) variabilis*
	Myrtaceae	*Acmena smithii*
	Myrtaceae	*Angophora bakeri*
	Myrtaceae	*Angophora costata*
	Myrtaceae	*Angophora crassifolia*
	Myrtaceae	*Angophora floribunda*
	Myrtaceae	*Angophora hispida*
	Myrtaceae	*Austromyrtus tenuifolia*
	Myrtaceae	*Backhousia myrtifolia*
	Myrtaceae	*Baeckea diosmifolia*
	Myrtaceae	*Baeckea imbricata*
	Myrtaceae	*Baeckea linifolia*
	Myrtaceae	*Callistemon citrinus*
	Myrtaceae	*Callistemon linearis*
	Myrtaceae	*Calytrix tetragona*

	Myrtaceae	*Corymbia gummifera*
	Myrtaceae	*Darwinia sp.*
	Myrtaceae	*Darwinia fascicularis*
	Myrtaceae	*Eucalyptus botryoides*
	Myrtaceae	*Eucalyptus capitellata*
	Myrtaceae	*Eucalyptus globoidea*
	Myrtaceae	*Eucalyptus haemastoma*
	Myrtaceae	*Eucalyptus luehmanniana 2 RCa*
	Myrtaceae	*Eucalyptus maculata*
	Myrtaceae	*Eucalyptus microcorys*
	Myrtaceae	*Eucalyptus obstans*
	Myrtaceae	*Eucalyptus paniculata*
	Myrtaceae	*Eucalyptus pilularis*
	Myrtaceae	*Eucalyptus pilularis x globoidea*
	Myrtaceae	*Eucalyptus piperita*
	Myrtaceae	*Eucalyptus punctata*
	Myrtaceae	*Eucalyptus resinifera*
	Myrtaceae	*Eucalyptus saligna*
	Myrtaceae	*Eucalyptus scias*
	Myrtaceae	*Eucalyptus sieberi*
	Myrtaceae	*Eucalyptus tereticornis*
	Myrtaceae	*Eucalyptus umbra*
	Myrtaceae	*Kunzea ambigua*
	Myrtaceae	*Kunzea capitata*
	Myrtaceae	*Leoptospermum juniperinum*
	Myrtaceae	*Leptospermum arachnoides*
	Myrtaceae	*Leptospermum laevigatum*
	Myrtaceae	*Leptospermum polyanthum*
	Myrtaceae	*Leptospermum polygalifolium*
	Myrtaceae	*Leptospermum polygalifolium ssp polygalifolium*
	Myrtaceae	*Leptospermum squarrosum*
	Myrtaceae	*Leptospermum trinervium*
	Myrtaceae	*Melaleuca armillaris*

	Myrtaceae	*Melaleuca ericifolia*
	Myrtaceae	*Melaleuca linariifolia*
	Myrtaceae	*Melaleuca quinquenervia*
	Myrtaceae	*Melaleuca sp.*
	Myrtaceae	*Melaleuca styphelioides*
	Myrtaceae	*Micromyrtus ciliata*
	Myrtaceae	*Rhodamnia rubescens*
	Myrtaceae	*Syncarpia glomulifera*
	Myrtaceae	*Tristania neriifolia*
	Myrtaceae	*Tristaniopsis laurina*
	Olacaceae	*Olax stricta*
	Oleaceae	*Notelaea longifolia*
	Oleaceae	*Notelaea ovata*
	Oleaceae	*Notelaea venosa*
	Onagraceae	*Epilobium billardieranum*
	Oxalidaceae	*Oxalis corniculata*
	Pittosporaceae	*Billardiera scandens*
	Pittosporaceae	*Bursaria spinosa*
	Pittosporaceae	*Pittosporum revolutum*
	Pittosporaceae	*Pittosporum undulatum*
	Polygalaceae	*Comesperma ericinum*
	Polygalaceae	*Comesperma volubile*
	Polygonaceae	*Persicaria decipiens*
	Polygonaceae	*Persicaria hydropiper*
	Polygonaceae	*Rumex brownii*
	Primulaceae	*Samolus repens*
	Primulaceae	*Samolus valerandii*
	Proteaceae	*Banksia ericifolia*
	Proteaceae	*Banksia integrifolia*
	Proteaceae	*Banksia marginata*
	Proteaceae	*Banksia oblongifolia*
	Proteaceae	*Banksia robur*
	Proteaceae	*Banksia serrata*

	Proteaceae	*Banksia spinulosa*
	Proteaceae	*Banksia spinulosa var collina*
	Proteaceae	*Conospermum ericifolium*
	Proteaceae	*Conospermum longifolium*
	Proteaceae	*Conospermum longifolium ssp angustifolium*
	Proteaceae	*Grevillea buxifolia*
	Proteaceae	*Grevillea linearifolia*
	Proteaceae	*Grevillea sericea*
	Proteaceae	*Grevillea speciosa*
	Proteaceae	*Hakea dactyloides*
	Proteaceae	*Hakea dactyloides (weeping form)*
	Proteaceae	*Hakea gibbosa*
	Proteaceae	*Hakea propinqua*
	Proteaceae	*Hakea sericea*
	Proteaceae	*Hakea silaifolia*
	Proteaceae	*Hakea teretifolia*
	Proteaceae	*Isopogon anethifolius*
	Proteaceae	*Lambertia formosa*
	Proteaceae	*Lomatia myricoides*
	Proteaceae	*Lomatia silaifolia*
	Proteaceae	*Persoonia lanceolata*
	Proteaceae	*Persoonia laurina*
	Proteaceae	*Persoonia levis*
	Proteaceae	*Persoonia linearis*
	Proteaceae	*Persoonia pinifolia*
	Proteaceae	*Petrophile pulchella*
	Proteaceae	*Telopea speciosissima*
	Proteaceae	*Xylomelum pyriforme*
	Ranunculaceae	*Clematis aristata*
	Rhamnaceae	*Pomaderris sp*
	Rhamnaceae	*Pomaderris aspera*
	Rhamnaceae	*Pomaderris discolor*
	Rhamnaceae	*Pomaderris elliptica*

	Rhamnaceae	*Pomaderris ferruginea*
	Rhamnaceae	*Pomaderris intermedia*
	Rhamnaceae	*Pomaderris lanigera*
	Rhamnaceae	*Pomaderris spp.*
	Rosaceae	*Rubus parvifolius*
	Rosaceae	*Rubus sp*
	Rubiaceae	*Morinda jasminoides*
	Rubiaceae	*Opercularia aspera*
	Rubiaceae	*Opercularia hispida*
	Rubiaceae	*Opercularia varia*
	Rubiaceae	*Pomax umbellata*
	Rutaceae	*Boronia ledifolia*
	Rutaceae	*Boronia pinnata*
	Rutaceae	*Boronia serrulata*
	Rutaceae	*Correa reflexa*
	Rutaceae	*Crowea exalata*
	Rutaceae	*Crowea saligna*
	Rutaceae	*Eriostemon australasius*
	Rutaceae	*Eriostemon scaber*
	Rutaceae	*Phebalium dentatum*
	Rutaceae	*Phebalium squameum*
	Rutaceae	*Phebalium squamulosum ssp squamulosum*
	Rutaceae	*Philotheca salsolifolia*
	Rutaceae	*Zieria laevigata*
	Rutaceae	*Zieria pilosa*
	Rutaceae	*Zieria smithii*
	Santalaceae	*Exocarpus cupressiformis*
	Santalaceae	*Leptomeria acida*
	Santalaceae	*Omphacomeria acerba*
	Sapindaceae	*Alectryon subcinereus*
	Sapindaceae	*Cupaniopsis anacardioides*
	Sapindaceae	*Dodonaea multijuga*
	Sapindaceae	*Dodonaea triquetra*

	Sapindaceae	*Dodonaea viscosa*
	Sapindaceae	*Dodonaea viscosa ssp saptulata*
	Scrophulariaceae	*Veronica calycina*
	Scrophulariaceae	*Veronica plebeia*
	Solanaceae	*Nicotiana suaveolens*
	Solanaceae	*Solanum aviculare*
	Solanaceae	*Solanum prinophyllum*
	Stackhousiaceae	*Stackhousia monogyna*
	Stackhousiaceae	*Stackhousia viminea*
	Sterculiaceae	*Lasiopetalum ferrugineum var. ferrugineum*
	Sterculiaceae	*Lasiopetalum rufum*
	Sterculiaceae	*Rulingia dasyphylla*
	Sterculiaceae	*Seringia arborescens*
	Stylidiaceae	*Stylidium productum*
	Stylidiaceae	*Stylidium graminifolium*
	Stylidiaceae	*Stylidium laricifolium*
	Stylidiaceae	*Stylidium lineare*
	Stylidiaceae	*Stylidium productum*
	Thymeliaceae	*Pimelea linifolia*
	Thymeliaceae	*Pimelea linifolia ssp linifolia*
	Thymeliaceae	*Wikstroemia indica*
	Tremandraceae	*Tetratheca bauerifolia*
	Tremandraceae	*Tetratheca ericifolia*
	Tremandraceae	*Tetratheca pilosa (probably Xanthosia pilos*
	Ulmaceae	*Trema tomentosa*
	Verbenaceae	*Avicennia marina var. australasica*
	Verbenaceae	*Chloanthes stoechadis*
	Verbenaceae	*Clerodendrum tomentosum*
	Violaceae	*Hybanthus monopetalus*
	Violaceae	*Hybanthus vernonii*
	Violaceae	*Viola hederacea*
	Vitaceae	*Cayratia clematidea*
	Vitaceae	*Cissus antarctica*

	Vitaceae	*Cissus hypoglauca*
MONOCOTS	Anthericaceae	*Caesia parviflora*
	Anthericaceae	*Caesia parviflora var vittata*
	Anthericaceae	*Sowerbaea juncea*
	Anthericaceae	*Thysanotus juncifolius*
	Anthericaceae	*Thysanotus tuberosus*
	Anthericaceae	*Tricoryne elatior*
	Anthericaceae	*Tricoryne simplex*
	Araceae	*Alocasia macrorrhiza*
	Araceae	*Gymnostachys anceps*
	Arecaceae	*Livistona australis*
	Blandfordiaceae	*Blandfordia nobilis*
	Colchicaceae	*Burchardia umbellata*
	Commelinaceae	*Commelina cyanea*
	Cyperaceae	*Carex inversa*
	Cyperaceae	*Caustis flexuosa*
	Cyperaceae	*Caustis pentandra*
	Cyperaceae	*Cyathochaeta diandra*
	Cyperaceae	*Cyperus brevifolius*
	Cyperaceae	*Cyperus difformis*
	Cyperaceae	*Cyperus gracilis*
	Cyperaceae	*Cyperus laevis*
	Cyperaceae	*Cyperus polystachos*
	Cyperaceae	*Fimbristylis dichotoma*
	Cyperaceae	*Gahnia clarkei*
	Cyperaceae	*Gahnia erythrocarpa*
	Cyperaceae	*Gahnia melanocarpa*
	Cyperaceae	*Gahnia sieberiana*
	Cyperaceae	*Gahnia spp.*
	Cyperaceae	*Isolepis nodosus*
	Cyperaceae	*Lepidosperma elatius*
	Cyperaceae	*Lepidosperma filiforme*

	Cyperaceae	*Lepidosperma flexuosum*
	Cyperaceae	*Lepidosperma gunnii*
	Cyperaceae	*Lepidosperma laterale*
	Cyperaceae	*Lepidosperma limicola*
	Cyperaceae	*Lepidosperma lineare*
	Cyperaceae	*Lepidosperma longitudinale*
	Cyperaceae	*Ptilanthelium deustum*
	Cyperaceae	*Schoenus apogon*
	Cyperaceae	*Schoenus imberbis*
	Cyperaceae	*Schoenus melanostachys*
	Cyperaceae	*Schoenus paludosus*
	Cyperaceae	*Schoenus turbinatus*
	Cyperaceae	*Schoenus villosus*
	Cyperaceae	*Tetraria capillaris*
	Dioscoreaceae	*Dioscora transversa*
	Iridaceae	*Patersonia glabrata*
	Iridaceae	*Patersonia sericea*
	Iridaceae	*Patersonia sp. aff. fragilis*
	Juncaceae	*Juncus continuus*
	Juncaceae	*Juncus kraussii var australiensis*
	Juncaceae	*Juncus pallidus*
	Juncaceae	*Juncus planifolius*
	Juncaceae	*Juncus usitatus*
	Juncaginaceae	*Triglochin striata*
	Lemnaceae	*Spirodela pusilla*
	Lomandraceae	*Lomandra brevis 2RC*
	Lomandraceae	*Lomandra confertifolia ssp pallida*
	Lomandraceae	*Lomandra cylindrica*
	Lomandraceae	*Lomandra filiformis ssp coriacea*
	Lomandraceae	*Lomandra filiformis ssp filiformis*
	Lomandraceae	*Lomandra fluviatilis 3RC*
	Lomandraceae	*Lomandra glauca*
	Lomandraceae	*Lomandra gracilis*

	Lomandraceae	*Lomandra longifolia*
	Lomandraceae	*Lomandra micranth spp tuberculata*
	Lomandraceae	*Lomandra multiflora*
	Lomandraceae	*Lomandra obliqua*
	Luzuriagaceae	*Eustrephus latifolius*
	Orchidaceae	*Acianthus exsertus*
	Orchidaceae	*Acianthus fornicatus*
	Orchidaceae	*Caladenia alba*
	Orchidaceae	*Caladenia carnea*
	Orchidaceae	*Caladenia catenata*
	Orchidaceae	*Caladenia iridescens*
	Orchidaceae	*Calochilus campestris*
	Orchidaceae	*Calochilus gracillimus*
	Orchidaceae	*Calochilus paludosus*
	Orchidaceae	*Calochilus robertsonii*
	Orchidaceae	*Corybas*
	Orchidaceae	*Corybas aconitiflorus*
	Orchidaceae	*Cryptostylis sp*
	Orchidaceae	*Cryptostylis erecta*
	Orchidaceae	*Cryptostylis hunteriana 3VC*
	Orchidaceae	*Cryptostylis subulata*
	Orchidaceae	*Cymbidium suave*
	Orchidaceae	*Dendrobium linguiforme*
	Orchidaceae	*Dendrobium speciosum*
	Orchidaceae	*Dipodium punctatum*
	Orchidaceae	*Erythrorchis cassythoides*
	Orchidaceae	*Glossodia major*
	Orchidaceae	*Liparis reflexa*
	Orchidaceae	*Microtis parviflora*
	Orchidaceae	*Pterostylis acuminata*
	Orchidaceae	*Pterostylis grandiflora*
	Orchidaceae	*Pterostylis longifolia*
	Orchidaceae	*Pterostylis nutans*

	Orchidaceae	*Pterostylis pedunculata*
	Orchidaceae	*Pterostylis sp.*
	Orchidaceae	*Rimacola elliptica*
	Orchidaceae	*Spiranthes sinensis*
	Orchidaceae	*Thelymitra carnea*
	Orchidaceae	*Thelymitra ixioides*
	Orchidaceae	*Thelymitra nuda*
	Orchidaceae	*Thelymitra pauciflora*
	Philesiaceae	*Geitonoplesium cymosum*
	Philesiaceae	*Philydrum lanuginosum*
	Phormiaceae	*Dianella caerulea var caerulea*
	Phormiaceae	*Dianella caerulea var producta*
	Phormiaceae	*Dianella laevis*
	Phormiaceae	*Dianella longifolia var longifolia*
	Phormiaceae	*Dianella prunina*
	Phormiaceae	*Dianella revoluta*
	Phormiaceae	*Stypandra glauca*
	Phormiaceae	*Thelionema caespitosa*
	Poaceae	*Agrostis aemula*
	Poaceae	*Agrostis avenacea*
	Poaceae	*Anisopogon avenaceus*
	Poaceae	*Aristida sp*
	Poaceae	*Aristida vagans*
	Poaceae	*Austradanthonia tenuior*
	Poaceae	*Cymbopogon refractus*
	Poaceae	*Danthonia linkii*
	Poaceae	*Danthonia purpurascens*
	Poaceae	*Danthonia sp.*
	Poaceae	*Danthonia tenuior*
	Poaceae	*Deyeuxia quadriseta*
	Poaceae	*Dichelachne crinita*
	Poaceae	*Dichelachne inaequiglumis*
	Poaceae	*Digitaria parviflora*

	Poaceae	*Echinopogon caespitosus*
	Poaceae	*Echinopogon ovatus*
	Poaceae	*Entolasia marginata*
	Poaceae	*Entolasia stricta*
	Poaceae	*Eragrostis brownii*
	Poaceae	*Eragrostis trachycarpa*
	Poaceae	*Hemarthria unicinata*
	Poaceae	*Imperata cylindrica*
	Poaceae	*Imperata cylindrica var major*
	Poaceae	*Microlaena stipoides*
	Poaceae	*Oplismenus aemulus*
	Poaceae	*Oplismenus imbecillis*
	Poaceae	*Panicum effusum*
	Poaceae	*Panicum simile*
	Poaceae	*Paspalidium aversum*
	Poaceae	*Paspalidium criniforme*
	Poaceae	*Paspalidium distans*
	Poaceae	*Paspalum vaginatum*
	Poaceae	*Phragmites australis*
	Poaceae	*Poa affinis*
	Poaceae	*Sporobolus creber*
	Poaceae	*Sporobolus elongatus*
	Poaceae	*Sporobolus virginicus var minor*
	Poaceae	*Stipa mollis*
	Poaceae	*Stipa pubescens*
	Poaceae	*Stipa rudis*
	Poaceae	*Tetrarrhena juncea*
	Poaceae	*Themeda australis*
	Restionaceae	*Empodisma minus*
	Restionaceae	*Leptocarpus tenax*
	Restionaceae	*Lepyrodia scariosa*
	Restionaceae	*Restio complanatus*
	Restionaceae	*Restio dimorphus*

	Restionaceae	*Restio fastigiatus*
	Restionaceae	*Restio tetraphyllus ssp meiostachyus*
	Smilacaceae	*Smilax australis*
	Smilacaceae	*Smilax glyciphylla*
	Typhaceae	*Typha spp.*
	Uvulariaceae	*Schelhammera undulata*
	Xanthorrhoeaceae	*Xanthorrhoea arborea*
	Xanthorrhoeaceae	*Xanthorrhoea media ssp. media*
	Xanthorrhoeaceae	*Xanthorrhoea minor*
	Xanthorrhoeaceae	*Xanthorrhoea resinosa*
	Xanthorrhoeaceae	*Xanthorrhoea sp.*
	Xyridaceae	*Xyris gracilis ssp gracilis*
	Xyridaceae	*Xyris operculata*

5. Reserve Profiles and Resource Inventory

This section outlines all assets found in Willoughby's bushland reserves including native plants, Aboriginal archaeological sites, man-made recreational assets, heritage listed items and maps showing the reserve outline, native plant communities and weed distribution. Large reserves are listed individually and smaller reserves have been grouped together to form one major group.

Assets that have not been included in this plan include engineering assets like roads, footpaths, bridges and boardwalks, retaining walls and sea walls. Other assets not included are tracks and steps, turfed areas requiring regular maintenance, and historical items that are not heritage listed. These items may be added to Volume 2 at a later date.

Willoughby's bushland contains a wide variety of natural assets including trees, shrubs, grasses, vines, rock outcrops, wildlife and many other important natural elements. However there are also man-made or 'hard' assets in these reserves that are maintained by Council for visitor enjoyment and to enhance the visitor experience. These assets require maintenance and replacement once they come to the end of their life cycle. These man-made assets are relatively easy to assess and establish when they require maintenance and/or replacement compared to 'green' or 'soft' assets, e.g. vegetation.

An Asset Management Plan (AMP) iscurrently being prepared for all assets found in bushland reserves in Willoughby. When complete this document will outline the costs associated with maintaining assets at current levels of service or better.

5.1 Artarmon Reserve Group

Artarmon Reserve is an irregularly shaped reserve with almost 10 hectares of bushland and is wider towards the eastern end (340 metres at its widest), narrowing to a corridor of under 30 metres at the western end. It is bounded by the railway line and expressway on the west and south boundaries, has street frontage on the east, and houses and a bowling club to the north. Approximately 3 hectares is sports playing fields, changing rooms and car parks. Intrusions include a drainage basin servicing the expressway and mown grass areas adjoining bushland. A creek runs from the north east to the south west, going under the playing fields. A shared pathway links the reserve to surrounding areas. Much of the bushland today is regrowth after clearing in historic times.

Artarmon Park is a small 1.4 hectare urban park that is located over the railway line from Artarmon Reserve and is important as a wildlife corridor linking with other green spaces in Willoughby and beyond. There are also a small amount of Blue Gums present, some remnant and some planted, which are in very low numbers compared to pre European arrival, and the Blue Gum High Forest vegetation community is listed as *Critically Endangered* both State and Federally. Artarmon Reserve and Park are located in the Flat Rock Creek catchment part of the Middle Harbour catchment area.

5.1.1 Native Plant Species List

Artarmon Reserve Group			**Artarmon Reserve**			**Artarmon Park**		
			National Trust 1980	P Murray 1984	Additions to Murray list (date & auther unknown)	National Trust 1980 (not bush)	Additions WCCStaff post 2002	Additions unknown study
	Family	**Genus-species**						
FERNS	Adiantaceae	*Adiantum aethiopicum*		•	•			
	Aspleniaceae	*Asplenium australasicum*			•			•
	Aspleniaceae	*Asplenium flabellifolium*			•		•	
	Blechnaceae	*Blechnum cartilagineum*			•			•
	Blechnaceae	*Blechnum nudum*						•
	Blechnaceae	*Doodia caudata*			•			•

	Cyatheaceae	*Cyathea australis*		•	•			
	Cyatheaceae	*Cyathea cooperi*			•			
	Dennstaedtiaceae	*Hypolepis muelleri*			•			•
	Dennstaedtiaceae	*Pteridium esculentum*		•	•			
	Dicksoniaceae	*Calochlaena dubia*		•	•			
	Gleicheniaceae	*Gleichenia dicarpa*			•			•
	Lindsaeaceae	*Lindsaea linearis*			•		•	•
	Lindsaeaceae	*Lindsaea microphylla*		•	•			
	Polypodiaceae	*Pyrrosia rupestris*			•			•
	Pteridaceae	*Pteris tremula*			•			•
	Schizaeaceae	*Schizaea bifida*			•		•	
	Thelypteridaceae	*Christella dentata*			•			•
DICOTS	Acanthaceae	*Pseuderanthemum variabile*		•	•			
	Amaranthaceae	*Alternanthera denticulata*			•		•	
	Apiaceae	*Centella asiatica*	•	•	•			
	Apiaceae	*Hydrocotyle peduncularis*			•			
	Apiaceae	*Platysace lanceolata*	•	•	•			
	Apiaceae	*Xanthosia pilosa*			•			•
	Apiaceae	*Xanthosia tridentata*			•		•	
	Araliaceae	*Polyscias murrayi*			•			•
	Araliaceae	*Polyscias sambucifolia*	•	•	•			
	Asclepiadaceae	*Marsdenia suaveolens*			•		•	
	Asclepiadaceae	*Tylophora barbata*		•	•			
	Asteraceae	*Cassinia denticulata*		•				
	Asteraceae	*Ozothamnus diosmifolium*			•			•
	Asteraceae	*Senecio hispidulus*			•		•	
	Bignoniaceae	*Pandorea pandorana*	•	•	•			
	Cassythaceae	*Cassytha pubescens*		•	•			
	Casuarinaceae	*Allocasuarina littoralis*	•	•	•			
	Casuarinaceae	*Allocasuarina torulosa*			•		•	
	Celastraceae	*Maytenus silvestris*		•	•			
	Clusiaceae	*Hypericum gramineum*			•		•	

	Convolvulaceae	*Dichondra repens*			•			
	Cunoniaceae	*Bauera rubioides*	•	•	•			
	Cunoniaceae	*Callicoma serratifolia*	•	•	•	•		
	Cunoniaceae	*Ceratopetalum apetalum*			•			•
	Cunoniaceae	*Ceratopetalum gummiferum*		•	•			
	Dilleniaceae	*Hibbertia aspera*			•			•
	Dilleniaceae	*Hibbertia dentata*	•	•	•			
	Dilleniaceae	*Hibbertia scandens*		•	•			
	Elaeocarpaceae	*Elaeocarpus reticulatus*	•	•	•			
	Ericaceae Styphelioideae	*Epacris longiflora*		•	•			
	Ericaceae Styphelioideae	*Epacris pulchella*		•	•			
	Ericaceae Styphelioideae	*Epacris purpurascens var. purpurascens*			•		•	
	Ericaceae Styphelioideae	*Leucopogon ericoides*	•	•				
	Ericaceae Styphelioideae	*Leucopogon juniperinus*		•	•			
	Ericaceae Styphelioideae	*Leucopogon lanceolatus*	•	•	•			
	Ericaceae Styphelioideae	*Woollsia pungens*	•	•	•			
	Ericaceae Styphelioideae	*Trochocarpa laurina*			•			•
	Euphorbiaceae	*Breynia oblongifolia*	•	•	•			
	Euphorbiaceae	*Glochidion ferdinandi*		•	•			
	Euphorbiaceae	*Micrantheum ericoides*		•				
	Euphorbiaceae	*Omalanthus populifolius*	•	•	•			
	Euphorbiaceae	*Phyllanthus hirtellus (syn. P. thymoides)*		•				
	Euphorbiaceae	*Poranthera microphylla*			•		•	
	Fabaceae Faboideae	*Bossiaea heterophylla*			•		•	
	Fabaceae Faboideae	*Daviesia ulicifolia*	•	•				
	Fabaceae Faboideae	*Desmodium rhytidophyllum*	•	•				
	Fabaceae Faboideae	*Desmodium varians*			•			
	Fabaceae Faboideae	*Glycine clandestina*	•	•	•			
	Fabaceae Faboideae	*Hardenbergia violacea*	•	•	•			
	Fabaceae Faboideae	*Hovea linearis*		•				
	Fabaceae Faboideae	*Indigofera australis*			•			•
	Fabaceae Faboideae	*Kennedia rubicunda*	•	•	•			
	Fabaceae Faboideae	*Platylobium formosum ssp formosum*	•	•	•			

	Fabaceae Faboideae	*Pultenaea daphnoides*			•			•
	Fabaceae Faboideae	*Pultenaea flexilis*	•	•	•			
	Fabaceae Faboideae	*Pultenaea retusa*			•			•
	Fabaceae Faboideae	*Pultenaea stipularis*			•			•
	Fabaceae-Mimosoideae	*Acacia decurrens*			•		•	
	Fabaceae-Mimosoideae	*Acacia elata*			•		•	
	Fabaceae-Mimosoideae	*Acacia falcata*			•		•	
	Fabaceae-Mimosoideae	*Acacia floribunda*			•		•	
	Fabaceae-Mimosoideae	*Acacia irrorata*			•		•	
	Fabaceae-Mimosoideae	*Acacia linifolia*	•	•	•			
	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*	•	•	•	•		
	Fabaceae-Mimosoideae	*Acacia longissima*		•	•			
	Fabaceae-Mimosoideae	*Acacia myrtifolia*	•	•	•			
	Fabaceae-Mimosoideae	*Acacia parramattensis*			•		•	
	Fabaceae-Mimosoideae	*Acacia suaveolens*	•	•	•			
	Fabaceae-Mimosoideae	*Acacia terminalis*		•	•			
	Fabaceae-Mimosoideae	*Acacia ulicifolia*	•	•	•			
	Geraniaceae	*Geraneum homeanum*			•			•
	Haloragaceae	*Gonocarpus micranthus*			•		•	
	Lamiaceae	*Prosanthera ovalifolia*			•			•
	Lobeliaceae	*Lobelia alata*			•		•	
	Lobeliaceae	*Lobelia gracilis*				•		
	Lobeliaceae	*Pratia purpurascens*		•	•	•		
	Loganiaceae	*Logania albiflora*			•			•
	Malvaceae	*Brachychiton acerifolius*			•			•
	Myrsinaceae	*Myrsine (Rapanea) variabilis*	•	•				
	Myrtaceae	*Acmena smithii*			•		•	
	Myrtaceae	*Angophora costata*	•	•	•	•		
	Myrtaceae	*Angophora floribunda*			•			•
	Myrtaceae	*Callistemon citrinus*			•			
	Myrtaceae	*Callistemon linearis*			•			
	Myrtaceae	*Corymbia gummifera*	•	•	•			
	Myrtaceae	*Eucalyptus botryoides*			•			•

	Myrtaceae	*Eucalyptus capitellata*					•	
	Myrtaceae	*Eucalyptus globoidea*	•		•			
	Myrtaceae	*Eucalyptus microcorys*			•			•
	Myrtaceae	*Eucalyptus paniculata*			•			•
	Myrtaceae	*Eucalyptus pilularis*	•	•	•	•		
	Myrtaceae	*Eucalyptus pilularis x globoidea*			•			•
	Myrtaceae	*Eucalyptus resinifera*			•		•	
	Myrtaceae	*Eucalyptus saligna*			•	•		
	Myrtaceae	*Kunzea ambigua*	•	•	•	•		
	Myrtaceae	*Leptospermum polygalifolium*	•	•	•			
	Myrtaceae	*Leptospermum squarrosum*			•			
	Myrtaceae	*Lophostemon confertus*			•			
	Myrtaceae	*Melaleuca armillaris*			•			•
	Myrtaceae	*Melaleuca ericifolia*			•			•
	Myrtaceae	*Melaleuca linariifolia*			•			•
	Myrtaceae	*Syncarpia glomulifera*		•	•	•		
	Myrtaceae	*Tristaniopsis laurina*			•			
	Oleaceae	*Notelaea longifolia*	•	•	•			
	Onagraceae	*Epilobium billardieranum*			•			
	Oxalidaceae	*Oxalis corniculata*		•				
	Pittosporaceae	*Billardiera scandens*		•	•			
	Pittosporaceae	*Bursaria spinosa*	•	•	•			
	Pittosporaceae	*Pittosporum revolutum*	•	•	•			
	Pittosporaceae	*Pittosporum undulatum*	•	•	•	•		
	Proteaceae	*Banksia ericifolia*			•			•
	Proteaceae	*Banksia integrifolia*			•			•
	Proteaceae	*Banksia serrata*	•	•	•			
	Proteaceae	*Banksia spinulosa*			•		•	
	Proteaceae	*Grevillea buxifolia*			•			
	Proteaceae	*Grevillea linearifolia*		•	•			
	Proteaceae	*Hakea dactyloides*			•			
	Proteaceae	*Hakea sericea*	•	•	•	•		
	Proteaceae	*Hakea salicifolia*			•		•	

	Proteaceae	*Hakea teretifolia*			•			
	Proteaceae	*Lomatia silaifolia*	•	•	•			
	Proteaceae	*Persoonia laurina*	•	•	•			
	Proteaceae	*Persoonia levis*	•	•	•			
	Proteaceae	*Persoonia linearis*		•	•			
	Proteaceae	*Persoonia pinifolia*	•		•			
	Proteaceae	*Xylomelum pyriforme*			•		•	
	Ranunculaceae	*Clematis aristata*	•	•	•			
	Rhamnaceae	*Pomaderris spp.*		•				
	Rosaceae	*Rubus parvifolius*	•	•	•			
	Rubiaceae	*Morinda jasminoides*			•			•
	Rutaceae	*Correa reflexa*			•		•	
	Rutaceae	*Crowea saligna*		•				
	Rutaceae	*Zieria pilosa*			•			•
	Rutaceae	*Zieria smithii*		•	•			
	Sapindaceae	*Dodonaea multijuga*			•			
	Sapindaceae	*Dodonaea triquetra*	•	•	•			•
	Scrophulariaceae	*Veronica plebeia*			•		•	
	Solanaceae	*Solanum aviculare*			•		•	•
	Sterculiaceae	*Lasiopetalum ferrugineum var. ferrugineum*	•	•				
	Thymeliaceae	*Pimelea linifolia*		•				
	Thymeliaceae	*Pimelea linifolia ssp linifolia*			•			
	Vitaceae	*Cissus hypoglauca*						•
MONOCOTS	Commelinaceae	*Commelina cyanea*	•	•	•			
	Cyperaceae	*Gahnia clarkei*			•			•
	Cyperaceae	*Gahnia spp.*	•	•	•			
	Cyperaceae	*Lepidosperma gunnii*			•		•	
	Cyperaceae	*Lepidosperma laterale*	•		•			
	Cyperaceae	*Schoenus apogon*			•		•	
	Cyperaceae	*Schoenus melanostachys*			•			•
	Cyperaceae	*Tetraria capillaris*			•		•	
	Juncaceae	*Juncus continuus*			•			•

	Juncaceae	*Juncus planifolius*			•			•
	Juncaceae	*Juncus usitatus*			•		•	
	Lomandraceae	*Lomandra brevis 2RC*			•			•
	Lomandraceae	*Lomandra cylindrica*			•			•
	Lomandraceae	*Lomandra filiformis ssp coriacea*			•			•
	Lomandraceae	*Lomandra filiformis ssp filiformis*			•		•	
	Lomandraceae	*Lomandra gracilis*			•			•
	Lomandraceae	*Lomandra longifolia*	•	•	•			
	Lomandraceae	*Lomandra obliqua*		•	•			
	Luzuriagaceae	*Eustrephus latifolius*	•	•	•			
	Orchidaceae	*Cryptostylis sp*			•			
	Orchidaceae	*Cryptostylis erecta*						•
	Orchidaceae	*Dendrobium linguiforme*			•			
	Orchidaceae	*Pterostylis longifolia*			•		•	
	Orchidaceae	*Pterostylis nutans*		•	•		•	
	Phormiaceae	*Dianella caerulea var caerulea*	•	•	•			
	Phormiaceae	*Dianella caerulea var producta*			•			•
	Phormiaceae	*Dianella longifolia var longifolia*			•			
	Phormiaceae	*Dianella revoluta*			•			•
	Poaceae	*Anisopogon avenaceus*			•			•
	Poaceae	*Austradanthonia tenuior*			•		•	
	Poaceae	*Dichelachne crinita*		•				
	Poaceae	*Dichelachne inaequiglumis*			•		•	
	Poaceae	*Digitaria parviflora*		•				
	Poaceae	*Echinopogon caespitosus*	•	•	•			
	Poaceae	*Entolasia marginata*			•			
	Poaceae	*Entolasia stricta*		•	•			
	Poaceae	*Imperata cylindrica*	•	•		•		
	Poaceae	*Imperata cylindrica var major*			•			
	Poaceae	*Microlaena stipoides*		•	•			
	Poaceae	*Oplismenus aemulus*			•			•
	Poaceae	*Oplismenus imbecillis*	•	•				
	Poaceae	*Panicum simile*					•	

	Poaceae	*Paspalidium distans*			•		•	
	Poaceae	*Poa affinis*			•		•	
	Poaceae	*Themeda australis*	•	•	•			
	Smilacaceae	*Smilax australis*		•	•			
	Smilacaceae	*Smilax glyciphylla*	•	•	•			
	Uvulariaceae	*Schelhammera undulata*		•	•			•
	Xanthorrhoeaceae	*Xanthorrhoea arborea*			•			•
	Xanthorrhoeaceae	*Xanthorrhoea media ssp. media*			•			•

5.1.2 Aboriginal Archaeological Site Information

There are no recorded Aboriginal archaeological sites in Artarmon Reserve or Artarmon Park.

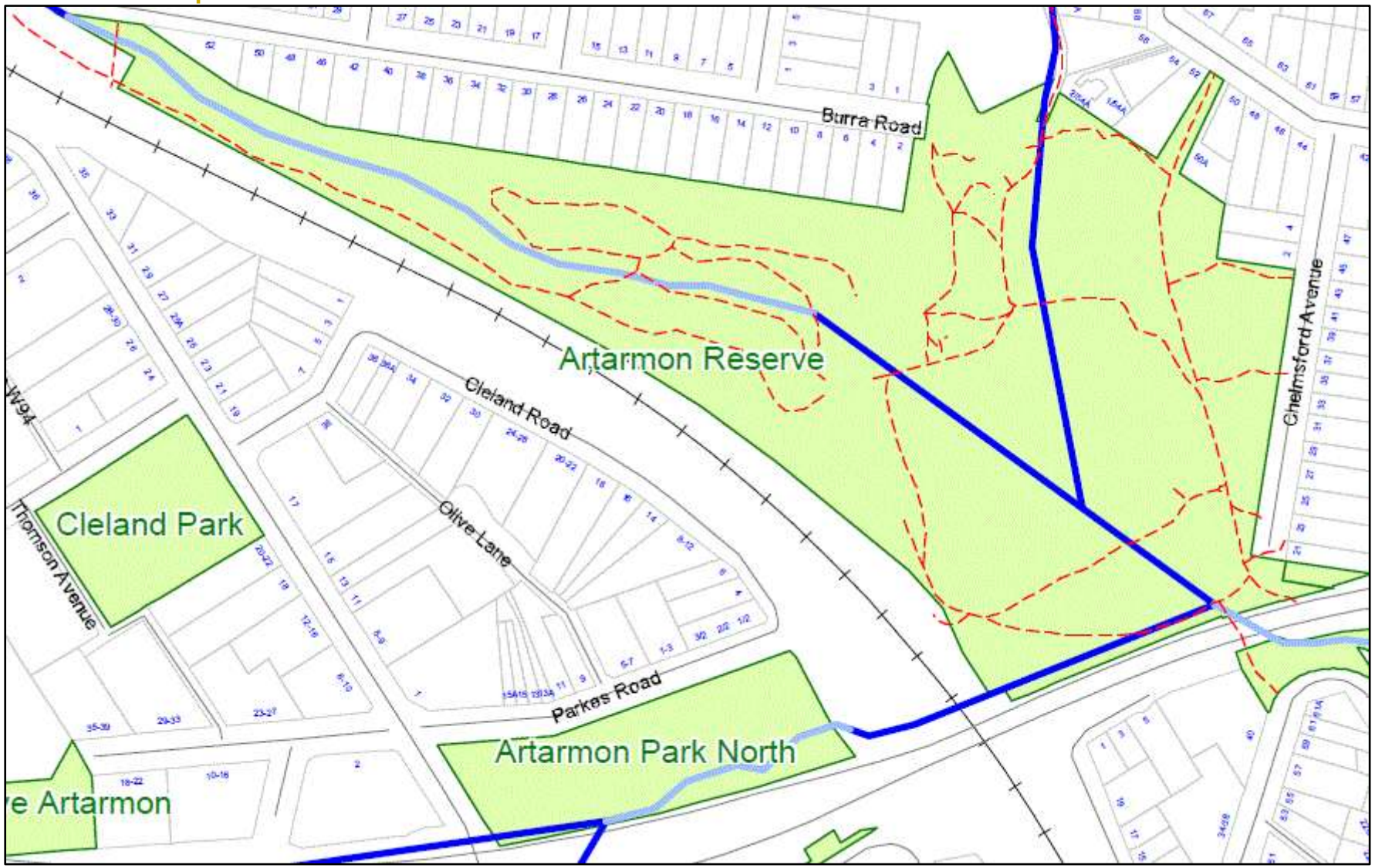
5.1.3 Reserve Assets

Reserve Name	Asset Type	Asset Description	Material Description	Quantity	Comments
Artarmon Park North	Bench	No concrete base	Natural Log	2	
Artarmon Park North	Fence	Bollard	Timber		
Artarmon Park North	Fence	General Fencing	Chain Mesh		
Artarmon Park North	Fence	General Fencing	Metal		road guardrail
Artarmon Park North	Sign	Name	N/A		
Artarmon Park North	Sign	Regulatory	N/A		
Artarmon Reserve	Artwork	Wall	N/A		Tunnel Mural - Artarmon to Tunks Park
Artarmon Reserve	Artwork	N/A	N/A	3	Carved timber Gum Nuts
Artarmon Reserve	BBQ	Brick or metal surrounds and concrete base	N/A	2	
Artarmon Reserve	BBQ	Electric Double plate	N/A		
Artarmon Reserve	BBQ	Electric Single plate	N/A		
Artarmon Reserve	Bench	No concrete base	Concrete/Timber	2	

Artarmon Reserve	Bench	No concrete base	Natural Log	3	
Artarmon Reserve	Bench	No concrete base	Timber		Slab with back and arms
Artarmon Reserve	Bench	No concrete base	Timber	3	Carved leaf bench
Artarmon Reserve	Bench	No concrete base	Timber/Metal	2	Timber and metal bench with back
Artarmon Reserve	Bench	No concrete base	Timber/Metal		Timber and metal pipe bench with back
Artarmon Reserve	Bin	N/A	Plastic	5	Sulu bin and stand
Artarmon Reserve	Bin	N/A	Plastic	2	
Artarmon Reserve	Bubbler	Accessible			Metal Free Standing
Artarmon Reserve	Bubbler	N/A			Metal On Timber Post
Artarmon Reserve	Fence	Other	Metal	3	Swing arm gate
Artarmon Reserve	Fence	Other	Slip Rail	2	Slip rail gate
Artarmon Reserve	Fence	Bollard	Metal		Hinged SRA
Artarmon Reserve	Fence	Retaining Wall	Other		Sandstone block
Artarmon Reserve	Fence	General Fencing	Aris Rail		
Artarmon Reserve	Fence	General Fencing	Chain Mesh		Metal mesh fence
Artarmon Reserve	Fence	General Fencing	Metal		
Artarmon Reserve	Fence	General Fencing	Timber		timber posts and wire strands PLAYGROUND FENCE
Artarmon Reserve	Fence	General Fencing	Galv Metal Balustrade		PLAYGROUND FENCE
Artarmon Reserve	Fence	Bollard	Treated Pine	24	Posts
Artarmon Reserve	Gazebo/Shelter	Picnic setting shelter	Timber/Metal		
Artarmon Reserve	Lighting	N/A	N/A	2	
Artarmon Reserve	Lighting	Light post	N/A		double fittings
Artarmon Reserve	Picnic Setting	Concrete base	Timber		timber and concrete
Artarmon Reserve	Picnic Setting	No concrete base	Natural Log		Slab
Artarmon Reserve	Picnic Setting	No concrete base	Timber		
Artarmon Reserve	Plaque	Other	N/A		Artarmon progress association and neighbourhood watch set in table
Artarmon Reserve	Plaque	Other	N/A		Philip Roughan - plaque on back of

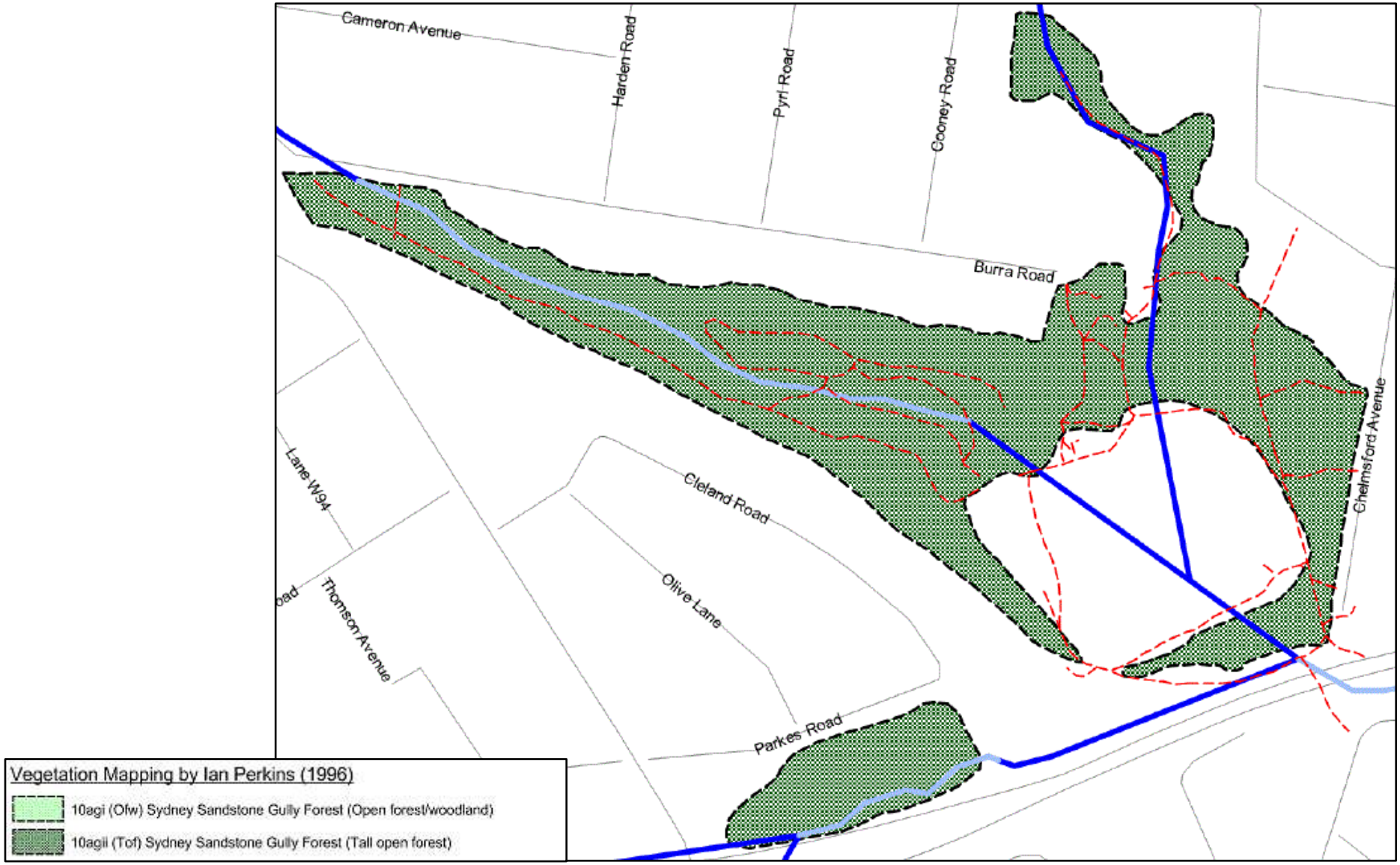
					bench
Artarmon Reserve	Sign	Name	Timber		Artarmon Reserve
Artarmon Reserve	Sign	General	Metal		Interpretive - Flat Rock Creek and Frog
Artarmon Reserve	Sign	General	Metal		Interpretive - Bushcare Story
Artarmon Reserve	Sign	General	Metal		Interpretive - Protecting Wildlife
Artarmon Reserve	Sign	General	Metal		No Dumping - Bush Regeneration
Artarmon Reserve	Sign	General	Metal		Artarmon Sensory Garden
Artarmon Reserve	Sign	General	N/A		
Artarmon Reserve	Sign	General	N/A		Sustainability Street
Artarmon Reserve	Sign	General	N/A		Indecipherable
Artarmon Reserve	Sign	General	N/A	2	smoke free zone
Artarmon Reserve	Sign	General	N/A		Ambulance access - on swing gate
Artarmon Reserve	Sign	General	N/A		Round Willoughby Walk
Artarmon Reserve	Sign	Name	N/A		Name sign at driveway entrance- single timber beam
Artarmon Reserve	Sign	Name	N/A	2	
Artarmon Reserve	Sign	Other	Timber/Metal	2	Wharf post and etched interpretive sign
Artarmon Reserve	Sign	Regulatory	N/A	3	Signs at entrance to driveway off main driveway

5.1.4 Maps

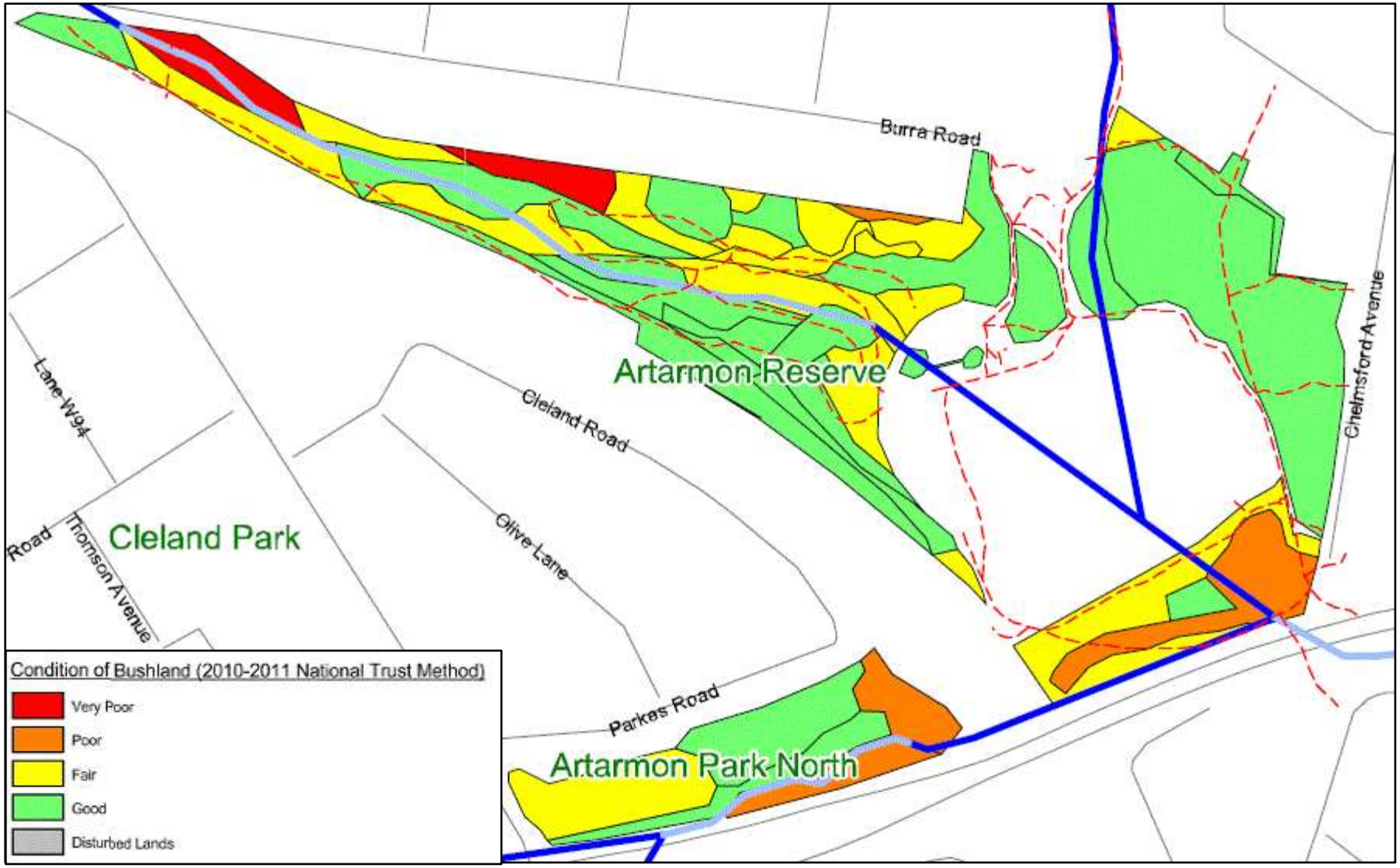


Artarmon Reserve Group Outline

Artarmon Reserve Group Outline Aerial



Artarmon Reserve Group Native Vegetation Communities



Artarmon Reserve Group Bushland Condition Rating 2010 – 2011

5.2 Blue Gum Park

Blue Gum Park is a 17.1 hectare significant bushland reserve located in the north-west corner of Chatswood, west of the Pacific Highway and north of Fullers Road. It is contiguous with Fullers Park bushland managed by Ku-ring-gai Council and the National Parks and Wildlife Service at Lane Cove. The park has a history of logging and farming pre-dating urban development that has led to land degradation and subsequent weed infestation. Bush regeneration works throughout the reserve have improved and reclaimed areas of ecological resilience and it is declared as a Wildlife Protection Area.
Blue Gum Park is located in the Lane Cove River catchment area.

5.2.1 Native Plant Species List

Blue Gum Group			**Blue Gum Park (to Grevile St West)**			
			Reserve Action Plan 2013	WCC Staff post 2002	Other sundry	Wilkinson 2000
	Family	**Genus-species**				
FORK FERNS	Psilotaceae	*Psilotum nudum*	•			
CONIFERS	Cupressaceae	*Callitris sp.*	•			•
	Podocarpaceae	*Podocarpus spinulosus*	•			•
FERNS	Adiantaceae	*Adiantum aethiopicum*	•			•
	Adiantaceae	*Adiantum formosum*	•		•	•
	Aspleniaceae	*Asplenium australasicum*	•			•
	Blechnaceae	*Blechnum cartilagineum*	•			•
	Blechnaceae	*Doodia aspera*	•			•
	Blechnaceae	*Doodia caudata*	•			•

	Cyatheaceae	*Cyathea australis*	•			•
	Cyatheaceae	*Cyathea cooperi*	•			
	Dennstaedtiaceae	*Dennstaedtia davallioides*	•			•
	Dennstaedtiaceae	*Hypolepis muelleri*	•			•
	Dennstaedtiaceae	*Pteridium esculentum*	•			•
	Dicksoniaceae	*Calochlaena dubia*	•			•
	Gleicheniaceae	*Sticherus flabellatus*	•			•
	Polypodiaceae	*Microsorum scandens*	•			•
	Polypodiaceae	*Platycerium bifurcatum*	•			•
	Polypodiaceae	*Pyrrosia rupestris*	•			•
	Pteridaceae	*Cheilanthes sieberi*	•			•
	Pteridaceae	*Pellaea falcata*	•			•
	Schizaeaceae	*Schizaea bifida*	•			•
	Thelypteridaceae	*Christella dentata*	•			•
DICOTS	Acanthaceae	*Pseuderanthemum variabile*	•			•
	Aizoaceae	*Tetragonia tetragonioides*	•			
	Amaranthaceae	*Alternanthera denticulata*	•			•
	Apiaceae	*Actinotus helianthi*	•			•
	Apiaceae	*Actinotus minor*	•			•
	Apiaceae	*Apium graveolens*	•			
	Apiaceae	*Centella asiatica*	•			•
	Apiaceae	*Hydrocotyle peduncularis*	•			•
	Apiaceae	*Platysace lanceolata*	•			•
	Apiaceae	*Xanthosia pilosa*	•			•
	Apiaceae	*Xanthosia tridentata*	•			•
	Araliaceae	*Astrotricha floccosa*	•			•
	Araliaceae	*Astrotricha longifolia*	•	•		
	Araliaceae	*Polyscias sambucifolia*	•			•
	Asclepiadaceae	*Marsdenia viridiflora*			•	

	Asclepiadaceae	*Tylophora barbata*	•			•
	Asteraceae	*Ozothamnus diosmifolium*	•			•
	Bignoniaceae	*Pandorea pandorana*	•		•	•
	Cassythaceae	*Cassytha glabella*	•			•
	Cassythaceae	*Cassytha pubescens*	•			•
	Casuarinaceae	*Allocasuarina littoralis*	•		•	•
	Casuarinaceae	*Allocasuarina torulosa*	•			•
	Celastraceae	*Maytenus silvestris*	•			•
	Clusiaceae	*Hypericum gramineum*	•	•		
	Convolvulaceae	*Dichondra repens*	•			•
	Cunoniaceae	*Bauera rubioides*	•			•
	Cunoniaceae	*Callicoma serratifolia*	•		•	•
	Cunoniaceae	*Ceratopetalum apetalum*	•		•	•
	Cunoniaceae	*Ceratopetalum gummiferum*	•			•
	Dilleniaceae	*Hibbertia dentata*	•			•
	Dilleniaceae	*Hibbertia linearis*	•			•
	Elaeocarpaceae	*Elaeocarpus reticulatus*			•	•
	Elaeocarpaceae	*Tetratheca thymifolia*	•			
	Ericaceae Styphelioideae	*Epacris longiflora*	•			
	Ericaceae Styphelioideae	*Epacris microphylla*	•			•
	Ericaceae Styphelioideae	*Leucopogon amplexicaulis*	•			
	Ericaceae Styphelioideae	*Leucopogon ericoides*	•			•
	Ericaceae Styphelioideae	*Leucopogon juniperinus*	•			•
	Ericaceae Styphelioideae	*Leucopogon lanceolatus*	•			•
	Ericaceae Styphelioideae	*Woollsia pungens*	•			•
	Ericaceae Styphelioideae	*Trochocarpa laurina*	•		•	•
	Euphorbiaceae	*Amperea xiphoclada*	•	•		
	Euphorbiaceae	*Breynia oblongifolia*	•		•	•
	Euphorbiaceae	*Glochidion ferdinandi*	•			•
	Euphorbiaceae	*Micrantheum ericoides*	•	•		

	Euphorbiaceae	*Omalanthus populifolius*	•		•	•
	Euphorbiaceae	*Phyllanthus hirtellus (syn. P. thymoides)*	•	•		
	Fabaceae Faboideae	*Bossiaea obcordata*	•			•
	Fabaceae Faboideae	*Dillwynia retorta*	•			•
	Fabaceae Faboideae	*Glycine clandestina*	•			•
	Fabaceae Faboideae	*Glycine microphylla*				•
	Fabaceae Faboideae	*Glycine tabacina*	•			•
	Fabaceae Faboideae	*Gompholobium grandiflorum*	•			•
	Fabaceae Faboideae	*Gompholobium minus*	•			•
	Fabaceae Faboideae	*Hardenbergia violacea*	•			•
	Fabaceae Faboideae	*Kennedia rubicunda*	•			•
	Fabaceae Faboideae	*Platylobium formosum ssp formosum*	•			•
	Fabaceae Faboideae	*Pultenaea elliptica*	•			•
	Fabaceae Faboideae	*Pultenaea flexilis*	•			•
	Fabaceae Faboideae	*Pultenaea rosmarinifolia*	•			•
	Fabaceae Faboideae	*Pultenaea stipularis*	•		•	•
	Fabaceae-Mimosoideae	*Acacia binervia*	•			•
	Fabaceae-Mimosoideae	*Acacia decurrens*	•			•
	Fabaceae-Mimosoideae	*Acacia floribunda*	•			•
	Fabaceae-Mimosoideae	*Acacia irrorata*				•
	Fabaceae-Mimosoideae	*Acacia linifolia*	•		•	•
	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*	•			•
	Fabaceae-Mimosoideae	*Acacia longissima*	•			
	Fabaceae-Mimosoideae	*Acacia parramattensis*	•			•
	Fabaceae-Mimosoideae	*Acacia suaveolens*	•			•
	Fabaceae-Mimosoideae	*Acacia terminalis*	•			•
	Fabaceae-Mimosoideae	*Acacia ulicifolia*	•			•
	Geraniaceae	*Geraneum homeanum*	•			•
	Haloragaceae	*Gonocarpus micranthus*	•			•
	Lamiaceae	*Plectranthus parvifolius*	•			•

	Lobeliaceae	*Lobelia gracilis*	•			•
	Lobeliaceae	*Pratia purpurascens*	•			•
	Malvaceae	*Brachychiton acerifolius*	•			
	Meliaceae	*Synoum glandulosum*	•			•
	Menispermaceae	*Sarcopetalum harveyanum*	•			•
	Moraceae	*Ficus rubiginosa*	•			•
	Myrsinaceae	*Myrsine (Rapanea) variabilis*	•		•	•
	Myrtaceae	*Acmena smithii*	•		•	•
	Myrtaceae	*Angophora costata*	•		•	•
	Myrtaceae	*Backhousia myrtifolia*	•			•
	Myrtaceae	*Callistemon citrinus*	•			•
	Myrtaceae	*Corymbia gummifera*	•			•
	Myrtaceae	*Darwinia sp.*	•			•
	Myrtaceae	*Eucalyptus globoidea*	•			•
	Myrtaceae	*Eucalyptus haemastoma*	•			•
	Myrtaceae	*Eucalyptus paniculata*	•		•	•
	Myrtaceae	*Eucalyptus pilularis*	•		•	•
	Myrtaceae	*Eucalyptus piperita*	•			•
	Myrtaceae	*Eucalyptus punctata*				•
	Myrtaceae	*Eucalyptus resinifera*	•			•
	Myrtaceae	*Eucalyptus saligna*	•		•	
	Myrtaceae	*Kunzea ambigua*	•			•
	Myrtaceae	*Leptospermum polygalifolium*	•			•
	Myrtaceae	*Leptospermum squarrosum*	•			•
	Myrtaceae	*Leptospermum trinervium*	•			•
	Myrtaceae	*Melaleuca ericifolia*	•			
	Myrtaceae	*Melaleuca sp.*				•
	Myrtaceae	*Syncarpia glomulifera*	•		•	•
	Myrtaceae	*Tristaniopsis laurina*	•		•	•
	Oleaceae	*Notelaea longifolia*	•		•	•

	Onagraceae	*Epilobium billardieranum*	•			
	Pittosporaceae	*Billardiera scandens*	•			•
	Pittosporaceae	*Pittosporum revolutum*	•			•
	Pittosporaceae	*Pittosporum undulatum*	•		•	•
	Polygalaceae	*Comesperma volubile*	•			•
	Polygonaceae	*Persicaria hydropiper*	•			•
	Proteaceae	*Banksia ericifolia*	•			•
	Proteaceae	*Banksia integrifolia*	•			•
	Proteaceae	*Banksia oblongifolia*	•			•
	Proteaceae	*Banksia serrata*	•			•
	Proteaceae	*Banksia spinulosa*	•			•
	Proteaceae	*Grevillea buxifolia*	•			•
	Proteaceae	*Grevillea linearifolia*	•			•
	Proteaceae	*Grevillea sericea*	•			
	Proteaceae	*Hakea dactyloides*	•			•
	Proteaceae	*Hakea sericea*	•			•
	Proteaceae	*Lomatia silaifolia*	•			•
	Proteaceae	*Persoonia levis*	•			•
	Proteaceae	*Persoonia linearis*	•			•
	Proteaceae	*Persoonia pinifolia*			•	
	Proteaceae	*Xylomelum pyriforme*	•			•
	Ranunculaceae	*Clematis aristata*	•			•
	Rhamnaceae	*Pomaderris sp*	•			•
	Rosaceae	*Rubus sp*	•			•
	Rubiaceae	*Morinda jasminoides*	•		•	•
	Rubiaceae	*Opercularia aspera*	•			•
	Rubiaceae	*Pomax umbellata*	•			•
	Rutaceae	*Zieria pilosa*	•			•
	Rutaceae	*Zieria smithii*	•			•
	Sapindaceae	*Alectryon subcinereus*	•			•

	Sapindaceae	*Dodonaea triquetra*	•			•
	Scrophulariaceae	*Veronica plebeia*	•			•
	Sterculiaceae	*Lasiopetalum ferrugineum var. ferrugineum*	•			•
	Thymeliaceae	*Pimelea linifolia*	•			•
	Tremandraceae	*Tetratheca bauerifolia*	•			
	Verbenaceae	*Clerodendrum tomentosum*	•			•
	Violaceae	*Viola hederacea*	•			•
	Vitaceae	*Cayratia clematidea*	•			•
	Vitaceae	*Cissus hypoglauca*	•			•
MONOCOTS	Araceae	Alocasia brisbanensis	•			
	Araceae	Alocasia macrorrhiza				•
	Araceae	Gymnostachys anceps	•	•		
	Commelinaceae	Commelina cyanea	•		•	•
	Cyperaceae	Gahnia melanocarpa	•			•
	Cyperaceae	Gahnia spp.			•	
	Cyperaceae	Lepidosperma gunnii	•			•
	Cyperaceae	Lepidosperma laterale	•		•	•
	Juncaceae	Juncus usitatus	•			•
	Lomandraceae	Lomandra filiformis ssp filiformis	•			•
	Lomandraceae	Lomandra longifolia	•		•	•
	Lomandraceae	Lomandra micranth spp tuberculata	•	•		
	Lomandraceae	Lomandra obliqua	•			•
	Luzuriagaceae	Eustrephus latifolius			•	•
	Orchidaceae	Acianthus fornicatus	•	•		
	Orchidaceae	Caladenia sp	•			
	Orchidaceae	Caladenia carnea		•		
	Orchidaceae	Cryptostylis sp	•			•
	Orchidaceae	Dendrobium speciosum	•			•
	Orchidaceae	Pterostylis nutans	•	•		

	Philesiaceae	Geitonoplesium cymosum	•			•
	Phormiaceae	Dianella caerulea var caerulea	•		•	
	Phormiaceae	Dianella caerulea var producta				•
	Phormiaceae	Dianella longifolia var longifolia	•			•
	Phormiaceae	Dianella revoluta	•			
	Poaceae	Aristida sp	•			•
	Poaceae	Cymbopogon refractus	•			•
	Poaceae	Digitaria parviflora	•	•		
	Poaceae	Echinopogon caespitosus	•			•
	Poaceae	Entolasia marginata	•			•
	Poaceae	Entolasia stricta	•			•
	Poaceae	Imperata cylindrica	•			
	Poaceae	Imperata cylindrica var major				•
	Poaceae	Microlaena stipoides	•			•
	Poaceae	Oplismenus aemulus	•			•
	Poaceae	Poa affinis				•
	Poaceae	Themeda australis	•			•
	Restionaceae	Lepyrodia scariosa	•			•
	Smilacaceae	Smilax australis	•		•	•
	Smilacaceae	Smilax glyciphylla	•		•	•
	Uvulariaceae	Schelhammera undulata				•
	Xanthorrhoeaceae	Xanthorrhoea arborea	•		•	•
	Xanthorrhoeaceae	Xanthorrhoea media ssp. media	•			•

5.2.2 Aboriginal Archaeological Site Information

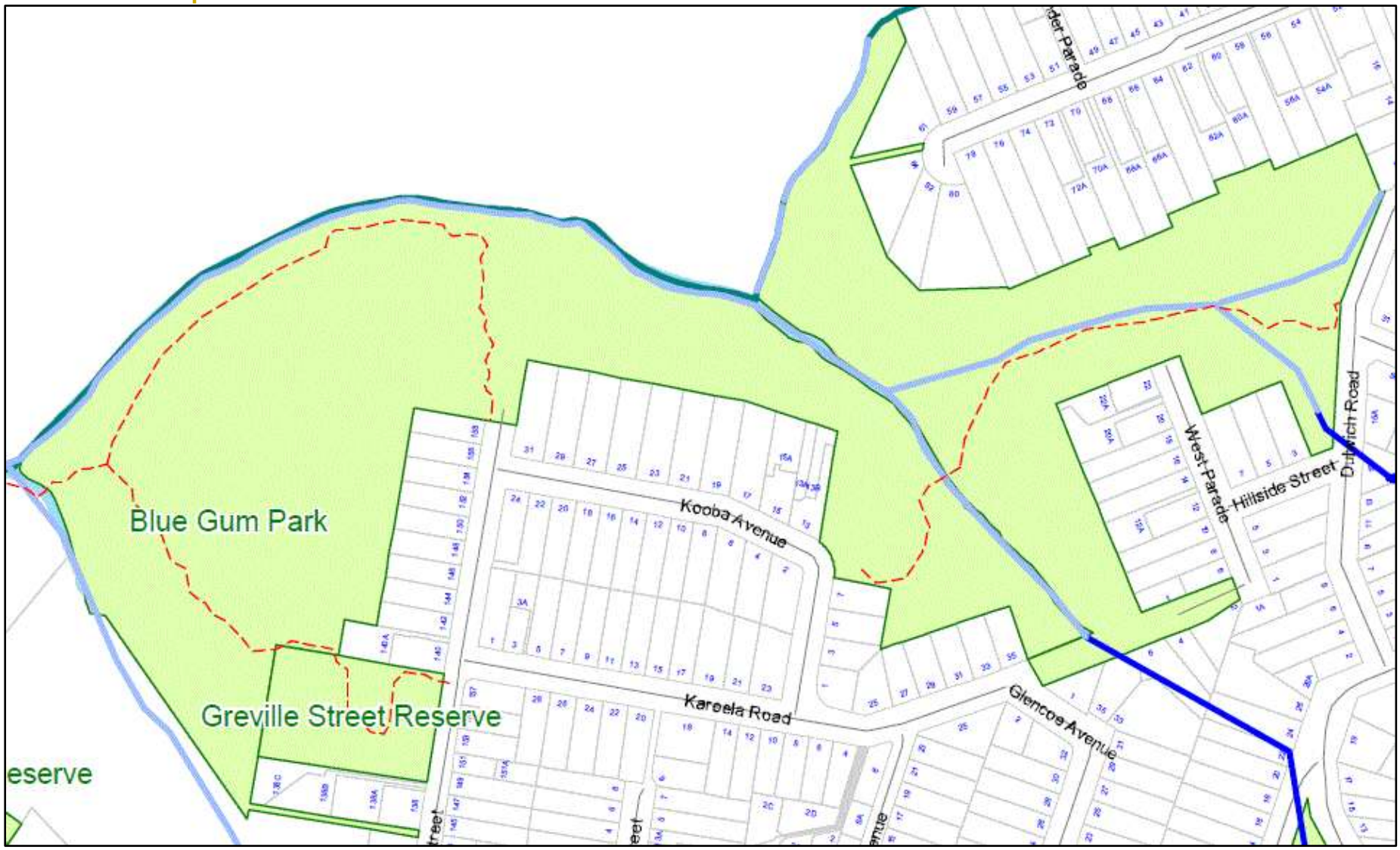
Blue Gum Park			
AHO#	**AHIMS#**	**Site Type 1**	**Site Type 2**
WILL-037	45-6-1633	Shelter Art	Shelter Midden
WILL-049	45-6-1946	Shelter Art	Shelter Midden

5.2.3 Reserve Assets

Reserve Name	Asset Type	Asset Description	Material Description	Quantity	Comments
Blue Gum Park	Bench	No concrete base	Natural Log		Log on log
Blue Gum Park	Fence	Bollard	Treated Pine		Rounds
Blue Gum Park	Fence	General Fencing	Chain Mesh		Safety fencing (40 lm) - drop-off
Blue Gum Park	Fence	General Fencing	N/A		Safety fencing (50 lm) - two rail no mesh
Blue Gum Park	Fence	Other	Metal		Slip rail gate
Blue Gum Park	Fence	Other	Metal		Swing arm gate
Blue Gum Park	Fence	Other	Timber		Hardwood sliding gate
Blue Gum Park	Fence	Retaining Wall	Other		Sandstone block
Blue Gum Park	Picnic Setting	No concrete base	Natural Log		Table and bench slab
Blue Gum park	Sign	General	Timber/Metal		Wildlife Protection Area
Blue Gum Park	Sign	General	Metal		No Dumping
Blue Gum Park	Sign	General	Metal		Interpretive - Creek Pardalote
Blue Gum Park	Sign	General	Metal		Wildlife Protection Area
Blue Gum Park	Sign	General	Metal		Bushcare
Blue Gum Park	Sign	General	Metal	2	Wildlife Protection Area
Blue Gum Park	Sign	General	Metal	2	Interpretive - Rifle Range
Blue Gum Park	Sign	General	Metal		Interpretive - Vegetation Change
Blue Gum Park	Sign	Name	Timber/Metal		Blue Gum Park

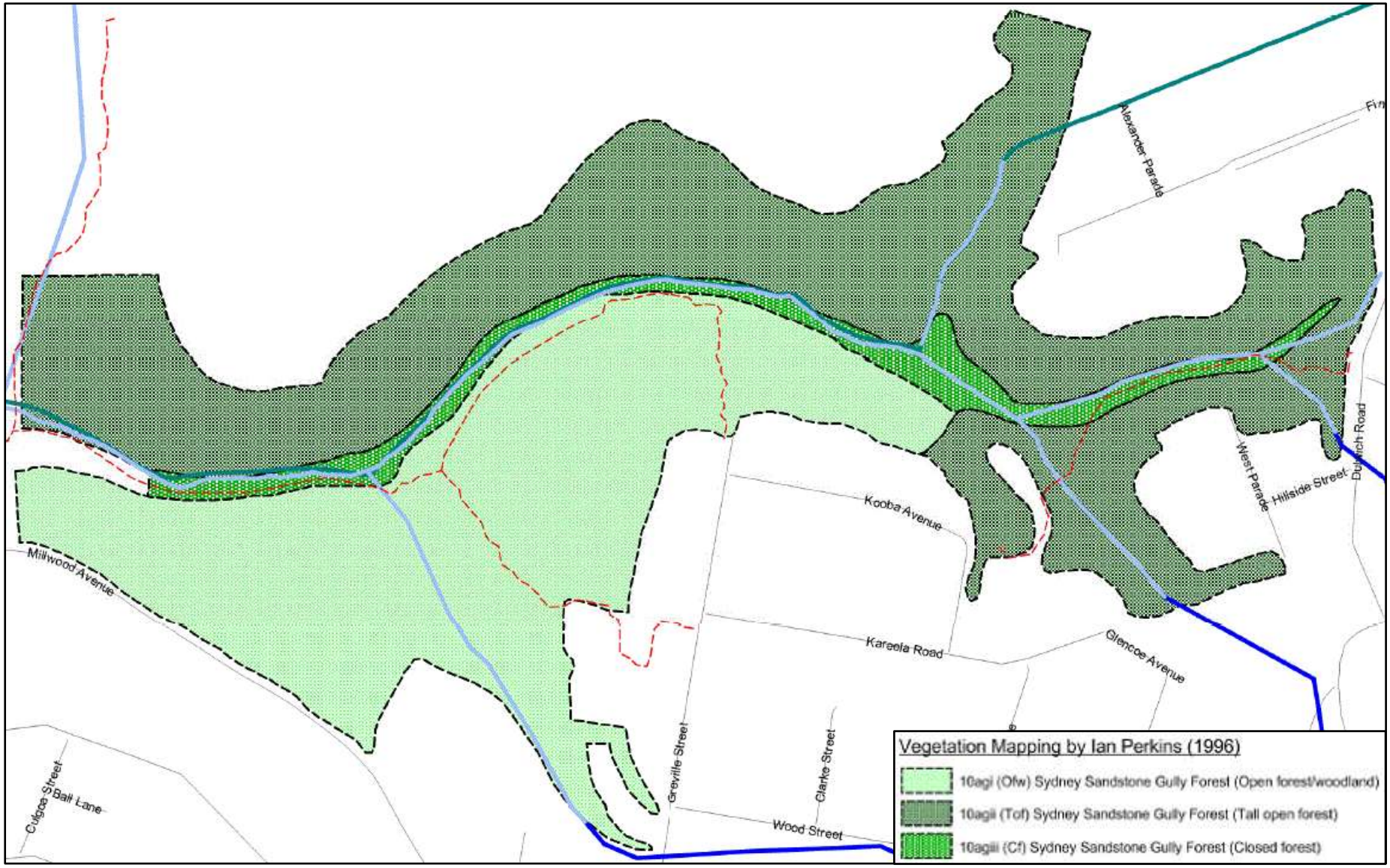
Blue Gum Park	Sign	Name	Timber	2	Blue Gum Park
Blue Gum Park	Sign	Other	Timber		Directional Sign Post
Blue Gum Park	Sign	Regulatory	Metal		Triangular
Blue Gum Park	Sign	Regulatory	Timber/Metal	2	No Dumping $300
Greville Street Reserve	BBQ	Brick or metal surrounds and concrete base	N/A		
Greville Street Reserve	BBQ	Electric Double plate	N/A		
Greville Street Reserve	Bench	Concrete base	Concrete/Timber		concrete and timber
Greville Street Reserve	Bench	Concrete base	Concrete/Timber	2	old style painted concrete
Greville Street Reserve	Bench	No concrete base	Timber/Metal	2	
Greville Street Reserve	Bin	N/A	Plastic		On stand
Greville Street Reserve	Fence	Bollard	Treated Pine	11	
Greville Street Reserve	Fence	General Fencing	Chain Mesh		
Greville Street Reserve	Fence	General Fencing	Metal		Swing gate and fence
Greville Street Reserve	Garden	Informal	No edging		
Greville Street Reserve	Lighting	Light post	N/A		
Greville Street Reserve	Picnic Setting	Concrete base	Concrete	2	Old style painted concrete
Greville Street Reserve	Sign	General	N/A		Walking Sydney harbour and coast map

5.2.4 Maps

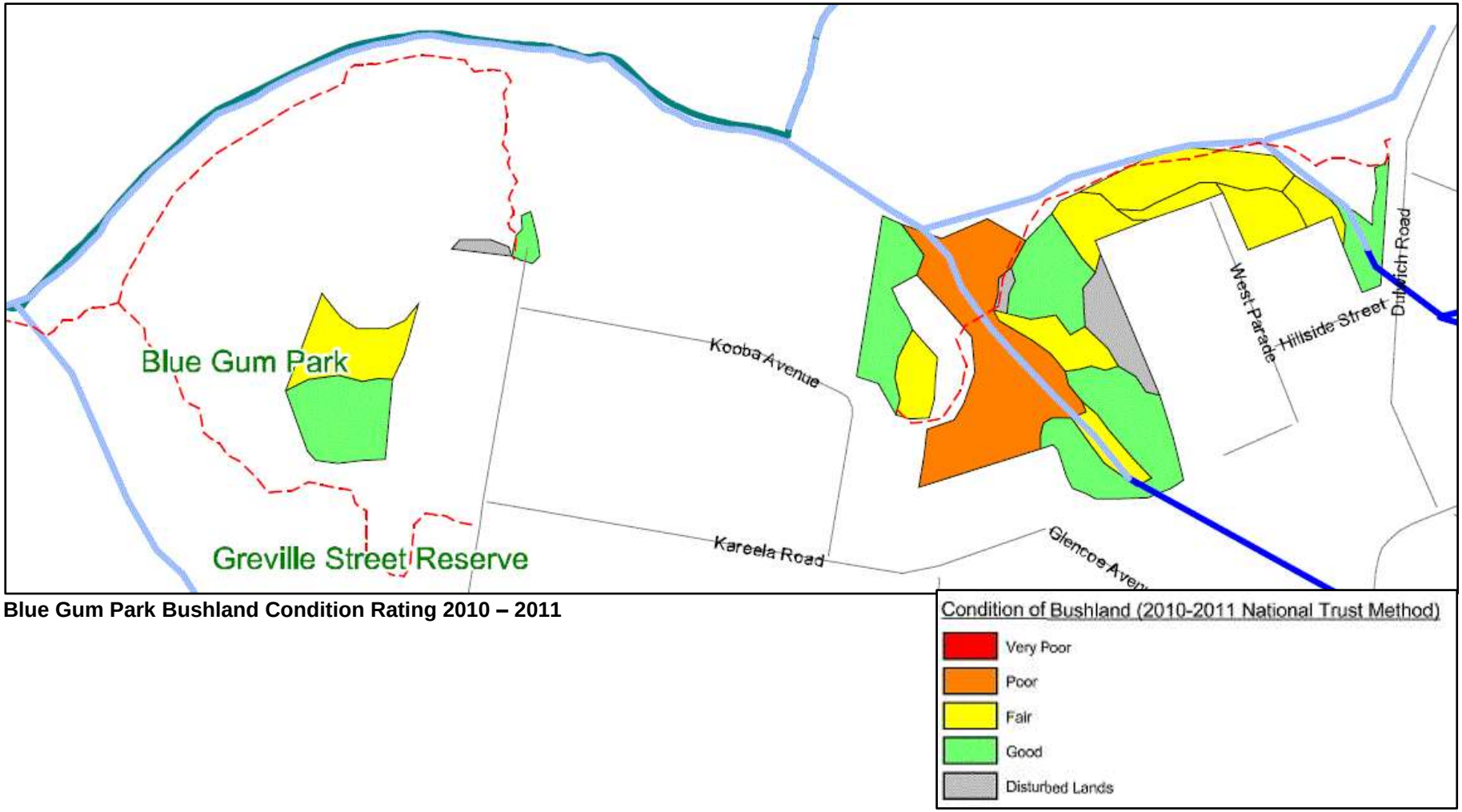


Blue Gum Park Outline

Blue Gum Park Outline Aerial



Blue Gum Park Native Vegetation Communities



Blue Gum Park Bushland Condition Rating 2010 – 2011

5.3 Castle Cove Park

Castle Cove Park is a 6.2 hectare multi use area consisting of two sports fields, a pavilion, children's playground, fitness equipment, and a BMX track surrounded by native bushland. The bushland covers 4.1 hectares and is important for wildlife connectivity linking H.D. Robb Reserve, Castle Cove Golf Club, Willis Park, North Arm Reserve and Middle Harbour.
Castle Cove Park is located in the Middle Harbour Watershed catchment area.

5.3.1 Native Plant Species List

Castle Cove Park			National Trust 1980	H Spies 1991
	Family	**Genus-species**		
FERNS	Cyatheaceae	*Cyathea cooperi*		•
	Dennstaedtiaceae	*Histiopteris incisa*		•
	Dicksoniaceae	*Calochlaena dubia*		•
	Gleicheniaceae	*Gleichenia dicarpa*		•
	Lindsaeaceae	*Lindsaea microphylla*		•
DICOTS	Apiaceae	*Actinotus helianthi*	•	•
	Apiaceae	*Actinotus minor*	•	
	Apiaceae	*Platysace linearifolia*	•	•
	Apiaceae	*Xanthosia tridentata*	•	
	Araliaceae	*Polyscias sambucifolia*	•	
	Bignoniaceae	*Pandorea pandorana*		•
	Casuarinaceae	*Allocasuarina distyla*	•	
	Casuarinaceae	*Allocasuarina littoralis*	•	•
	Cunoniaceae	*Bauera rubioides*		•
	Cunoniaceae	*Callicoma serratifolia*		•
	Droseraceae	*Drosera spathulata*	•	
	Elaeocarpaceae	*Elaeocarpus reticulatus*	•	

	Ericaceae Styphelioideae	*Epacris longiflora*	•	
	Ericaceae Styphelioideae	*Epacris microphylla*	•	•
	Ericaceae Styphelioideae	*Leucopogon ericoides*	•	
	Ericaceae Styphelioideae	*Leucopogon microphyllus*	•	
	Ericaceae Styphelioideae	*Sprengelia incarnata*		•
	Ericaceae Styphelioideae	*Woollsia pungens*	•	•
	Euphorbiaceae	*Glochidion ferdinandi*	•	•
	Euphorbiaceae	*Micrantheum ericoides*	•	
	Euphorbiaceae	*Omalanthus populifolius*	•	
	Euphorbiaceae	*Phyllanthus hirtellus (syn. P. thymoides)*	•	•
	Fabaceae Faboideae	*Bossiaea scolopendria*	•	
	Fabaceae Faboideae	*Dillwynia retorta*	•	
	Fabaceae Faboideae	*Hovea linearis*	•	
	Fabaceae Faboideae	*Pultenaea elliptica*	•	
	Fabaceae-Mimosoideae	*Acacia linifolia*	•	
	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*	•	•
	Fabaceae-Mimosoideae	*Acacia myrtifolia*	•	
	Fabaceae-Mimosoideae	*Acacia suaveolens*	•	•
	Fabaceae-Mimosoideae	*Acacia terminalis*	•	•
	Fabaceae-Mimosoideae	*Acacia ulicifolia*	•	
	Goodeniaceae	*Dampiera stricta*	•	
	Goodeniaceae	*Goodenia stelligera*	•	
	Goodeniaceae	*Scaevola ramosissima*	•	
	Lamiaceae	*Hemigenia pupurea*	•	
	Myrtaceae	*Angophora hispida*		•
	Myrtaceae	*Baeckea imbricata*	•	
	Myrtaceae	*Corymbia gummifera*	•	•
	Myrtaceae	*Darwinia fascicularis*	•	
	Myrtaceae	*Eucalyptus globoidea*	•	
	Myrtaceae	*Eucalyptus haemastoma*		•
	Myrtaceae	*Eucalyptus piperita*		•
	Myrtaceae	*Eucalyptus punctata*	•	•
	Myrtaceae	*Kunzea ambigua*	•	•
	Myrtaceae	*Kunzea capitata*	•	

	Myrtaceae	*Leptospermum squarrosum*	•	
	Myrtaceae	*Leptospermum trinervium*	•	
	Pittosporaceae	*Billardiera scandens*	•	•
	Pittosporaceae	*Pittosporum undulatum*	•	•
	Proteaceae	*Banksia ericifolia*	•	•
	Proteaceae	*Banksia oblongifolia*	•	
	Proteaceae	*Banksia serrata*	•	•
	Proteaceae	*Banksia spinulosa*	•	•
	Proteaceae	*Conospermum longifolium*	•	
	Proteaceae	*Grevillea buxifolia*	•	•
	Proteaceae	*Grevillea sericea*		•
	Proteaceae	*Hakea dactyloides*	•	•
	Proteaceae	*Hakea teretifolia*	•	•
	Proteaceae	*Lambertia formosa*		•
	Proteaceae	*Lomatia silaifolia*	•	•
	Proteaceae	*Persoonia lanceolata*	•	
	Proteaceae	*Persoonia levis*	•	
	Rutaceae	*Boronia ledifolia*		•
	Rutaceae	*Boronia pinnata*	•	
	Rutaceae	*Crowea saligna*	•	•
	Rutaceae	*Phebalium squamulosum ssp squamulosum*	•	•
	Sapindaceae	*Dodonaea triquetra*	•	
MONOCOTS	Anthericaceae	*Tricoryne simplex*	•	
	Cyperaceae	*Caustis pentandra*	•	
	Cyperaceae	*Lepidosperma laterale*	•	
	Iridaceae	*Patersonia glabrata*	•	
	Iridaceae	*Patersonia sericea*	•	
	Lomandraceae	*Lomandra glauca*	•	
	Lomandraceae	*Lomandra obliqua*		•
	Orchidaceae	*Cryptostylis erecta*	•	
	Phormiaceae	*Dianella caerulea var caerulea*	•	•
	Phormiaceae	*Dianella revoluta*	•	
	Poaceae	*Imperata cylindrica*	•	

	Poaceae	*Oplismenus imbecillis*	•	
	Restionaceae	*Lepyrodia scariosa*	•	
	Smilacaceae	*Smilax glyciphylla*		•
	Xanthorrhoeaceae	*Xanthorrhoea arborea*	•	
	Xanthorrhoeaceae	*Xanthorrhoea sp.*		•

5.3.2 Aboriginal Archaeological Site Information

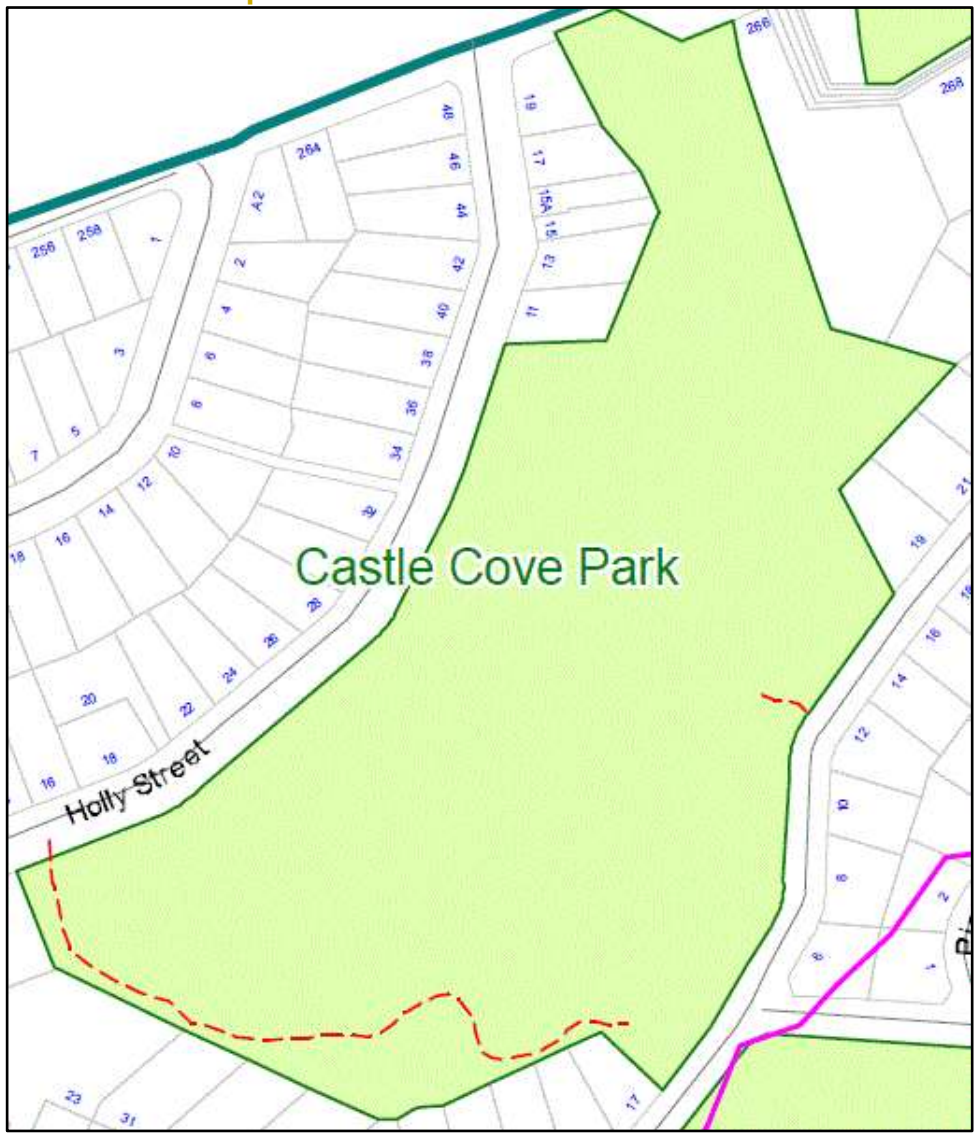
There are no recorded Aboriginal archaeological sites in Castle Cove Park.

5.3.3 Reserve Assets

Reserve Name	Asset Type	Asset Description	Material Description	Quantity	Comments
Castle Cove Golf Course	Sign	Name	Timber/Metal		Castle Cove Golf Course
Castle Cove Golf Course	Sign	Name	Timber/Metal		Castle Cove Golf Course
Castle Cove Park	BBQ	Brick or metal surrounds and concrete base	N/A		
Castle Cove Park	BBQ	Electric Double plate	N/A		
Castle Cove Park	Bench	Concrete base	Concrete/Timber		Long brick bench spectator seating
Castle Cove Park	Bench	No concrete base	Natural Log		
Castle Cove Park	Bench	No concrete base	Recycled Plastic		
Castle Cove Park	Bench	No concrete base	Timber/Metal	4	
Castle Cove Park	Bin	N/A	Plastic	3	Bin withstand
Castle Cove Park	Bin	N/A	Plastic	2	Sulu bin
Castle Cove Park	Bin	N/A	Plastic		Dog poo bin
Castle Cove Park	Dirt bike track	N/A	N/A		
Castle Cove Park	Exercise Station	N/A	N/A		
Castle Cove Park	Fence	Bollard	Metal	3	
Castle Cove Park	Fence	Bollard	Timber	30	

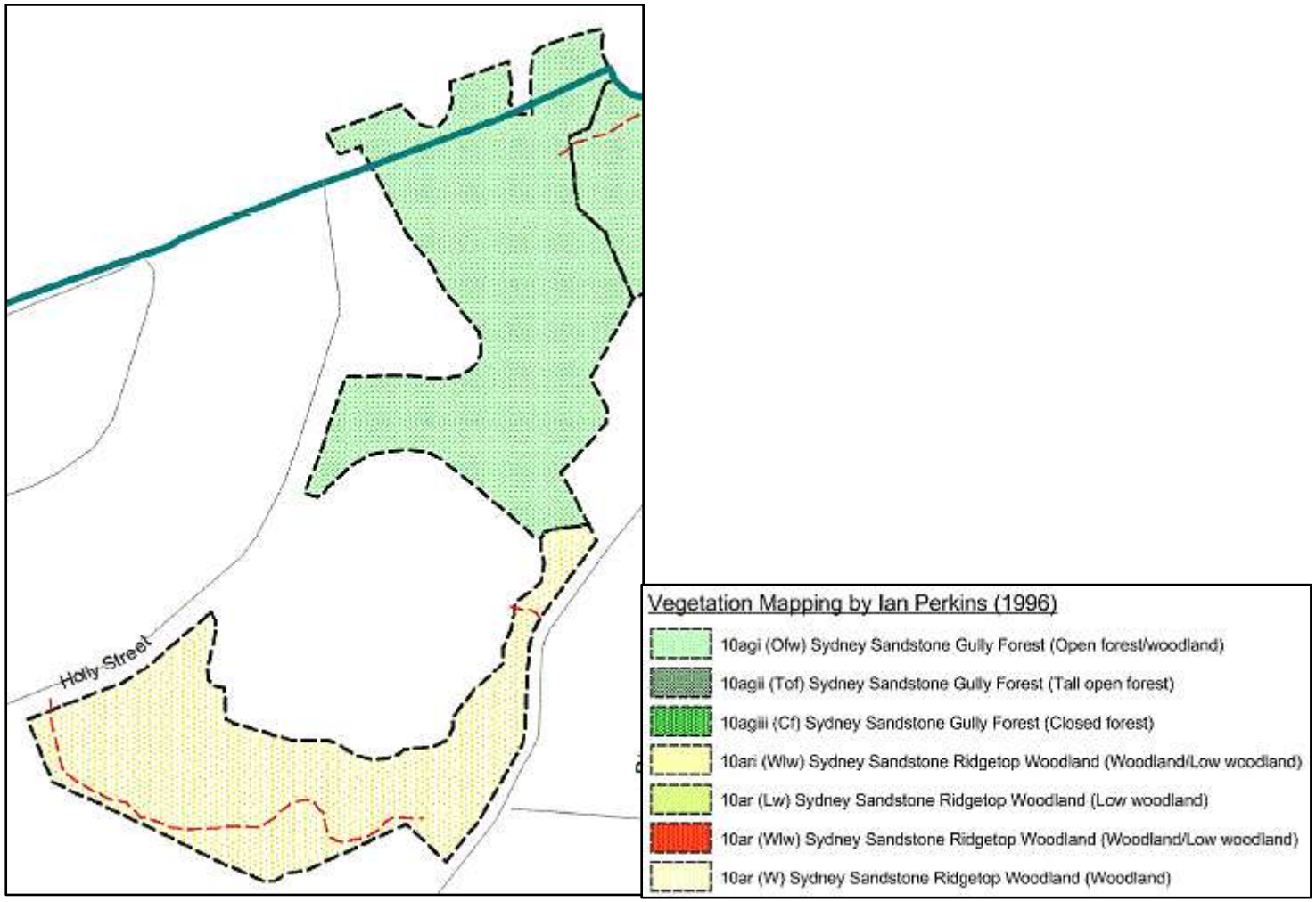
Castle Cove Park	Fence	General Fencing	Galv Metal Balustrade		h=2m
Castle Cove Park	Fence	General Fencing	Metal		Posts and pole vehicle access gate
Castle Cove Park	Fence	General Fencing	Slip rail		.75h includes swing gate
Castle Cove Park	Fence	General Fencing	Timber		Timber posts with wire PLAYGROUND FENCE
Castle Cove Park	Fence	Playground Fence	Galv Metal Balustrade		
Castle Cove Park	Fence	Other	Metal		Swing arm gate and lock
Castle Cove Park	Fence	Other	Slip rail		Sliding rail gate
Castle Cove Park	Garden	Informal	No Edging		
Castle Cove Park	Other	N/A	N/A		Timber boardwalk with 2 bridges - included in Bridges data
Castle Cove Park	Picnic Setting	Concrete base	Treated Pine	3	
Castle Cove Park	Sign	General	Metal		Bushcare
Castle Cove Park	Sign	General	N/A	2	Dirt bike track conditions
Castle Cove Park	Sign	General	N/A		Unleashed dog
Castle Cove Park	Sign	General	N/A		No smoking- on fence
Castle Cove Park	Sign	Name	Timber/Metal		Castle Cove Park
Castle Cove Park	Sign	Name	N/A	2	
Castle Cove Park	Sign	Regulatory	N/A		

5.3.4 Maps

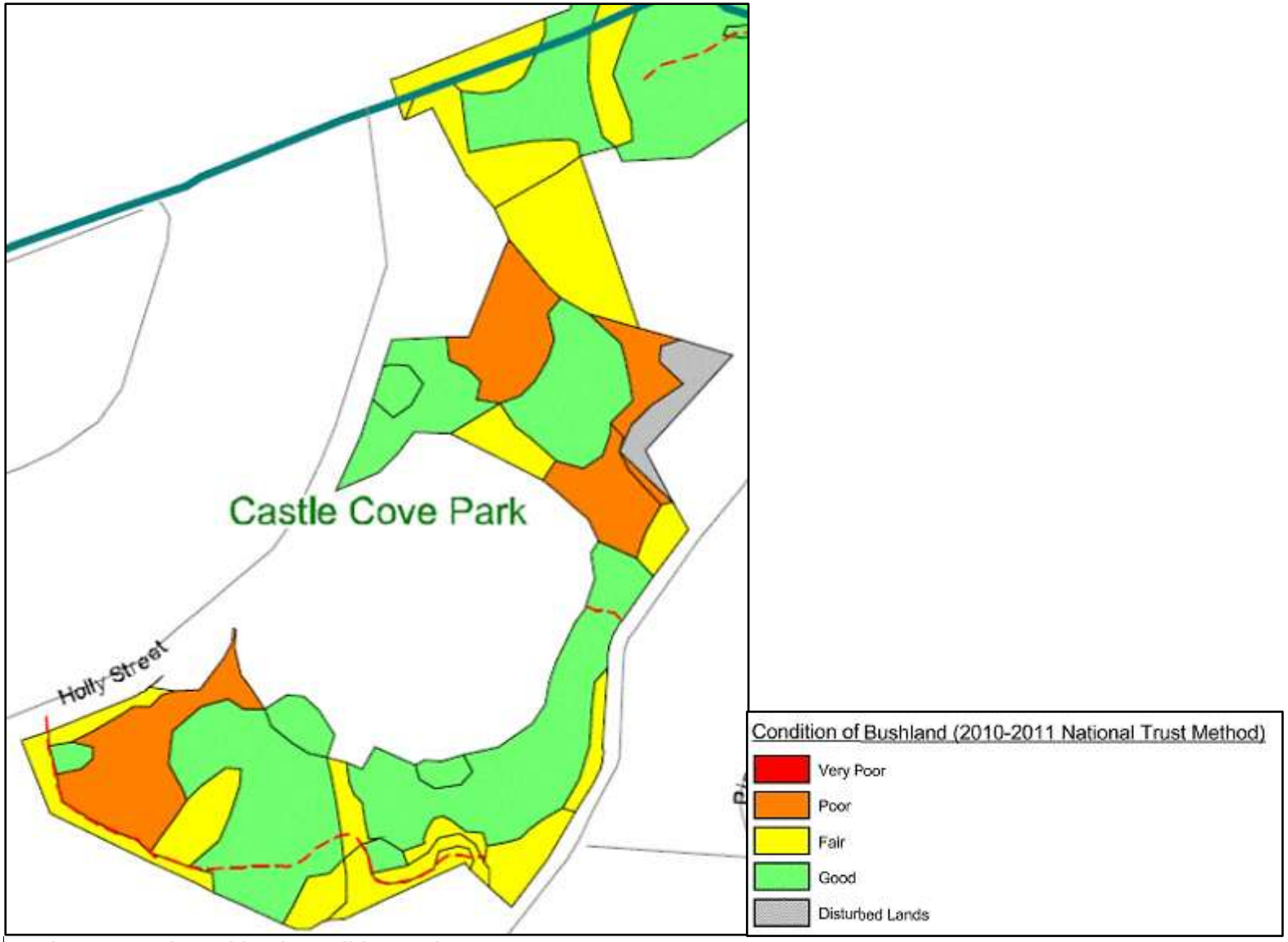


Castle Cove Park Outline

Castle Cove Park Outline Aerial



Castle Cove Park Native Vegetation Communities



Castle Cove Park Bushland Condition Rating 2010 – 2011

5.4 Castlecrag Group of Reserves

The Castlecrag group consists of the Griffin reserves network (not Watergate Reserve and Warners Park), and also two others, Linden Way and Beverley Blacklock Reserves.

The Griffin reserve group is a network of small reserves connected via pathways, drainage reserves and road islands located on the southern side of the Castlecrag peninsula. The group was designed by architects Walter Burley Griffin and his wife Marion Mahony Griffin with the idea to retain the natural landscape character of its harbour location. There are 17 reserves located in the network measuring less than 6 hectares, 40 pathways & drainage reserves, and 20 road reserves. For a complete list of all reserve inventories please refer to the *Griffin Reserves Castlecrag Plan of Management 2014*.
All reserves in the Castlecrag group are located in the Sailors Bay Creek catchment part of the Middle Harbour catchment area.

Reserves in the group include:

- Beverley Blacklock Reserve
- Buttress Reserve
- Casement Reserve
- Castlehaven Reserve
- Cortile Reserve
- Embrasure Reserve
- Gargoyle Reserve
- Keep Reserve
- Linden Way Reserve
- Lookout Reserve
- Merlon Reserve
- Oriel Reserve
- Retreat Reserve
- Sailors Bay Park
- The Bailey
- Tower Reserve
- Turret Reserve

5.4.1 Native Plant Species List

Castlecrag Group of Reserves			The Haven Amphitheatre	Linden Way	Tower Reserve	Oriel Reserve	Gargoyle Reserve	Embrassure Reserve	Lookout Reserve	Corteille Reserve	Turret Reserve	The Keep	Casement Reserve
			Sylvia Taylor 198	National Trust 1980	National Trust 1980	National Trust 1980	National Trust 1980 (bush)	National Trust 1980 (bush)	National Trust 1980 (bush)	National Trust 1980 (bush)	National Trust 1980	National Trust 1980	National Trust 1980
	Family	**Genus-species**											
CONIFERS	Podocarpaceae	*Podocarpus spinulosus*	•										
FERNS	Adiantaceae	*Adiantum aethiopicum*	•										
	Blechnaceae	*Doodia aspera*	•										
	Cyatheaceae	*Cyathea australis*	•										
	Cyatheaceae	*Cyathea cooperi*	•										
	Dennstaedtiaceae	*Histiopteris incisa*	•										
	Dennstaedtiaceae	*Pteridium esculentum*	•										
	Dicksoniaceae	*Calochlaena dubia*	•										
	Pteridaceae	*Cheilanthes austrotenuifolia*										•	
	Pteridaceae	*Pellaea falcata*										•	
	Pteridaceae	*Pteris tremula*	•										
DICOTS	Apiaceae	*Actinotus helianthi*			•								
	Apiaceae	*Actinotus minor*		•									

	Apiaceae	*Centella asiatica*	•										
	Apiaceae	*Platysace linearifolia*			•								
	Apiaceae	*Xanthosia pilosa*		•	•								
	Araliaceae	*Polyscias sambucifolia*	•	•							•		
	Asteraceae	*Cotula australis*	•										
	Campanulaceae	*Wahlenbergia gracilis*	•										
	Cassythaceae	*Cassytha pubescens*	•										
	Casuarinaceae	*Allocasuarina distyla*	•	•	•								•
	Casuarinaceae	*Allocasuarina littoralis*	•			•					•		
	Cunoniaceae	*Callicoma serratifolia*	•									•	
	Cunoniaceae	*Ceratopetalum apetalum*	•										
	Cunoniaceae	*Ceratopetalum gummiferum*	•									•	
	Dilleniaceae	*Hibbertia dentata*	•										
	Dilleniaceae	*Hibbertia scandens*	•										
	Elaeocarpaceae	*Elaeocarpus reticulatus*	•		•	•		•			•	•	
	Ericaceae Styphelioideae	*Epacris longiflora*		•	•	•					•	•	•
	Ericaceae Styphelioideae	*Styphelia longifolia*	•										
	Ericaceae Styphelioideae	*Woollsia pungens*											•
	Euphorbiaceae	*Breynia oblongifolia*	•										
	Euphorbiaceae	*Glochidion ferdinandi*	•						•			•	
	Euphorbiaceae	*Omalanthus populifolius*	•		•	•					•		
	Euphorbiaceae	*Phyllanthus gastroemii*	•										
	Euphorbiaceae	*Phyllanthus hirtellus (syn. P. thymoides)*	•								•		
	Fabaceae Faboideae	*Bossiaea scolopendria*		•									
	Fabaceae Faboideae	*Dillwynia retorta*	•										
	Fabaceae Faboideae	*Glycine clandestina*	•										
	Fabaceae Faboideae	*Hardenbergia violacea*	•										
	Fabaceae Faboideae	*Kennedia rubicunda*	•										
	Fabaceae Faboideae	*Pultenaea elliptica*		•								•	
	Fabaceae Faboideae	*Pultenaea flexilis*	•										
	Fabaceae Faboideae	*Viminaria juncea*									•		
	Fabaceae-Mimosoideae	*Acacia floribunda*	•										

	Fabaceae-Mimosoideae	*Acacia irrorata*	•										
	Fabaceae-Mimosoideae	*Acacia linifolia*	•										
	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*	•										
	Fabaceae-Mimosoideae	*Acacia suaveolens*	•	•	•			•			•		•
	Fabaceae-Mimosoideae	*Acacia terminalis*	•					•				•	
	Fabaceae-Mimosoideae	*Acacia ulicifolia*		•									
	Loranthaceae	*Amyema miquelii*	•										
	Menispermaceae	*Stephania japonica*	•										
	Moraceae	*Ficus rubiginosa*	•		•	•							
	Myrsinaceae	*Myrsine (Rapanea) variabilis*	•										
	Myrtaceae	*Acmena smithii*	•										
	Myrtaceae	*Angophora costata*	•								•	•	
	Myrtaceae	*Corymbia gummifera*	•	•		•		•			•		
	Myrtaceae	*Eucalyptus haemastoma*		•	•						•		•
	Myrtaceae	*Eucalyptus piperita*	•			•		•				•	
	Myrtaceae	*Kunzea ambigua*	•	•	•						•	•	•
	Myrtaceae	*Leptospermum polygalifolium*	•										
	Oleaceae	*Notelaea longifolia*	•										
	Pittosporaceae	*Billardiera scandens*	•										
	Pittosporaceae	*Pittosporum revolutum*	•										
	Pittosporaceae	*Pittosporum undulatum*	•	•	•	•			•		•	•	•
	Proteaceae	*Banksia ericifolia*	•	•	•	•					•		•
	Proteaceae	*Banksia integrifolia*	•										
	Proteaceae	*Banksia marginata*	•										
	Proteaceae	*Banksia oblongifolia*		•	•								
	Proteaceae	*Banksia serrata*	•			•					•	•	•
	Proteaceae	*Banksia spinulosa*	•										
	Proteaceae	*Grevillea buxifolia*				•							
	Proteaceae	*Grevillea linearifolia*	•			•						•	
	Proteaceae	*Grevillea sericea*	•										
	Proteaceae	*Hakea dactyloides*	•		•	•		•					
	Proteaceae	*Hakea gibbosa*				•							
	Proteaceae	*Hakea sericea*	•										•

	Proteaceae	*Hakea teretifolia*			•	•					•		
	Proteaceae	*Lambertia formosa*	•								•		
	Proteaceae	*Lomatia silaifolia*	•									•	
	Proteaceae	*Persoonia lanceolata*			•								
	Proteaceae	*Persoonia levis*	•										
	Proteaceae	*Persoonia pinifolia*	•									•	
	Rubiaceae	*Opercularia aspera*									•	•	
	Rutaceae	*Crowea saligna*	•	•		•						•	•
	Rutaceae	*Phebalium squamulosum ssp squamulosum*		•	•								•
	Rutaceae	*Zieria pilosa*				•							
	Rutaceae	*Zieria smithii*	•										
	Sapindaceae	*Dodonaea triquetra*	•	•	•								
	Sterculiaceae	*Lasiopetalum ferrugineum var. ferrugineum*									•		
	Verbenaceae	*Clerodendrum tomentosum*	•										
	Violaceae	*Viola hederacea*	•										
MONOCOTS	Araceae	*Gymnostachys anceps*	•										
	Commelinaceae	*Commelina cyanea*	•	•		•	•				•	•	
	Cyperaceae	*Carex inversa*	•										
	Cyperaceae	*Caustis flexuosa*										•	
	Cyperaceae	*Caustis pentandra*		•	•								
	Cyperaceae	*Cyperus gracilis*	•										
	Cyperaceae	*Cyperus laevis*	•										
	Cyperaceae	*Cyperus polystachos*	•										
	Cyperaceae	*Gahnia erythrocarpa*	•										
	Cyperaceae	*Gahnia spp.*			•			•					
	Cyperaceae	*Lepidosperma filiforme*	•										
	Cyperaceae	*Lepidosperma laterale*	•										
	Cyperaceae	*Lepidosperma limicola*	•										
	Juncaceae	*Juncus usitatus*	•										
	Phormiaceae	*Dianella caerulea var caerulea*	•	•	•						•	•	•
	Lomandraceae	*Lomandra filiformis ssp filiformis*	•										

	Lomandraceae	*Lomandra glauca*		•									
	Lomandraceae	*Lomandra longifolia*	•					•					
	Philesiaceae	*Geitonoplesium cymosum*	•										
	Poaceae	*Agrostis aemula*	•										
	Poaceae	*Danthonia tenuior*	•										
	Poaceae	*Dichelachne crinita*	•										
	Poaceae	*Entolasia marginata*	•										
	Poaceae	*Entolasia stricta*	•										
	Poaceae	*Eragrostis brownii*	•										
	Poaceae	*Oplismenus imbecillis*	•										
	Smilacaceae	*Smilax glyciphylla*	•		•	•						•	
	Xanthorrhoeaceae	*Xanthorrhoea arborea*		•				•					
	Xanthorrhoeaceae	*Xanthorrhoea media ssp. media*	•										
	Xanthorrhoeaceae	*Xanthorrhoea resinosa*									•		

5.4.2 Aboriginal Archaeological Site Information

Castlecrag Group		
AHO#	**AHIMS#**	**Site Type**
WILL-146	45-6-2945	Midden
WILL-161	45-6-2732	Midden
WILL-162	45-6-3002	Midden
WILL-167	45-6-3020	Midden
WILL-168	45-6-3019	Engraving
WILL-174	45-6-2959	Shelter Midden
WILL-175	45-6-3018	Shelter Midden
WILL-179	45-6-3017	Shelter Midden
WILL-180	45-6-3057	Shelter PAD
WILL-197	45-6-new	Shelter Midden

5.4.3 Reserve Assets

Reserve Name	Asset Type	Asset Description	Material Description	Quantity	Comments
Beverley Blacklock Reserve	Bench	No concrete base	Natural Log	3	Slab
Beverley Blacklock Reserve	Bench	No concrete base	Natural Log		Slab and back
Beverley Blacklock Reserve	Plaque	Other	Stone Edging		Beverley Blacklock Memorial
Casement Reserve	Bench	No concrete base	Natural Log		Slab
Casement Reserve	Plaque	Name	N/A		Bronze Griffin reserve plaque
Castlecrag pathway P 25	Sign	Other	Timber		Directional Sign Post
Castlecrag Pathway P10 Embrasure	Sign	Other	Timber		Directional Sign Post
Castlecrag pathway P15	Sign	Other	Timber		Directional Sign Post
Castlecrag pathway P16	Sign	Other	Timber		Directional Sign Post
Castlecrag pathway P17	Sign	Other	Timber		Directional Sign Post
Castlecrag Pathway P19	Sign	Other	Timber	2	Directional Sign Post
Castlecrag Pathway P20	Sign	Other	Timber		Directional Sign Post
Castlecrag pathway P23	Sign	Other	Timber		Directional Sign Post
Castlecrag Pathway P29	Sign	Other	Timber		Directional Sign Post
Castlecrag Pathway P8 Embrasure Reserve	Sign	Other	Timber		Directional Sign Post
Castlehaven Reserve	Plaque	Name	N/A	2	Bronze Griffin reserve plaque
Castlehaven Reserve Castlecrag pathway P29	Sign	Other	Timber		Directional Sign Post
Castlehaven Reserve P35	Sign	Other	Timber		Directional Sign Post
Cortile Reserve P2	Plaque	Name	N/A		Bronze Griffin reserve plaque
Cortile Reserve P2	Sign	Other	Timber		Directional Sign Post
Edinburgh road	Gazebo/Shelter	Complex shelter	Timber/Metal		Bus Shelter and bench seats
Edinburgh road bus stop	Bin	N/A	Plastic		Bin and stand
Embrasure Reserve	Plaque	Name	N/A		Bronze Griffin reserve plaque
Embrasure Reserve	Sign	Other	Timber	2	Directional Sign Post
Gargoyle Reserve	Plaque	Name	N/A		Bronze Griffin reserve plaque
Gargoyle Reserve	Sign	Other	Timber		Directional Sign Post

Keep Reserve	Plaque		N/A		Federation Track map on sandstone boulder
Keep Reserve	Plaque	Name	N/A		Bronze Griffin reserve plaque
Keep Reserve	Sign	General	Timber		Timber directional post
Keep Reserve	Sign	Other	Other		Griffin federation track bronze plaque on sandstone plinth
Linden Way Reserve	Bench	No concrete base	Concrete/Timber		concrete and timber
Linden Way Reserve	Garden	Informal	Stone Edging		bush garden with log edging
Linden Way Reserve	Plaque	Other	N/A		
Linden Way Reserve	Plaque	Name	N/A		Bronze Griffin reserve plaque
Lookout Reserve	Bench	No concrete base	Natural Log		Slab
Lookout Reserve	Plaque	Name	N/A		Bronze Griffin reserve plaque
Lookout Reserve	Sign	Other	Timber		Directional Sign Post
Lookout Reserve P4	Sign	Other	Timber		Directional Sign Post
Lookout Reserve P5	Sign	Other	Timber		Directional Sign Post
Lookout Reserve P6	Sign	Other	Timber		Directional Sign Post
Merlon Reserve	Plaque	Name	N/A		Bronze Griffin reserve plaque set into rock
Oriel Reserve	Bench	No concrete base	Natural Log		Slab
Oriel Reserve	Plaque	Name	N/A		Bronze Griffin reserve plaque
Oriel Reserve	Sign	Other	Timber		Directional Sign Post
Retreat Reserve	Plaque	Name	N/A		Bronze Griffin reserve plaque set into rock
The Bailey	Plaque	Name	N/A		Bronze Griffin reserve plaque
The Barbette road island	Bench	No concrete base	Natural Log		Slab
Tower Reserve	Bench	No concrete base	Natural Log	2	Slab
Tower Reserve	Plaque	Name	N/A		Bronze Griffin reserve plaque
Tower Reserve	Sign	Other	Timber	2	Directional Sign Post
Turret Reserve	Plaque	Name	N/A		Bronze Griffin reserve plaque
Turret Reserve	Sign	Other	Timber	2	Directional Sign Post
Turrett Reserve	Other	N/A	N/A		Cricket pitch (Couch)

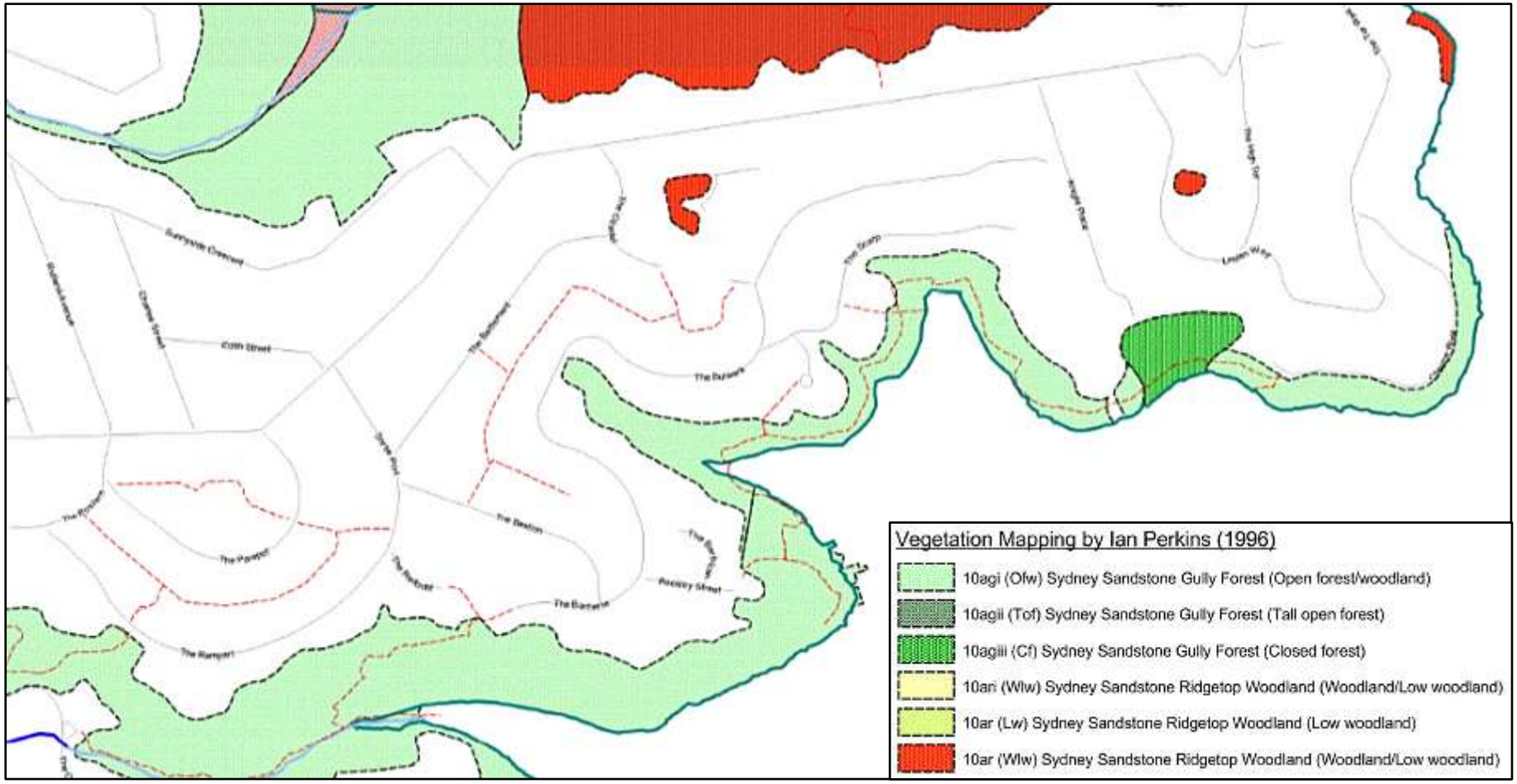
5.4.4 Heritage Listed Items

Reserve	Item	Heritage Listing	Address
Castlehaven Reserve	Open Air Theatre	Local Environmental Plan	The Barricade, Castlecrag

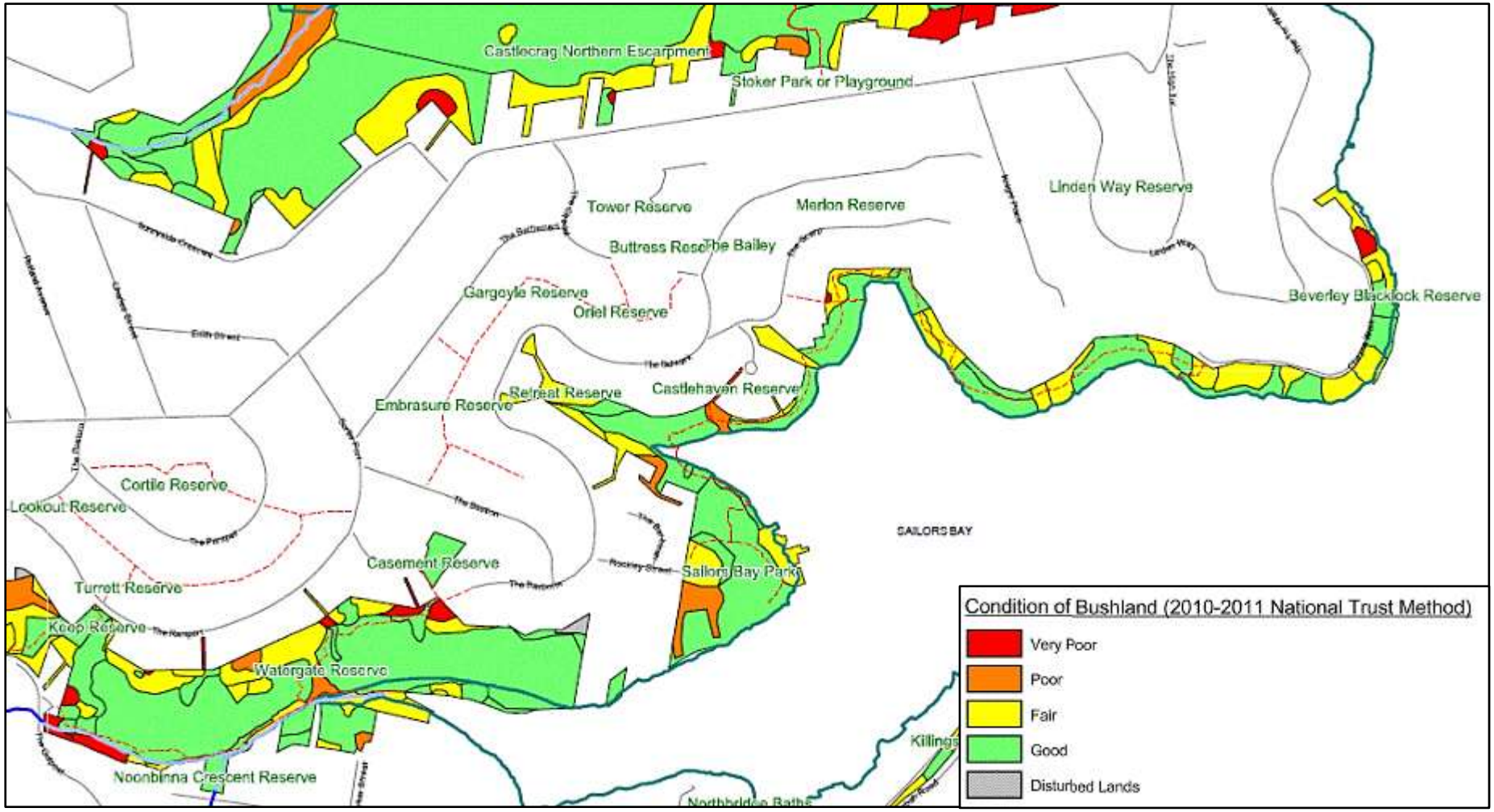
5.4.5 Maps

Castlecrag Group Outline

Castlecrag Group Outline Aerial



Castlecrag Group Native Vegetation Communities



Castlecrag Group Bushland Condition Rating 2010 – 2011

5.5 Castlecrag Northern Escarpment

The Castlecrag Northern Escarpment is a 23.3 hectare steeply inclined bushland reserve that rises precipitously from Sugarloaf Bay in Middle Harbour on the Castlecrag Peninsula. The reserve is abundant in bluffs and rock outcrops comprised of Hawkesbury sandstone which is a feature of the bushland areas adjacent to Middle Harbour. The soils are generally shallow with some pockets of clay. Sugarloaf Creek flows into the Reserve from the western escarpment with a small but significant stand of rainforest species forming a closed forest over the creek. Almost the entire northern escarpment of the Castlecrag Peninsula is included in the reserve. It is bordered by Harold Reid Reserve to the north (Camp creek acts as a boundary) and the edges of properties and roads to the east and south. The reserve surrounds the south arm of Sugarloaf Bay.
The Castlecrag Northern Escarpment is located in the Sugarloaf Creek catchment part of the Middle Harbour catchment area.

5.5.1 Native Plant Species List

Castlecrag Northern Escarpment			J Messer	Castlecrag NW Escarpment from Local Environmental Study 1982	DMR blocks adjacent 95 Sunnyside Cres Castlecrag S Taylor 1989
	Family	**Genus-species**			
FORK FERNS	Psilotaceae	*Psilotum nudum*		•	
CONIFERS	Cupressaceae	*Callitris muelleri*		•	
	Cupressaceae	*Callitris rhomboidea*	•		
FERNS	Adiantaceae	*Adiantum aethiopicum*	•	•	
	Aspleniaceae	*Asplenium flabellifolium*	•	•	
	Blechnaceae	*Blechnum cartilagineum*		•	
	Blechnaceae	*Blechnum nudum*		•	
	Cyatheaceae	*Cyathea australis*		•	

	Dennstaedtiaceae	*Histiopteris incisa*		•	•
	Dennstaedtiaceae	*Pteridium esculentum*	•	•	•
	Dicksoniaceae	*Calochlaena dubia*		•	•
	Gleicheniaceae	*Gleichenia dicarpa*	•	•	•
	Gleicheniaceae	*Sticherus flabellatus*		•	•
	Lindsaeaceae	*Lindsaea linearis*		•	
	Lindsaeaceae	*Lindsaea microphylla*		•	
	Osmandaceae	*Todea barbara*		•	
	Pteridaceae	*Pteris tremula*		•	•
DICOTS	Aizoaceae	*Tetragonia tetragonioides*			•
	Apiaceae	*Actinotus helianthi*		•	
	Apiaceae	*Actinotus minor*	•	•	
	Apiaceae	*Platysace linearifolia*	•	•	
	Araliaceae	*Polyscias sambucifolia*	•	•	•
	Asteraceae	*Cotula australis*			•
	Asteraceae	*Ozothamnus diosmifolium*		•	
	Bignoniaceae	*Pandorea pandorana*	•	•	
	Campanulaceae	*Wahlenbergia gracilis*			•
	Cassythaceae	*Cassytha pubescens*		•	•
	Casuarinaceae	*Allocasuarina distyla*	•	•	•
	Casuarinaceae	*Allocasuarina littoralis*	•	•	•
	Casuarinaceae	*Allocasuarina verticillata*	•		
	Casuarinaceae	*Casuarina glauca*		•	
	Cunoniaceae	*Bauera rubioides*		•	•
	Cunoniaceae	*Callicoma serratifolia*	•	•	
	Cunoniaceae	*Ceratopetalum apetalum*	•	•	
	Cunoniaceae	*Ceratopetalum gummiferum*	•	•	•
	Dilleniaceae	*Hibbertia dentata*		•	
	Dilleniaceae	*Hibbertia diffusa*	•	•	•
	Elaeocarpaceae	*Elaeocarpus reticulatus*	•	•	•
	Ericaceae Styphelioideae	*Epacris longiflora*	•	•	•
	Ericaceae Styphelioideae	*Epacris microphylla*	•	•	

	Ericaceae Styphelioideae	*Epacris pulchella*	•	•	
	Ericaceae Styphelioideae	*Leucopogon amplexicaulis*	•		
	Ericaceae Styphelioideae	*Leucopogon microphyllus*	•	•	
	Ericaceae Styphelioideae	*Leucopogon setiger*	•	•	
	Ericaceae Styphelioideae	*Styphelia laeta*		•	
	Ericaceae Styphelioideae	*Styphelia tubiflora*	•		
	Ericaceae Styphelioideae	*Woollsia pungens*	•	•	•
	Euphorbiaceae	*Breynia oblongifolia*		•	
	Euphorbiaceae	*Glochidion ferdinandi*		•	
	Euphorbiaceae	*Omalanthus populifolius*		•	
	Fabaceae Faboideae	*Aotus ericoides*		•	
	Fabaceae Faboideae	*Bossiaea heterophylla*		•	
	Fabaceae Faboideae	*Dillwynia floribunda*	•		
	Fabaceae Faboideae	*Dillwynia sp.*		•	
	Fabaceae Faboideae	*Glycine clandestina*		•	
	Fabaceae Faboideae	*Hardenbergia violacea*		•	
	Fabaceae Faboideae	*Hovea linearis*		•	
	Fabaceae Faboideae	*Hovea purpurea*	•	•	
	Fabaceae Faboideae	*Pultenaea daphnoides*	•		
	Fabaceae Faboideae	*Pultenaea flexilis*	•		
	Fabaceae Faboideae	*Pultenaea stipularis*	•	•	
	Fabaceae Faboideae	*Viminaria juncea*	•		
	Fabaceae-Mimosoideae	*Acacia elata*	•	•	
	Fabaceae-Mimosoideae	*Acacia floribunda*	•	•	
	Fabaceae-Mimosoideae	*Acacia linifolia*	•		
	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*	•	•	
	Fabaceae-Mimosoideae	*Acacia suaveolens*	•	•	
	Fabaceae-Mimosoideae	*Acacia terminalis*	•	•	
	Fabaceae-Mimosoideae	*Acacia ulicifolia*	•	•	
	Geraniaceae	*Geranium neglectum*		•	
	Goodeniaceae	*Goodenia sp*		•	
	Lamiaceae	*Prostanthera linearis*	•	•	
	Lobeliaceae	*Lobelia gibbosa*		•	

	Lobeliaceae	*Lobelia gracilis*		•	
	Moraceae	*Ficus rubiginosa*		•	
	Myrsinaceae	*Aegiceras corniculatum*		•	
	Myrsinaceae	*Myrsine (Rapanea) variabilis*		•	
	Myrtaceae	*Acmena smithii*	•	•	
	Myrtaceae	*Angophora bakeri*		•	
	Myrtaceae	*Angophora costata*	•	•	
	Myrtaceae	*Angophora hispida*		•	
	Myrtaceae	*Corymbia gummifera*	•	•	
	Myrtaceae	*Eucalyptus haemastoma*		•	
	Myrtaceae	*Eucalyptus maculata*		•	
	Myrtaceae	*Eucalyptus piperita*		•	
	Myrtaceae	*Eucalyptus sieberi*	•	•	
	Myrtaceae	*Kunzea ambigua*	•	•	
	Myrtaceae	*Leptospermum polygalifolium*	•	•	
	Myrtaceae	*Leptospermum squarrosum*	•	•	
	Myrtaceae	*Leptospermum trinervium*	•	•	
	Myrtaceae	*Micromyrtus ciliata*			•
	Oleaceae	*Notelaea longifolia*		•	
	Oleaceae	*Notelaea ovata*		•	
	Pittosporaceae	*Billardiera scandens*	•	•	
	Pittosporaceae	*Pittosporum revolutum*	•	•	
	Pittosporaceae	*Pittosporum undulatum*	•	•	
	Polygalaceae	*Comesperma ericinum*	•	•	
	Polygalaceae	*Comesperma volubile*	•		
	Proteaceae	*Banksia ericifolia*	•	•	
	Proteaceae	*Banksia integrifolia*	•	•	
	Proteaceae	*Banksia oblongifolia*		•	
	Proteaceae	*Banksia serrata*	•	•	
	Proteaceae	*Banksia spinulosa*	•	•	
	Proteaceae	*Conospermum ericifolium*	•	•	
	Proteaceae	*Grevillea buxifolia*	•	•	
	Proteaceae	*Grevillea linearifolia*	•	•	

	Proteaceae	*Grevillea speciosa*	•		
	Proteaceae	*Hakea dactyloides*	•	•	
	Proteaceae	*Hakea gibbosa*	•	•	
	Proteaceae	*Hakea teretifolia*	•	•	
	Proteaceae	*Lambertia formosa*	•	•	
	Proteaceae	*Lomatia myricoides*		•	
	Proteaceae	*Lomatia silaifolia*	•	•	
	Proteaceae	*Persoonia lanceolata*	•	•	
	Proteaceae	*Persoonia levis*	•	•	
	Proteaceae	*Persoonia linearis*		•	
	Proteaceae	*Persoonia pinifolia*	•		
	Proteaceae	*Telopea speciosissima*	•	•	
	Proteaceae	*Xylomelum pyriforme*		•	
	Rhamnaceae	*Pomaderris lanigera*	•	•	
	Rutaceae	*Crowea saligna*	•	•	
	Rutaceae	*Phebalium squamulosum ssp squamulosum*		•	
	Santalaceae	*Leptomeria acida*		•	
	Sapindaceae	*Dodonaea triquetra*	•	•	
	Sterculiaceae	*Lasiopetalum ferrugineum var. ferrugineum*	•	•	
	Thymeliaceae	*Pimelea linifolia*	•	•	
	Tremandraceae	*Tetratheca ericifolia*		•	
	Tremandraceae	*Tetratheca pilosa (probably Xanthosia pilos*		•	
	Verbenaceae	*Avicennia marina var. australasica*		•	
	Verbenaceae	*Clerodendrum tomentosum*		•	
	Vitaceae	*Cissus hypoglauca*		•	
MONOCOTS	Anthericaceae	*Sowerbaea juncea*		•	
	Commelinaceae	*Commelina cyanea*			•
	Cyperaceae	*Caustis flexuosa*	•	•	•
	Cyperaceae	*Caustis pentandra*		•	•
	Cyperaceae	*Cyperus gracilis*			•
	Cyperaceae	*Cyperus polystachos*			•
	Cyperaceae	*Lepidosperma filiforme*			•

	Cyperaceae	*Schoenus paludosus*		•	
	Iridaceae	*Patersonia glabrata*	•	•	
	Lomandraceae	*Lomandra glauca*	•	•	
	Lomandraceae	*Lomandra longifolia*	•	•	
	Lomandraceae	*Lomandra obliqua*	•		
	Luzuriagaceae	*Eustrephus latifolius*	•		
	Orchidaceae	*Dendrobium linguiforme*		•	
	Orchidaceae	*Pterostylis sp.*		•	
	Phormiaceae	*Dianella laevis*		•	
	Phormiaceae	*Dianella revoluta*		•	
	Phormiaceae	*Stypandra glauca*		•	
	Phormiaceae	*Thelionema caespitosa*	•	•	
	Poaceae	*Cymbopogon refractus*		•	
	Poaceae	*Danthonia sp.*		•	
	Poaceae	*Entolasia marginata*	•	•	
	Poaceae	*Imperata cylindrica*	•	•	
	Poaceae	*Oplismenus imbecillis*	•	•	
	Poaceae	*Paspalidium criniforme*	•	•	
	Poaceae	*Stipa mollis*	•	•	
	Poaceae	*Tetrarrhena juncea*	•	•	
	Poaceae	*Themeda australis*	•	•	
	Restionaceae	*Restio fastigiatus*		•	
	Smilacaceae	*Smilax australis*	•	•	
	Smilacaceae	*Smilax glyciphylla*	•	•	
	Xanthorrhoeaceae	*Xanthorrhoea arborea*	•	•	
	Xanthorrhoeaceae	*Xanthorrhoea minor*	•	•	

5.5.2 Aboriginal Archaeological Site Information

Similar to other bushland reserves found along the banks of Middle Harbour, the Northern Escarpment has steep sandstone slopes leading to the water's edge. Sugarloaf Creek also runs along the lower edge of the reserve exiting into Middle Harbour providing locations for Aboriginal cultural sites.

Castlecrag Group		
AHO#	**AHIMS#**	**Site Type**
WILL-146	45-6-2945	Midden
WILL-161	45-6-2732	Midden
WILL-162	45-6-3002	Midden
WILL-167	45-6-3020	Midden
WILL-168	45-6-3019	Engraving
WILL-174	45-6-2959	Shelter Midden
WILL-175	45-6-3018	Shelter Midden
WILL-179	45-6-3017	Shelter Midden
WILL-180	45-6-3057	Shelter PAD
WILL-197	45-6-new	Shelter Midden

5.5.3 Reserve Assets

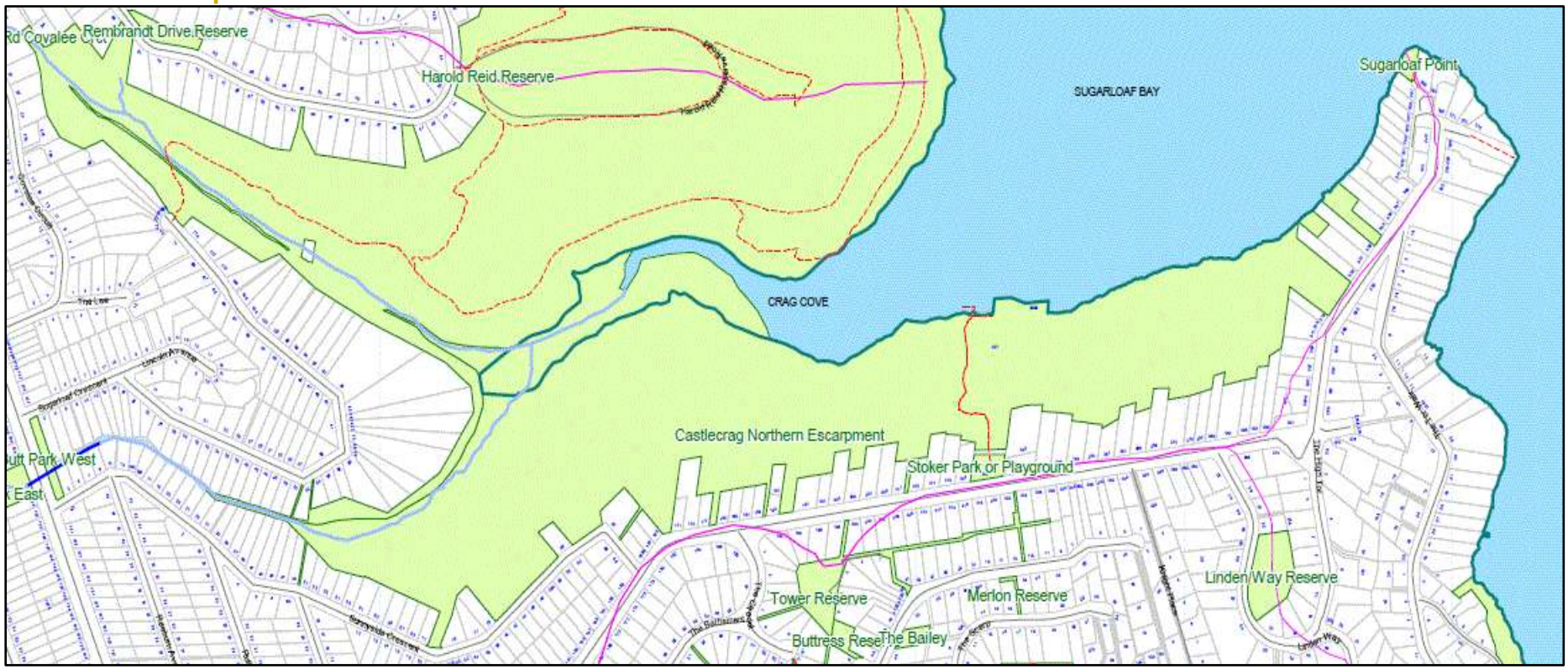
Reserve Name	Asset Type	Asset Description	Material Description	Quantity	Comments
Butt Park East	Sign	General	Metal		Bushcare
Butt Park East	Sign	General	Metal		Interpretive - Long Neck Turtle
Castlecrag Northern Escarpment	Artwork	N/A	N/A		Lizard
Castlecrag Northern escarpment	Bench	No Concrete Base	Timber		Slab with back
Castlecrag Northern Escarpment	Plaque	Other	N/A		On bench
Castlecrag Northern Escarpment	Sign	General	Metal	2	Wildlife Protection Area
Castlecrag Northern Escarpment	Sign	General	N/A		No Dumping Fine $300
Castlecrag Northern escarpment	Sign	N/A	Metal		QR code on sign
Castlecrag Northern Escarpment	Sign	Name	Timber		Castlecrag Northern Escarpment

Castlecrag Northern Escarpment	Sign	Name	Timber		Routed Castlecrag Northern Escarpment
Castlecrag Northern Escarpment	Sign	Regulatory	Metal		Triangular
Sugarloaf Point	Bench	No Concrete Base	Timber/Metal	2	Seat and Back

5.5.4 Heritage Listed Items

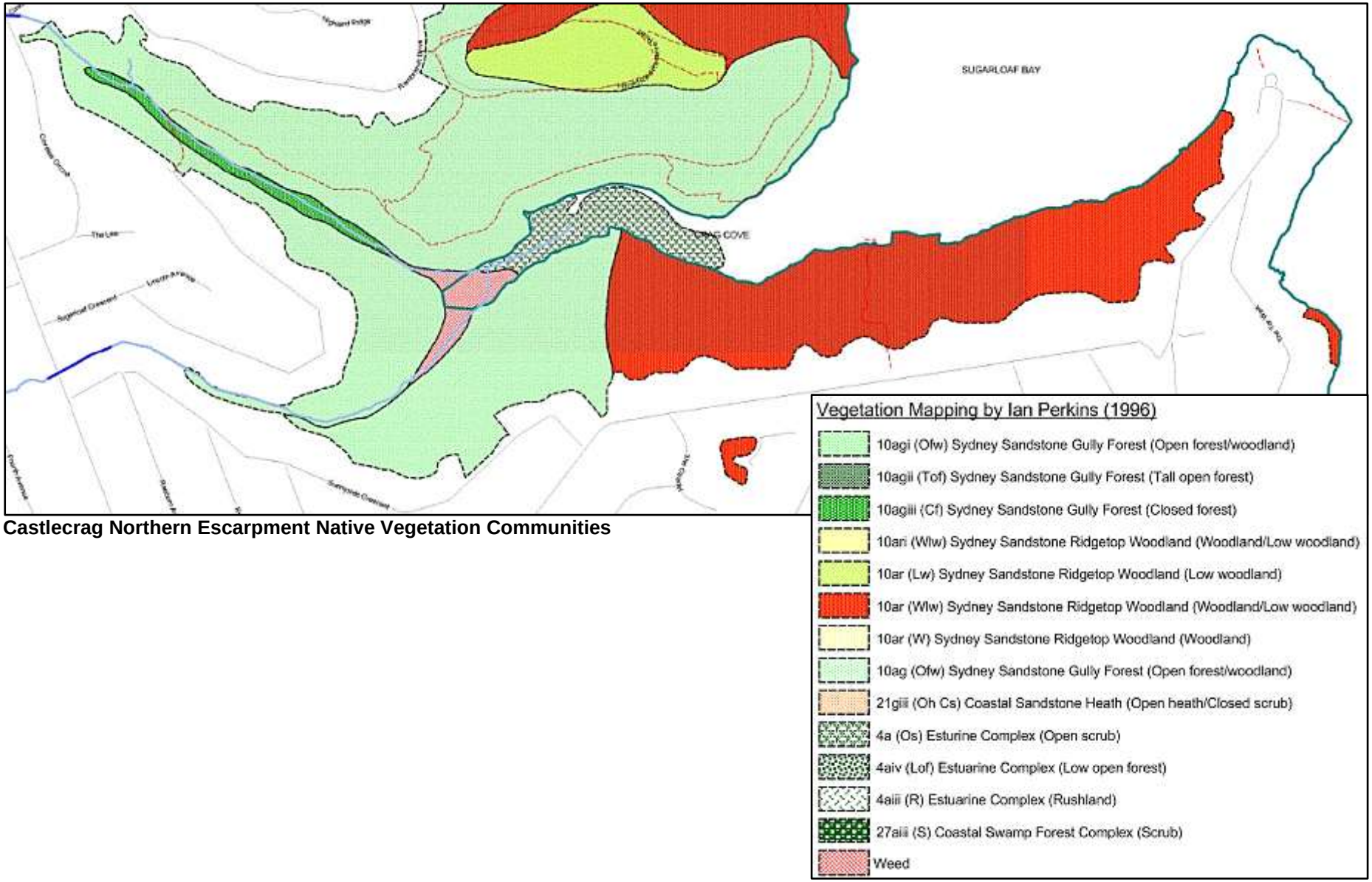
Reserve	Item	Heritage Listing	Address
Castlecrag Northern Escarpment	Stone Walls, Steps and Baths	Regional Environmental Plan	213-217b Edinburgh Road, Castlecrag
Castlecrag Northern Escarpment	Horsley's Boatshed and sea wall (former), now a house.	Regional Environmental Plan	217b Edinburgh Road, Castlecrag
Castlecrag Northern Escarpment	Waterfront Cottage	Local Environmental Plan	227 Edinburgh Road, Castlecrag
Castlecrag Northern Escarpment	Waterfront Cottage	Local Environmental Plan	233 Edinburgh Road, Castlecrag
Castlecrag Northern Escarpment	Remains of Municipal Baths	Regional Environmental Plan	241 Edinburgh Road, Castlecrag
Castlecrag Northern Escarpment	Sea Wall (Stone Walls)	Regional Environmental Plan	297a Edinburgh Road, Castlecrag
Castlecrag Northern Escarpment	Waterfront Cottage	Local Environmental Plan	297a Edinburgh Road, Castlecrag

5.5.5 Maps

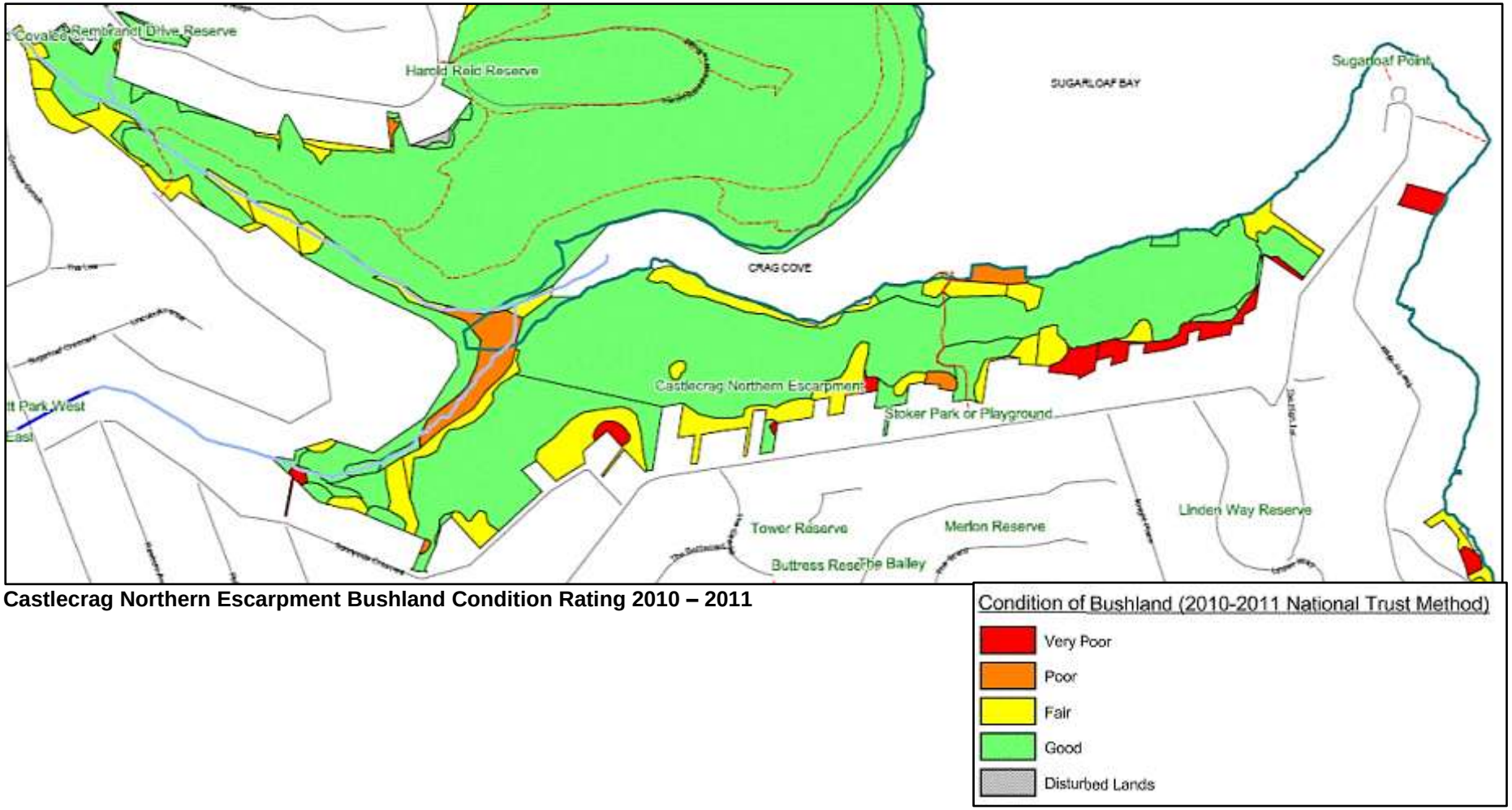


Castlecrag Northern Escarpment Outline

Castlecrag Northern Escarpment Outline Aerial



Castlecrag Northern Escarpment Native Vegetation Communities



Castlecrag Northern Escarpment Bushland Condition Rating 2010 – 2011

5.6 Clive Park Group of Reserves

The Clive Park group is a group of four bushland reserves located in the north-east area of Northbridge. Clive Park is the largest of the four and is 5.4 hectares located at the junction of the Sailors Bay and Flat Rock Creek catchments. The bushland has high ecological integrity, although it is intersected by two roads and numerous pathways with a small creek through the centre, which runs almost continually. It originates from a stormwater drain at the corner of Sailors Bay and Minimbah Roads and exits at the beach. Clive Park has numerous facilities including the Northbridge Sailing Club, Sea Scouts, commercial boat shed, picnic grounds with tables and barbeque facilities, playground equipment, toilet amenities, parking, water views, a small sandy beach and the historical remains of swimming baths.

The other three reserves in the group are much smaller and are 2.1 hectares total in size. Broomham Park, also referred to as The Knoll is small but quite steep with a large rock outcrop that provides views of Middle Harbour, the Spit Bridge, Castlecrag, and the city around to Chatswood. Killingsworth Park and Minimbah Reserve are steep in topography and contain sandstone rock formations that move water down into Sailors Bay.
Minimbah Reserve, Killingsworth and Broomham Park, and the eastern half of Clive Park are located in the Sailors Bay Creek catchment part of the Middle Harbour catchment area. The other half of Clive Park is in the Flat Rock Creek catchment, also part of the Middle Harbour catchment area.

5.6.1 Native Plant Species List

Clive Park Group			**Clive Park**			**Minimbah Reserve**	**Killingsworth Park**	**Broomham Park**
			Chris Melrose 1994	National Trust 1980	Reserve Action Plan 2010	National Trust 1980	National Trust 1980	Reserve Action Plan 2011
	Family	**Genus-species**						
CONIFERS	Cupressaceae	*Callitris rhomboidea*	•		•			•
FERNS	Adiantaceae	*Adiantum aethiopicum*	•		•			•
	Adiantaceae	*Adiantum hispidulum*			•			
	Adiantaceae	*Cheilanthes sp*						•
	Aspleniaceae	*Asplenium australasicum*	•		•			•

	Blechnaceae	*Doodia aspera*	•		•			
	Cyatheaceae	*Cyathea cooperi*	•		•			
	Dennstaedtiaceae	*Pteridium esculentum*	•		•			•
	Dicksoniaceae	*Calochlaena dubia*	•		•			•
	Gleicheniaceae	*Gleichenia dicarpa*	•		•			•
	Lindsaeaceae	*Lindsaea linearis*	•		•			
	Polypodiaceae	*Platycerium bifurcatum*						•
	Pteridaceae	*Cheilanthes austrotenuifolia*			•			
	Pteridaceae	*Cheilanthes sieberi*		•				
	Pteridaceae	*Pellaea falcata*			•			
	Thelypteridaceae	*Christella dentata*	•		•			
DICOTS	Acanthaceae	*Pseuderanthemum variabile*	•		•			
	Apiaceae	*Centella asiatica*	•		•			•
	Apiaceae	*Hydrocotyle peduncularis*	•		•			•
	Apiaceae	*Platysace linearifolia*	•	•	•		•	•
	Apiaceae	*Xanthosia pilosa*	•	•	•			•
	Apiaceae	*Xanthosia tridentata*						•
	Apocynaceae	*Parsonsia straminea*			•			
	Araliaceae	*Polyscias sambucifolia*	•		•			•
	Asclepiadaceae	*Marsdenia suaveolens*	•		•			
	Asclepiadaceae	*Tylophora barbata*	•		•			
	Asteraceae	*Cassinia denticulata*			•			
	Asteraceae	*Ozothamnus diosmifolium*						•
	Bignoniaceae	*Pandorea pandorana*	•	•	•			•
	Campanulaceae	*Wahlenbergia gracilis*			•			
	Campanulaceae	*Wahlenbergia stricta*	•		•			
	Cassythaceae	*cassytha paniculata*	•		•			
	Cassythaceae	*Cassytha pubescens*						•
	Casuarinaceae	*Allocasuarina distyla*						•
	Casuarinaceae	*Allocasuarina littoralis*	•	•	•		•	•
	Casuarinaceae	*Casuarina glauca*	•	•	•			
	Clusiaceae	*Hypericum gramineum*						•

	Convolvulaceae	*Dichondra repens*	•		•			•
	Cunoniaceae	*Bauera rubioides*	•		•			•
	Cunoniaceae	*Callicoma serratifolia*	•		•	•		
	Cunoniaceae	*Ceratopetalum gummiferum*			•			•
	Dilleniaceae	*Hibbertia aspera*						•
	Dilleniaceae	*Hibbertia dentata*						•
	Dilleniaceae	*Hibbertia linearis*			•			
	Dilleniaceae	*Hibbertia obtusifolia*			•			
	Dilleniaceae	*Hibbertia scandens*	•		•			•
	Elaeocarpaceae	*Elaeocarpus reticulatus*	•	•	•			•
	Ericaceae Styphelioideae	*Epacris longiflora*	•		•			•
	Ericaceae Styphelioideae	*Epacris pulchella*	•		•			
	Ericaceae Styphelioideae	*Leucopogon juniperinus*						•
	Ericaceae Styphelioideae	*Woollsia pungens*	•		•			•
	Euphorbiaceae	*Amperea xiphoclada*			•			
	Euphorbiaceae	*Breynia oblongifolia*	•	•	•			•
	Euphorbiaceae	*Glochidion ferdinandi*	•	•	•		•	•
	Euphorbiaceae	*Micrantheum ericoides*			•			
	Euphorbiaceae	*Omalanthus populifolius*	•		•		•	•
	Euphorbiaceae	*Phyllanthus hirtellus (syn. P. thymoides)*	•	•	•			
	Fabaceae Faboideae	*Desmodium varians*						•
	Fabaceae Faboideae	*Glycine clandestina*	•		•			•
	Fabaceae Faboideae	*Gompholobium grandiflorum*			•			
	Fabaceae Faboideae	*Gompholobium latifolium*			•			
	Fabaceae Faboideae	*Hardenbergia violacea*	•		•			•
	Fabaceae Faboideae	*Indigofera australis*	•		•			
	Fabaceae Faboideae	*Kennedia rubicunda*	•		•			•
	Fabaceae Faboideae	*Platylobium formosum ssp formosum*	•	•	•			
	Fabaceae Faboideae	*Pultenaea daphnoides*	•		•			•
	Fabaceae Faboideae	*Pultenaea elliptica*	•		•			
	Fabaceae Faboideae	*Pultenaea flexilis*						•

	Fabaceae Faboideae	*Pultenaea stipularis*						•
	Fabaceae-Mimosoideae	*Acacia decurrens*	•		•			
	Fabaceae-Mimosoideae	*Acacia elata*			•			
	Fabaceae-Mimosoideae	*Acacia falcata*						•
	Fabaceae-Mimosoideae	*Acacia floribunda*	•		•			•
	Fabaceae-Mimosoideae	*Acacia linifolia*	•		•	•	•	•
	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*	•		•			
	Fabaceae-Mimosoideae	*Acacia mearnsii*			•			
	Fabaceae-Mimosoideae	*Acacia suaveolens*			•		•	•
	Fabaceae-Mimosoideae	*Acacia terminalis*	•		•			•
	Fabaceae-Mimosoideae	*Acacia ulicifolia*	•	•	•			•
	Geraniaceae	*Geraneum homeanum*						•
	Goodeniaceae	*Goodenia sp*						•
	Haloragaceae	*Gonocarpus micranthus*			•			•
	Haloragaceae	*Gonocarpus teucrioides*	•		•			
	Haloragaceae	*Haloragis heterophylla*			•			
	Lamiaceae	*Plectranthus parvifolius*	•		•			
	Lamiaceae	*Prostanthera denticulata*						•
	Lamiaceae	*Prostanthera linearis*						•
	Lobeliaceae	*Lobelia gracilis*	•		•			
	Lobeliaceae	*Pratia purpurascens*	•		•			•
	Menispermaceae	*Stephania japonica*	•		•			
	Moraceae	*Ficus rubiginosa*	•	•	•			
	Myrsinaceae	*Myrsine (Rapanea) variabilis*		•	•			
	Myrtaceae	*Acmena smithii*	•		•			
	Myrtaceae	*Angophora costata*	•		•	•	•	•
	Myrtaceae	*Angophora hispida*						•
	Myrtaceae	*Callistemon citrinus*						•
	Myrtaceae	*Callistemon linearis*						•
	Myrtaceae	*Corymbia gummifera*	•	•	•		•	•
	Myrtaceae	*Eucalyptus botryoides*			•			
	Myrtaceae	*Eucalyptus capitellata*						•
	Myrtaceae	*Eucalyptus globoidea*						•

	Myrtaceae	*Eucalyptus haemastoma*	•		•			•
	Myrtaceae	*Eucalyptus maculata*	•		•			
	Myrtaceae	*Eucalyptus pilularis*			•	•		
	Myrtaceae	*Eucalyptus piperita*		•	•			•
	Myrtaceae	*Eucalyptus punctata*	•	•	•			•
	Myrtaceae	*Eucalyptus racemosa*						•
	Myrtaceae	*Eucalyptus resinifera*			•			
	Myrtaceae	*Eucalyptus sieberi*						•
	Myrtaceae	*Kunzea ambigua*			•			•
	Myrtaceae	*Leptospermum laevigatum*	•		•			
	Myrtaceae	*Leptospermum squarrosum*	•		•			
	Myrtaceae	*Leptospermum trinervium*			•			•
	Myrtaceae	*Melaleuca quinquenervia*	•		•			
	Myrtaceae	*Melaleuca styphelioides*	•	•	•			
	Oleaceae	*Notelaea longifolia*	•		•			
	Pittosporaceae	*Billardiera scandens*		•	•			•
	Pittosporaceae	*Pittosporum revolutum*	•		•			
	Pittosporaceae	*Pittosporum undulatum*	•	•	•		•	•
	Polygonaceae	*Rumex brownii*			•			
	Proteaceae	*Banksia ericifolia*	•		•			•
	Proteaceae	*Banksia integrifolia*	•	•	•			•
	Proteaceae	*Banksia marginata*	•		•			
	Proteaceae	*Banksia oblongifolia*						•
	Proteaceae	*Banksia serrata*	•		•		•	•
	Proteaceae	*Banksia spinulosa*						•
	Proteaceae	*Grevillea buxifolia*						•
	Proteaceae	*Grevillea linearifolia*	•	•	•		•	•
	Proteaceae	*Grevillea speciosa*						•
	Proteaceae	*Hakea dactyloides*	•	•	•		•	•
	Proteaceae	*Hakea gibbosa*	•		•			
	Proteaceae	*Hakea sericea*		•	•			•
	Proteaceae	*Hakea teretifolia*	•		•			
	Proteaceae	*Lomatia silaifolia*	•		•			

	Proteaceae	*Persoonia lanceolata*						•
	Proteaceae	*Persoonia levis*	•	•	•			•
	Proteaceae	*Persoonia pinifolia*	•	•	•		•	
	Rubiaceae	*Opercularia aspera*			•			
	Rubiaceae	*Pomax umbellata*	•		•			•
	Rutaceae	*Crowea saligna*	•		•		•	•
	Rutaceae	*Phebalium dentatum*	•	•	•			
	Rutaceae	*Zieria pilosa*			•			
	Rutaceae	*Zieria smithii*			•			•
	Santalaceae	*Exocarpus cupressiformis*			•			
	Sapindaceae	*Dodonaea triquetra*	•	•	•		•	•
	Scrophulariaceae	*Veronica plebeia*	•		•			
	Sterculiaceae	*Lasiopetalum ferrugineum var. ferrugineum*	•		•			
	Thymeliaceae	*Pimelea linifolia*			•			
	Thymeliaceae	*Wikstroemia indica*			•			
	Verbenaceae	*Clerodendrum tomentosum*	•	•	•			
	Vitaceae	*Cissus antarctica*	•		•			
	Vitaceae	*Cissus hypoglauca*	•	•	•			
MONOCOTS	Commelinaceae	*Commelina cyanea*	•		•			•
	Cyperaceae	*Caustis lepidosperma*						•
	Cyperaceae	*Gahnia erythrocarpa*	•		•			
	Cyperaceae	*Lepidosperma laterale*	•	•	•			
	Cyperaceae	*Lepidosperma longitudinale*	•		•			
	Cyperaceae	*Schoenus melanostachys*	•		•			
	Iridaceae	*Patersonia glabrata*						•
	Iridaceae	*Patersonia sericea*			•			•
	Juncaceae	*Juncus usitatus*			•			•
	Lomandraceae	*Lomandra brevis 2RC*						•
	Lomandraceae	*Lomandra cylindrica*			•			•
	Lomandraceae	*Lomandra filiformis ssp coriacea*						•
	Lomandraceae	*Lomandra filiformis ssp filiformis*			•			
	Lomandraceae	*Lomandra gracilis*						•

	Lomandraceae	*Lomandra longifolia*	•	•	•		•	•
	Lomandraceae	*Lomandra obliqua*	•		•			•
	Luzuriagaceae	*Eustrephus latifolius*	•		•			•
	Orchidaceae	*Cryptostylis sp*						•
	Orchidaceae	*Cryptostylis erecta*			•			
	Orchidaceae	*Pterostylis longifolia*						•
	Orchidaceae	*Pterostylis nutans*						•
	Philesiaceae	*Geitonoplesium cymosum*	•					
	Phormiaceae	*Dianella caerulea var caerulea*	•	•	•		•	•
	Phormiaceae	*Dianella longifolia var longifolia*						•
	Phormiaceae	*Dianella revoluta*			•			•
	Poaceae	*Anisopogon avenaceus*			•			•
	Poaceae	*Austradanthonia tenuior*						•
	Poaceae	*Cymbopogon refractus*	•		•			
	Poaceae	*Dichelachne crinita*	•		•			
	Poaceae	*Dichelachne inaequiglumis*						•
	Poaceae	*Digitaria parviflora*	•		•			
	Poaceae	*Echinopogon caespitosus*	•		•			•
	Poaceae	*Entolasia marginata*			•			•
	Poaceae	*Entolasia stricta*			•			•
	Poaceae	*Eragrostis brownii*	•		•			
	Poaceae	*Imperata cylindrica*	•	•	•			•
	Poaceae	*Microlaena stipoides*	•		•			•
	Poaceae	*Oplismenus aemulus*						•
	Poaceae	*Oplismenus imbecillis*	•		•			
	Poaceae	*Paspalidium aversum*			•			
	Poaceae	*Poa affinis*						•
	Poaceae	*Themeda australis*	•	•	•		•	•
	Smilacaceae	*Smilax glyciphylla*	•	•	•			•
	Uvulariaceae	*Schelhammera undulata*			•			
	Xanthorrhoeaceae	*Xanthorrhoea arborea*			•		•	•
	Xanthorrhoeaceae	*Xanthorrhoea media ssp. media*	•		•			

5.6.2 Aboriginal Archaeological Site Information

Northbridge Group				
AHO#	**AHIMS#**	**Site Type**	**Site Type 2**	**Site Type 3**
WILL-003	45-6-0188	Midden		
WILL-004	45-6-0244	Shelter Midden		
WILL-011	45-6-0487	Shelter Midden		
WILL-015	45-6-0644	Shelter Art		
WILL-017	45-6-0654	Shelter Art	Shelter Midden	Burial
WILL-018	45-6-0097	Midden		
WILL-022	45-6-0992	Shelter Midden		
WILL-023	45-6-1887	Shelter Midden		
WILL-025	45-6-0996	Shelter Art	Shelter Midden	
WILL-026	45-6-0997	Shelter Midden		
WILL-027	45-6-1000	Midden		
WILL-028	45-6-1001	Shelter Midden		
WILL-030	45-6-1121	Shelter Midden		
WILL-055	45-6-2111	Shelter Art		
WILL-056	45-6-2122	Shelter Midden		
WILL-080	45-6-0195	Midden		
WILL-081	45-6-0271	Engraving		
WILL-082	45-6-0293	Midden		
WILL-086	45-6-0998	Shelter Midden		
WILL-087	45-6-0999	Midden		
WILL-096	45-6-1120	Shelter Midden		
WILL-113	45-6-2222	Shelter Midden		
WILL-153	45-6-2725	Fish Trap		
WILL-166	45-6-new	Engraving		
WILL-169	45-6-3011	Midden		
WILL-170	45-6-3012	Shelter Midden		

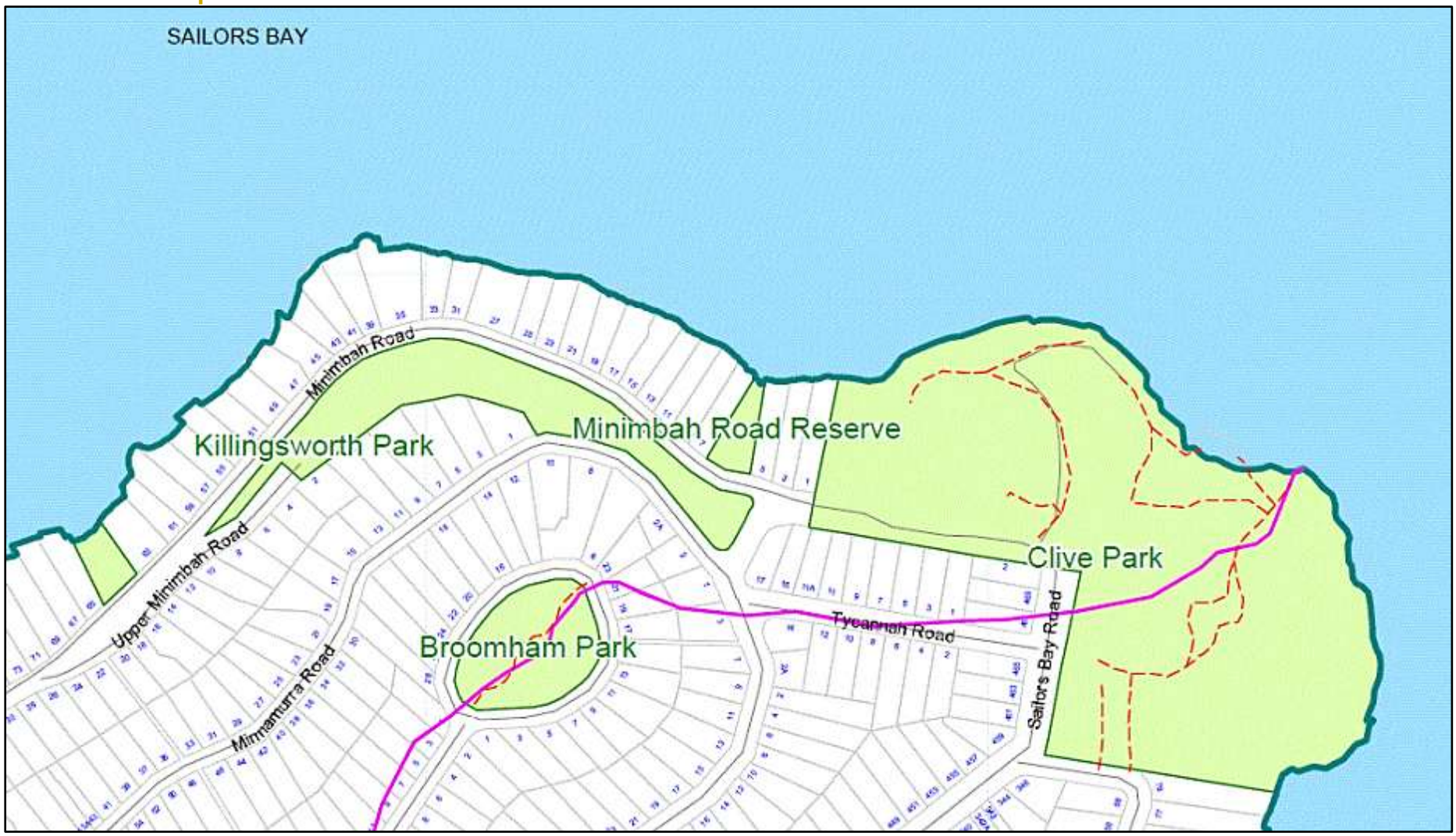
5.6.3 Reserve Assets

Reserve Name	Asset Type	Asset Description	Material Description	Quantity	Comments
Broomham Park	Sign	General	Metal		Bushcare - The Knoll
Broomham Park	Sign	Name	Timber/Metal		Broomham Park
Clive Park	BBQ	Electric Double Plate	Concrete		
Clive Park	Bench	N/A	Concrete/Timber		Concrete frame painted rails
Clive Park	Bench	No concrete base	Natural Log		Slab on rock
Clive Park	Bench	No concrete base	Other		Block sandstone seat
Clive Park	Bench	No concrete base	Timber		Slab platform
Clive Park	Bench	No concrete base	Timber		Slab back arms
Clive Park	Bench	No concrete base	Timber		Slab
Clive Park	Bench	No concrete base	Timber		Seat back arms
Clive Park	Bench	No concrete base	Timber		Slab on stump posts
Clive Park	Bench	No concrete base	Timber	2	Slab with back
Clive Park	Bench	No concrete base	Timber/Metal	2	Timber bench with back on metal pole frame
Clive Park	Bin	N/A	Concrete		Concrete aggregate bin
Clive Park	Bin	N/A	No edging	4	Bin and stand
Clive Park	Bin	N/A	Plastic		Bin
Clive Park	Bubbler	N/A	Metal		Bubbler and water main
Clive Park	Fence	Other	Metal	2	Swing arm gate
Clive Park	Other	N/A	N/A		Toilet block
Clive Park	Picnic Setting	Concrete base	Concrete	2	Moulded oval table
Clive Park	Picnic Setting	Concrete base	Concrete	2	Moulded
Clive Park	Picnic Setting	No concrete base	Natural Log		Slab
Clive Park	Picnic Setting	No concrete base	Timber		Slab
Clive Park	Plaque	Name	N/A		Baths - Rotary
Clive Park	Plaque	Other	N/A		Plaque
Clive Park	Plaque	Other	N/A	7	On bench

Clive Park	Sign	Regulatory	Metal		
Clive Park	Sign	General	Metal		Bushcare
Clive Park	Sign	Name	Timber	2	Clive Park
Clive Park	Sign	Name	Timber		Clive Park - old green municipality sign
Clive Park	Sign	Name	Timber/Metal		Clive Park
Forsyth Park	BBQ	Concrete base	Metal		Hinged metal plate
Forsyth Park	Bench	General	Metal		Parking recreational fishing signs
Forsyth Park	Bench	No concrete base	Timber		Railway sleepers low table 1.2 x 0.9m
Forsyth Park	Bench	No concrete base	Timber/Metal	2	Timber rail on metal tube bench with back
Forsyth Park	Bin	N/A	Plastic		Bin chained to rail
Forsyth Park	Fence	Bollard	Treated Pine		Posts x3
Forsyth Park	Fence	Bollard	Treated Pine		Rounds
Forsyth Park	Fence	General Fencing	Aris Rail		Aris rail and post
Forsyth Park	Fence	General Fencing	Aris Rail		Painted
Forsyth Park	Fence	General Fencing	Chain Mesh		Metal posts
Forsyth Park	Fence	General Fencing	Metal		Chain mesh then rail
Forsyth Park	Fence	General Fencing	Metal		Two rails
Forsyth Park	Fence	General Fencing	Metal		Metal pipe hand rail
Forsyth Park	Fence	General Fencing	Treated Pine	2	Single rail
Forsyth Park	Fence	Retaining Wall	Other	2	Sandstone block
Forsyth Park	Fence	Retaining Wall	Other		Rip rap boulder retaining wall
Forsyth Park	Lighting	N/A	N/A	2	Street light
Forsyth Park	Sign	General	Metal		No parking
Forsyth Park	Sign	General	Metal		No Dumping
Forsyth Park	Sign	General	Timber/Metal		Angle parking only
Forsyth Park	Sign	General Fencing	Metal	2	Northbridge Baths parking area 4p
Forsyth Park	Sign	Name	Timber/Metal		Forsyth Park
Forsyth Park	Sign	Name	Timber/Metal		Northbridge Baths
Killingsworth Park	Bench	No concrete base	Timber/Metal		Timber rail and metal pole frame with back

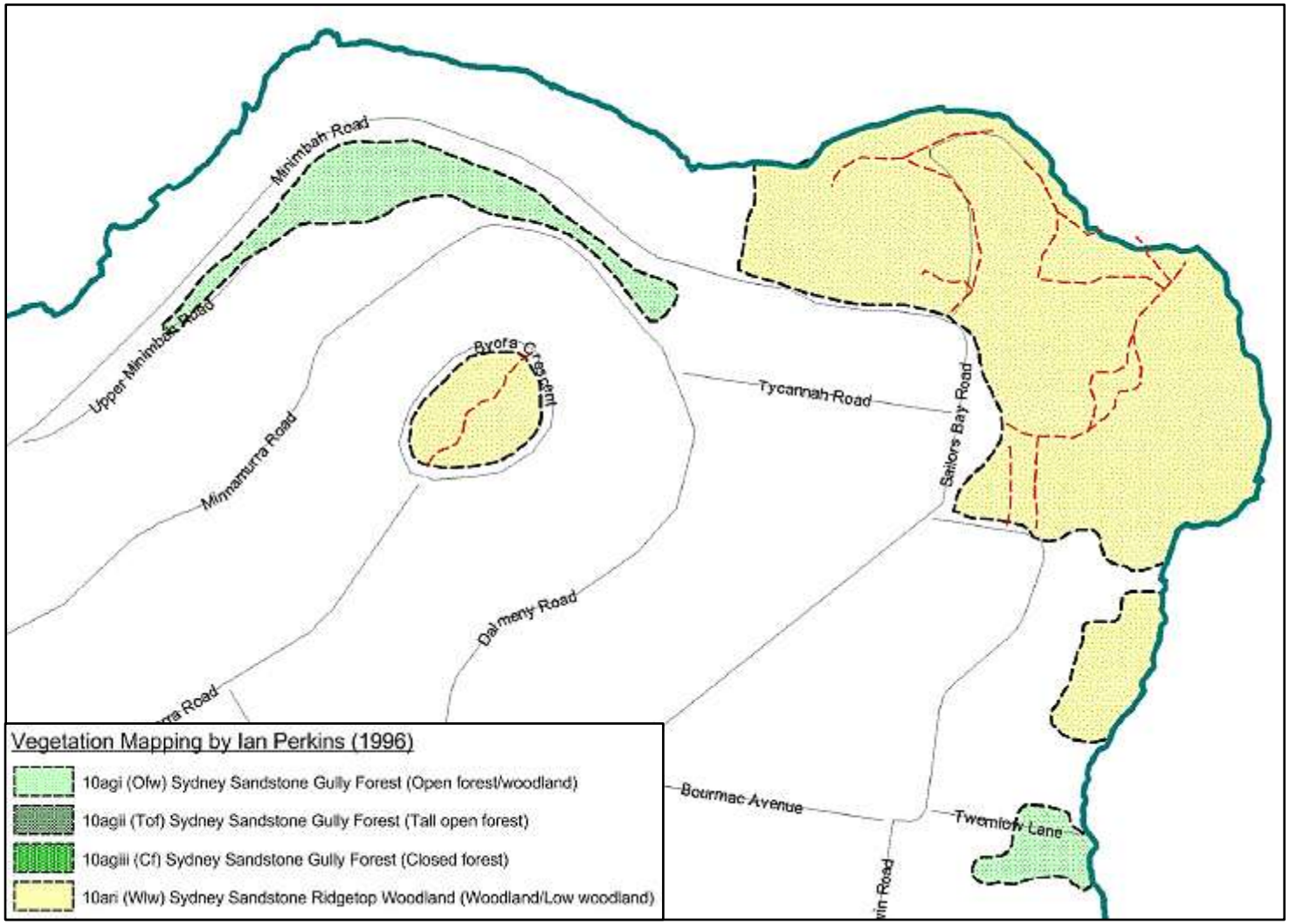
Killingsworth Park	Fence	Bollard	Couch		Treated pine log bollards
Killingsworth Park	Fence	Retaining Wall	Other		Sandstone dry stone variable height

5.6.4 Maps

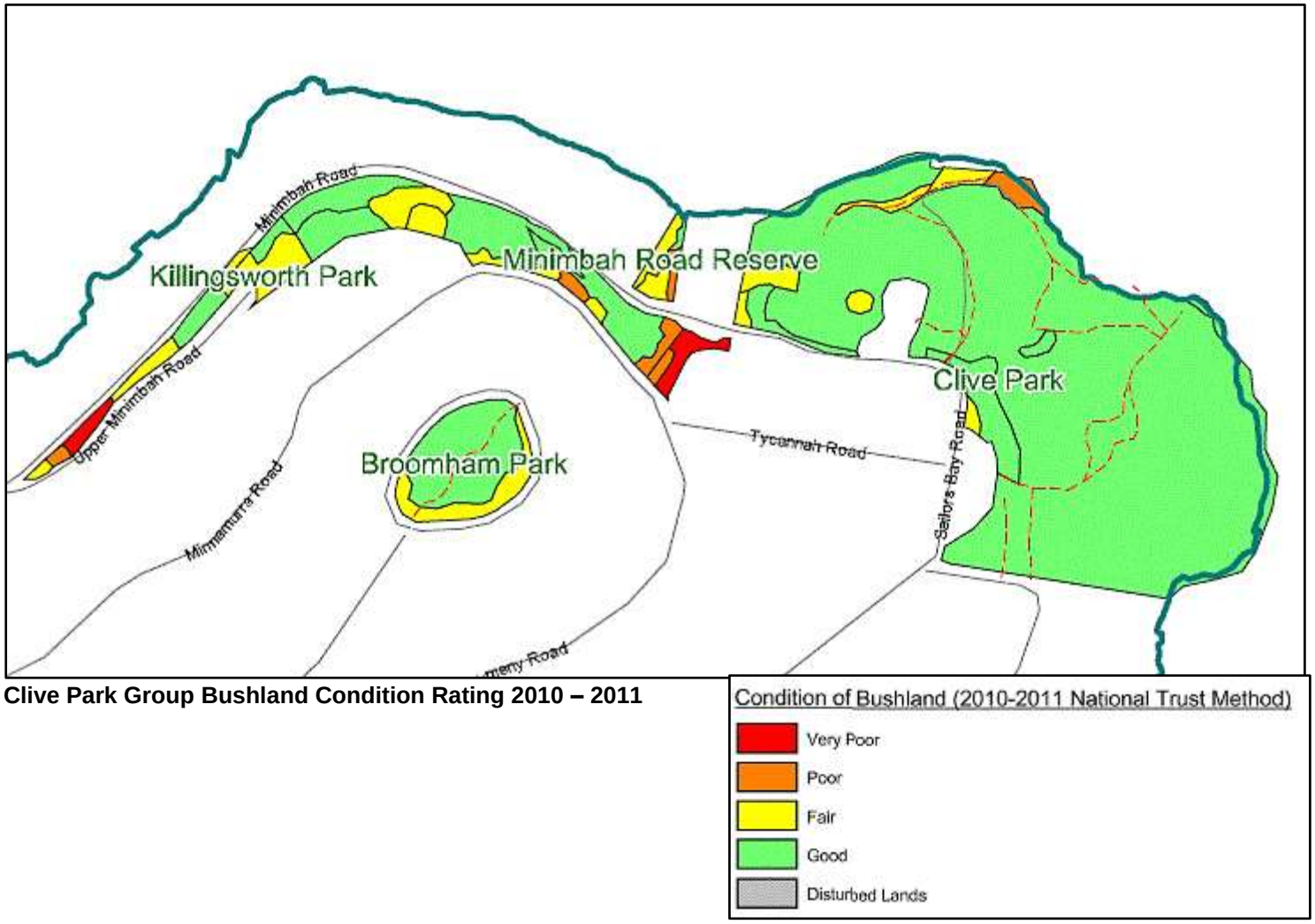


Clive Park Group Outline

Clive Park Group Outline Aerial



Clive Park Group Native Vegetation Communities



Clive Park Group Bushland Condition Rating 2010 – 2011

5.7 Coolaroo Reserve

Coolaroo Reserve is a long linear 2.7 hectare bushland reserve with the western half located in Chatswood and the eastern half in Lane Cove North. Coolaroo Reserve is located within the Lane Cove River catchment area.

5.7.1 Native Plant Species List

Coolaroo Reserve			National Trust 1980 (west of Greville)	National Trust 1980 (east of Greville)
	Family	**Genus-species**		
DICOTS	Apiaceae	*Xanthosia pilosa*	•	
	Bignoniaceae	*Pandorea pandorana*	•	
	Casuarinaceae	*Allocasuarina littoralis*	•	•
	Cunoniaceae	*Callicoma serratifolia*		•
	Cunoniaceae	*Schizomeria ovata*	•	
	Dilleniaceae	*Hibbertia dentata*	•	
	Elaeocarpaceae	*Elaeocarpus reticulatus*	•	•
	Ericaceae Styphelioideae	*Leucopogon juniperinus*		•
	Euphorbiaceae	*Omalanthus populifolius*	•	•
	Fabaceae Faboideae	*Glycine clandestina*	•	
	Fabaceae Faboideae	*Hardenbergia violacea*		•
	Fabaceae Faboideae	*Kennedia rubicunda*	•	
	Fabaceae Faboideae	*Pultenaea flexilis*	•	•
	Fabaceae-Mimosoideae	*Acacia linifolia*	•	

	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*	•	
	Fabaceae-Mimosoideae	*Acacia suaveolens*	•	
	Lamiaceae	*Plectranthus parvifolius*		•
	Myrsinaceae	*Myrsine (Rapanea) variabilis*		•
	Myrtaceae	*Angophora costata*	•	•
	Myrtaceae	*Corymbia gummifera*		•
	Myrtaceae	*Eucalyptus globoidea*		•
	Myrtaceae	*Eucalyptus pilularis*	•	
	Myrtaceae	*Eucalyptus piperita*	•	•
	Myrtaceae	*Eucalyptus saligna*		•
	Myrtaceae	*Leptospermum polygalifolium*	•	
	Myrtaceae	*Syncarpia glomulifera*	•	•
	Oxalidaceae	*Oxalis corniculata*	•	
	Pittosporaceae	*Pittosporum undulatum*	•	•
	Proteaceae	*Grevillea linearifolia*	•	
	Proteaceae	*Lomatia silaifolia*		•
	Proteaceae	*Persoonia pinifolia*	•	
	Ranunculaceae	*Clematis aristata*	•	
	Rutaceae	*Zieria smithii*	•	
	Sapindaceae	*Dodonaea triquetra*	•	•
	Verbenaceae	*Clerodendrum tomentosum*		•
MONOCOTS	Commelinaceae	*Commelina cyanea*	•	•
	Lomandraceae	*Lomandra longifolia*	•	•
	Luzuriagaceae	*Eustrephus latifolius*		•
	Phormiaceae	*Dianella caerulea var caerulea*	•	
	Poaceae	*Oplismenus imbecillis*	•	
	Smilacaceae	*Smilax glyciphylla*	•	•
	Uvulariaceae	*Schelhammera undulata*	•	•

5.7.2 Aboriginal Archaeological Site Information

There are no recorded Aboriginal archaeological sites in Coolaroo Reserve.

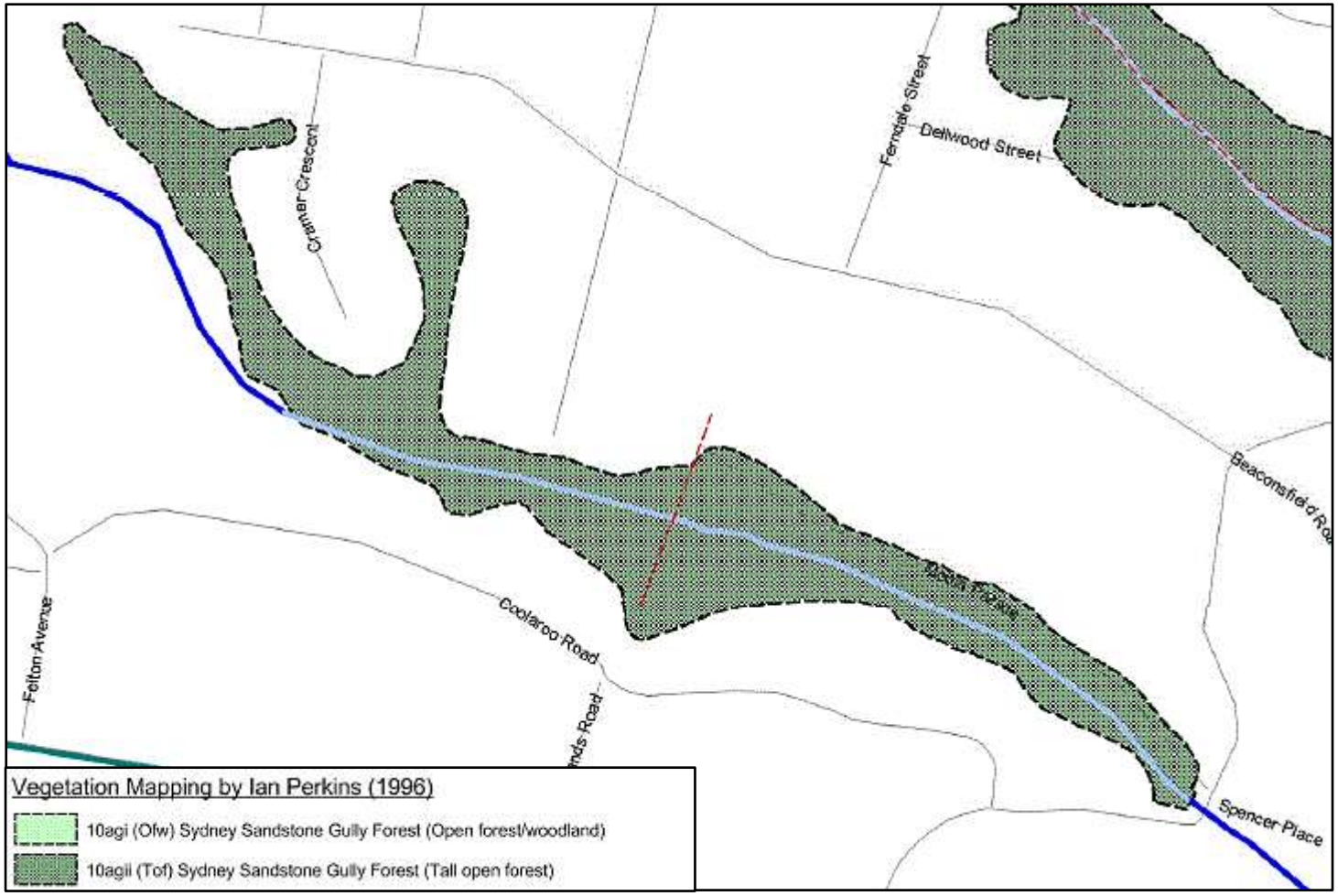
5.7.3 Reserve Assets

Reserve Name	Asset Type	Asset Description	Material Description	Quantity	Comments
Coolaroo Reserve	Bench	No concrete base	Natural Log		Slab
Coolaroo Reserve	Bench	No concrete base	Timber	2	Slab on sandstone
Coolaroo Reserve	Plaque	Other	N/A		On bench
Coolaroo Reserve	Sign	General	Metal		Interpretive - Coolaroo Creek
Coolaroo Reserve	Sign	General	Metal	2	No Dumping
Coolaroo Reserve	Sign	Name	Timber		Coolaroo Park

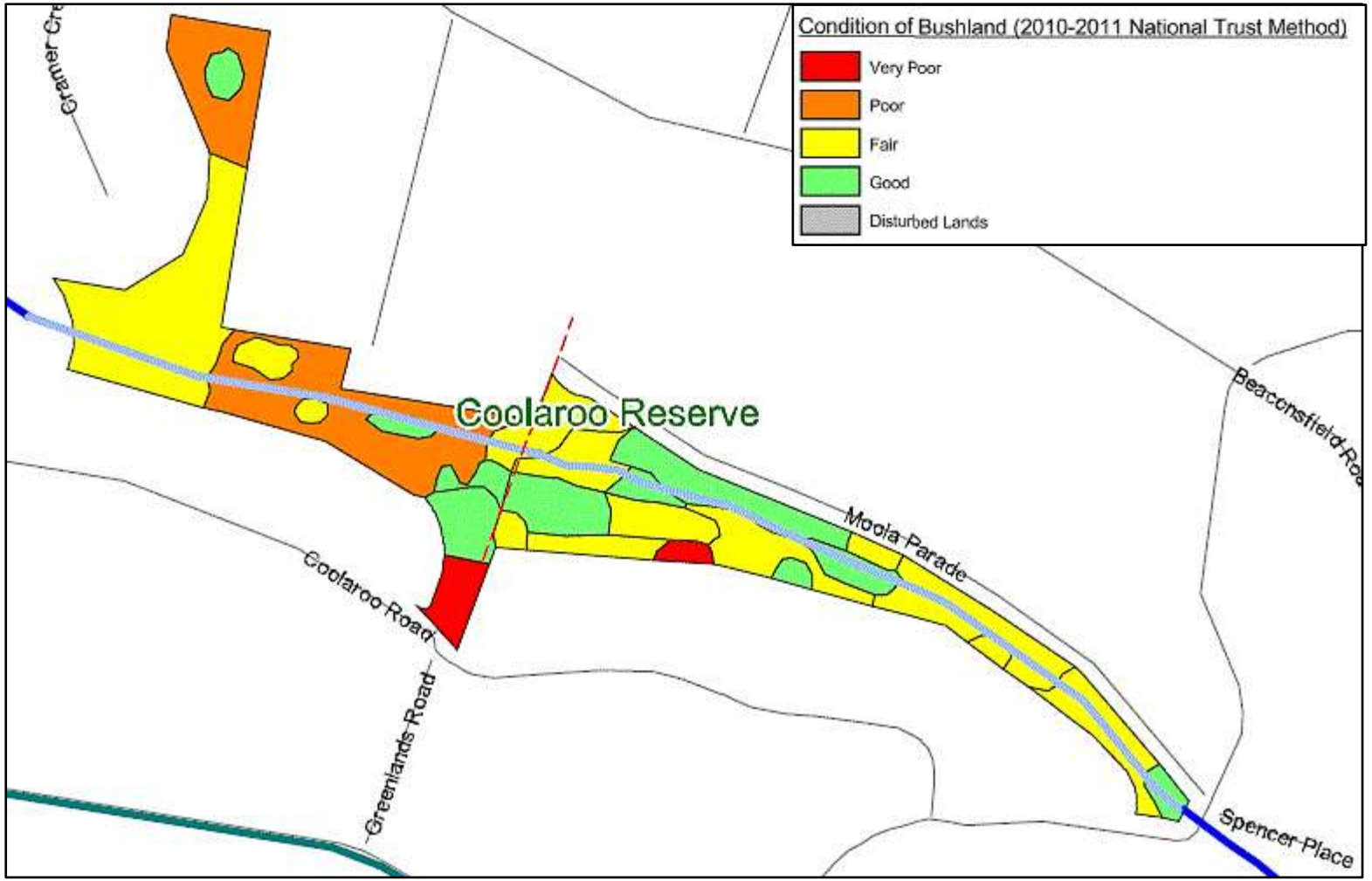
5.7.4 Maps

Coolaroo Reserve Outline

Coolaroo Reserve Outline Aerial



Coolaroo Reserve Native Vegetation Communities



Coolaroo Reserve Bushland Condition Rating 2010 – 2011

5.8 Explosives Reserve and H.C. Press Park

Explosives Reserve and H.C. Press Park are adjoining reserves that comprise of a largely intact 35 hectare area of bushland in the suburb of Castle Cove. Explosives Reserve's western border adjoins H.D. Robb as well as a small number of residential properties. H.C. Press' north-western border consists of a line of residential properties along Emerstan Drive and the south-western border adjoins North Arm Reserve, with both reserves bordering Middle Harbour. Access is via two loop tracks starting at the entrance to the Explosives section, and a bitumen road at the entrance to H.C. Press, which becomes a track through to North Arm Reserve. Explosives Reserve and H.C. Press Park are located in the Middle Harbour Watershed catchment area.

5.8.1 Native Plant Species List

Explosives and H.C. Press Reserves			G Quint 1990	G Brown (date)	Reserve Action Plan 2010
	Family	**Genus-species**			
CLUB MOSS/ QUILL WORT	Lycopodiaceae	*Lycopodiella lateralis*			•
	Selaginellaceae	*Selaginella uliginosa*	•		•
FORK FERNS	Psilotaceae	*Psilotum nudum*	•		•
CONIFERS	Cupressaceae	*Callitris rhomboidea*		•	
FERNS	Adiantaceae	*Adiantum aethiopicum*	•		•
	Blechnaceae	*Blechnum cartilagineum*	•		•
	Cyatheaceae	*Cyathea cooperi*	•		•
	Dennstaedtiaceae	*Histiopteris incisa*	•		•
	Dennstaedtiaceae	*Pteridium esculentum*	•		•
	Dicksoniaceae	*Calochlaena dubia*	•		•
	Gleicheniaceae	*Gleichenia dicarpa*	•		•
	Gleicheniaceae	*Gleichenia rupestris*	•		•

	Gleicheniaceae	*Sticherus tener*	•		•
	Lindsaeaceae	*Lindsaea linearis*	•		•
	Lindsaeaceae	*Lindsaea microphylla*	•		•
	Pteridaceae	*Cheilanthes sieberi*	•		•
DICOTS	Apiaceae	*Actinotus helianthi*	•		•
	Apiaceae	*Actinotus minor*	•		•
	Apiaceae	*Hydrocotyle peduncularis*	•		•
	Apiaceae	*Platysace linearifolia*	•		•
	Apiaceae	*Platysace lanceolata*			•
	Apiaceae	*Xanthosia pilosa*	•		•
	Apiaceae	*Xanthosia tridentata*	•		•
	Araliaceae	*Polyscias sambucifolia*	•		•
	Asteraceae	*Olearia microphylla*	•		•
	Asteraceae	*Senecio diaschides*			•
	Asteraceae	*Senecio hispidulus*			•
	Bignoniaceae	*Pandorea pandorana*	•		•
	Cassythaceae	*Cassytha glabella*			•
	Cassythaceae	*Cassytha pubescens*	•		•
	Casuarinaceae	*Allocasuarina distyla*	•		•
	Casuarinaceae	*Allocasuarina littoralis*	•		•
	Casuarinaceae	*Casuarina glauca*	•		•
	Convolvulaceae	*Dichondra repens*	•		•
	Cunoniaceae	*Bauera rubioides*	•		•
	Cunoniaceae	*Callicoma serratifolia*	•		•
	Cunoniaceae	*Ceratopetalum apetalum*			•
	Cunoniaceae	*Ceratopetalum gummiferum*	•		•
	Cunoniaceae	Schizomeria ovata			•
	Dilleniaceae	*Hibbertia aspera*			•
	Dilleniaceae	*Hibbertia fasciculata*	•		•
	Dilleniaceae	*Hibbertia linearis*	•		•
	Dilleniaceae	*Hibbertia nitida*			•
	Droseraceae	*Drosera spathulata*	•		•
	Droseraceae	*Drosera auriculata*	•		•

	Droseraceae	*Drosera peltata*			•
	Elaeocarpaceae	*Elaeocarpus reticulatus*	•		•
	Ericaceae Styphelioideae	*Epacris longiflora*	•		•
	Ericaceae Styphelioideae	*Epacris microphylla*			•
	Ericaceae Styphelioideae	*Epacris obtusifolia*			•
	Ericaceae Styphelioideae	*Epacris pulchella*	•		•
	Ericaceae Styphelioideae	*Epacris reclinata*			•
	Ericaceae Styphelioideae	*Leucopogon amplexicaulis*	•		•
	Ericaceae Styphelioideae	*Leucopogon ericoides*			•
	Ericaceae Styphelioideae	*Leucopogon microphyllus*	•		•
	Ericaceae Styphelioideae	*Leucopogon setiger*			•
	Ericaceae Styphelioideae	*Monotoca scoparia*		•	
	Ericaceae Styphelioideae	*Styphelia longifolia*	•		•
	Ericaceae Styphelioideae	*Styphelia tubiflora*	•		•
	Ericaceae Styphelioideae	*Woollsia pungens*	•		•
	Euphorbiaceae	*Glochidion ferdinandi*	•		•
	Euphorbiaceae	*Micrantheum ericoides*	•		•
	Euphorbiaceae	*Omalanthus populifolius*	•		•
	Euphorbiaceae	*Phyllanthus hirtellus (syn. P. thymoides)*	•		•
	Euphorbiaceae	*Ricinocarpos pinifolius*		•	
	Fabaceae Faboideae	*Aotus ericoides*	•		•
	Fabaceae Faboideae	*Bossiaea scolopendria*	•		•
	Fabaceae Faboideae	*Dillwynia retorta*	•		
	Fabaceae Faboideae	*Gompholobium glabratum*	•	•	
	Fabaceae Faboideae	*Hardenbergia violacea*		•	
	Fabaceae Faboideae	*Mirbelia rubiifolia*			•
	Fabaceae Faboideae	*Pultenaea daphnoides*	•		•
	Fabaceae Faboideae	*Pultenaea elliptica*	•		•
	Fabaceae Faboideae	*Pultenaea ferruginea*			•
	Fabaceae Faboideae	*Pultenaea flexilis*		•	
	Fabaceae Faboideae	*Pultenaea stipularis*	•		•
	Fabaceae-Mimosoideae	*Acacia linifolia*	•		•
	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*	•		•
	Fabaceae-Mimosoideae	*Acacia suaveolens*	•		•

	Fabaceae-Mimosoideae	*Acacia terminalis*	•		•
	Fabaceae-Mimosoideae	*Acacia ulicifolia*	•		•
	Goodeniaceae	*Dampiera stricta*	•		•
	Goodeniaceae	*Goodenia heterophylla*	•		•
	Goodeniaceae	*Selliera radicans*	•		•
	Goodeniaceae	*Velleia spathulata*		•	
	Haloragaceae	*Gonocarpus teucrioides*	•		•
	Hypericaceae	*Hypericum gramineum*	•		•
	Lamiaceae	*Hemigenia pupurea*	•		•
	Lobeliaceae	*Pratia purpurascens*	•		•
	Loganiaceae	*Mitrasacme polymorpha*	•		•
	Menispermaceae	*Stephania japonica*	•		•
	Moraceae	*Ficus rubiginosa*	•		•
	Myrsinaceae	*Myrsine (Rapanea) variabilis*	•		•
	Myrtaceae	*Angophora bakeri*	•		•
	Myrtaceae	*Angophora costata*	•		•
	Myrtaceae	*Angophora hispida*	•		•
	Myrtaceae	*Austromyrtus tenuifolia*	•		•
	Myrtaceae	*Corymbia gummifera*	•		•
	Myrtaceae	*Eucalyptus haemastoma*	•		
	Myrtaceae	*Eucalyptus piperita*	•		•
	Myrtaceae	*Eucalyptus punctata*	•		•
	Myrtaceae	*Eucalyptus recemosa*			•
	Myrtaceae	*Eucalyptus scias*			•
	Myrtaceae	*Eucalyptus sieberi*	•		•
	Myrtaceae	*Kunzea ambigua*	•		•
	Myrtaceae	*Kunzea capitata*		•	•
	Myrtaceae	*Leptospermum arachnoides*	•		•
	Myrtaceae	*Leptospermum squarrosum*	•		•
	Myrtaceae	*Leptospermum trinervium*	•		•
	Myrtaceae	*Syncarpia glomulifera*		•	
	Oleaceae	*Notelaea longifolia*	•		•
	Oleaceae	*Notelaea venosa*	•		•
	Pittosporaceae	*Billardiera scandens*	•		•

	Pittosporaceae	*Bursia spinosa*			•
	Pittosporaceae	*Pittosporum revolutum*	•		•
	Pittosporaceae	*Pittosporum undulatum*	•		•
	Proteaceae	*Banksia ericifolia*	•		•
	Proteaceae	*Banksia integrifolia*	•		•
	Proteaceae	*Banksia oblongifolia*	•		•
	Proteaceae	*Banksia robur*			•
	Proteaceae	*Banksia serrata*	•		•
	Proteaceae	*Banksia spinulosa*	•		•
	Proteaceae	*Conospermum longifolium*	•		•
	Proteaceae	*Grevillea buxifolia*	•		•
	Proteaceae	*Grevillea linearifolia*	•		•
	Proteaceae	*Grevillea sericea*	•		•
	Proteaceae	*Grevillea speciosa*	•		•
	Proteaceae	*Hakea dactyloides*	•		•
	Proteaceae	*Hakea gibbosa*	•		•
	Proteaceae	*Hakea propinqua*	•		•
	Proteaceae	*Hakea sericea*	•		•
	Proteaceae	*Hakea teretifolia*	•		•
	Proteaceae	*Isopogon anethifolius*	•		•
	Proteaceae	*Lambertia formosa*	•		•
	Proteaceae	*Lomatia silaifolia*	•		•
	Proteaceae	*Persoonia lanceolata*	•		•
	Proteaceae	*Persoonia levis*	•		•
	Proteaceae	*Persoonia pinifolia*	•		•
	Proteaceae	*Petrophile pulchella*	•		•
	Proteaceae	*Xylomelum pyriforme*		•	
	Ranunculaceae	*Clematis aristata*	•		•
	Rhamnaceae	*Pomaderris lanigera*	•		•
	Rubiaceae	*Opercularia aspera*			•
	Rubiaceae	*Pomax umbellata*	•		•
	Rutaceae	*Boronia ledifolia*	•		•
	Rutaceae	*Crowea saligna*	•		•
	Rutaceae	*Eriostemon scaber*		•	

	Rutaceae	*Phebalium squameum*	•		•
	Rutaceae	*Zieria pilosa*	•		•
	Sapindaceae	*Dodonaea triquetra*	•		•
	Scrophulariaceae	*Veronica calycina*	•		•
	Sterculiaceae	*Lasiopetalum ferrugineum var. ferrugineum*	•		•
	Sterculiaceae	*Lasiopetalum rufum*			•
	Stylidiaceae	*Stylidium productum*	•		•
	Stylidiaceae	*Stylidium lineare*	•		•
	Thymeliaceae	*Pimelea linifolia*	•		•
	Tremandraceae	*Tetratheca ericifolia*	•		•
	Verbenaceae	*Avicennia marina var. australasica*	•		•
	Violaceae	*Hybanthus vernonii*			•
	Violaceae	*Viola hederacea*	•		•
MONOCOTS	Anthericaceae	*Caesia parviflora*			•
	Blandfordiaceae	*Blandfordia nobilis*		•	
	Colchicaceae	*Burchardia umbellata*		•	
	Cyperaceae	*Caustis flexuosa*	•		•
	Cyperaceae	*Caustis pentandra*	•		•
	Cyperaceae	*Fimbristylis dichotoma*			•
	Cyperaceae	*Gahnia spp.*		•	
	Cyperaceae	*Lepidosperma lineare*	•		•
	Cyperaceae	*Schoenus melanostachys*	•		•
	Cyperaceae	*Schoenus paludosus*			•
	Cyperaceae	*Schoenus turbinatus*	•		•
	Iridaceae	*Patersonia glabrata*	•		•
	Iridaceae	*Patersonia sericea*	•		•
	Juncaceae	*Juncus kraussii var australiensis*	•		•
	Juncaceae	*Juncus pallidus*	•		•
	Juncaginaceae	*Triglochin striata*	•		•
	Lomandraceae	*Lomandra glauca*	•		•
	Lomandraceae	*Lomandra gracilis*	•		•
	Lomandraceae	*Lomandra longifolia*	•		•
	Lomandraceae	*Lomandra obliqua*		•	

	Luzuriagaceae	*Eustrephus latifolius*	•		•
	Orchidaceae	*Acianthus exsertus*			•
	Orchidaceae	*Acianthus fornicatus*			•
	Orchidaceae	*Caladenia carnea*			•
	Orchidaceae	*Caladenia catenata*			•
	Orchidaceae	*Calochilus paludosus*		•	
	Orchidaceae	*Corybas*			•
	Orchidaceae	*Cryptostylis erecta*	•		•
	Orchidaceae	*Cryptostylis subulata*		•	
	Orchidaceae	*Dendrobium linguiforme*	•		•
	Orchidaceae	*Dendrobium speciosum*			•
	Orchidaceae	*Dipodium punctatum*		•	•
	Orchidaceae	*Thelymitra nuda*		•	
	Phormiaceae	*Dianella caerulea var caerulea*	•		•
	Phormiaceae	*Dianella revoluta*	•		•
	Poaceae	*Anisopogon avenaceus*	•		•
	Poaceae	*Aristida vagans*	•		•
	Poaceae	*Entolasia marginata*	•		•
	Poaceae	*Eragrostis trachycarpa*	•		•
	Poaceae	*Hemarthria unicinata*			•
	Poaceae	*Imperata cylindrica*	•		•
	Poaceae	*Microlaena stipoides*			•
	Poaceae	*Oplismenus imbecillis*			•
	Poaceae	*Panicum effusum*			•
	Poaceae	*Paspalidium aversum*			•
	Poaceae	*Paspalidium distans*			•
	Poaceae	*Poa affinis*	•		•
	Poaceae	*Themeda australis*	•		•
	Restionaceae	*Lepyrodia scariosa*	•		
	Smilacaceae	*Smilax glyciphylla*	•		
	Xanthorrhoeaceae	*Xanthorrhoea arborea*	•		
	Xanthorrhoeaceae	*Xanthorrhoea media ssp. media*	•		

5.8.2 Aboriginal Archaeological Site Information

Explosives Reserve connects with H.D. Robb Reserve with the lower sections a continuation of the same topography and geology. Similar to H.D. Robb this reserve also contains a high number of Aboriginal cultural sites.

Explosives Reserve				
AHO#	**AHIMS#**	**Site Type**	**Site Type 2**	**Site Type 3**
WILL-001	45-6-0087	Midden		
WILL-005	45-6-0281	Midden		
WILL-006	45-6-0291	Midden		
WILL-007	45-6-0404	Midden		
WILL-008	45-6-0413	Shelter Midden		
WILL-009	45-6-0464	Midden		
WILL-010	45-6-0469	Shelter Midden		
WILL-012	45-6-new	Midden		
WILL-019	45-6-0099	Midden		
WILL-029	45-6-1018	Midden		
WILL-043	45-6-1784	Shelter Art	Shelter Midden	Burial
WILL-054	45-6-2094	Midden		
WILL-059	45-6-2144	Shelter Art	Shelter Midden	Burial
WILL-074	45-6-2394	Shelter Midden		
WILL-075	45-6-2395	Shelter Midden		
WILL-079	45-6-0108	Shelter Midden		
WILL-083	45-6-0426	Shelter Midden		
WILL-084	45-6-0467	Midden		
WILL-089	45-6-1016	Shelter Midden		
WILL-090	45-6-1017	Shelter Midden		
WILL-091	45-6-1019	Shelter Midden		
WILL-092	45-6-1020	Midden		
WILL-093	45-6-1021	Shelter Midden		
WILL-111	45-6-2095	Shelter Midden		
WILL-155	45-6-2727	Shelter Midden		
WILL-190	45-6-new	Shelter PAD		

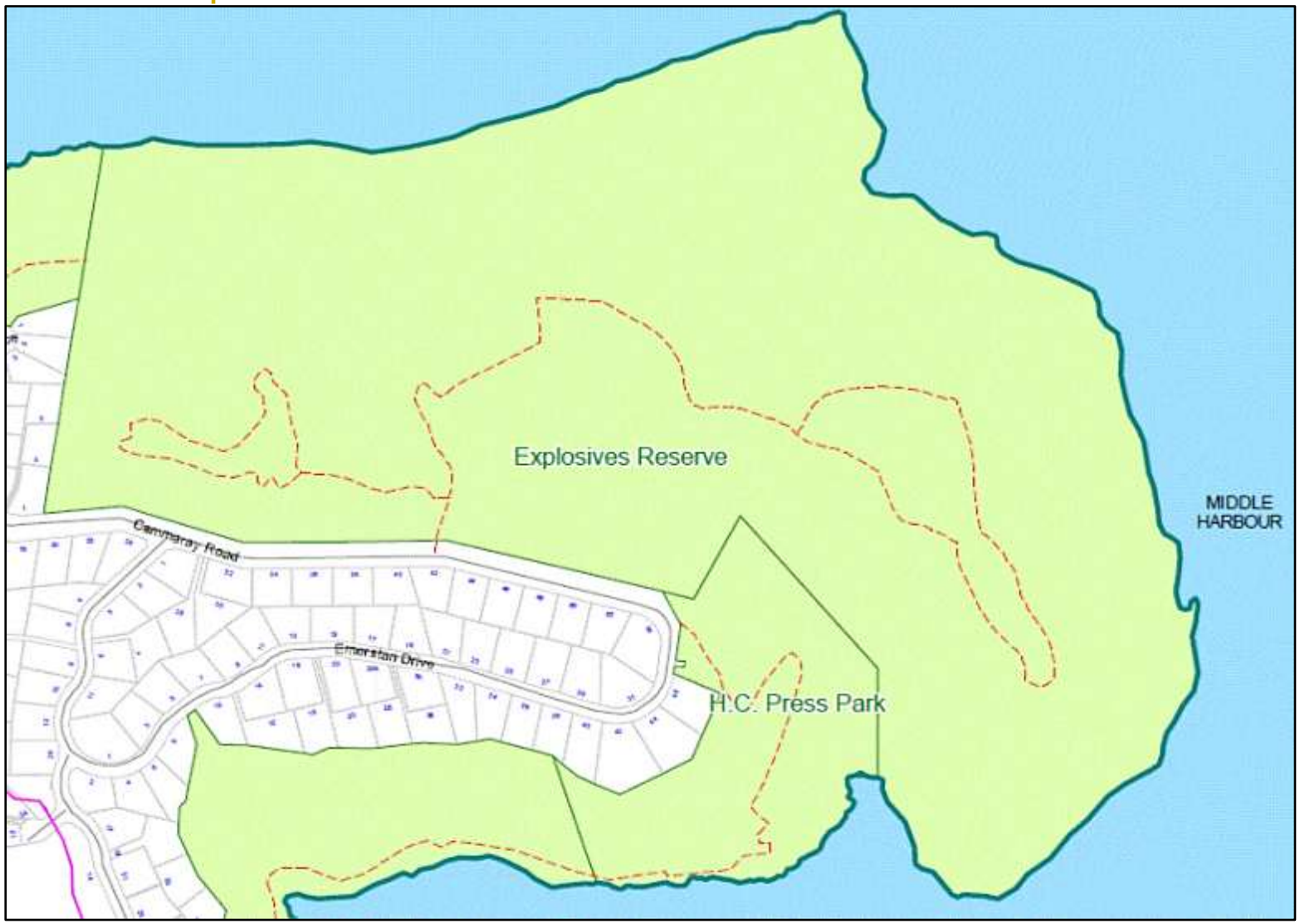
5.8.3 Reserve Assets

Reserve Name	Asset Type	Asset Description	Material Description	Quantity	Comments
Explosives Reserve	Bench	No concrete base	Timber		Slab with back and arms
Explosives Reserve	Bin	No concrete base	Plastic		Stand and mirror signpost
Explosives Reserve	Fence	Bollard	Timber		Hardwood with collar
Explosives Reserve	Fence	Bollard	Treated Pine		White rounds
Explosives Reserve	Fence	Other	Metal		Swing arm gate
Explosives Reserve	Sign	General	Metal		Total Fire Ban and padlock
Explosives Reserve	Sign	General	Timber		Wildlife Protection Area on slab
Explosives Reserve	Sign	Name	Timber		Routed
Explosives Reserve	Sign	Name	Timber/Metal		Explosives Reserve
Explosives Reserve	Sign	Regulatory	Metal		Triangular
H.C. Press Park	Bench	No concrete base	Timber		Bench with back and arms
H.C. Press Park	Bench	No concrete base	Timber		Slab
H.C. Press Park	Bench	No concrete base	Timber/Metal		Alloy frame
H.C. Press Park	Other	Other	Metal		Curved mirror
H.C. Press Park	Sign	General	Metal		Interpretive - Picnic Grounds
H.C. Press Park	Sign	General	Metal		Total Fire Ban
H.C. Press Park	Sign	General	Metal		Wildlife Protection Area
H.C. Press Park	Sign	Name	Timber/Metal		Two Posts
H.C. Press Park	Sign	Regulatory	Metal		Triangular

5.8.4 Heritage Listed Items

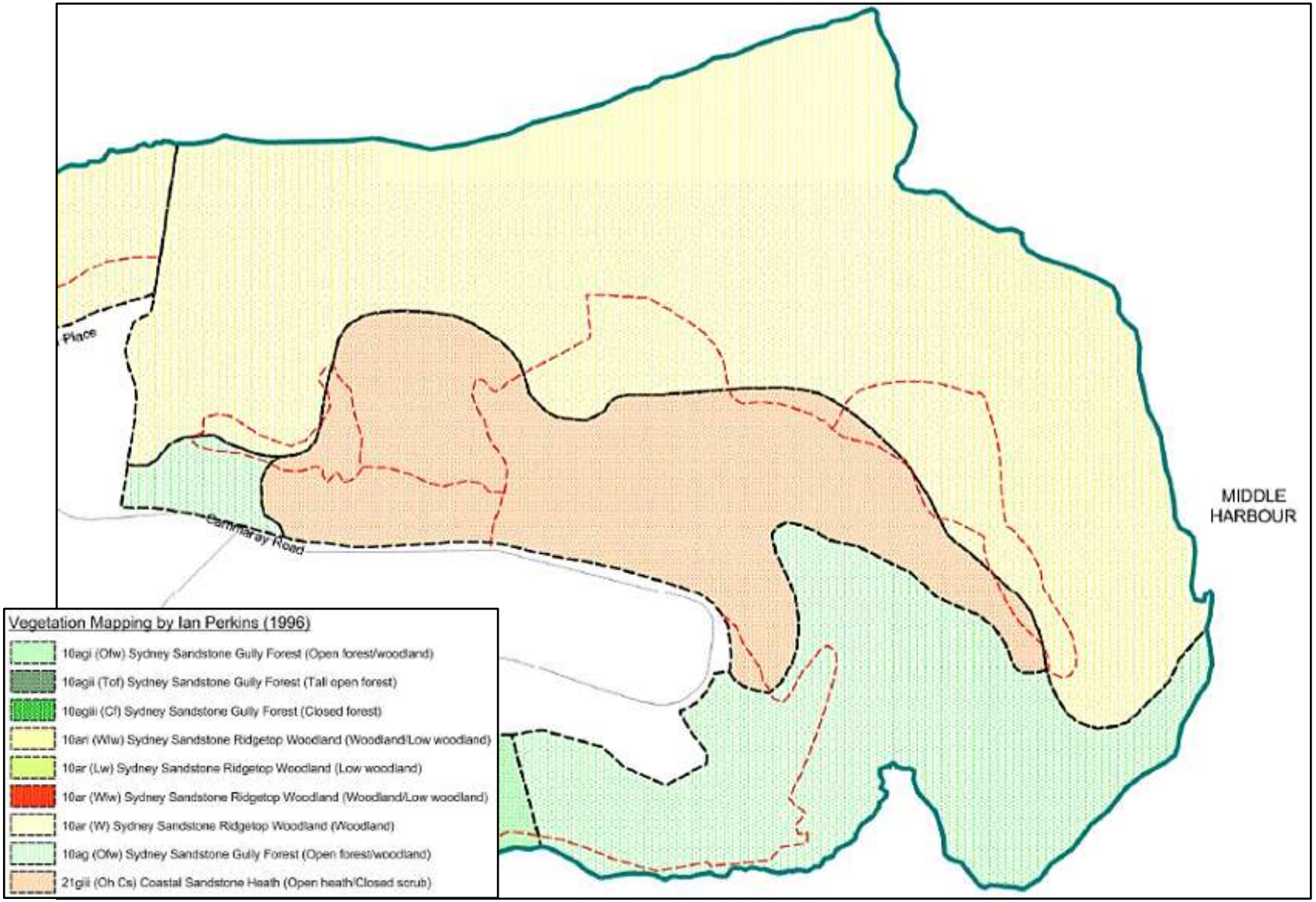
Reserve	Item	Heritage Listing	Address
H.C. Press Park	Remains of H.C. Press Picnic Ground and Baths	Regional Environmental Plan	Cammeray Road, Castle Cove

5.8.5 Maps

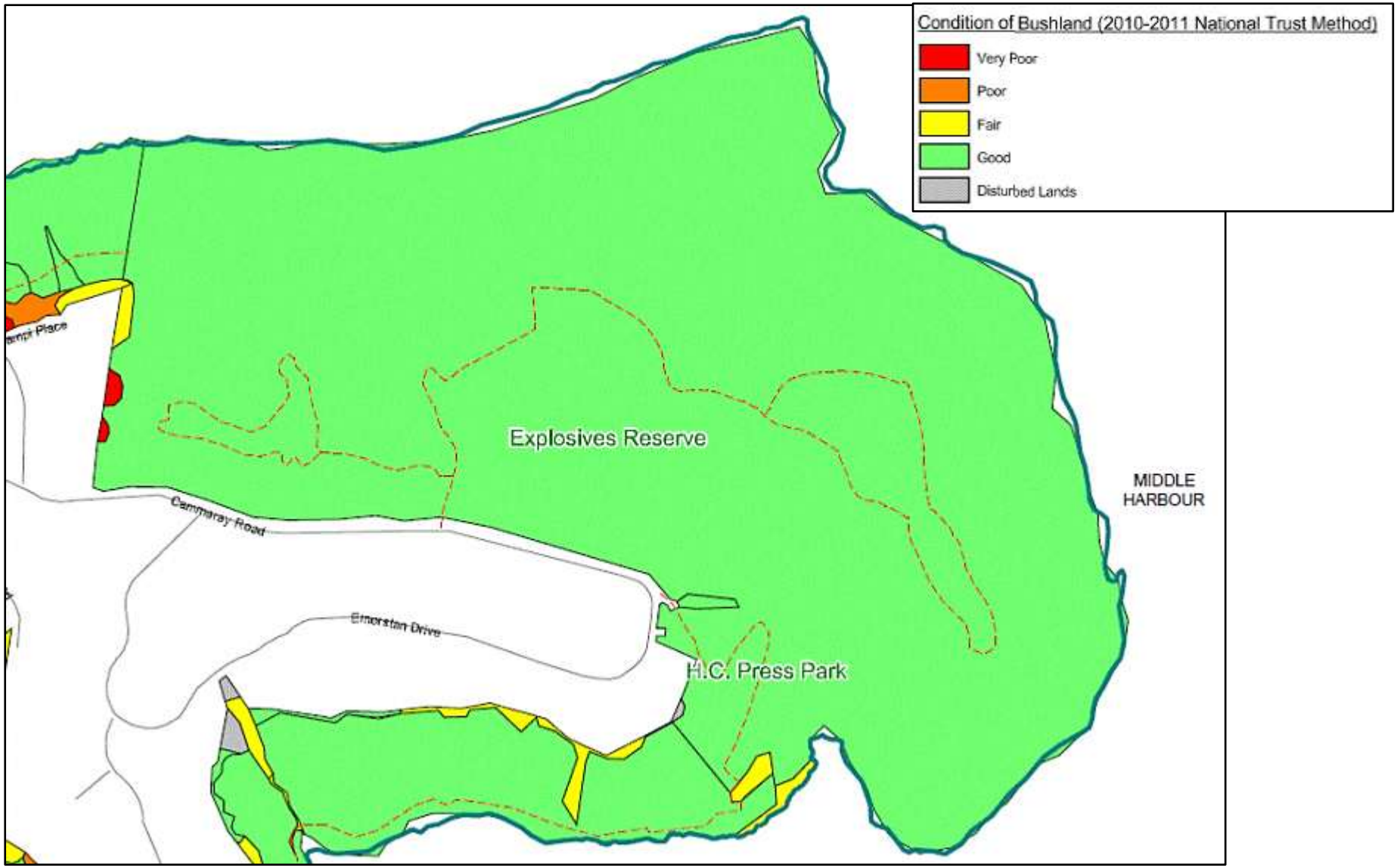


Explosives Reserve Group Outline

Explosives Reserve Group Outline Aerial



Explosives Reserve Group Native Vegetation Communities



Explosives Reserve Group Bushland Condition Rating 2010 – 2011

5.9 Ferndale Park Group

Ferndale Park is a 9.8 hectare stretch of remnant bushland located in Chatswood. It is narrow, so that anywhere within the reserve is less than 150 metres away from a dwelling. It is bounded by Dalrymple Avenue to the east and Chatswood Golf Course to the west. The rest of the reserve is bounded by private property. Swaines Creek runs through the centre of the park with many stormwater drains feeding into it. A major sewer line has been laid down the centre of the gully which is evident by the series of sewer overflow points found in the creek line. Water flows from Ferndale Park through to Chatswood Golf Course before draining into the Lane Cove River.
Ferndale Park is located in the Lane Cove River catchment area.

5.9.1 Native Plant Species List

Ferndale Park Group			**Ferndale Park**						**Campbell Park**		**Park Ave Area**	
			National Trust 1980	G Quint 1989-90	K Heatley 1991	S Fisher 1989	UBM 1994 (* additions by Chris Melrose	Reserve Action Plan 2011	G Brown 1991 (E = endemic P= planted)	National Trust 1980	National Trust 1980 Res area west Park Ave	National Trust 1980 Park Ave Ad to tennis court
	Family	**Genus-species**										
FORK FERNS	Psilotaceae	*Psilotum nudum*					•	•				
CONIFERS	Podocarpaceae	*Podocarpus spinulosus*		•		•	•	•				
FERNS	Adiantaceae	*Adiantum aethiopicum*		•			•	•	•			
	Adiantaceae	*Adiantum formosum*						•				
	Adiantaceae	*Adiantum hispidulum*					•*		•			
	Aspleniaceae	*Asplenium australasicum*		•			•	•				
	Aspleniaceae	*Asplenium flabellifolium*		•			•	•				
	Blechnaceae	*Blechnum ambiguum*						•				

	Blechnaceae	*Blechnum cartilagineum*		•		•	•	•	•			
	Blechnaceae	*Doodia caudata*		•			•	•				
	Blechnaceae	*Doodia media*		•			•	•				
	Cyatheaceae	*Cyathea australis*		•			•	•	•			
	Cyatheaceae	*Cyathea cooperi*						•				
	Dennstaedtiaceae	*Histiopteris incisa*						•				
	Dennstaedtiaceae	*Pteridium esculentum*		•			•	•				
	Dicksoniaceae	*Calochlaena dubia*		•		•	•	•	•			
	Gleicheniaceae	*Gleichenia dicarpa*						•				
	Hymenophyllaceae	*Hymenophyllum cupressiforme*		•			•*	•				
	Lindsaeaceae	*Lindsaea linearis*		•			•	•				
	Lindsaeaceae	*Lindsaea microphylla*						•				
	Polypodiaceae	*Platycerium bifurcatum*		•			•	•				
	Polypodiaceae	*Pyrrosia rupestris*		•			•	•				
	Pteridaceae	*Cheilanthes austrotenuifolia*			•							
	Pteridaceae	*Cheilanthes sieberi*					•					
	Schizaeaceae	*Schizaea bifida*						•				
	Thelypteridaceae	*Christella dentata*		•				•				
DICOTS	Acanthaceae	*Pseuderanthemum variabile*		•			•	•	•			
	Amaranthaceae	*Alternanthera denticulata*						•	•			
	Apiaceae	*Actinotus helianthi*						•				
	Apiaceae	*Actinotus minor*						•				
	Apiaceae	*Centella asiatica*	•					•	•			
	Apiaceae	*Hydrocotyle peduncularis*						•				
	Apiaceae	*Platysace lanceolata*	•	•			•	•				
	Apiaceae	*Platysace linearifolia*		•			•	•				
	Apiaceae	*Platysace stephensonii 3RC*						•				
	Apiaceae	*Xanthosia pilosa*		•		•	•	•				
	Apiaceae	*Xanthosia tridentata*		•			•	•				
	Apocynaceae	*Parsonsia straminea*						•				
	Araliaceae	*Astroticha latifolia*						•				
	Araliaceae	*Astrotricha floccosa*		•		•	•	•				
	Araliaceae	*Astrotricha longifolia*						•				

	Araliaceae	*Polyscias sambucifolia*	•	•		•	•	•				
	Asclepiadaceae	*Marsdenia suaveolens*			•		•	•	•			
	Asclepiadaceae	*Tylophora barbata*		•			•	•				
	Asteraceae	*Cassinia aculeata*						•				
	Asteraceae	*Cassinia denticulata*						•				
	Asteraceae	*Cotula australis*					•	•				
	Asteraceae	*Helichrysun elatum*						•				
	Asteraceae	*Lagenifera stipitata*						•				
	Asteraceae	*Olearia microphylla*		•			•	•				
	Asteraceae	*Ozothamnus diosmifolium*		•		•	•	•				
	Asteraceae	*Senecio hispidulus*						•				
	Asteraceae	*Sigesbeckia orientalis*						•				
	Bignoniaceae	*Pandorea pandorana*	•	•			•	•	•			
	Campanulaceae	*Wahlenbergia communis*						•				
	Campanulaceae	*Wahlenbergia gracilis*					•*	•				
	Campanulaceae	*Wahlenbergia stricta*						•				
	Cassythaceae	*Cassytha glabella*						•				
	Cassythaceae	*cassytha paniculata*						•				
	Cassythaceae	*Cassytha pubescens*						•				
	Casuarinaceae	*Allocasuarina distyla*						•				
	Casuarinaceae	*Allocasuarina littoralis*	•	•		•	•	•	• P			
	Casuarinaceae	*Allocasuarina littoralis x distyla*						•				
	Casuarinaceae	*Allocasuarina torulosa*	•					•			•	
	Casuarinaceae	*Casuarina glauca*						•				
	Celastraceae	*Maytenus silvestris*				•	•	•				
	Chenopodiaceae	*Atriplex australasica*						•				
	Chenopodiaceae	*Sacocornia quinqueflora*						•				
	Convolvulaceae	*Calystegia marginata*						•				
	Convolvulaceae	*Dichondra repens*						•	•			
	Convolvulaceae	*Polymeria calycina*						•				
	Crassulaceae	*Crassula sieberiana*						•				
	Cunoniaceae	*Bauera rubioides*	•	•			•	•	• P			
	Cunoniaceae	*Callicoma serratifolia*	•	•		•	•	•	• P			
	Cunoniaceae	*Ceratopetalum apetalum*	•	•		•	•	•				

	Cunoniaceae	*Ceratopetalum gummiferum*	•	•		•	•	•				
	Cunoniaceae	*Schizomeria ovata*						•				
	Dilleniaceae	*Hibbertia dentata*		•		•	•	•	•			
	Dilleniaceae	*Hibbertia empetrifolia*		•		•	•	•				
	Dilleniaceae	*Hibbertia linearis*		•		•	•	•				
	Dilleniaceae	*Hibbertia obtusifolia*						•				
	Dilleniaceae	*Hibbertia scandens*						•				
	Droseraceae	*Drosera auriculata*			•		•	•				
	Elaeocarpaceae	*Elaeocarpus reticulatus*		•		•	•	•	• P			
	Ericaceae Styphelioideae	*Astroloma humifusum*				•	•*	•				
	Ericaceae Styphelioideae	*Epacris pulchella*		•			•	•				
	Ericaceae Styphelioideae	*Leucopogon ericoides*						•				
	Ericaceae Styphelioideae	*Leucopogon juniperinus*	•	•		•	•	•				
	Ericaceae Styphelioideae	*Leucopogon lanceolatus*	•					•				
	Ericaceae Styphelioideae	*Leucopogon setiger*						•				
	Ericaceae Styphelioideae	*Monotoca scoparia*	•					•				
	Ericaceae Styphelioideae	*Trochocarpa laurina*	•	•			•	•				
	Euphorbiaceae	*Breynia oblongifolia*	•					•	•			
	Euphorbiaceae	*Glochidion ferdinandi*	•	•		•	•	•	• P			
	Euphorbiaceae	*Micrantheum ericoides*	•	•		•	•	•				
	Euphorbiaceae	*Omalanthus populifolius*	•	•		•	•	•	•			
	Euphorbiaceae	*Phyllanthus hirtellus (syn. P. thymoides)*		•		•	•	•				
	Eupomatiaceae	*Eupomatia laurina*					•	•				
	Fabaceae Faboideae	*Bossiaea heterophylla*					•	•				
	Fabaceae Faboideae	*Bossiaea obcordata*		•			•	•				
	Fabaceae Faboideae	*Dillwynia retorta*						•				
	Fabaceae Faboideae	*Glycine clandestina*	•	•			•	•	•	•		
	Fabaceae Faboideae	*Gompholobium latifolium*		•			•	•				
	Fabaceae Faboideae	*Hardenbergia violacea*						•				
	Fabaceae Faboideae	*Hovea linearis*				•		•				
	Fabaceae Faboideae	*Kennedia rubicunda*	•					•				•
	Fabaceae Faboideae	*Platylobium formosum ssp formosum*	•	•		•	•	•				
	Fabaceae Faboideae	*Pultenaea flexilis*	•	•		•	•	•				
	Fabaceae-Mimosoideae	*Acacia binervia*		•		•	•	•				

	Fabaceae-Mimosoideae	*Acacia elata*			•		•	•	• P			
	Fabaceae-Mimosoideae	*Acacia floribunda*		•			•	•				
	Fabaceae-Mimosoideae	*Acacia linifolia*	•	•			•	•				
	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*	•					•				
	Fabaceae-Mimosoideae	*Acacia longissima*				•		•				
	Fabaceae-Mimosoideae	*Acacia suaveolens*		•			•	•				
	Fabaceae-Mimosoideae	*Acacia ulicifolia*	•	•		•	•	•				
	Geraniaceae	*Geraneum homeanum*					•*	•				
	Geraniaceae	*Geranium solanderi*						•	•	•		
	Goodeniaceae	*Goodenia heterophylla*		•			•	•				
	Haloragaceae	*Gonocarpus teucrioides*		•		•	•	•				
	Lamiaceae	*Plectranthus parvifolius*					•	•			•	
	Lauraceae	*Cryptocarya glaucescens*		•			•	•				
	Linaceae	*Linum marginale*			•		•	•	•			
	Lobeliaceae	*Lobelia dentata*		•			•	•				
	Lobeliaceae	*Pratia purpurascens*		•			•	•			•	
	Malvaceae	*Brachychiton acerifolius*						•				
	Moraceae	*Ficus rubiginosa*		•			•	•				
	Myrsinaceae	*Myrsine (Rapanea) variabilis*	•	•		•	•	•	•			
	Myrtaceae	*Acmena smithii*	•	•		•	•	•	• E P			
	Myrtaceae	*Angophora costata*	•	•		•	•	•	• E P	•	•	
	Myrtaceae	*Austromyrtus tenuifolia*				•						
	Myrtaceae	*Backhousia myrtifolia*		•		•	•	•				
	Myrtaceae	*Callistemon linearis*					•*	•				
	Myrtaceae	*Corymbia gummifera*	•	•			•	•	• E P			
	Myrtaceae	*Eucalyptus haemastoma*						•				
	Myrtaceae	*Eucalyptus pilularis*	•	•		•	•	•	• E P	•	•	•
	Myrtaceae	*Eucalyptus piperita*	•	•		•	•					
	Myrtaceae	*Eucalyptus resinifera*						•				
	Myrtaceae	*Eucalyptus saligna*		•		•	•	•	• E P	•		•
	Myrtaceae	*Kunzea ambigua*		•		•	•	•	• P			
	Myrtaceae	*Leptospermum trinervium*				•		•				
	Myrtaceae	*Rhodamnia rubescens*			•		•	•				
	Myrtaceae	*Syncarpia glomulifera*	•	•		•	•	•	• E P	•	•	•

	Myrtaceae	*Tristaniopsis laurina*	•	•			•	•				
	Oleaceae	*Notelaea longifolia*	•	•		•	•	•				•
	Oleaceae	*Notelaea ovata*						•				
	Oleaceae	*Notelaea venosa*		•		•	•					
	Oxalidaceae	*Oxalis corniculata*		•			•	•	•			
	Pittosporaceae	*Billardiera scandens*		•		•	•	•				
	Pittosporaceae	*Pittosporum revolutum*	•	•		•	•	•	• P			
	Pittosporaceae	*Pittosporum undulatum*	•	•			•	•	•	•	•	•
	Polygonaceae	*Persicaria decipiens*					•*	•				
	Proteaceae	*Banksia ericifolia*					•	•	• P			
	Proteaceae	*Banksia integrifolia*			•		•	•				
	Proteaceae	*Banksia serrata*		•		•	•	•				
	Proteaceae	*Banksia spinulosa*		•		•	•	•				
	Proteaceae	*Grevillea buxifolia*				•	•	•				
	Proteaceae	*Grevillea linearifolia*				•		•	• P			
	Proteaceae	*Grevillea sericea*					•	•				
	Proteaceae	*Hakea sericea*	•	•		•	•	•				
	Proteaceae	*Lambertia formosa*		•			•	•				
	Proteaceae	*Lomatia silaifolia*	•	•		•	•	•				
	Proteaceae	*Persoonia laurina*						•				
	Proteaceae	*Persoonia levis*	•	•			•	•				
	Proteaceae	*Persoonia linearis*		•		•	•	•				
	Proteaceae	*Persoonia pinifolia*	•					•				
	Proteaceae	*Xylomelum pyriforme*					•	•				
	Ranunculaceae	*Clematis aristata*		•			•	•	•			
	Rhamnaceae	*Pomaderris sp*						•				
	Rhamnaceae	*Pomaderris intermedia*					•	•				
	Rhamnaceae	*Pomaderris spp.*				•						
	Rubiaceae	*Morinda jasminoides*		•		•	•	•				
	Rubiaceae	*Opercularia aspera*			•		•	•				
	Rubiaceae	*Pomax umbellata*		•				•				
	Rutaceae	*Correa reflexa*				•		•				
	Rutaceae	*Zieria pilosa*	•	•			•	•				
	Rutaceae	*Zieria smithii*	•	•		•	•	•	•			

	Santalaceae	*Omphacomeria acerba*		•			•	•				
	Sapindaceae	*Cupaniopsis anacardioides*					•					
	Sapindaceae	*Dodonaea multijuga*						•				
	Sapindaceae	*Dodonaea triquetra*	•			•	•	•	•			
	Scrophulariaceae	*Veronica plebeia*		•			•	•	•		•	
	Solanaceae	*Nicotiana suaveolens*					•*					
	Solanaceae	*Solanum aviculare*						•				
	Solanaceae	*Solanum prinophyllum*					•*	•				
	Stackhousiaceae	*Stackhousia monogyna*					•*	•				
	Stackhousiaceae	*Stackhousia viminea*						•				
	Sterculiaceae	*Lasiopetalum ferrugineum var. ferrugineum*	•	•			•	•				
	Stylidiaceae	*Stylidium graminifolium*	•					•				
	Stylidiaceae	*Stylidium productum*		•				•				
	Thymeliaceae	*Pimelea linifolia*						•				
	Tremandraceae	*Tetratheca ericifolia*		•			•	•				
	Violaceae	*Viola hederacea*						•				
	Vitaceae	*Cayratia clematidea*						•				
	Vitaceae	*Cissus hypoglauca*						•				
MONOCOTS	Anthericaceae	*Caesia parviflora*						•				
	Anthericaceae	*Caesia parviflora var vittata*		•			•					
	Anthericaceae	*Tricoryne simplex*		•			•	•				
	Araceae	*Alocasia macrorrhiza*					•					
	Araceae	*Gymnostachys anceps*						•				
	Commelinaceae	*Commelina cyanea*	•					•	•			
	Cyperaceae	*Gahnia clarkei*			•		•	•				
	Cyperaceae	*Gahnia spp.*						•				
	Cyperaceae	*Isolepis nodosus*						•				
	Cyperaceae	*Lepidosperma gunnii*						•				
	Cyperaceae	*Lepidosperma laterale*	•	•			•	•				
	Cyperaceae	*Lepidosperma limicola*							•			
	Cyperaceae	*Schoenus apogon*						•				
	Cyperaceae	*Schoenus melanostachys*						•	•			
	Cyperaceae	*Tetraria capillaris*						•				

	Iridaceae	*Patersonia sericea*		•			•	•				
	Juncaceae	*Juncus continuus*						•				
	Juncaceae	*Juncus planifolius*						•				
	Juncaceae	*Juncus usitatus*					•*	•				
	Lemnaceae	*Spirodela pusilla*					•	•				
	Lomandraceae	*Lomandra brevis 2RC*						•				
	Lomandraceae	*Lomandra cylindrica*						•				
	Lomandraceae	*Lomandra filiformis ssp filiformis*		•			•	•				
	Lomandraceae	*Lomandra fluviatilis 3RC*						•				
	Lomandraceae	*Lomandra glauca*						•	•			
	Lomandraceae	*Lomandra gracilis*						•				
	Lomandraceae	*Lomandra longifolia*	•	•		•	•	•	•			
	Lomandraceae	*Lomandra multiflora*					•	•				
	Lomandraceae	*Lomandra obliqua*	•	•				•				
	Luzuriagaceae	*Eustrephus latifolius*	•	•			•	•	•			
	Orchidaceae	*Acianthus fornicatus*			•		•	•				
	Orchidaceae	*Caladenia alba*					•*	•				
	Orchidaceae	*Caladenia carnea*					•	•				
	Orchidaceae	*Calochilus campestris*		•				•				
	Orchidaceae	*Corybas aconitiflorus*			•		•	•				
	Orchidaceae	*Cryptostylis sp*						•				
	Orchidaceae	*Cryptostylis erecta*	•	•				•				
	Orchidaceae	*Dendrobium speciosum*						•				
	Orchidaceae	*Dipodium punctatum*						•				
	Orchidaceae	*Pterostylis longifolia*						•				
	Orchidaceae	*Pterostylis nutans*			•		•	•				
	Phormiaceae	*Dianella caerulea var caerulea*	•	•		•	•	•	•	•	•	
	Phormiaceae	*Dianella longifolia var longifolia*						•				
	Phormiaceae	*Dianella revoluta*						•	•			
	Poaceae	*Agrostis avenacea*						•				
	Poaceae	*Anisopogon avenaceus*		•			•	•				
	Poaceae	*Aristida vagans*						•	•			
	Poaceae	*Austradanthonia tenuior*						•				
	Poaceae	*Austrostipa sp*						•				

	Poaceae	*Cymbopogon refractus*	•		•		•	•				
	Poaceae	*Dichelachne sp*						•				
	Poaceae	*Echinopogon caespitosus*		•			•	•	•			
	Poaceae	*Entolasia marginata*		•		•	•	•				
	Poaceae	*Entolasia stricta*	•	•		•	•	•				
	Poaceae	*Imperata cylindrica*						•	•	•		
	Poaceae	*Microlaena stipoides*		•			•	•	•			
	Poaceae	*Oplismenus aemulus*			•		•	•				
	Poaceae	*Oplismenus imbecillis*		•			•	•	•			
	Poaceae	*Panicum simile*		•			•	•				
	Poaceae	*Paspalidium criniforme*		•			•	•				
	Poaceae	*Paspalidium distans*						•				
	Poaceae	*Phragmites australis*						•				
	Poaceae	*Poa affinis*		•				•				
	Poaceae	*Sporobolus creber*						•				
	Poaceae	*Sporobolus elongatus*						•				
	Poaceae	*Stipa rudis*		•								
	Poaceae	*Themeda australis*		•			•	•	•			
	Smilacaceae	*Smilax australis*						•	•			
	Smilacaceae	*Smilax glyciphylla*	•	•		•	•	•	•			
	Typhaceae	*Typha spp.*						•				
	Uvulariaceae	*Schelhammera undulata*		•		•	•	•				
	Xanthorrhoeaceae	*Xanthorrhoea arborea*						•				
	Xanthorrhoeaceae	*Xanthorrhoea media ssp. media*		•		•	•	•	•			

5.9.2 Aboriginal Archaeological Site Information

Ferndale Park		
AHO#	**AHIMS#**	**Site Type**
WILL-034	45-6-1353	Shelter Art

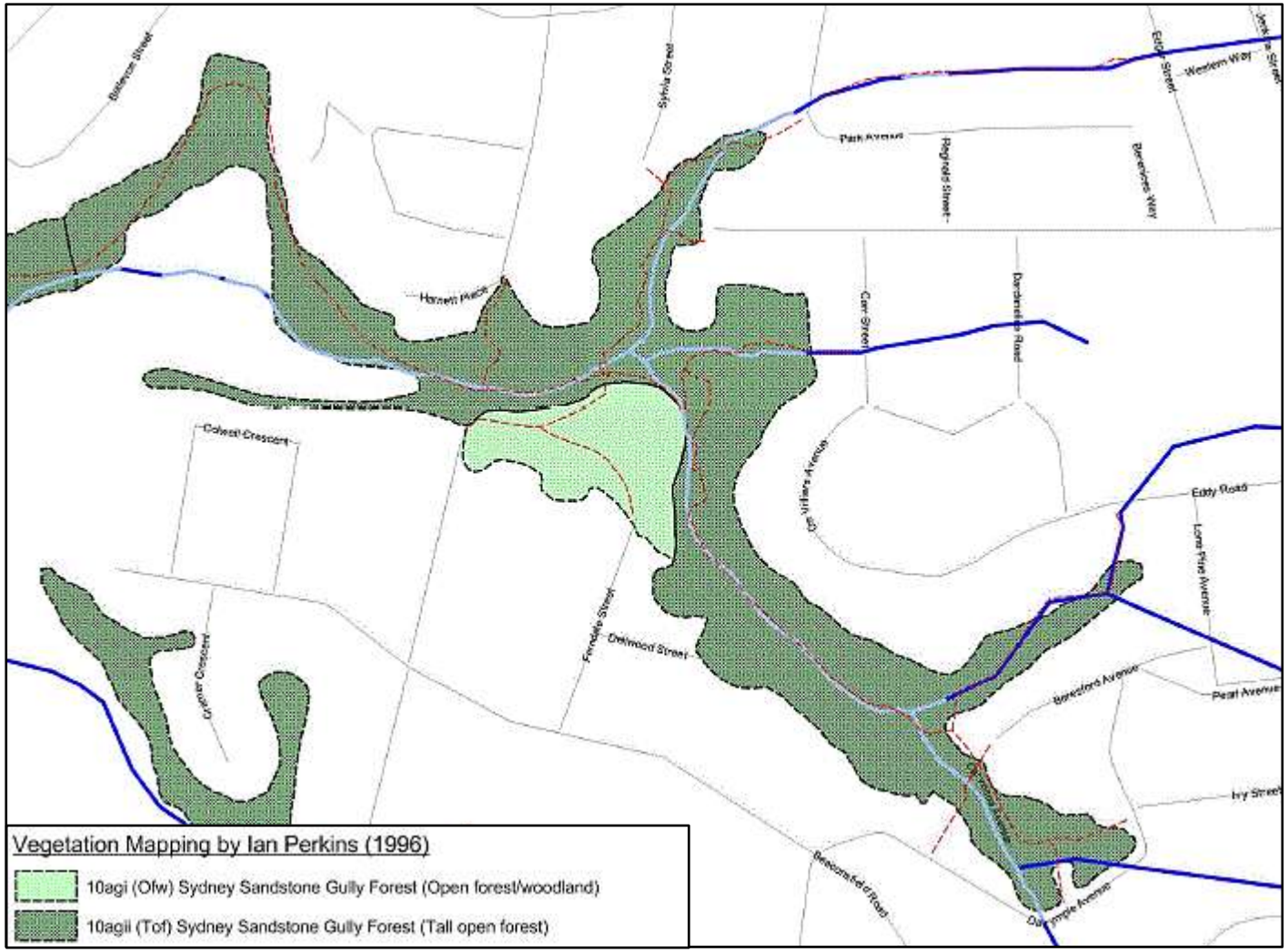
5.9.3 Reserve Assets

Reserve Name	Asset Type	Asset Description	Material Description	Quantity	Comments
Chatswood High School	Sign	General	Metal		Bushcare
Ferndale Park	Bench	No concrete base	Natural Log	3	Slab
Ferndale Park	Bench	No concrete base	Natural Log		Slab bench and bridge with hand rail x 1
Ferndale Park	Bench	No concrete base	Timber/Metal		Seat and back
Ferndale Park	Bin	N/A	Plastic		Sulo bin and stand
Ferndale Park	Fence	Other	Metal	3	Swing arm gate
Ferndale Park	Picnic Setting	Concrete base	Timber/Metal		Table and bench x 2
Ferndale Park	Sign	General	Metal	2	Bushcare
Ferndale Park	Sign	General	Metal	2	Interpretive - Swaines creek
Ferndale Park	Sign	General	Metal		Interpretive - Bush Regeneration
Ferndale Park	Sign	General	Metal	4	Wildlife Protection Area
Ferndale Park	Sign	General	Timber	2	Wildlife Protection Area
Ferndale Park	Sign	General	Metal		Ferndale Park
Ferndale Park	Sign	Name	Timber		Ferndale Park
Ferndale Park	Sign	Name	Timber/Metal		Round Willoughby Walks
Ferndale Park	Sign	Regulatory	Metal		Triangular
Fullers Road Reserve	Bench	No concrete base	Natural Log	3	
Fullers Road Reserve	Garden	Informal	No edging		log edging-bush garden
Fullers Road Reserve	Plaque	Other	N/A		Charles Lark-plaque set in bench
Fullers Road Reserve	Sign	General	N/A		floodway warning
Fullers Road Reserve	Sign	General	N/A		

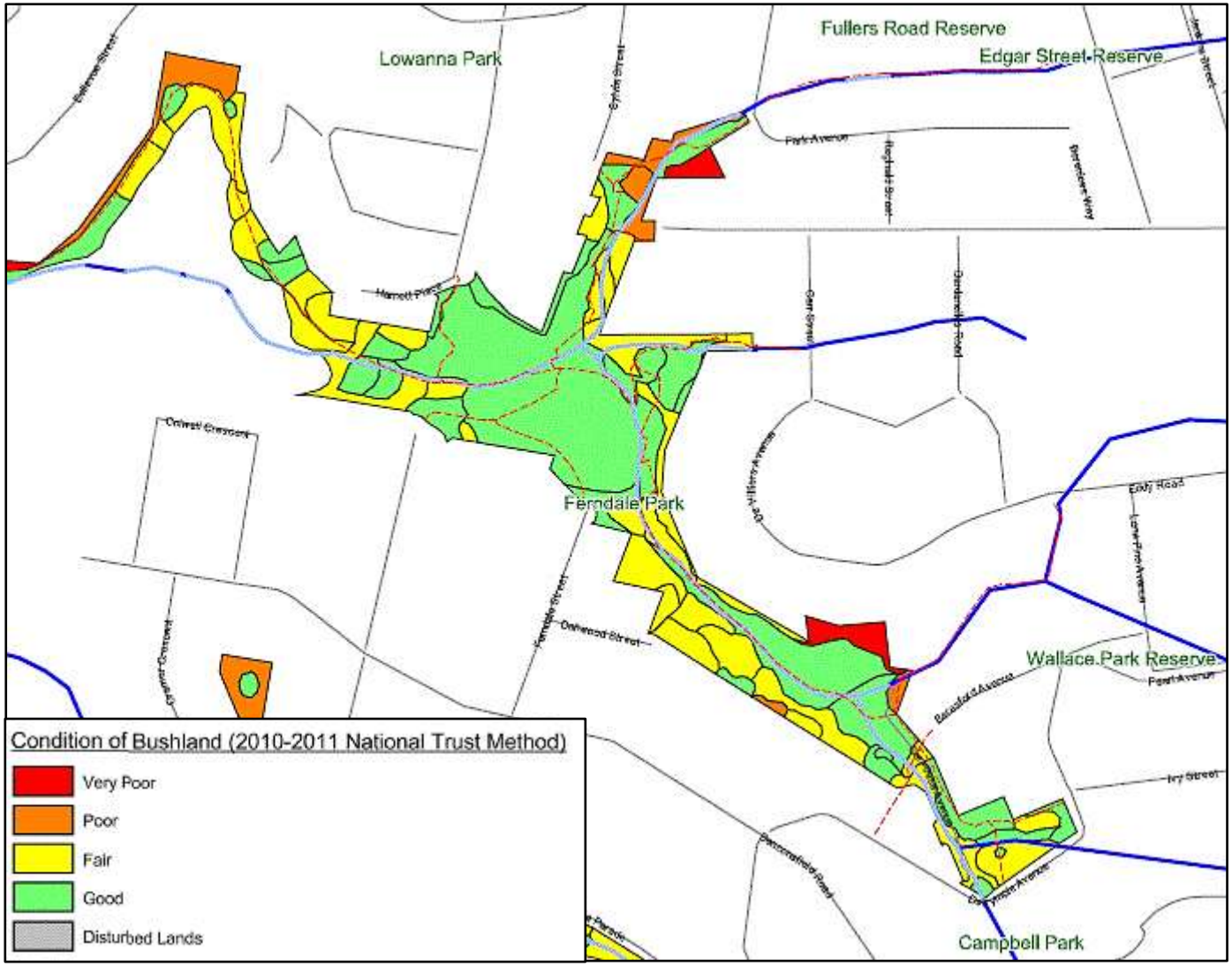
5.9.4 Maps

Ferndale Park Outline

Ferndale Park Group Outline Aerial



Ferndale Group Native Vegetation Communities



Ferndale Park Group Bushland Condition Rating 2010 – 2011

5.10 Flat Rock Gully

Flat Rock Gully is a 22.3 hectare bushland reserve bounded by Flat Rock Drive to the west and extends beyond the historic Cammeray Bridge to the east. Private property backs on to the remaining boundaries of the Reserve. The reserve contributes to a habitat linkage (non-continuous) that includes Tunks Park, Northbridge Park, Cliff Ave Reserve, Bicentennial Reserve and Artarmon Reserve. It is dominated by Hawkesbury Sandstone with areas classified as Disturbed Terrain. Part of the reserve was used as a garbage tip from the 1930s until 1985, and then the rubbish was covered with landfill and revegetated. Flat Rock Gully is located in the Flat Rock Creek catchment part of the Middle Harbour catchment area.

5.10.1 Native Plant Species List

Flat Rock Gully			**Forsite 1989**	**Wilksch 1994**	**Cloustons 1995**	**(Monro Park) B Venton 1994**	**Reserve Action Plan 2012**
	Family	**Genus-species**					
FERNS	Adiantaceae	*Adiantum aethiopicum*	•		•	•	•
	Aspleniaceae	*Asplenium australasicum*	•			•	•
	Aspleniaceae	*Asplenium flabellifolium*			•		•
	Blechnaceae	*Blechnum cartilagineum*	•			•	•
	Blechnaceae	*Doodia caudata*	•		•	•	
	Cyatheaceae	*Cyathea australis*	•		•	•	•
	Cyatheaceae	*Cyathea cooperi*	•		•	•	
	Cyatheaceae	*Cyathea leichhardtiana*	•			•	
	Davalliaceae	*Davallia pyxidata*	•			•	•
	Dennstaedtiaceae	*Histiopteris incisa*			•		•
	Dennstaedtiaceae	*Hypolepis muelleri*	•			•	•
	Dennstaedtiaceae	*Pteridium esculentum*			•	•	•
	Dicksoniaceae	*Calochlaena dubia*	•		•	•	•

	Gleicheniaceae	*Gleichenia dicarpa*	•		•	•	•
	Gleicheniaceae	*Gleichenia rupestris*	•			•	•
	Lindsaeaceae	*Lindsaea linearis*	•		•	•	•
	Lindsaeaceae	*Lindsaea microphylla*					•
	Osmandaceae	*Todea barbara*	•			•	•
	Polypodiaceae	*Platycerium bifurcatum*	•			•	•
	Polypodiaceae	*Pyrrosia rupestris*			•		•
	Pteridaceae	*Cheilanthes austrotenuifolia*					•
	Pteridaceae	*Cheilanthes sieberi*					•
	Pteridaceae	*Pteris umbrosa*	•			•	•
	Thelypteridaceae	*Christella dentata*	•			•	
DICOTS	Acanthaceae	*Pseuderanthemum variabile*	•	•		•	•
	Apiaceae	*Actinotus helianthi*		•			•
	Apiaceae	*Actinotus minor*	•	•		•	•
	Apiaceae	*Centella asiatica*					•
	Apiaceae	*Platysace linearifolia*		•			•
	Apiaceae	*Xanthosia pilosa*	•	•	•	•	•
	Apiaceae	*Xanthosia tridentata*			•		•
	Apocynaceae	*Parsonsia straminea*	•			•	•
	Araliaceae	*Astroticha latifolia*		•			•
	Araliaceae	*Polyscias sambucifolia*	•	•	•	•	•
	Asclepiadaceae	*Marsdenia suaveolens*		•			•
	Asteraceae	*Cotula coronopifolia*		•			
	Asteraceae	*Helichrysun elatum*		•			
	Asteraceae	*Ozothamnus diosmifolium*	•	•	•	•	•
	Bignoniaceae	*Pandorea pandorana*		•	•		•
	Campanulaceae	*Wahlenbergia communis*		•			•
	Campanulaceae	*Wahlenbergia gracilis*	•				•
	Cassythaceae	*cassytha paniculata*	•		•	•	•
	Casuarinaceae	*Allocasuarina distyla*	•			•	•
	Casuarinaceae	*Allocasuarina littoralis*	•	•	•	•	•
	Casuarinaceae	*Allocasuarina torulosa*	•			•	•
	Casuarinaceae	*Casuarina glauca*					•

	Convolvulaceae	*Dichondra repens*					•
	Cunoniaceae	*Bauera microphylla*				•	•
	Cunoniaceae	*Bauera rubioides*	•	•	•		•
	Cunoniaceae	*Callicoma serratifolia*					•
	Cunoniaceae	*Callicoma serratifolia*	•	•	•	•	
	Cunoniaceae	*Ceratopetalum apetalum*	•	•	•	•	•
	Cunoniaceae	*Ceratopetalum gummiferum*	•	•	•	•	•
	Dilleniaceae	*Hibbertia aspera*	•			•	•
	Dilleniaceae	*Hibbertia dentata*	•	•	•	•	•
	Dilleniaceae	*Hibbertia empetrifolia*	•			•	•
	Dilleniaceae	*Hibbertia linearis*	•	•		•	•
	Dilleniaceae	*Hibbertia nitida*		•	•		•
	Dilleniaceae	*Hibbertia scandens*	•	•		•	•
	Droseraceae	*Drosera spathulata*		•			•
	Droseraceae	*Drosera auriculata*		•			•
	Elaeocarpaceae	*Elaeocarpus reticulatus*	•	•	•	•	•
	Ericaceae Styphelioideae	*Brachyloma daphnoides*		•			•
	Ericaceae Styphelioideae	*Dracophyllum secundum*		•	•		•
	Ericaceae Styphelioideae	*Epacris longiflora*	•	•	•	•	•
	Ericaceae Styphelioideae	*Epacris microphylla*	•	•		•	•
	Ericaceae Styphelioideae	*Epacris obtusifolia*		•			
	Ericaceae Styphelioideae	*Epacris pulchella*		•			•
	Ericaceae Styphelioideae	*Epacris reclinata*	•			•	
	Ericaceae Styphelioideae	*Leucopogon amplexicaulis*	•	•	•	•	•
	Ericaceae Styphelioideae	*Leucopogon ericoides*		•	•		•
	Ericaceae Styphelioideae	*Leucopogon juniperinus*			•		•
	Ericaceae Styphelioideae	*Styphelia tubiflora*		•			•
	Ericaceae Styphelioideae	*Woollsia pungens*	•	•	•	•	•
	Euphorbiaceae	*Breynia oblongifolia*	•			•	•
	Euphorbiaceae	*Glochidion ferdinandi*	•		•	•	•
	Euphorbiaceae	*Micrantheum ericoides*	•		•	•	•
	Euphorbiaceae	*Omalanthus populifolius*	•	•	•	•	•
	Euphorbiaceae	*Phyllanthus hirtellus (syn. P. thymoides)*	•	•	•	•	•
	Fabaceae Faboideae	*Bossiaea heterophylla*		•			•

	Fabaceae Faboideae	*Desmodium varians*	•			•	•
	Fabaceae Faboideae	*Dillwynia floribunda*	•	•			•
	Fabaceae Faboideae	*Dillwynia glaberrima*	•			•	•
	Fabaceae Faboideae	*Dillwynia retorta*	•	•	•		•
	Fabaceae Faboideae	*Glycine clandestina*	•			•	•
	Fabaceae Faboideae	*Gompholobium latifolium*	•	•	•	•	•
	Fabaceae Faboideae	*Hardenbergia violacea*		•			•
	Fabaceae Faboideae	*Hovea longifolia*		•			•
	Fabaceae Faboideae	*Indigofera australis*	•			•	•
	Fabaceae Faboideae	*Kennedia rubicunda*	•	•		•	•
	Fabaceae Faboideae	*Mirbelia rubiifolia*		•			•
	Fabaceae Faboideae	*Phyllota phylicoides*		•			•
	Fabaceae Faboideae	*Platylobium formosum ssp formosum*	•	•	•	•	•
	Fabaceae Faboideae	*Pultenaea daphnoides*	•	•		•	•
	Fabaceae Faboideae	*Pultenaea elliptica*		•			•
	Fabaceae Faboideae	*Pultenaea flexilis*	•	•	•	•	•
	Fabaceae Faboideae	*Pultenaea stipularis*	•		•	•	•
	Fabaceae Faboideae	*Viminaria juncea*		•			•
	Fabaceae-Mimosoideae	*Acacia binervia*		•			
	Fabaceae-Mimosoideae	*Acacia decurrens*		•			•
	Fabaceae-Mimosoideae	*Acacia elongata*	•			•	•
	Fabaceae-Mimosoideae	*Acacia floribunda*		•			
	Fabaceae-Mimosoideae	*Acacia implexa*		•			
	Fabaceae-Mimosoideae	*Acacia linifolia*	•	•	•	•	•
	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*	•	•	•	•	•
	Fabaceae-Mimosoideae	*Acacia longissima*		•			•
	Fabaceae-Mimosoideae	*Acacia stricta*		•			
	Fabaceae-Mimosoideae	*Acacia suaveolens*	•		•	•	•
	Fabaceae-Mimosoideae	*Acacia terminalis*	•		•	•	•
	Fabaceae-Mimosoideae	*Acacia ulicifolia*	•	•	•	•	•
	Goodeniaceae	*Dampiera stricta*		•	•		•
	Haloragaceae	*Gonocarpus teucrioides*	•	•	•	•	•
	Haloragaceae	*Haloragis heterophylla*	•			•	•
	Lamiaceae	*Prostanthera linearis*	•	•		•	•

	Lobeliaceae	*Lobelia alata*		•			
	Lobeliaceae	*Lobelia gracilis*		•		•	•
	Lobeliaceae	*Pratia purpurascens*		•			•
	Loganiaceae	*Logania albiflora*		•			
	Loganiaceae	*Mitrasacme polymorpha*		•			
	Myrsinaceae	*Myrsine (Rapanea) variabilis*			•		•
	Myrtaceae	*Angophora costata*	•	•	•	•	•
	Myrtaceae	*Austromyrtus tenuifolia*	•	•	•	•	•
	Myrtaceae	*Backhousia myrtifolia*		•			
	Myrtaceae	*Baeckea imbricata*		•			
	Myrtaceae	*Baeckea linifolia*		•			
	Myrtaceae	*Corymbia gummifera*	•		•	•	•
	Myrtaceae	*Eucalyptus pilularis*	•		•	•	•
	Myrtaceae	*Eucalyptus piperita*			•	•	•
	Myrtaceae	*Eucalyptus resinifera*					•
	Myrtaceae	*Eucalyptus saligna*			•		
	Myrtaceae	*Eucalyptus sieberi*			•		•
	Myrtaceae	*Eucalyptus umbra*	•			•	
	Myrtaceae	*Kunzea ambigua*	•	•	•	•	•
	Myrtaceae	*Leoptospermum juniperinum*		•			
	Myrtaceae	*Leptospermum polygalifolium*		•			
	Myrtaceae	*Leptospermum squarrosum*		•			
	Myrtaceae	*Leptospermum trinervium*	•	•	•	•	•
	Myrtaceae	*Tristania neriifolia*		•			
	Myrtaceae	*Tristaniopsis laurina*	•		•	•	•
	Olacaceae	*Olax stricta*		•			
	Oleaceae	*Notelaea longifolia*	•	•	•	•	•
	Oleaceae	*Notelaea ovata*	•		•	•	•
	Oxalidaceae	*Oxalis corniculata*	•			•	•
	Pittosporaceae	*Billardiera scandens*	•	•	•	•	•
	Pittosporaceae	*Pittosporum revolutum*		•			
	Pittosporaceae	*Pittosporum undulatum*	•	•	•	•	•
	Polygonaceae	*Persicaria decipiens*			•		•
	Proteaceae	*Banksia ericifolia*	•			•	•

	Proteaceae	*Banksia integrifolia*		•			•
	Proteaceae	*Banksia serrata*	•	•	•	•	•
	Proteaceae	*Banksia spinulosa*		•		•	•
	Proteaceae	*Banksia spinulosa var collina*	•		•		
	Proteaceae	*Grevillea buxifolia*	•	•		•	•
	Proteaceae	*Grevillea linearifolia*	•	•		•	•
	Proteaceae	*Grevillea speciosa*		•			•
	Proteaceae	*Hakea dactyloides*	•	•	•	•	•
	Proteaceae	*Hakea dactyloides (weeping form)*	•			•	•
	Proteaceae	*Hakea propinqua*		•			•
	Proteaceae	*Hakea sericea*	•	•	•	•	•
	Proteaceae	*Hakea teretifolia*		•		•	
	Proteaceae	*Isopogon anethifolius*		•			
	Proteaceae	*Lambertia formosa*	•	•	•	•	•
	Proteaceae	*Lomatia myricoides*	•			•	
	Proteaceae	*Lomatia silaifolia*		•	•	•	•
	Proteaceae	*Persoonia lanceolata*		•			
	Proteaceae	*Persoonia levis*	•		•	•	•
	Proteaceae	*Persoonia linearis*	•			•	•
	Proteaceae	*Persoonia pinifolia*	•	•	•	•	•
	Rhamnaceae	*Pomaderris discolor*	•		•	•	•
	Rubiaceae	*Pomax umbellata*					•
	Rutaceae	*Crowea saligna*	•	•	•	•	•
	Rutaceae	*Phebalium dentatum*	•	•	•	•	•
	Rutaceae	*Zieria smithii*			•		•
	Sapindaceae	*Dodonaea triquetra*				•	•
	Sapindaceae	*Dodonaea viscosa*	•	•	•		
	Scrophulariaceae	*Veronica plebeia*	•	•		•	
	Sterculiaceae	*Lasiopetalum ferrugineum var. ferrugineum*	•	•	•	•	•
	Sterculiaceae	*Lasiopetalum rufum*		•			
	Sterculiaceae	*Rulingia dasyphylla*		•			
	Stylidiaceae	*Stylidium productum*	•				
	Stylidiaceae	*Stylidium graminifolium*		•			
	Stylidiaceae	*Stylidium productum*					•

	Thymeliaceae	*Pimelea linifolia*		•	•		•
	Ulmaceae	*Trema aspera*					•
	Ulmaceae	*Trema tomentosa*	•			•	
	Verbenaceae	*Clerodendrum tomentosum*	•			•	•
	Violaceae	*Hybanthus monopetalus*		•			
	Vitaceae	*Cissus hypoglauca*			•		•
MONOCOTS	Anthericaceae	*Caesia parviflora var vittata*		•			
	Commelinaceae	*Commelina cyanea*		•			•
	Cyperaceae	*Caustis diandra*					•
	Cyperaceae	*Caustis flexuosa*	•	•	•	•	
	Cyperaceae	*Cyathochaeta diandra*	•			•	
	Cyperaceae	*Cyperus polystachos*		•			•
	Cyperaceae	*Gahnia erythrocarpa*	•			•	•
	Cyperaceae	*Gahnia sieberiana*		•			
	Cyperaceae	*Gahnia spp.*	•		•	•	•
	Cyperaceae	*Lepidosperma laterale*	•		•	•	•
	Cyperaceae	*Schoenus melanostachys*	•		•	•	•
	Dioscoreaceae	*Dioscora transversa*	•			•	•
	Iridaceae	*Patersonia glabrata*		•			
	Iridaceae	*Patersonia sericea*	•			•	•
	Juncaceae	*Juncus kraussii var australiensis*					•
	Juncaceae	*Juncus usitatus*			•		•
	Lomandraceae	*Lomandra longifolia*	•		•	•	•
	Lomandraceae	*Lomandra micranth spp tuberculata*					
	Lomandraceae	*Lomandra multiflora*	•	•		•	•
	Lomandraceae	*Lomandra obliqua*	•	•	•	•	•
	Orchidaceae	*Acianthus fornicatus*		•			
	Orchidaceae	*Caladenia alba*		•			
	Orchidaceae	*Calochilus gracillimus*		•			
	Orchidaceae	*Cryptostylis erecta*	•	•		•	•
	Orchidaceae	*Cryptostylis hunteriana 3VC*		•			
	Orchidaceae	*Dendrobium linguiforme*		•			
	Orchidaceae	*Dendrobium speciosum*		•			

	Orchidaceae	*Dipodium punctatum*	•	•		•	•
	Orchidaceae	*Erythrorchis cassythoides*		•			
	Orchidaceae	*Glossodia major*		•			
	Orchidaceae	*Microtis parviflora*		•			
	Orchidaceae	*Pterostylis acuminata*		•			•
	Orchidaceae	*Pterostylis nutans*		•		•	•
	Phormiaceae	*Dianella caerulea var caerulea*	•	•	•	•	•
	Phormiaceae	*Dianella laevis*	•			•	•
	Poaceae	*Aristida vagans*			•		•
	Poaceae	*Dichelachne crinita*	•				•
	Poaceae	*Entolasia marginata*					•
	Poaceae	*Entolasia stricta*	•		•	•	•
	Poaceae	*Imperata cylindrica*					•
	Poaceae	*Microlaena stipoides*			•		•
	Poaceae	*Notodanthonia longifolia*					•
	Poaceae	*Oplismenus aemulus*	•				•
	Poaceae	*Oplismenus imbecillis*			•	•	•
	Poaceae	*Themeda australis*		•		•	•
	Restionaceae	*Lepyrodia scariosa*			•		•
	Smilacaceae	*Smilax glyciphylla*	•	•	•	•	•
	Uvulariaceae	*Schelhammera undulata*	•	•		•	•
	Xanthorrhoeaceae	*Xanthorrhoea media ssp. media*		•			•
	Xanthorrhoeaceae	*Xanthorrhoea resinosa*	•		•	•	•
	Xanthorrhoeaceae	*Xanthorrhoea sp.*	•		•		•

5.10.2 Aboriginal Archaeological Site Information

Flat Rock Gully Reserve		
AHO#	**AHIMS#**	**Site Type**
WILL-038	45-6-1700	Grinding Groove

5.10.3 Reserve Assets

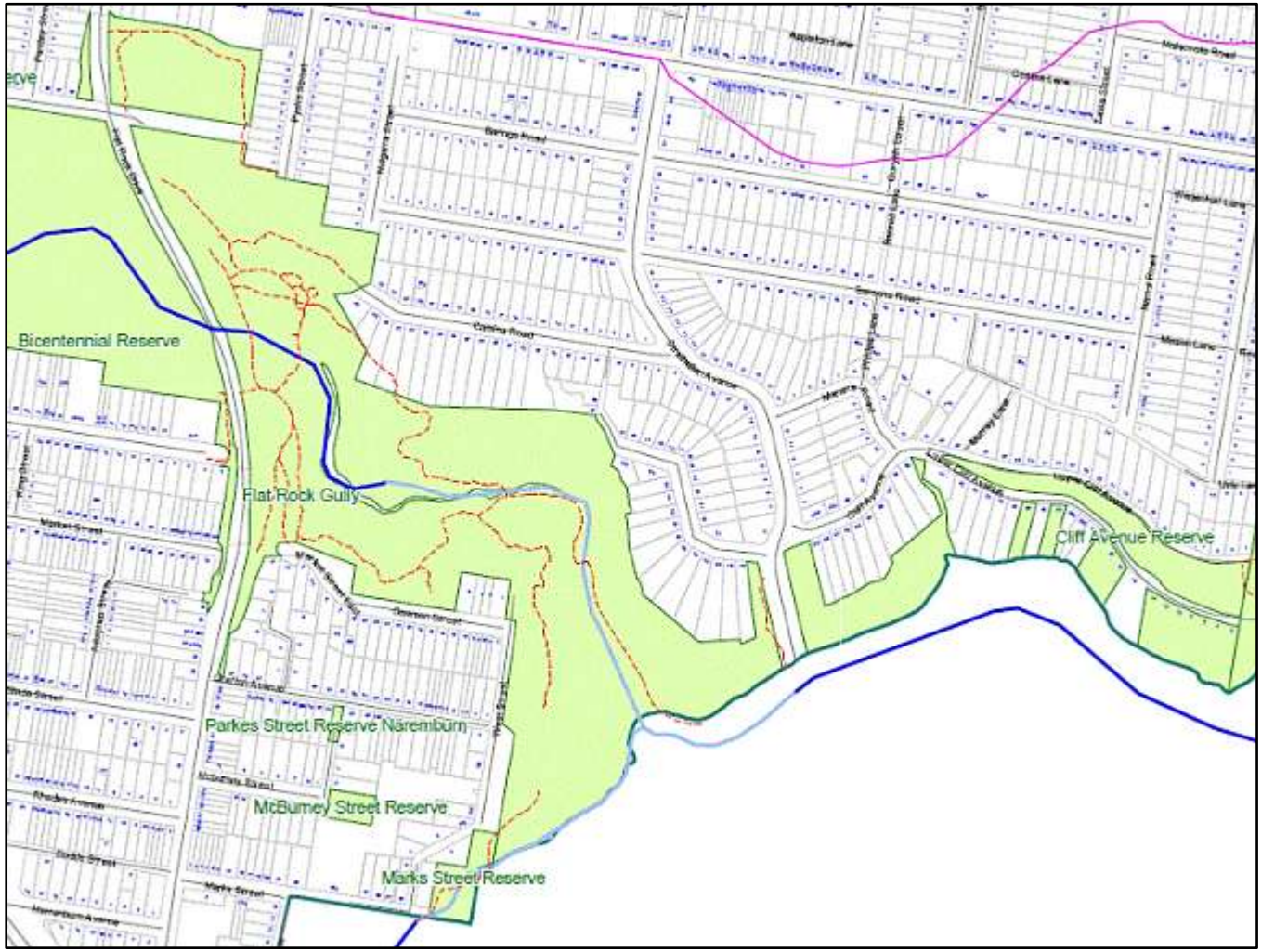
Reserve Name	Asset Type	Asset Description	Material Description	Quantity	Comments
Flat Rock Gully	Artwork	N/A	N/A		Carved goanna on sandstone boulder
Flat Rock Gully	Artwork	N/A	Timber/Metal		Wharf posts x4
Flat Rock Gully	Artwork	Other	Metal		Sculpture - five rammed rail tracks around gum tree
Flat Rock Gully	Artwork	Wall	N/A		Map and Aboriginal mural
Flat Rock Gully	Bench	Informal	Other		Sandstone slab
Flat Rock Gully	Bench	No concrete base	Natural Log		Slab
Flat Rock Gully	Bench	No concrete base	Natural Log		log seats (@1.5m long) x3, chain anchor
Flat Rock Gully	Bench	No concrete base	Natural Log		Slab bench with back
Flat Rock Gully	Bench	No concrete base	Other		Ring of dimensioned sandstone
Flat Rock Gully	Bench	No concrete base	Other		Sandstone block low table
Flat Rock Gully	Bench	No concrete base	Timber	2	
Flat Rock Gully	Bench	No concrete base	Timber		Double width
Flat Rock Gully	Bench	No concrete base	Timber		Seat back arms
Flat Rock Gully	Bench	No concrete base	Timber		Damaged timber bench with missing seat
Flat Rock Gully	Bench	No concrete base	Timber		Timber bench
Flat Rock Gully	Bench	No concrete base	Timber		Bench on timber boardwalk
Flat Rock Gully	Bench	No concrete base	Timber		Missing back
Flat Rock Gully	Bench	No concrete base	Timber/Metal		Seat
Flat Rock Gully	Bench	Other	Other		Sandstone bench seat
Flat Rock Gully	Bench	Other	Other		Ring of sandstone dimension blocks
Flat Rock Gully	Bench	Other	Timber		Bench on Boardwalk
Flat Rock Gully	Bin	Other	Plastic	3	Sulu bin on stand
Flat Rock Gully	Bubbler	Other	Other		Bubbler and water meter
Flat Rock Gully	Fence	Bollard	Metal	2	Metal hinged bollard and lock
Flat Rock Gully	Fence	Bollard	Timber	6	White 400 x 400 timber
Flat Rock Gully	Fence	Bollard	Treated Pine	53	Posts

Flat Rock Gully	Fence	General Fencing	Metal		Metal fence with two rail
Flat Rock Gully	Fence	N/A	Metal		Sliding metal rail gate
Flat Rock Gully	Fence	Other	Metal		Swing arm gate with sandstone boulder plinths (2) and lock
Flat Rock Gully	Fence	Retaining Wall	Other	2	Historic sandstone wall
Flat Rock Gully	Fence	Safety Fencing	Aris Rail		Rail and white painted
Flat Rock Gully	Fence	Safety Fencing	Metal		Crash barrier panels
Flat Rock Gully	Other	Other	Metal		Bike rack galvanised metal (4)
Flat Rock Gully	Picnic Setting	No concrete base	Natural Log		Slab
Flat Rock Gully	Plaque	Other	N/A		Plaque on sandstone - James Atkins
Flat Rock Gully	Plaque	Other	N/A		Plaque on boulder- Wilksch's Walk
Flat Rock Gully	Plaque	Other	N/A		On bench
Flat Rock Gully	Sign	General	Metal	4	Wildlife Protection Area
Flat Rock Gully	Sign	General	Metal		Interpretive - Flat Rock Creek & Dragon
Flat Rock Gully	Sign	General	Metal		Interpretive - Restoring the tip
Flat Rock Gully	Sign	General	Metal		Interpretive - Flat Rock Creek Bibron
Flat Rock Gully	Sign	General	Metal		
Flat Rock Gully	Sign	General	Metal		Exercising unleashed dogs – old design
Flat Rock Gully	Sign	General	N/A		Timber users post
Flat Rock Gully	Sign	General	N/A	2	Wildlife Protection Area plus space on timber panel on timber post
Flat Rock Gully	Sign	Name	N/A		Round Willoughby Walks
Flat Rock Gully	Sign	Name	Timber	2	Flat Rock Gully
Flat Rock Gully	Sign	Other	Other	2	Bronze plaque federation Griffin track on sandstone plinth
Flat Rock Gully	Sign	Other	Timber	13	Timber directional post
Flat Rock Gully	Sign	Other	Timber		Timber post
Flat Rock Gully	Sign	Other	Timber/Metal		Wharf post and etched interpretive sign (Long Bay Walking on water)
Nulgarra road	Bin	N/A	No edging		Bin and stand

5.10.4 Heritage Listed Items

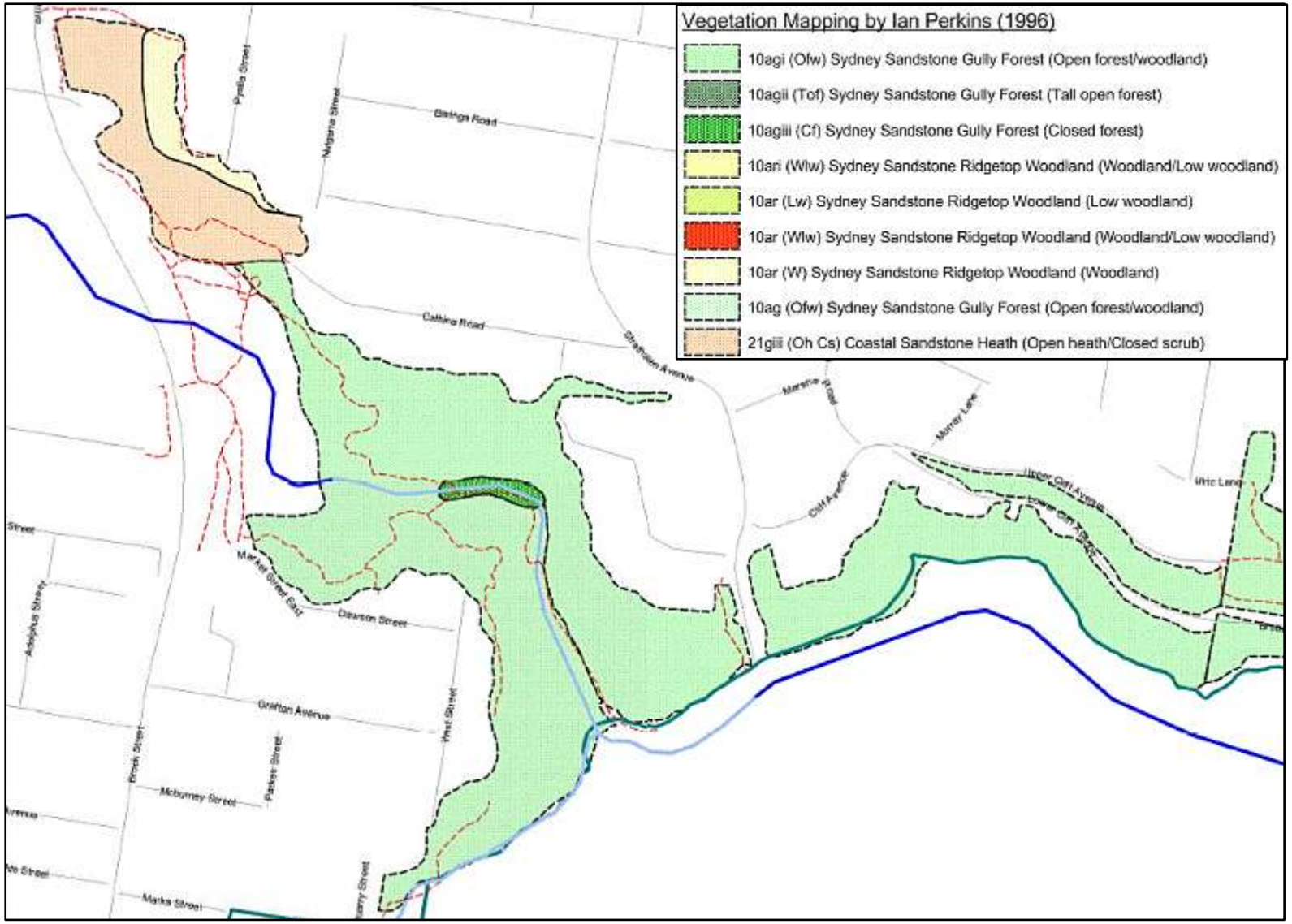
Reserve	Item	Heritage Listing	Address
Flat Rock Gully	Suspension Bridge	Heritage Act - s.170 NSW State agency heritage register	Strathallen Avenue, Willoughby

5.10.5 Maps

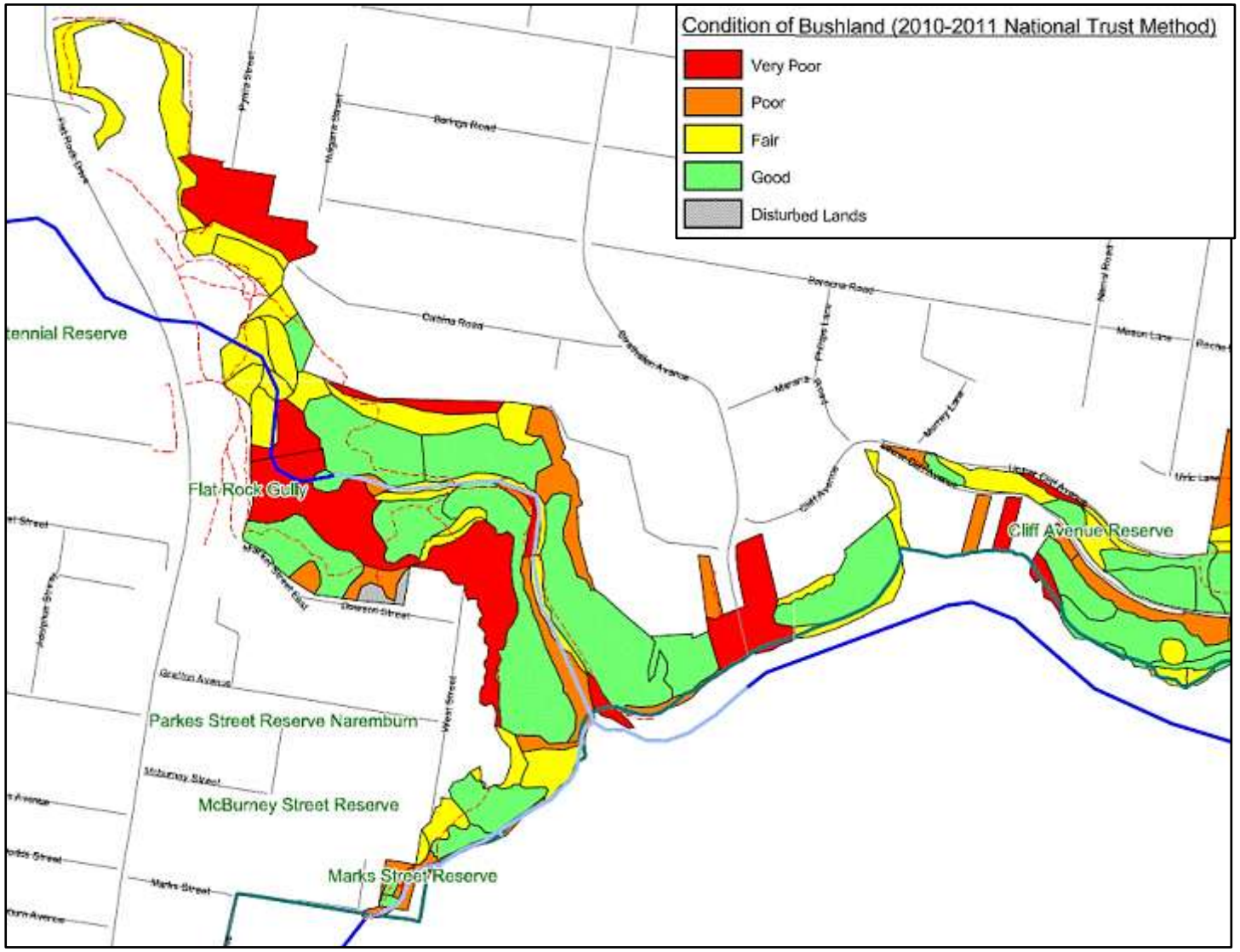


Flat Rock Gully Outline

Flat Rock Gully Outline Aerial



Flat Rock Gully Native Vegetation Communities



Flat Rock Gully Bushland Condition Rating 2010 – 2011

5.11 Harold Reid Reserve Group

Harold Reid is a large 42.7 hectare reserve located in Middle Cove consisting predominately of remnant vegetation with walking tracks and amazing panoramic views of Sugarloaf Bay. From the shoreline Harold Reid rises abruptly to a height approximately 90 metres above sea level, forming a bluff that projects forward in an easterly direction with views of Sugarloaf Bay, Castlecrag, Castle Cove and Seaforth. It is surrounded on three sides by Sugarloaf Bay and on the west by residential development. Harold Reid forms a continuous green link with North Arm Reserve and the Castlecrag Northern Escarpment. The northern half of Harold Reid Reserve is located in the Scotts Creek catchment and the southern half is part of the Sugarloaf Creek catchment. Both are components of the Middle Harbour catchment area.

5.11.1 Native Plant Species List

Harold Reid Reserve Group			**Greenfield Ave Reserve**	**Harold Reid**			**Camp Creek**	**Sugarloaf Creek**
			National Trust 1980	National Trust 1980	G. Quint 1989	Reserve Action Plan 2011	G Spies 1990	P Adam 1985 (mangrove area)
	Family	**Genus-species**						
CLUB MOSS/ QUILL WORT	Selaginellaceae	*Selaginella uliginosa*				•	•	
FORK FERNS	Psilotaceae	*Psilotum nudum*			•	•	•	
CONIFERS	Cupressaceae	*Callitris rhomboidea*				•		
	Podocarpaceae	*Podocarpus elatus*				•	•	
	Podocarpaceae	*Podocarpus spinulosus*				•	•	

FERNS	Adiantaceae	*Adiantum aethiopicum*				•	•	
	Aspleniaceae	*Asplenium australasicum*				•	•	
	Aspleniaceae	*Asplenium flabellifolium*				•	•	
	Blechnaceae	*Blechnum ambiguum*				•	•	
	Blechnaceae	*Blechnum cartilagineum*				•	•	
	Blechnaceae	*Doodia aspera*					•	
	Cyatheaceae	*Cyathea australis*			•	•	•	
	Cyatheaceae	*Cyathea cooperi*				•	•	
	Davalliaceae	*Davallia pyxidata*				•	•	
	Dennstaedtiaceae	*Histiopteris incisa*			•	•	•	
	Dennstaedtiaceae	*Hypolepis muelleri*				•	•	
	Dennstaedtiaceae	*Pteridium esculentum*			•	•	•	
	Dicksoniaceae	*Calochlaena dubia*			•	•	•	
	Gleicheniaceae	*Gleichenia dicarpa*			•	•	•	
	Gleicheniaceae	*Gleichenia microphylla*				•	•	
	Gleicheniaceae	*Gleichenia rupestris*			•	•		
	Gleicheniaceae	*Gleichenia lobatus*			•	•		
	Gleicheniaceae	*Sticherus flabellatus*					•	
	Lindsaeaceae	*Lindsaea linearis*			•	•	•	
	Lindsaeaceae	*Lindsaea microphylla*			•	•	•	
	Polypodiaceae	*Platycerium bifurcatum*			•	•	•	
	Polypodiaceae	*Pyrrosia rupestris*				•	•	
	Pteridaceae	*Cheilanthes distans*					•	
	Pteridaceae	*Cheilanthes sieberi*						•
	Pteridaceae	*Pteris tremula*				•	•	
	Schizaeaceae	*Schizaea bifida*			•	•	•	•
	Schizaeaceae	*Schizaea dichotoma*				•		
DICOTS	Acanthaceae	*Pseuderanthemum variabile*				•	•	
	Amaranthaceae	*Alternanthera denticulata*				•		•

	Apiaceae	*Actinotus helianthi*		•	•	•	•	
	Apiaceae	*Actinotus minor*		•	•	•	•	
	Apiaceae	*Apium graveolens*				•		•
	Apiaceae	*Centella asiatica*		•		•	•	
	Apiaceae	*Hydrocotyle peduncularis*					•	
	Apiaceae	*Platysace linearifolia*		•	•	•	•	
	Apiaceae	*Xanthosia pilosa*		•	•	•	•	
	Apiaceae	*Xanthosia tridentata*		•	•	•	•	
	Apocynaceae	*Parsonsia straminea*					•	
	Araliaceae	*Polyscias sambucifolia*			•	•	•	
	Asclepiadaceae	*Marsdenia suaveolens*		•	•	•	•	
	Asteraceae	*Aster subulatus*				•		•
	Asteraceae	*Cassinia denticulata*		•	•	•		
	Asteraceae	*Cotula coronopifolia*				•		•
	Asteraceae	*Ozothamnus diosmifolium*				•	•	
	Bignoniaceae	*Pandorea pandorana*				•	•	
	Campanulaceae	*Wahlenbergia gracilis*				•		
	Cassythaceae	*Cassytha glabella*			•	•	•	
	Casuarinaceae	*Allocasuarina distyla*		•		•		
	Casuarinaceae	*Allocasuarina littoralis*	•		•	•	•	
	Casuarinaceae	*Allocasuarina littoralis x distyla*			•	•		
	Casuarinaceae	*Casuarina glauca*				•	•	
	Chenopodiaceae	*Atriplex australasica*						•
	Convolvulaceae	*Dichondra repens*			•	•		
	Cunoniaceae	*Bauera rubioides*		•	•	•	•	
	Cunoniaceae	*Callicoma serratifolia*			•	•	•	
	Cunoniaceae	*Ceratopetalum apetalum*					•	
	Cunoniaceae	*Ceratopetalum gummiferum*			•	•	•	
	Dilleniaceae	*Hibbertia empetrifolia*			•	•		
	Dilleniaceae	*Hibbertia linearis*			•	•		
	Droseraceae	*Drosera auriculata*					•	

	Elaeocarpaceae	*Elaeocarpus reticulatus*	•	•	•	•	•	
	Ericaceae Styphelioideae	*Brachyloma daphnoides*				•		
	Ericaceae Styphelioideae	*Epacris longiflora*		•	•	•		
	Ericaceae Styphelioideae	*Epacris microphylla*			•	•		
	Ericaceae Styphelioideae	*Epacris pulchella*		•	•	•		
	Ericaceae Styphelioideae	*Leucopogon amplexicaulis*		•	•	•	•	
	Ericaceae Styphelioideae	*Leucopogon ericoides*		•		•		
	Ericaceae Styphelioideae	*Leucopogon microphyllus*			•	•	•	
	Ericaceae Styphelioideae	*Monotoca scoparia*				•	•	
	Ericaceae Styphelioideae	*Styphelia longifolia*				•	•	
	Ericaceae Styphelioideae	*Styphelia tubiflora*				•	•	
	Ericaceae Styphelioideae	*Woollsia pungens*		•	•	•	•	
	Euphorbiaceae	*Breynia oblongifolia*			•	•	•	
	Euphorbiaceae	*Glochidion ferdinandi*	•	•	•	•	•	
	Euphorbiaceae	*Micrantheum ericoides*		•	•	•	•	
	Euphorbiaceae	*Omalanthus populifolius*		•	•	•	•	
	Euphorbiaceae	*Phyllanthus gastroemii*				•	•	
	Euphorbiaceae	*Phyllanthus hirtellus (syn. P. thymoides)*	•	•	•	•	•	
	Euphorbiaceae	*Poranthera microphylla*				•		
	Euphorbiaceae	*Ricinocarpos pinifolius*				•		
	Fabaceae Faboideae	*Bossiaea ensata*			•	•		
	Fabaceae Faboideae	*Bossiaea heterophylla*			•	•		
	Fabaceae Faboideae	*Bossiaea scolopendria*			•	•		
	Fabaceae Faboideae	*Desmodium varians*			•	•	•	
	Fabaceae Faboideae	*Dillwynia retorta*		•	•	•	•	
	Fabaceae Faboideae	*Glycine clandestina*	•			•	•	
	Fabaceae Faboideae	*Gompholobium glabratum*			•	•		
	Fabaceae Faboideae	*Gompholobium latifolium*				•	•	
	Fabaceae Faboideae	*Hardenbergia violacea*		•	•	•		
	Fabaceae Faboideae	*Hovea linearis*	•		•	•		
	Fabaceae Faboideae	*Hovea purpurea*				•	•	

	Fabaceae Faboideae	*Kennedia rubicunda*				•		
	Fabaceae Faboideae	*Mirbelia rubiifolia*				•	•	
	Fabaceae Faboideae	*Phyllota phylicoides*		•	•	•		
	Fabaceae Faboideae	*Platylobium formosum ssp formosum*				•	•	
	Fabaceae Faboideae	*Pultenaea daphnoides*			•	•	•	
	Fabaceae Faboideae	*Pultenaea elliptica*			•	•	•	
	Fabaceae Faboideae	*Pultenaea flexilis*				•	•	
	Fabaceae Faboideae	*Pultenaea polifolia*			•	•	•	
	Fabaceae Faboideae	*Pultenaea stipularis*		•	•	•	•	
	Fabaceae Faboideae	*Viminaria juncea*		•		•		
	Fabaceae-Mimosoideae	*Acacia linifolia*	•	•	•	•	•	
	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*		•	•	•		
	Fabaceae-Mimosoideae	*Acacia longissima*					•	
	Fabaceae-Mimosoideae	*Acacia myrtifolia*			•	•		
	Fabaceae-Mimosoideae	*Acacia parramattensis*			•	•		
	Fabaceae-Mimosoideae	*Acacia suaveolens*	•	•	•	•	•	
	Fabaceae-Mimosoideae	*Acacia terminalis*			•	•	•	
	Fabaceae-Mimosoideae	*Acacia ulicifolia*		•	•	•	•	
	Geraniaceae	*Geraneum homeanum*				•		
	Goodeniaceae	*Dampiera stricta*	•		•	•	•	
	Goodeniaceae	*Goodenia bellidifolia*			•	•		
	Goodeniaceae	*Goodenia heterophylla*	•		•	•	•	
	Goodeniaceae	*Scaevola ramosissima*		•	•	•		
	Haloragaceae	*Gonocarpus teucrioides*			•	•	•	
	Haloragaceae	*Haloragis heterophylla*		•		•		
	Lamiaceae	*Hemigenia pupurea*			•	•		
	Lobeliaceae	*Lobelia alata*				•		•
	Lobeliaceae	*Pratia purpurascens*				•		
	Loganiaceae	*Logania albiflora*				•	•	
	Loganiaceae	*Mitrasacme polymorpha*	•		•	•		
	Moraceae	*Ficus rubiginosa*		•	•	•	•	

	Myrsinaceae	*Myrsine (Rapanea) variabilis*				•	•	
	Myrtaceae	*Acmena smithii*			•	•	•	
	Myrtaceae	*Angophora bakeri*			•	•		
	Myrtaceae	*Angophora costata*	•	•	•	•	•	
	Myrtaceae	*Angophora hispida*		•	•	•	•	
	Myrtaceae	*Backhousia myrtifolia*				•	•	
	Myrtaceae	*Corymbia gummifera*	•	•	•	•	•	
	Myrtaceae	*Eucalyptus globoidea*	•					
	Myrtaceae	*Eucalyptus haemastoma*	•	•	•	•	•	
	Myrtaceae	*Eucalyptus piperita*		•	•	•	•	
	Myrtaceae	*Eucalyptus punctata*	•	•	•	•	•	
	Myrtaceae	*Eucalyptus resinifera*				•	•	
	Myrtaceae	*Eucalyptus sieberi*		•	•	•	•	
	Myrtaceae	*Kunzea ambigua*	•	•	•	•	•	
	Myrtaceae	*Leptospermum arachnoides*		•		•		
	Myrtaceae	*Leptospermum polygalifolium*				•	•	
	Myrtaceae	*Leptospermum trinervium*		•	•	•	•	
	Myrtaceae	*Tristaniopsis laurina*					•	
	Oleaceae	*Notelaea longifolia*			•	•	•	
	Oleaceae	*Notelaea venosa*				•	•	
	Oleaceae	*Tristaniopsis laurina*				•		
	Oxalidaceae	*Oxalis corniculata*				•	•	
	Pittosporaceae	*Billardiera scandens*		•	•	•	•	
	Pittosporaceae	*Pittosporum undulatum*	•	•	•	•	•	
	Polygalaceae	*Comesperma ericinum*			•	•		
	Primulaceae	*Samolus repens*				•		•
	Proteaceae	*Banksia ericifolia*		•	•	•	•	
	Proteaceae	*Banksia integrifolia*		•	•	•		
	Proteaceae	*Banksia marginata*		•	•	•	•	
	Proteaceae	*Banksia oblongifolia*			•	•	•	
	Proteaceae	*Banksia serrata*		•	•	•	•	

	Proteaceae	*Banksia spinulosa*				•	•	
	Proteaceae	*Conospermum longifolium*		•	•	•		
	Proteaceae	*Grevillea buxifolia*		•	•	•	•	
	Proteaceae	*Grevillea linearifolia*		•	•	•	•	
	Proteaceae	*Grevillea sericea*		•		•		
	Proteaceae	*Grevillea speciosa*		•	•	•		
	Proteaceae	*Hakea dactyloides*	•	•	•	•	•	
	Proteaceae	*Hakea gibbosa*		•	•	•	•	
	Proteaceae	*Hakea sericea*				•	•	
	Proteaceae	*Hakea silaifolia*				•		
	Proteaceae	*Hakea teretifolia*	•	•	•			
	Proteaceae	*Isopogon anethifolius*		•		•		
	Proteaceae	*Lambertia formosa*	•	•	•	•	•	
	Proteaceae	*Lomatia myricoides*				•	•	
	Proteaceae	*Lomatia silaifolia*		•	•	•	•	
	Proteaceae	*Persoonia lanceolata*		•		•	•	
	Proteaceae	*Persoonia levis*		•	•	•	•	
	Proteaceae	*Persoonia pinifolia*		•	•	•	•	
	Proteaceae	*Petrophile pulchella*			•	•		
	Proteaceae	*Telopea speciosissima*				•		
	Proteaceae	*Xylomelum pyriforme*			•	•		
	Ranunculaceae	*Clematis aristata*				•		
	Rhamnaceae	*Pomaderris ferruginea*			•	•		
	Rhamnaceae	*Pomaderris intermedia*				•	•	
	Rhamnaceae	*Pomaderris lanigera*				•	•	
	Rhamnaceae	*Pomaderris spp.*		•				
	Rubiaceae	*Opercularia aspera*		•	•	•	•	
	Rubiaceae	*Pomax umbellata*			•	•	•	
	Rutaceae	*Boronia ledifolia*			•	•	•	
	Rutaceae	*Boronia pinnata*		•	•	•		
	Rutaceae	*Crowea saligna*	•	•	•	•	•	

	Rutaceae	*Phebalium dentatum*		•	•	•	•	
	Rutaceae	*Phebalium squameum*				•		
	Rutaceae	*Phebalium squamulosum ssp squamulosum*					•	
	Rutaceae	*Zieria pilosa*			•	•	•	
	Rutaceae	*Zieria smithii*		•		•		
	Sapindaceae	*Dodonaea triquetra*	•	•	•	•	•	
	Scrophulariaceae	*Veronica plebeia*				•	•	
	Stackhousiaceae	*Stackhousia viminea*					•	
	Sterculiaceae	*Lasiopetalum ferrugineum var. ferrugineum*		•	•	•	•	
	Stylidiaceae	*Stylidium productum*					•	
	Stylidiaceae	*Stylidium graminifolium*		•		•		
	Stylidiaceae	*Stylidium laricifolium*			•	•		
	Stylidiaceae	*Stylidium lineare*			•	•		
	Stylidiaceae	*Stylidium productum*				•		
	Thymeliaceae	*Pimelea linifolia*			•	•	•	
	Tremandraceae	*Tetratheca ericifolia*		•	•	•		
	Verbenaceae	*Avicennia marina var. australasica*			•	•		
	Verbenaceae	*Chloanthes stoechadis*				•		
	Violaceae	*Hybanthus vernonii*			•	•		
	Violaceae	*Viola hederacea*			•	•		
	Vitaceae	*Cayratia clematidea*				•	•	
	Vitaceae	*Cissus hypoglauca*			•	•	•	
MONOCOTS	Anthericaceae	*Thysanotus tuberosus*			•	•		
	Anthericaceae	*Tricoryne elatior*			•	•		
	Blandfordiaceae	*Blandfordia nobilis*		•	•	•		
	Colchicaceae	*Burchardia umbellata*				•		
	Commelinaceae	*Commelina cyanea*	•	•		•	•	
	Cyperaceae	*Carex inversa*						
	Cyperaceae	*Caustis flexuosa*		•	•	•	•	
	Cyperaceae	*Caustis pentandra*			•	•		

	Cyperaceae	*Cyathochaeta diandra*					•	
	Cyperaceae	*Cyperus laevis*						•
	Cyperaceae	*Gahnia melanocarpa*				•	•	
	Cyperaceae	*Gahnia spp.*		•			•	
	Cyperaceae	*Lepidosperma elatius*				•	•	
	Cyperaceae	*Lepidosperma laterale*	•	•	•	•	•	
	Cyperaceae	*Lepidosperma limicola*			•	•		
	Cyperaceae	*Schoenus melanostachys*			•	•	•	
	Cyperaceae	*Schoenus paludosus*					•	
	Cyperaceae	*Schoenus turbinatus*			•	•		
	Iridaceae	*Patersonia glabrata*		•		•	•	
	Iridaceae	*Patersonia sericea*		•	•	•		
	Juncaceae	*Juncus kraussii var australiensis*				•		•
	Juncaginaceae	*Triglochin striata*						•
	Lomandraceae	*Lomandra glauca*		•	•	•	•	
	Lomandraceae	*Lomandra gracilis*			•	•	•	
	Lomandraceae	*Lomandra longifolia*		•	•	•	•	
	Lomandraceae	*Lomandra obliqua*		•	•	•	•	
	Luzuriagaceae	*Eustrephus latifolius*					•	
	Orchidaceae	*Acianthus fornicatus*				•	•	
	Orchidaceae	*Cryptostylis erecta*		•	•	•	•	
	Orchidaceae	*Dipodium punctatum*			•	•		
	Orchidaceae	*Pterostylis nutans*				•	•	
	Philesiaceae	*Geitonoplesium cymosum*					•	
	Phormiaceae	*Dianella caerulea var caerulea*	•	•	•	•	•	
	Poaceae	*Aristida vagans*			•	•		
	Poaceae	*Danthonia purpurascens*			•			
	Poaceae	*Danthonia sp.*				•		
	Poaceae	*Echinopogon caespitosus*				•	•	
	Poaceae	*Entolasia marginata*				•		
	Poaceae	*Entolasia stricta*		•	•	•	•	

	Poaceae	*Eragrostis trachycarpa*			•	•		
	Poaceae	*Imperata cylindrica*		•		•	•	
	Poaceae	*Microlaena stipoides*			•	•		
	Poaceae	*Oplismenus aemulus*			•	•		
	Poaceae	*Oplismenus imbecillis*		•		•		
	Poaceae	*Panicum effusum*				•		
	Poaceae	*Panicum simile*			•	•		
	Poaceae	*Paspalidium aversum*			•	•		
	Poaceae	*Sporobolus virginicus var minor*				•		•
	Poaceae	*Stipa pubescens*			•	•		
	Poaceae	*Tetrarrhena juncea*			•	•		
	Poaceae	*Themeda australis*		•	•	•		
	Restionaceae	*Empodisma minus*			•	•	•	
	Restionaceae	*Lepyrodia scariosa*		•		•		
	Smilacaceae	*Smilax australis*				•	•	
	Smilacaceae	*Smilax glyciphylla*		•	•	•	•	
	Typhaceae	*Typha spp.*					•	•
	Xanthorrhoeaceae	*Xanthorrhoea arborea*		•	•	•	•	
	Xanthorrhoeaceae	*Xanthorrhoea media ssp. media*	•	•	•		•	

5.11.2 Aboriginal Archaeological Site Information

Archaeological evidence of Aboriginal occupation of the area surrounding the reserve has been dated to 4,500 years. BP. Archaeological surveys in the reserve have recorded 30 sites that range from open middens, rock shelters with deposits, potential habitation sites and isolated stone artefacts.

Harold Reid Reserve		
AHO#	**AHIMS#**	**Site Type**
WILL-116	45-6-2690	Shelter Midden
WILL-117	45-6-2691	Shelter Midden
WILL-118	45-6-2692	Midden
WILL-119	45-6-2693	Midden

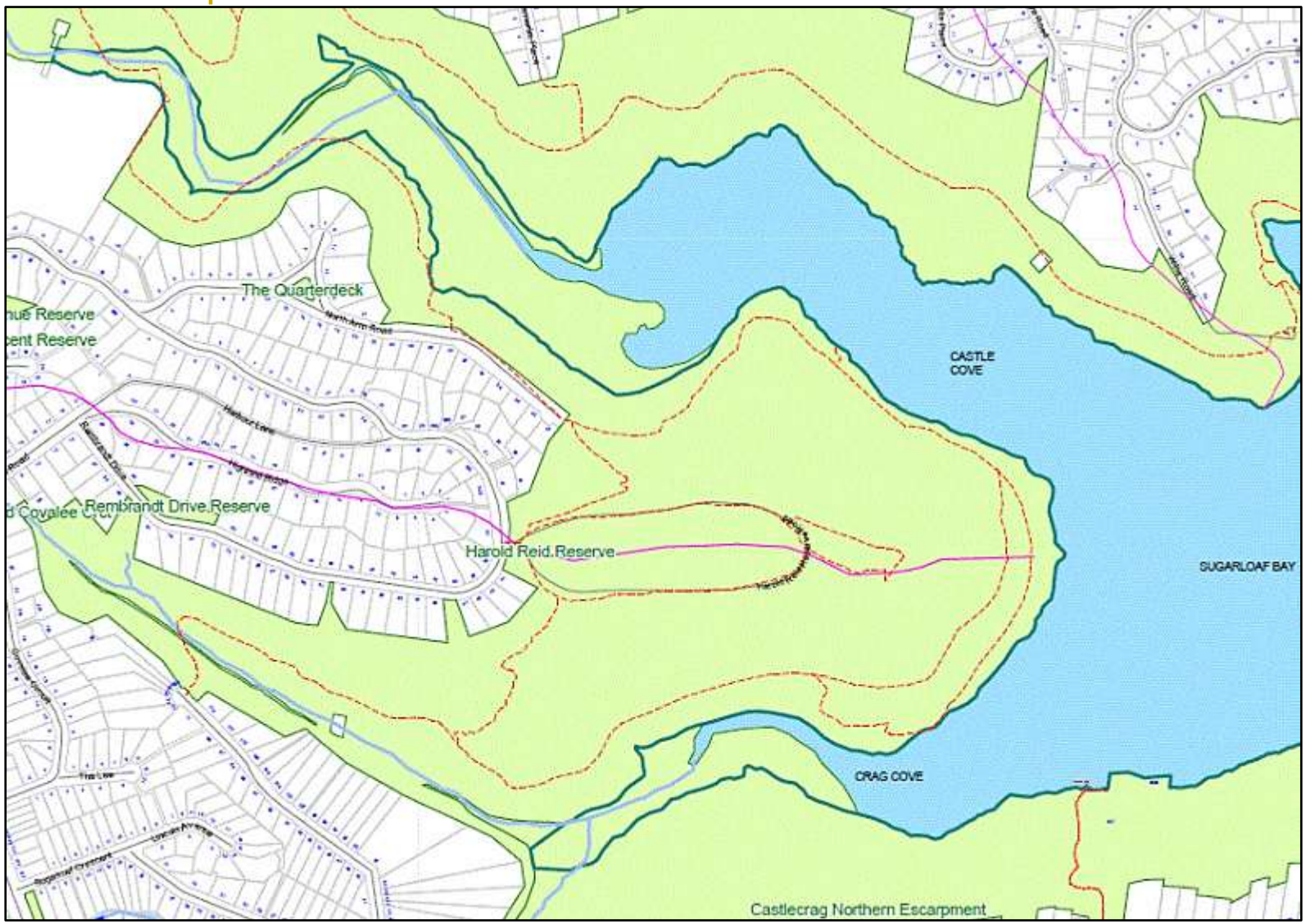
WILL-120	45-6-2694	Shelter Midden
WILL-121	45-6-2695	Shelter Midden
WILL-122	45-6-2696	Midden
WILL-123	45-6-2697	Shelter Midden
WILL-124	45-6-2698	Midden
WILL-125	45-6-2699	Midden
WILL-126	45-6-2700	Midden
WILL-127	45-6-2701	Midden
WILL-128	45-6-2734	Midden
WILL-129	45-6-2702	Midden
WILL-130	45-6-2703	Shelter Midden
WILL-131	45-6-2704	Midden
WILL-132	45-6-2705	Midden
WILL-133	45-6-2706	Shelter Midden
WILL-134	45-6-2707	Shelter Midden
WILL-135	45-6-2708	Shelter Midden
WILL-136	45-6-2709	Shelter Midden
WILL-137	45-6-2710	Shelter PAD
WILL-138	45-6-2711	Shelter PAD
WILL-139	45-6-2712	Shelter PAD
WILL-140	45-6-2713	Shelter PAD
WILL-141	45-6-2714	Shelter PAD
WILL-142	45-6-2715	Shelter PAD
WILL-143	45-6-2716	Shelter PAD
WILL-154	45-6-2726	Fish Trap
WILL-160	45-6-2846	Isolated Find

5.11.3 Reserve Assets

Reserve Name	Asset Type	Asset Description	Material Description	Quantity	Comments
Harold Reid Reserve	Artwork	N/A	N/A	2	Sandstone bowl
Harold Reid Reserve	Artwork	No concrete base	Natural Log		Goanna bench
Harold Reid Reserve	BBQ	Electric Double plate	Brick		3 x BBQ brick with tile bench
Harold Reid Reserve	Bench	N/A	Natural Log		Slabbed log
Harold Reid Reserve	Bench	No concrete base	Natural Log		Slab Bench
Harold Reid Reserve	Bench	No concrete base	Natural Log		Slab and back and 4 legs
Harold Reid Reserve	Bench	No concrete base	Natural Log		Slab 2 x 1
Harold Reid Reserve	Bench	No concrete base	Natural Log	4	Slab
Harold Reid Reserve	Bench	No concrete base	Timber		Slab table and benches
Harold Reid Reserve	Bin	N/A	Plastic	5	Bin with stand
Harold Reid Reserve	Bubbler	N/A	Metal		Water tap and bubbler
Harold Reid Reserve	Bubbler	N/A	N/A		Water tap and water meter
Harold Reid Reserve	Fence	General Fencing	Chain Mesh		Safety fencing - drop-off
Harold Reid Reserve	Fence	General Fencing	Treated Pine		Rounds, one rail
Harold Reid Reserve	Fence	Other	Metal		Swing arm gate
Harold Reid Reserve	Gazebo/Shelter	Picnic setting shelter	Timber/Metal		Shelter with concrete base
Harold Reid Reserve	Irrigation	N/A	Metal		Water tap (rusty)
Harold Reid Reserve	Irrigation	N/A	N/A		Tap and water meter
Harold Reid Reserve	Other	Concrete base	Metal		Caged gas stand
Harold Reid Reserve	Other	N/A	Plastic		Portable toilet - Hire
Harold Reid Reserve	Other	No concrete base	Metal		Single stainless steel curved bike stand
Harold Reid Reserve	Picnic Setting	Concrete base	Concrete	2	Moulded oval
Harold Reid Reserve	Picnic Setting	No concrete base	Natural Log		Timber slab table and benches with sandstone flagging base
Harold Reid Reserve	Picnic Setting	No concrete base	Natural Log		Slab
Harold Reid reserve	Plaque	Other	N/A		Sandstone rubble plinth with 2 plaques: bronze map and Harold James Reid

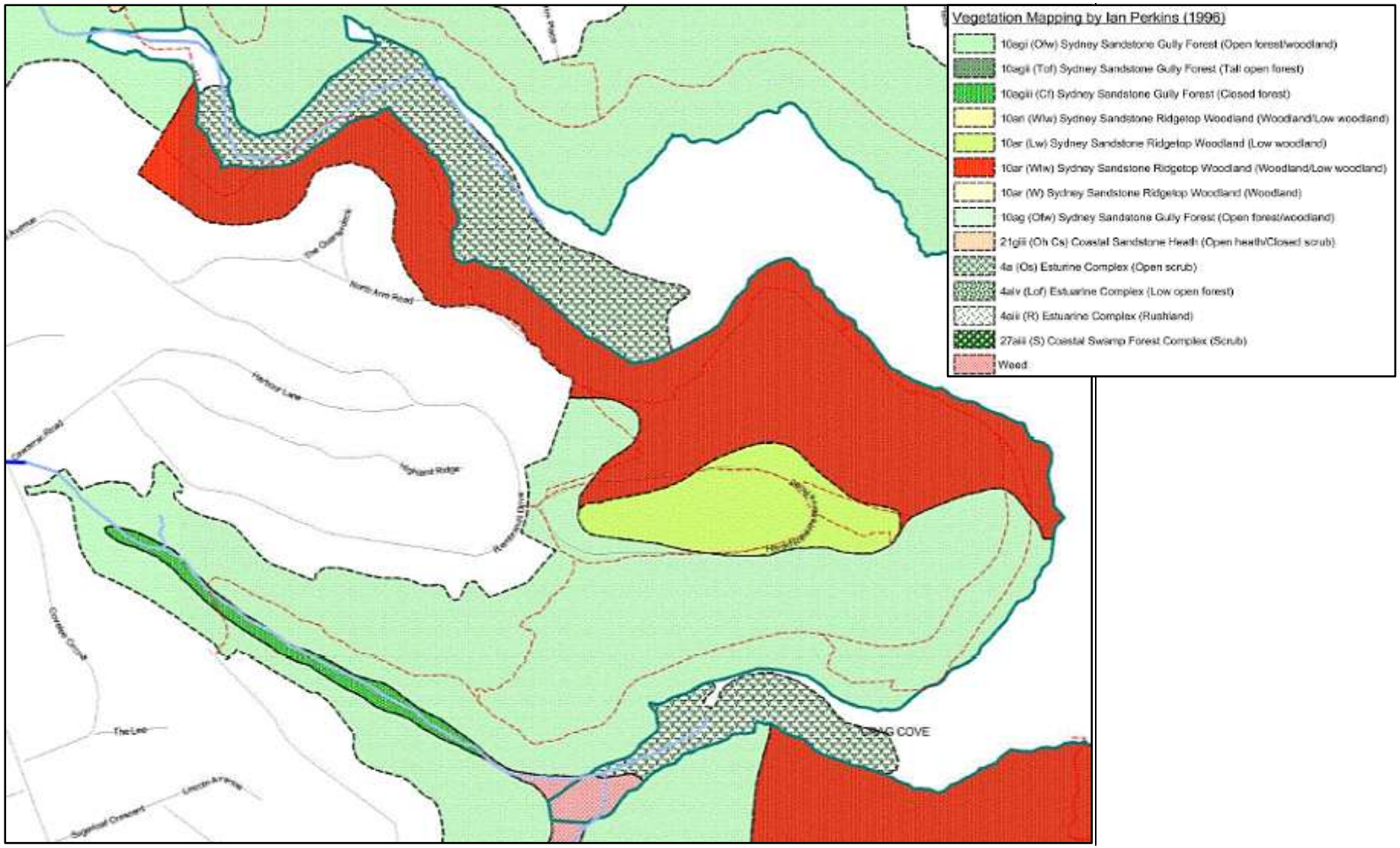
Harold Reid Reserve	Plaque	Other	Metal		On Bench (Brian Gordon Wray)
Harold Reid Reserve	Plaque	Other	N/A		On Bench
Harold Reid Reserve	Plaque	Other	N/A		On Bench (Yvonne Margaret Carfrae)
Harold Reid Reserve	Sign	General	Metal	3	Total Fire Ban
Harold Reid Reserve	Sign	General	Metal	4	Wildlife Protection Area
Harold Reid Reserve	Sign	General	Metal		Interpretive - Short-beaked Echidna
Harold Reid Reserve	Sign	General	Metal		Interpretive - Fire Ecology
Harold Reid Reserve	Sign	General	Metal		Interpretive - Red Crowned Toadlet
Harold Reid Reserve	Sign	General	Metal		Speed hump - 20km/h sign
Harold Reid Reserve	Sign	General	Metal		Reserve closes 5.30pm everyday
Harold Reid Reserve	Sign	General	Timber		Painted panel sign on sandstone wall Harold Reid Reserve
Harold Reid Reserve	Sign	General	Timber		Painted panel sign on sandstone wall with WCC symbol
Harold Reid Reserve	Sign	General	Timber/Metal		Reserve Map (Timber Frame)
Harold Reid Reserve	Sign	Name	Timber/Metal	2	Two Posts
Harold Reid Reserve	Sign	Name	Timber/Metal	3	Welcome to Harold Reid foreshore track - etched sign on timber frame
Harold Reid Reserve	Sign	Regulatory	Metal	2	Triangular

5.11.4 Maps

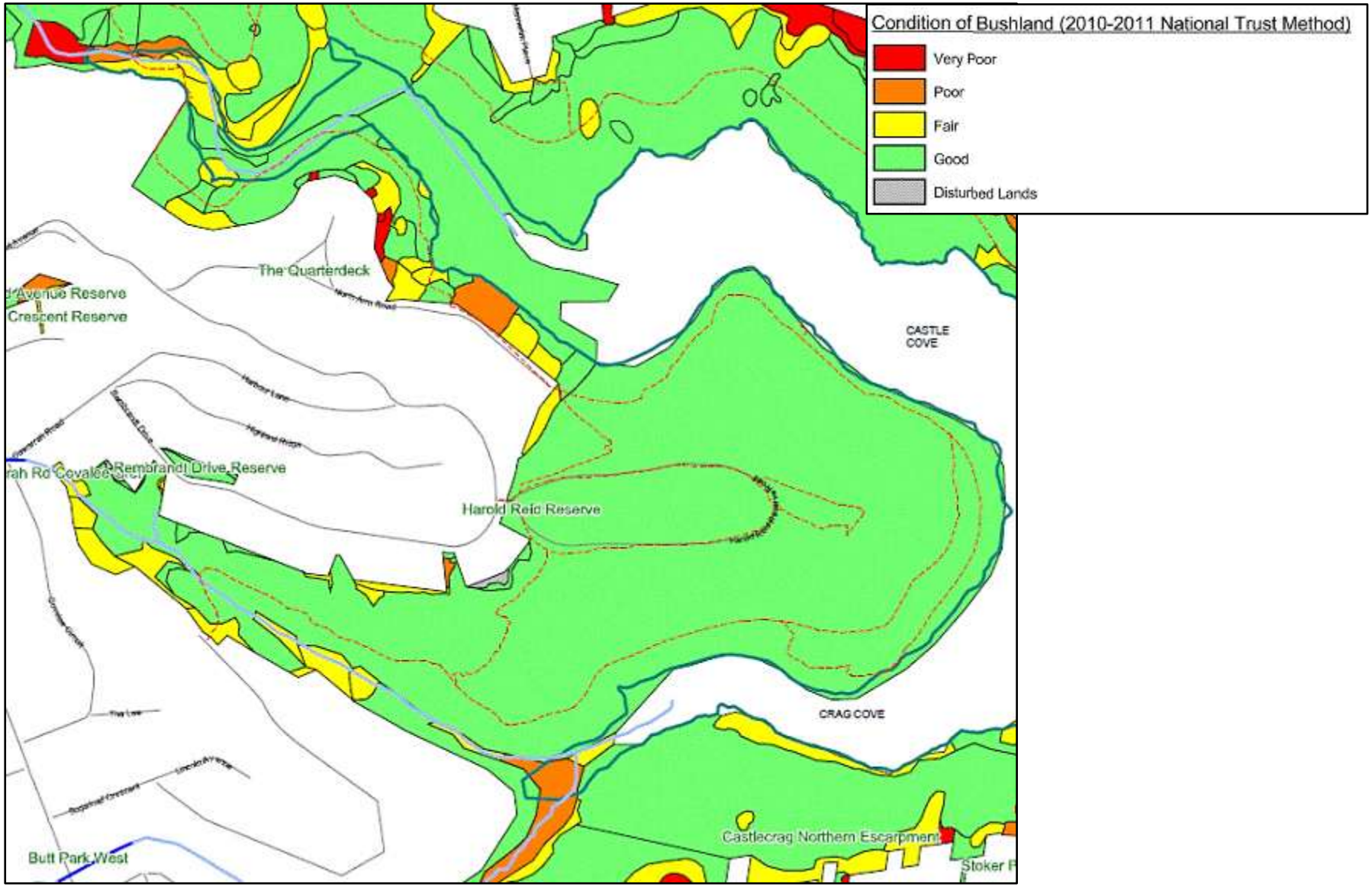


Harold Reid Reserve Group Outline

Harold Reid Reserve Group Outline Aerial



Harold Reid Reserve Group Native Vegetation Communities



Harold Reid Reserve Group Bushland Condition Rating 2010 – 2011

5.12 H.D. Robb Reserve

H.D. Robb Reserve is a long linear bushland reserve on the northern side of the Castle Cove peninsula. It is 200 meters wide on average, running east west and covering approximately 20.5 hectares. Its setting in the upper reaches of Middle Harbour makes H.D. Robb a visually attractive reserve with spectacular panoramic views of Middle Harbour. It is bordered on the west by Ku-ring-gai Council and Explosives Reserve to the east. Houses and streets of the suburb of Castle Cove are on the high southern side and the bushland slopes to the waters of Middle Harbour to the north.
H.D. Robb Reserve is located in the Middle Harbour Watershed catchment area.

5.12.1 Native Plant Species List

H.D. Robb Reserve		
	Family	**Genus-species**
FORK FERNS	Psilotaceae	*Psilotum nudum*
CONIFERS	Podocarpaceae	*Podocarpus spinulosus*
FERNS	Adiantaceae	*Adiantum aethiopicum*
	Cyatheaceae	*Cyathea australis*
	Cyatheaceae	*Cyathea cooperi*
	Davalliaceae	*Davallia pyxidata*
	Dennstaedtiaceae	*Pteridium esculentum*
	Dicksoniaceae	*Calochlaena dubia*
	Gleicheniaceae	*Gleichenia dicarpa*
	Gleicheniaceae	*Gleichenia microphylla*
	Gleicheniaceae	*Sticherus flabellatus*
	Thelypteridaceae	*Christella dentata*
DICOTS	Acanthaceae	*Pseuderanthemum variabile*
	Aizoaceae	*Tetragonia tetragonioides*
	Apiaceae	*Actinotus helianthi*
	Apiaceae	*Actinotus minor*
	Apiaceae	*Centella asiatica*

	Apiaceae	*Platysace linearifolia*
	Apiaceae	*Xanthosia pilosa*
	Apiaceae	*Xanthosia tridentata*
	Apocynaceae	*Parsonsia straminea*
	Araliaceae	*Polyscias sambucifolia*
	Asteraceae	*Ozothamnus diosmifolium*
	Asteraceae	*Sigesbeckia orientalis*
	Bignoniaceae	*Pandorea pandorana*
	Campanulaceae	*Wahlenbergia gracilis*
	Casuarinaceae	*Allocasuarina distyla*
	Casuarinaceae	*Allocasuarina littoralis*
	Convolvulaceae	*Dichondra repens*
	Cunoniaceae	*Bauera rubioides*
	Cunoniaceae	*Callicoma serratifolia*
	Cunoniaceae	*Ceratopetalum gummiferum*
	Dilleniaceae	*Hibbertia aspera*
	Dilleniaceae	*Hibbertia dentata*
	Elaeocarpaceae	*Elaeocarpus reticulatus*
	Ericaceae Styphelioideae	*Leucopogon amplexicaulis*
	Euphorbiaceae	*Breynia oblongifolia*
	Euphorbiaceae	*Glochidion ferdinandi*
	Euphorbiaceae	*Micrantheum ericoides*
	Euphorbiaceae	*Omalanthus populifolius*
	Euphorbiaceae	*Phyllanthus hirtellus (syn. P. thymoides)*
	Fabaceae Faboideae	*Bossiaea heterophylla*
	Fabaceae Faboideae	*Glycine clandestina*
	Fabaceae Faboideae	*Kennedia rubicunda*
	Fabaceae Faboideae	*Phyllota phylicoides*
	Fabaceae Faboideae	*Platylobium formosum ssp formosum*
	Fabaceae Faboideae	*Pultenaea daphnoides*
	Fabaceae Faboideae	*Pultenaea flexilis*
	Fabaceae Faboideae	*Pultenaea stipularis*
	Fabaceae-Mimosoideae	*Acacia linifolia*
	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*

	Fabaceae-Mimosoideae	*Acacia myrtifolia*
	Fabaceae-Mimosoideae	*Acacia suaveolens*
	Fabaceae-Mimosoideae	*Acacia terminalis*
	Fabaceae-Mimosoideae	*Acacia ulicifolia*
	Goodeniaceae	*Goodenia sp*
	Haloragaceae	*Gonocarpus teucrioides*
	Lobeliaceae	*Lobelia gracilis*
	Lobeliaceae	*Pratia purpurascens*
	Menispermaceae	*Stephania japonica*
	Moraceae	*Ficus rubiginosa*
	Myrtaceae	*Angophora costata*
	Myrtaceae	*Corymbia gummifera*
	Myrtaceae	*Eucalyptus piperita*
	Myrtaceae	*Eucalyptus punctata*
	Myrtaceae	*Eucalyptus sieberi*
	Myrtaceae	*Kunzea ambigua*
	Myrtaceae	*Leptospermum trinervium*
	Oleaceae	*Notelaea longifolia*
	Pittosporaceae	*Billardiera scandens*
	Pittosporaceae	*Pittosporum revolutum*
	Pittosporaceae	*Pittosporum undulatum*
	Proteaceae	*Banksia ericifolia*
	Proteaceae	*Banksia integrifolia*
	Proteaceae	*Banksia serrata*
	Proteaceae	*Grevillea buxifolia*
	Proteaceae	*Grevillea linearifolia*
	Proteaceae	*Hakea dactyloides*
	Proteaceae	*Hakea gibbosa*
	Proteaceae	*Lambertia formosa*
	Proteaceae	*Lomatia silaifolia*
	Proteaceae	*Persoonia laurina*
	Proteaceae	*Persoonia levis*
	Ranunculaceae	*Clematis aristata*
	Rubiaceae	*Morinda jasminoides*

	Rubiaceae	*Opercularia aspera*
	Rubiaceae	*Pomax umbellata*
	Rutaceae	*Crowea saligna*
	Rutaceae	*Zieria smithii*
	Sapindaceae	*Dodonaea triquetra*
	Scrophulariaceae	*Veronica plebeia*
	Sterculiaceae	*Lasiopetalum ferrugineum var. ferrugineum*
	Thymeliaceae	*Pimelea linifolia*
	Violaceae	*Viola hederacea*
	Vitaceae	*Cissus antarctica*
	Vitaceae	*Cissus hypoglauca*
MONOCOTS	Commelinaceae	*Commelina cyanea*
	Cyperaceae	*Caustis flexuosa*
	Cyperaceae	*Gahnia spp.*
	Cyperaceae	*Isolepis nodosus*
	Cyperaceae	*Lepidosperma laterale*
	Cyperaceae	*Schoenus melanostachys*
	Lomandraceae	*Lomandra cylindrica*
	Lomandraceae	*Lomandra filiformis ssp filiformis*
	Lomandraceae	*Lomandra gracilis*
	Lomandraceae	*Lomandra longifolia*
	Lomandraceae	*Lomandra obliqua*
	Luzuriagaceae	*Eustrephus latifolius*
	Orchidaceae	*Cryptostylis erecta*
	Orchidaceae	*Dendrobium linguiforme*
	Phormiaceae	*Dianella caerulea var caerulea*
	Phormiaceae	*Dianella revoluta*
	Poaceae	*Aristida vagans*
	Poaceae	*Danthonia sp.*
	Poaceae	*Dichelachne crinita*
	Poaceae	*Digitaria parviflora*
	Poaceae	*Echinopogon caespitosus*
	Poaceae	*Entolasia marginata*

	Poaceae	*Entolasia stricta*
	Poaceae	*Imperata cylindrica*
	Poaceae	*Microlaena stipoides*
	Poaceae	*Oplismenus aemulus*
	Poaceae	*Oplismenus imbecillis*
	Poaceae	*Paspalidium distans*
	Poaceae	*Phragmites australis*
	Poaceae	*Poa affinis*
	Poaceae	*Stipa pubescens*
	Poaceae	*Themeda australis*
	Smilacaceae	*Smilax glyciphylla*
	Xanthorrhoeaceae	*Xanthorrhoea arborea*
	Xanthorrhoeaceae	*Xanthorrhoea resinosa*

5.12.2 Aboriginal Archaeological Site Information

The steep topography combined with thick vegetation and sandstone geology protects numerous Aboriginal archaeological sites, making it a reserve with high cultural significance.

H.D. Robb Reserve			
AHO#	**AHIMS#**	**Site Type**	**Site Type 2**
WILL-020	45-6-0679	Midden	
WILL-031	45-6-1133	Midden	
WILL-032	45-6-1138	Engraving	
WILL-033	45-6-1139	Midden	
WILL-053	45-6-2093	Midden	
WILL-057	45-6-2139	Shelter Midden	
WILL-058	45-6-2140	Shelter Midden	
WILL-060	45-6-2164	Shelter Midden	
WILL-061	45-6-2165	Midden	
WILL-063	45-6-2166	Midden	
WILL-070	45-6-2371	Shelter Midden	

WILL-071	45-6-2374	Shelter Midden	
WILL-072	45-6-2375	Shelter Midden	
WILL-073	45-6-2376	Midden	
WILL-094	45-6-1036	Midden	
WILL-095	45-6-1049	Shelter Art	
WILL-099	45-6-1128	Shelter Midden	
WILL-100	45-6-1129	Midden	
WILL-101	45-6-1130	Midden	
WILL-102	45-6-1131	Shelter Midden	
WILL-103	45-6-1132	Shelter Midden	
WILL-104	45-6-1134	Shelter Midden	
WILL-105	45-6-1135	Shelter Midden	
WILL-106	45-6-1136	Midden	
WILL-107	45-6-1140	Midden	
WILL-112	45-6-2733	Midden	
WILL-149	45-6-2721	Shelter Midden	
WILL-150	45-6-2722	Shelter Midden	
WILL-151	45-6-2723	Shelter PAD	
WILL-152	45-6-2724	Shelter PAD	
WILL-156	45-6-2728	Midden	
WILL-157	45-6-2729	Shelter Midden	
WILL-158	45-6-2730	Waterhole	
WILL-159	45-6-2731	Shelter	
WILL-165	45-6-2914	Shelter Art	Shelter Midden
WILL-183	45-6-new	Shelter Midden	

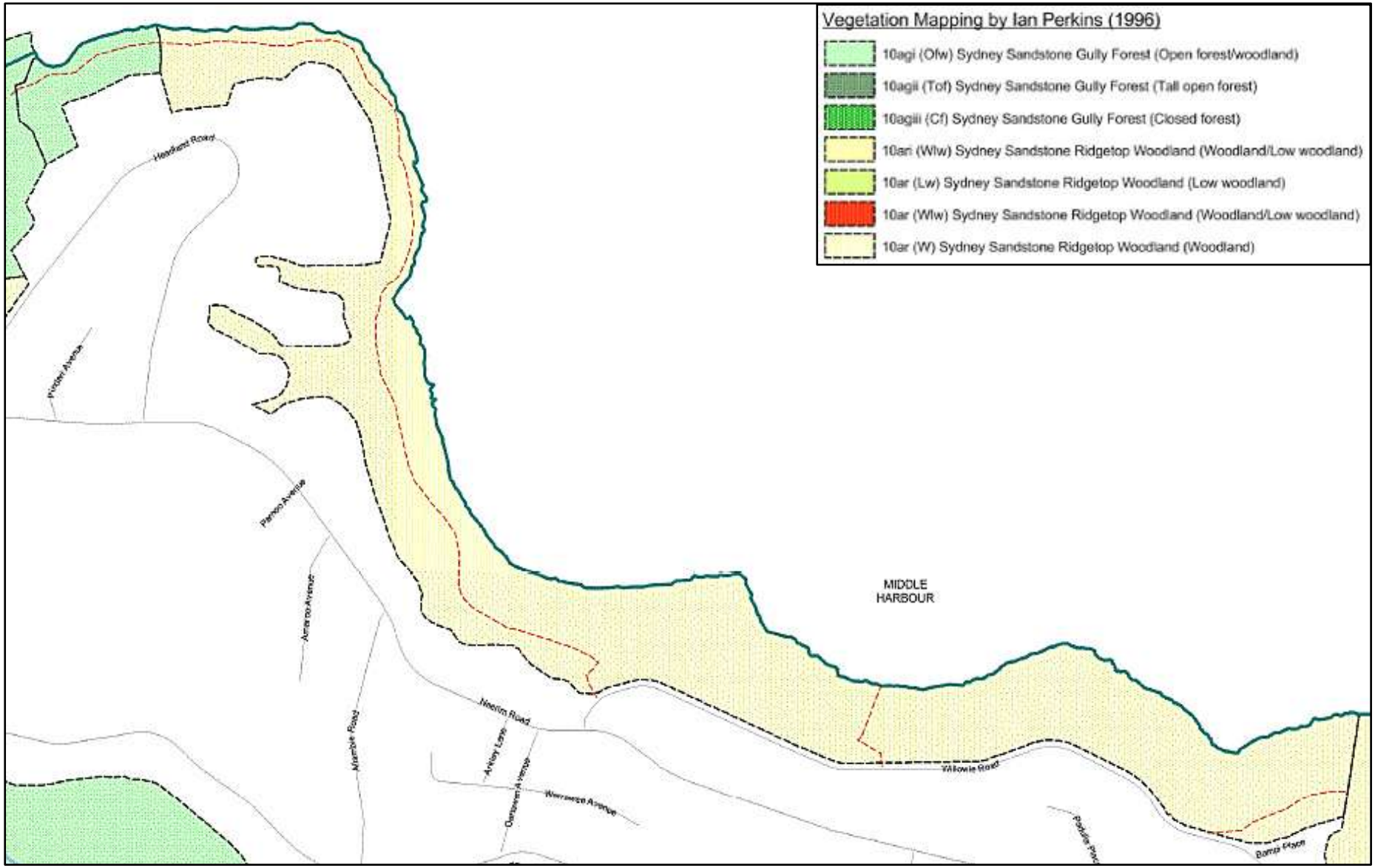
5.12.3 Reserve Assets

Reserve Name	Asset Type	Asset Description	Material Description	Quantity	Comments
H.D. Robb Reserve	Bench	Concrete base	Concrete/Timber	2	Slabs
H.D. Robb Reserve	Bench	No concrete base	Timber		Slab with back and arms
H.D. Robb Reserve	Irrigation	N/A	N/A		Tap
H.D. Robb Reserve	Sign	General	Metal		Wildlife Protection Area
H.D. Robb Reserve	Sign	General	Metal	2	Tree Vandalism
H.D. Robb Reserve	Sign	Name	Timber		H.D. Robb (old timber)
H.D. Robb Reserve	Sign	Name	Timber/Metal	2	H.D. Robb Reserve - two Posts
Headland Road Lookout	Bench	No concrete base	Timber/Metal	2	Back
Headland Road Lookout	Fence	General Fencing	Galvanised Metal Balustrade		Safety fencing - drop-off
Headland Road Lookout	Sign	Name	Timber/Metal		Headland Lookout-naming

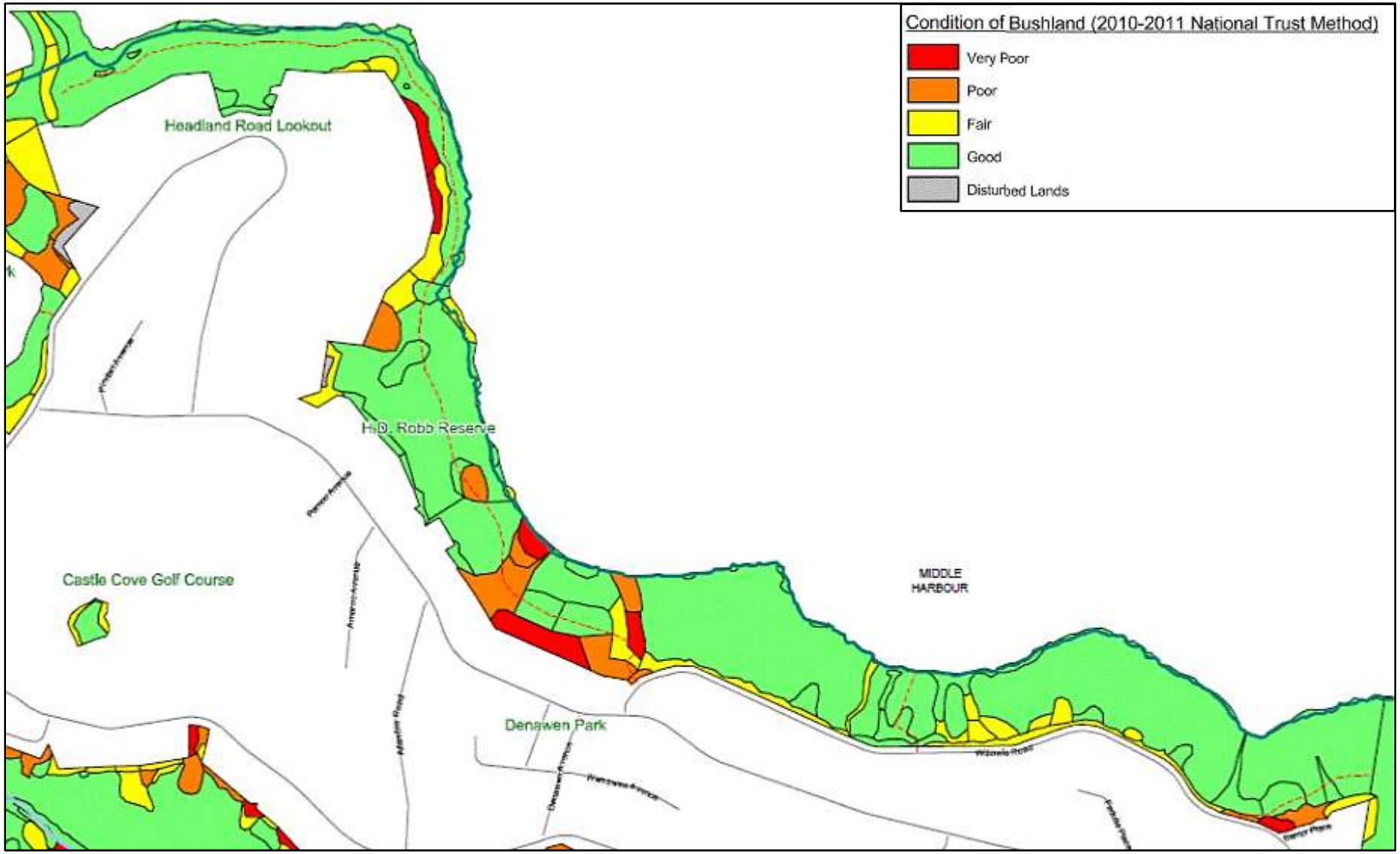
5.12.4 Maps

H.D. Robb Reserve Outline

H.D. Robb Reserve Outline Aerial



H.D. Robb Reserve Native Vegetation Communities



H.D. Robb Reserve Bushland Condition Rating 2010 – 2011

5.13 Mowbray Park

Mowbray Park is a 16.1 hectare bushland reserve that is an important part of the Lane Cove River estuary system. It is a continuous strip of bushland along the river bounded by Swaines Creek at Chatswood Golf Course on the east and the Epping Road Bridge to the west. At the western end of the Park there is an athletic field, amenity blocks, car park and a large detention basin for the Lane Cove Road tunnel. On the southern side there is mostly suburban street frontage, with stormwater discharge points. Mowbray Park is located in the Lane Cove River catchment area.

5.13.1 Native Plant Species List

Mowbray Park Group			**Mowbray Park**				**1 = Mangrove, 2 = Casuarina Forest, 3 = Closed Forest, 4 = Woodland, 5 = Previously Cleared**					**Burns Park**
			R Buchanan & B Patterson 1977 * denotes additions to original list	National Trust 1980	Nifros, J. Attenbrow V. 1989	Reserve Action Plan 2010	1	2	3	4	5	National Trust 1980
	Family	**Genus-species**										
FORK FERNS	Psilotaceae	*Psilotum nudum*	•			•						
CONIFERS	Podocarpaceae	*Podocarpus spinulosus*	•			•						
FERNS	Adiantaceae	*Adiantum aethiopicum*	•		•	•			•			
	Aspleniaceae	*Asplenium australasicum*	•			•						

	Aspleniaceae	*Asplenium flabellifolium*	•			•						
	Blechnaceae	*Blechnum ambiguum*	•			•						
	Blechnaceae	*Blechnum cartilagineum*	•			•						
	Blechnaceae	*Doodia caudata*	•			•						
	Cyatheaceae	*Cyathea australis*	•		•	•			•			
	Cyatheaceae	*Cyathea cooperi*	•			•						
	Davalliaceae	*Davallia pyxidata*	•			•						
	Dennstaedtiaceae	*Histiopteris incisa*	•		•	•						
	Dennstaedtiaceae	*Pteridium esculentum*	•		•	•		•	•	•	•	
	Dicksoniaceae	*Calochlaena dubia*	•		•	•			•			
	Gleicheniaceae	*Gleichenia dicarpa*	•		•	•				•		
	Gleicheniaceae	*Gleichenia rupestris*	•			•						
	Gleicheniaceae	*Sticherus flabellatus*	•			•						
	Lindsaeaceae	*Lindsaea microphylla*	•			•						
	Osmandaceae	*Todea barbara*	•			•						
	Polypodiaceae	*Platycerium bifurcatum*	•			•						
	Polypodiaceae	*Pyrrosia rupestris*	•			•						
	Pteridaceae	*Cheilanthes austrotenuifolia*				•						
	Pteridaceae	*Cheilanthes sieberi*				•						
	Pteridaceae	*Pteris tremula*	•			•						
	Thelypteridaceae	*Christella dentata*	•			•						
DICOTS	Acanthaceae	*Pseuderanthemum variabile*	•		•	•			•			
	Acanthaceae	*Avicennia marina*				•						
	Aizoaceae	*Tetragonia tetragonioides*	•		•	•		•				
	Amaranthaceae	*Alternanthera denticulata*			•	•						
	Apiaceae	*Actinotus helianthi*	•	•	•	•				•		•
	Apiaceae	*Actinotus minor*	•	•	•	•			•	•		•
	Apiaceae	*Apium prostratum*				•						
	Apiaceae	*Centella asiatica*	•	•		•						•
	Apiaceae	*Hydrocotyle peduncularis*	•			•						
	Apiaceae	*Platysace lanceolata*	•	•	•	•			•	•		

	Apiaceae	*Platysace linearifolia*				•						•
	Apiaceae	*Xanthosia pilosa*	•	•	•	•			•			
	Apiaceae	*Xanthosia tridentata*				•						•
	Apocynaceae	*Parsonsia straminea*	•									
	Araliaceae	*Astrotricha floccosa*				•						
	Araliaceae	*Polyscias sambucifolia*	•	•	•	•			•	•		
	Asteraceae	*Aster subulatus*	•									
	Asteraceae	*Cassinia aculeata*	•	•		•						
	Asteraceae	*Cotula australis*				•						
	Asteraceae	*Crassocephalum crepidioides*	•*									
	Asteraceae	*Ozothamnus diosmifolium*	•*		•	•			•	•		
	Asteraceae	*Sigesbeckia orientalis*				•						
	Bignoniaceae	*Pandorea pandorana*	•	•	•	•			•	•		
	Campanulaceae	*Wahlenbergia gracilis*			•	•				•		
	Cassythaceae	*Cassytha pubescens*	•		•	•			•			
	Casuarinaceae	*Allocasuarina littoralis*	•*	•	•	•			•	•		•
	Casuarinaceae	*Casuarina glauca*	•	•	•	•		•			•	
	Chenopodiaceae	*Atriplex australasica*				•						
	Chenopodiaceae	*Sacocornia quinqueflora*	•			•						
	Chenopodiaceae	*Suaeda australis*				•						
	Crassulaceae	*Crassula sieberiana*				•						
	Cunoniaceae	*Bauera rubioides*	•	•	•	•			•			•
	Cunoniaceae	*Callicoma serratifolia*	•	•	•	•			•			•
	Cunoniaceae	*Ceratopetalum apetalum*	•	•		•						
	Cunoniaceae	*Ceratopetalum gummiferum*	•	•	•	•		•	•	•		•
	Dilleniaceae	*Hibbertia dentata*	•	•		•						
	Dilleniaceae	*Hibbertia linearis*	•		•	•			•	•		
	Dilleniaceae	*Hibbertia obtusifolia*	•*		•	•			•			
	Dilleniaceae	*Hibbertia scandens*	•			•						
	Droseraceae	*Drosera spathulata*		•		•						
	Droseraceae	*Drosera auriculata*	•			•						
	Droseraceae	*Drosera peltata*	•			•						

	Elaeocarpaceae	*Elaeocarpus reticulatus*	•	•	•	•			•	•		•
	Ericaceae Styphelioideae	*Epacris microphylla*				•						•
	Ericaceae Styphelioideae	*Epacris pulchella*	•*		•	•			•			
	Ericaceae Styphelioideae	*Leucopogon juniperinus*	•	•	•	•				•		
	Ericaceae Styphelioideae	*Leucopogon setiger*	•			•						
	Ericaceae Styphelioideae	*Styphelia tubiflora*	•	•	•	•			•			•
	Ericaceae Styphelioideae	*Woollsia pungens*	•	•		•						•
	Euphorbiaceae	*Breynia oblongifolia*	•	•	•	•			•			
	Euphorbiaceae	*Glochidion ferdinandi*	•	•	•	•			•	•		•
	Euphorbiaceae	*Micrantheum ericoides*	•	•	•	•				•		•
	Euphorbiaceae	*Omalanthus populifolius*	•	•	•	•			•	•		•
	Euphorbiaceae	*Phyllanthus gastroemii*	•			•						
	Euphorbiaceae	*Phyllanthus hirtellus (syn. P. thymoides)*	•*	•	•	•			•	•		
	Euphorbiaceae	*Ricinocarpos pinifolius*	•			•						
	Fabaceae Faboideae	*Bossiaea heterophylla*	•	•		•						•
	Fabaceae Faboideae	*Bossiaea obcordata*	•			•						
	Fabaceae Faboideae	*Bossiaea rhombifolia*	•*		•	•				•		
	Fabaceae Faboideae	*Dillwynia floribunda*	•*		•	•			•			
	Fabaceae Faboideae	*Dillwynia retorta*	•	•	•	•				•		•
	Fabaceae Faboideae	*Glycine clandestina*		•		•						
	Fabaceae Faboideae	*Glycine tabacina*	•			•						
	Fabaceae Faboideae	*Gompholobium grandiflorum*	•		•	•			•			
	Fabaceae Faboideae	*Gompholobium latifolium*	•	•		•						
	Fabaceae Faboideae	*Hardenbergia violacea*	•	•	•	•			•	•		
	Fabaceae Faboideae	*Hovea longifolia*	•			•						
	Fabaceae Faboideae	*Kennedia rubicunda*	•	•	•	•			•			
	Fabaceae Faboideae	*Platylobium formosum ssp formosum*				•						•
	Fabaceae Faboideae	*Pultenaea daphnoides*	•		•	•			•			
	Fabaceae Faboideae	*Pultenaea elliptica*				•						•
	Fabaceae Faboideae	*Pultenaea flexilis*	•	•	•	•			•			
	Fabaceae Faboideae	*Pultenaea stipularis*	•	•		•						•
	Fabaceae Faboideae	*Viminaria juncea*	•	•		•						

	Fabaceae-Mimosoideae	*Acacia decurrens*	•*		•	•			•	•		
	Fabaceae-Mimosoideae	*Acacia elata*	•			•						
	Fabaceae-Mimosoideae	*Acacia hispidula*	•			•						
	Fabaceae-Mimosoideae	*Acacia implexa*	•			•						
	Fabaceae-Mimosoideae	*Acacia irrorata*	•		•	•			•			
	Fabaceae-Mimosoideae	*Acacia linifolia*	•	•	•	•			•	•		•
	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*	•	•	•	•		•	•	•	•	•
	Fabaceae-Mimosoideae	*Acacia myrtifolia*	•	•		•						
	Fabaceae-Mimosoideae	*Acacia suaveolens*	•	•	•	•			•	•		•
	Fabaceae-Mimosoideae	*Acacia terminalis*	•	•	•	•			•	•		
	Fabaceae-Mimosoideae	*Acacia ulicifolia*	•	•	•	•			•	•		•
	Geraniaceae	*Geraneum homeanum*				•						
	Geraniaceae	*Pelargonium inodorum*				•						
	Goodeniaceae	*Dampiera stricta*				•						•
	Goodeniaceae	*Goodenia hederaceae*	•			•						
	Goodeniaceae	*Goodenia heterophylla*	•	•	•	•				•		•
	Haloragaceae	*Gonocarpus micranthus*				•						
	Lamiaceae	*Plectranthus parvifolius*			•	•			•			
	Lobeliaceae	*Isotoma fluviatilis*	•			•						
	Lobeliaceae	*Lobelia alata*	•			•						
	Lobeliaceae	*Lobelia gracilis*	•	•		•						•
	Lobeliaceae	*Pratia purpurascens*	•	•		•						
	Loganiaceae	*Logania albiflora*	•			•						
	Loranthaceae	*Amyema congener ssp congener*	•			•						
	Menispermaceae	*Stephania japonica*			•	•			•			
	Moraceae	*Ficus rubiginosa*	•	•	•	•			•	•		
	Myrsinaceae	*Aegiceras corniculatum*	•		•	•	•					
	Myrsinaceae	*Myrsine (Rapanea) variabilis*	•	•	•	•			•	•		
	Myrtaceae	*Angophora bakeri*	•			•						
	Myrtaceae	*Angophora costata*	•	•	•	•			•	•		•
	Myrtaceae	*Baeckea linifolia*	•			•						
	Myrtaceae	*Corymbia gummifera*	•	•	•	•			•	•		•

	Myrtaceae	*Eucalyptus globoidea*	•		•	•			•	•		
	Myrtaceae	*Eucalyptus haemastoma*	•	•		•						•
	Myrtaceae	*Eucalyptus paniculata*	•	•		•						
	Myrtaceae	*Eucalyptus pilularis*	•	•	•	•			•	•		
	Myrtaceae	*Eucalyptus piperita*	•	•	•	•			•	•		•
	Myrtaceae	*Eucalyptus resinifera*				•						
	Myrtaceae	*Eucalyptus tereticornis*	•			•						
	Myrtaceae	*Kunzea ambigua*	•	•	•	•				•		•
	Myrtaceae	*Leptospermum polyanthum*	•			•						
	Myrtaceae	*Leptospermum polygalifolium*				•						•
	Myrtaceae	*Leptospermum trinervium*	•	•		•						
	Myrtaceae	*Melaleuca linariifolia*	•		•	•		•		•		
	Myrtaceae	*Melaleuca sp.*			•						•	
	Myrtaceae	*Melaleuca styphelioides*				•						
	Oleaceae	*Notelaea longifolia*	•	•	•	•			•	•		•
	Oleaceae	*Notelaea ovata*	•*		•	•			•	•		
	Oxalidaceae	*Oxalis corniculata*	•	•	•	•				•		
	Pittosporaceae	*Billardiera scandens*	•	•	•	•			•	•		•
	Pittosporaceae	*Bursaria spinosa*	•	•		•						
	Pittosporaceae	*Pittosporum revolutum*	•	•		•						
	Pittosporaceae	*Pittosporum undulatum*	•	•	•	•		•	•	•	•	•
	Primulaceae	*Samolus repens*	•		•	•		•				
	Primulaceae	*Samolus valerandii*	•*			•						
	Proteaceae	*Banksia ericifolia*	•	•		•						
	Proteaceae	*Banksia integrifolia*	•	•		•						
	Proteaceae	*Banksia oblongifolia*	•	•		•						•
	Proteaceae	*Banksia serrata*	•	•	•	•			•	•		•
	Proteaceae	*Banksia spinulosa*	•	•	•	•			•			•
	Proteaceae	*Grevillea buxifolia*	•	•	•	•			•	•		•
	Proteaceae	*Grevillea linearifolia*	•	•	•	•			•	•		
	Proteaceae	*Grevillea sericea*	•	•	•	•				•		•
	Proteaceae	*Hakea sericea*	•*		•	•				•		

	Proteaceae	*Lambertia formosa*	•	•	•	•				•		•
	Proteaceae	*Lomatia silaifolia*	•	•	•	•				•		•
	Proteaceae	*Persoonia lanceolata*				•						
	Proteaceae	*Persoonia levis*	•			•						
	Proteaceae	*Persoonia linearis*	•		•	•			•	•		
	Proteaceae	*Persoonia pinifolia*	•	•		•						
	Proteaceae	*Xylomelum pyriforme*	•		•	•			•			
	Ranunculaceae	*Clematis aristata*	•	•		•						
	Rhamnaceae	*Pomaderris elliptica*				•						
	Rhamnaceae	*Pomaderris ferruginea*				•						
	Rhamnaceae	*Pomaderris intermedia*	•		•	•			•	•		
	Rhamnaceae	*Pomaderris spp.*		•	•	•			•			
	Rubiaceae	*Morinda jasminoides*	•	•		•						
	Rubiaceae	*Pomax umbellata*	•*		•	•				•		
	Rutaceae	*Boronia ledifolia*	•			•						
	Rutaceae	*Phebalium dentatum*	•	•		•						
	Rutaceae	*Zieria pilosa*	•	•		•						
	Rutaceae	*Zieria smithii*	•	•		•						•
	Santalaceae	*Exocarpus cupressiformis*	•	•		•						
	Santalaceae	*Leptomeria acida*	•			•						
	Sapindaceae	*Dodonaea triquetra*	•	•	•	•			•	•		•
	Scrophulariaceae	*Veronica plebeia*			•	•			•			
	Solanaceae	*Solanum aviculare*				•						
	Sterculiaceae	*Lasiopetalum ferrugineum var. ferrugineum*	•	•		•						•
	Thymeliaceae	*Pimelea linifolia*	•			•						
	Verbenaceae	*Avicennia marina var. australasica*	•		•		•					
	Verbenaceae	*Clerodendrum tomentosum*	•	•		•						
	Violaceae	*Viola hederacea*	•		•	•		•				
	Vitaceae	*Cayratia clematidea*				•						
MONOCOTS	Anthericaceae	*Caesia parviflora var vittata*	•			•						
	Anthericaceae	*Thysanotus tuberosus*				•						

	Anthericaceae	*Tricoryne simplex*	•	•		•						
	Arecaceae	*Livistona australis*				•						
	Commelinaceae	*Aneilema acuminatum*				•						
	Commelinaceae	*Commelina cyanea*	•	•	•	•		•	•		•	
	Cyperaceae	*Baumea juncea*				•						
	Cyperaceae	*Carex inversa*				•						
	Cyperaceae	*Caustis flexuosa*				•						
	Cyperaceae	*Cyperus brevifolius*	•		•	•				•		
	Cyperaceae	*Cyperus gracilis*				•						
	Cyperaceae	*Cyperus imbecillis*				•						
	Cyperaceae	*Cyperus polystachos*				•						
	Cyperaceae	*Gahnia erythrocarpa*				•						
	Cyperaceae	*Gahnia sieberiana*				•						
	Cyperaceae	*Gahnia spp.*	•	•	•	•			•			•
	Cyperaceae	*Isolepis cernua*				•						
	Cyperaceae	*Isolepis nodosus*	•			•						
	Cyperaceae	*Lepidosperma laterale*				•						•
	Cyperaceae	*Schoenus melanostachys*				•						
	Haemodraceae	*Haemodorum planifolium*				•						
	Hypoxidaceae	*Hypoxis hygrometrica*				•						
	Iridaceae	*Patersonia sericea*	•	•		•						
	Juncaceae	*Juncus kraussii var australiensis*			•	•		•				
	Juncaceae	*Juncus usitatus*			•	•				•	•	
	Juncaginaceae	*Triglochin striata*				•						
	Lomandraceae	*Lomandra fluviatilis 3RC*			•	•				•		
	Lomandraceae	*Lomandra glauca*	•	•		•						
	Lomandraceae	*Lomandra gracilis*				•						
	Lomandraceae	*Lomandra longifolia*	•	•	•	•			•	•		•
	Lomandraceae	*Lomandra multiflora*	•*		•	•			•			
	Lomandraceae	*Lomandra obliqua*	•	•	•	•			•	•		•
	Luzuriagaceae	*Eustrephus latifolius*	•	•	•	•			•	•		
	Orchidaceae	*Acianthus fornicatus*	•			•						

	Orchidaceae	*Caladenia carnea*	•			•						
	Orchidaceae	*Caleana sp.*				•						
	Orchidaceae	*Calochilus campestris*	•			•						
	Orchidaceae	*Cryptostylis erecta*	•	•	•	•				•		•
	Orchidaceae	*Cymbidium suave*	•			•						
	Orchidaceae	*Dendrobium linguiforme*				•						
	Orchidaceae	*Dipodium punctatum*	•		•	•				•		
	Phormiaceae	*Dianella caerulea var caerulea*	•	•	•	•			•	•	•	•
	Phormiaceae	*Dianella revoluta*	•*		•	•				•		
	Poaceae	*Agrostis avenacea*	•*		•	•			•	•		
	Poaceae	*Anisopogon avenaceus*				•						
	Poaceae	*Aristida vagans*				•						
	Poaceae	*Austradanthonia fulva*				•						
	Poaceae	*Austradanthonia tenuior*				•						
	Poaceae	Austrostipa *pubescens*				•						
	Poaceae	*Bothriochloa macra*				•						
	Poaceae	*Danthonia linkii*	•*		•				•			
	Poaceae	*Danthonia sp.*				•						
	Poaceae	*Dichelachne crinita*				•						
	Poaceae	*Dichelachne micrantha*				•						
	Poaceae	*Digitaria parviflora*				•						
	Poaceae	*Echinopogon caespitosus*	•*		•	•			•	•		
	Poaceae	*Entolasia marginata*	•*		•	•			•	•	•	
	Poaceae	*Entolasia stricta*	•*	•	•	•					•	
	Poaceae	*Imperata cylindrica*	•	•		•						•
	Poaceae	*Microlaena stipoides*				•						
	Poaceae	*Oplismenus aemulus*	•*		•	•			•	•	•	
	Poaceae	*Oplismenus imbecillis*		•	•	•						•
	Poaceae	*Panicum effusum*	•*			•						
	Poaceae	*Panicum simile*				•						
	Poaceae	*Phragmites australis*	•		•	•		•			•	
	Poaceae	*Poa affinis*	•*		•	•		•				

	Poaceae	*Sporobolus creber*				•						
	Poaceae	*Sporobolus virginicus var minor*				•						
	Poaceae	*Themeda australis*	•	•	•	•				•		
	Poaceae	*Zoysia macrantha*				•						
	Restionaceae	*Leptocarpus tenax*	•			•						
	Restionaceae	*Restio fastigiatus*	•*		•	•			•	•		
	Smilacaceae	*Smilax glyciphylla*	•	•	•	•			•	•		•
	Typhaceae	*Typha spp.*	•			•						
	Xanthorrhoeaceae	*Xanthorrhoea arborea*	•	•		•						

5.13.2 Aboriginal Archaeological Site Information

Mowbray Park			
AHO#	**AHIMS#**	**Site Type 1**	**Site Type 2**
WILL-046	45-6-1844	Shelter Midden	
WILL-048	45-6-1845	Shelter Deposit	
WILL-067	45-6-2272	Shelter Art	
WILL-068	45-6-2284	Grinding Groove	
WILL-069	45-6-2311	Shelter Deposit	
WILL-109	45-6-1348	Shelter Art	Shelter Midden
WILL-115	45-6-2310	Shelter Midden	
WILL-144	45-6-2717	Shelter Deposit	
WILL-145	45-6-2718	Midden	
WILL-181	45-6-new	Shelter PAD	
WILL-182	45-6-new	Shelter PAD	

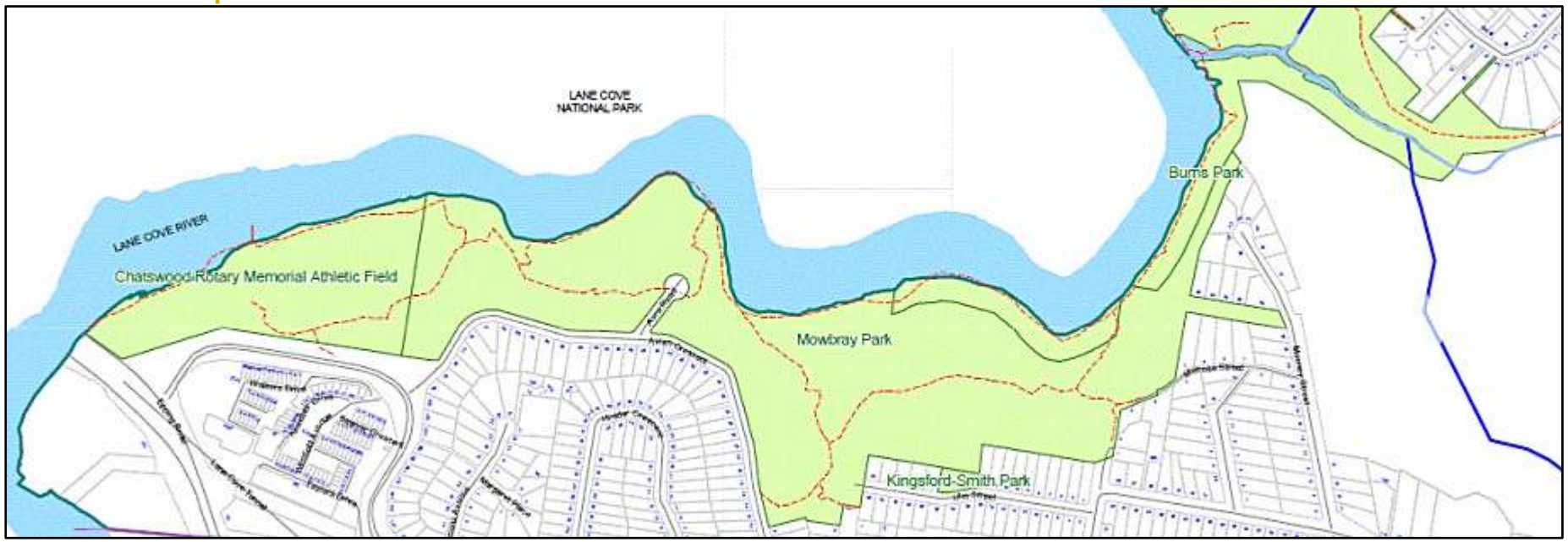
5.13.3 Reserve Assets

Reserve Name	Asset Type	Asset Description	Material Description	Quantity	Comments
Burns Park	Bench	No concrete base	Timber		Slab
Burns Park	Bench	No concrete base	Timber		Seat
Burns Park	Sign	General	Metal		The River Walk
Chatswood Rotary Memorial Athletic Field	Artwork	Wall	N/A		River life mural underpass
Chatswood Rotary Memorial Athletic Field	Artwork	N/A	N/A		Timber totem pole
Chatswood Rotary Memorial Athletic Field	BBQ	Brick or metal surrounds and concrete base	N/A		
Chatswood Rotary Memorial Athletic Field	BBQ	Electric Double plate	N/A		
Chatswood Rotary Memorial Athletic Field	Bench	General	Metal		Signs (7) inlaid into seat (4) bench back also no signs on backless benches (2)
Chatswood Rotary Memorial Athletic Field	Bench	Concrete base	Timber/Metal	4	metal bench
Chatswood Rotary Memorial Athletic Field	Bench	No concrete base	Natural Log	6	
Chatswood Rotary Memorial Athletic Field	Bench	No concrete base	Natural Log	3	on timber boardwalk
Chatswood Rotary Memorial Athletic Field	Bench	No concrete base	Natural Log		on timber boardwalk. also 2 x flora info plaques inset
Chatswood Rotary Memorial Athletic Field	Bench	No concrete base	Natural Log		on timber boardwalk. also 1x fauna info plaque inset
Chatswood Rotary Memorial Athletic Field	Bench	No concrete base	Natural Log		on timber boardwalk. also 2x fauna insets on seat back
Chatswood Rotary Memorial Athletic Field	Bin	N/A	Plastic	5	on metal stand
Chatswood Rotary Memorial Athletic Field	Bin	N/A	Plastic		fishing line bin
Chatswood Rotary Memorial Athletic Field	Bench	No concrete base	Concrete/Timber	4	concrete and timber
Chatswood Rotary Memorial Athletic Field	Bench	Other	Other		Sandstone block
Chatswood Rotary Memorial Athletic Field	Bench	Other	Other		Sandstone block
Chatswood Rotary Memorial Athletic Field	Bench	Other	Other		Sandstone block
Chatswood Rotary Memorial Athletic Field	Bench	Other	Other		Sandstone block
Chatswood Rotary Memorial Athletic Field	Bubbler	N/A	Metal On Timber Post	2	

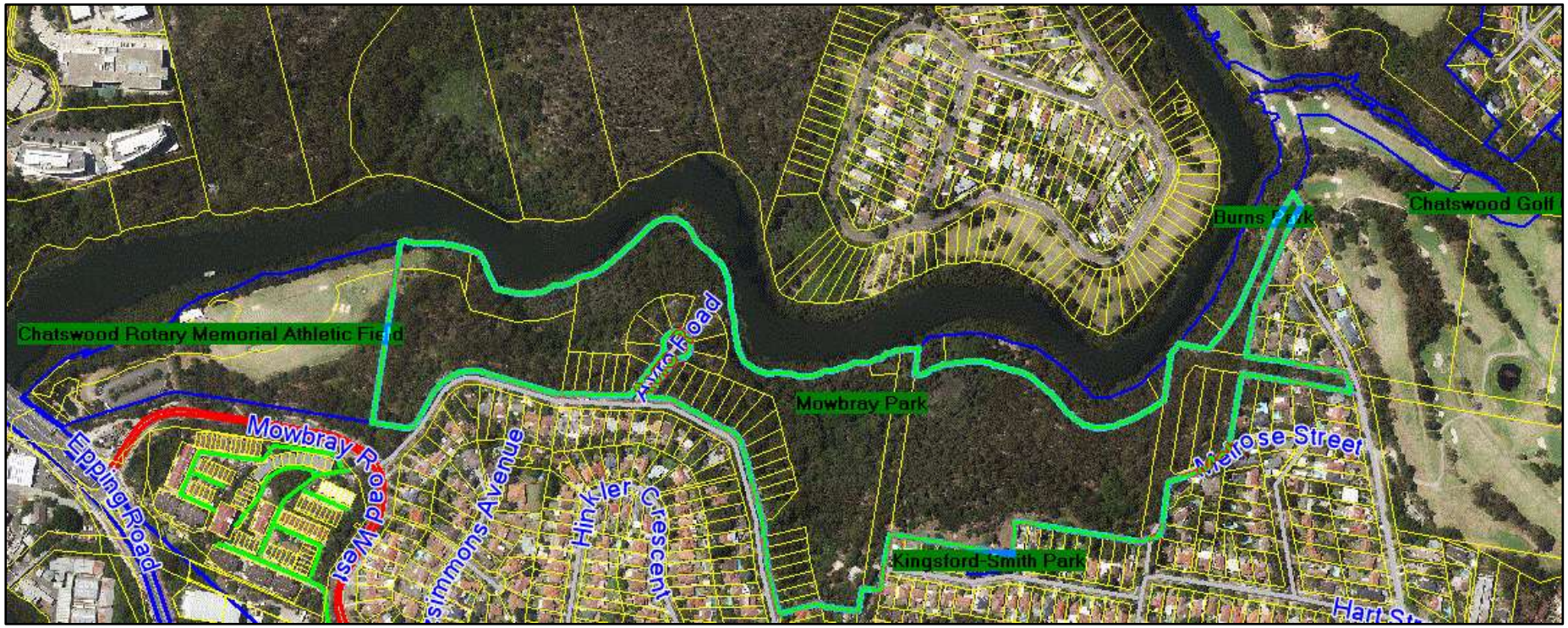
Chatswood Rotary Memorial Athletic Field	Fence	Bollard	Treated Pine	11	
Chatswood Rotary Memorial Athletic Field	Fence	Bollard	Metal		Yellow (3)
Chatswood Rotary Memorial Athletic Field	Fence	General Fencing	Chain Mesh		some sections need replacing. Drop-off
Chatswood Rotary Memorial Athletic Field	Fence	General Fencing	Galv Metal Balustrade	8	
Chatswood Rotary Memorial Athletic Field	Fence	General Fencing	Metal		lockable entry gate
Chatswood Rotary Memorial Athletic Field	Fence	General Fencing	Metal		
Chatswood Rotary Memorial Athletic Field	Fence	Retaining Wall	Sandstone	2	sandstone blocks
Chatswood Rotary Memorial Athletic Field	Fence	Retaining Wall	Treated Pine		
Chatswood Rotary Memorial Athletic Field	Fence	Wall	Brick		
Chatswood Rotary Memorial Athletic Field	Fence	Wall	Treated Pine		
Chatswood Rotary Memorial Athletic Field	Fence	Safety Fencing	Metal		Safety fencing - drop-off beside path over stormwater pipe
Chatswood Rotary Memorial Athletic Field	Garden	Semi-formal	No edging		
Chatswood Rotary Memorial Athletic Field	Lighting	Light post	N/A	2	
Chatswood Rotary Memorial Athletic Field	Other	N/A	N/A		Pontoon and ramp
Chatswood Rotary Memorial Athletic Field	Picnic Setting	Concrete base	Timber		just table, no benches
Chatswood Rotary Memorial Athletic Field	Picnic Setting	No concrete base	Timber		
Chatswood Rotary Memorial Athletic Field	Picnic Setting	No concrete base	Treated Pine	3	
Chatswood Rotary Memorial Athletic Field	Plaque	Other	N/A		totem pole plaque - Shane Haurama
Chatswood Rotary Memorial Athletic Field	Plaque	Other	N/A		rotary club plaque
Chatswood Rotary Memorial Athletic Field	Sign	General	Metal		Interpretive - Artists
Chatswood Rotary Memorial Athletic Field	Sign	General	N/A		lane cove river sign
Chatswood Rotary Memorial Athletic Field	Sign	General	N/A		centenary of rotary plaque and signs about flora and fauna
Chatswood Rotary Memorial Athletic Field	Sign	General	N/A		bush regeneration sign
Chatswood Rotary Memorial Athletic Field	Sign	Name	Timber		Mowbray Park
Chatswood Rotary Memorial Athletic Field	Sign	Name	N/A	2	
Chatswood Rotary Memorial Athletic Field	Sign	Other	Timber/Metal		New location plaque rotary construction of boardwalk celebrating

					100 years and park sign next 'follow the flow' catchment sign
Chatswood Rotary Memorial Athletic Field	Sign	Regulatory	N/A		
Mowbray Park	Artwork	Formal	Stone Edging		Eel
Mowbray Park	Artwork	Formal	Stone Edging		Whale
Mowbray Park	Bench	No concrete base	Natural Log		Bench with back attached stairs
Mowbray Park	Bench	No concrete base	Natural Log		Slab with back
Mowbray Park	Bench	No concrete base	Natural Log		Slabs on rock x2
Mowbray Park	Bench	No concrete base	Natural Log		Natural log
Mowbray Park	Bench	No concrete base	Timber		Slabs with backs x7
Mowbray Park	Bench	No concrete base	Timber		Square timber bench
Mowbray Park	Fence	Other	Timber		Painted
Mowbray Park	Fence	Other	Timber/Metal		Chain gate and two timber posts
Mowbray Park	Other	Informal	Stone Edging		Aboriginal Interpretation circle
Mowbray Park	Sign	General	Metal		Interpretive - Water Rat
Mowbray Park	Sign	General	Metal		Bushcare
Mowbray Park	Sign	General	Metal		Bushcare
Mowbray Park	Sign	General	Metal		Bushcare
Mowbray Park	Sign	General	Metal		Bushcare
Mowbray Park	Sign	Name	Timber		Mowbray Park
Mowbray Park	Sign	Name	Timber/Metal		Round Willoughby Walk
Mowbray Park	Sign	Name	Timber/Metal		Mowbray Park

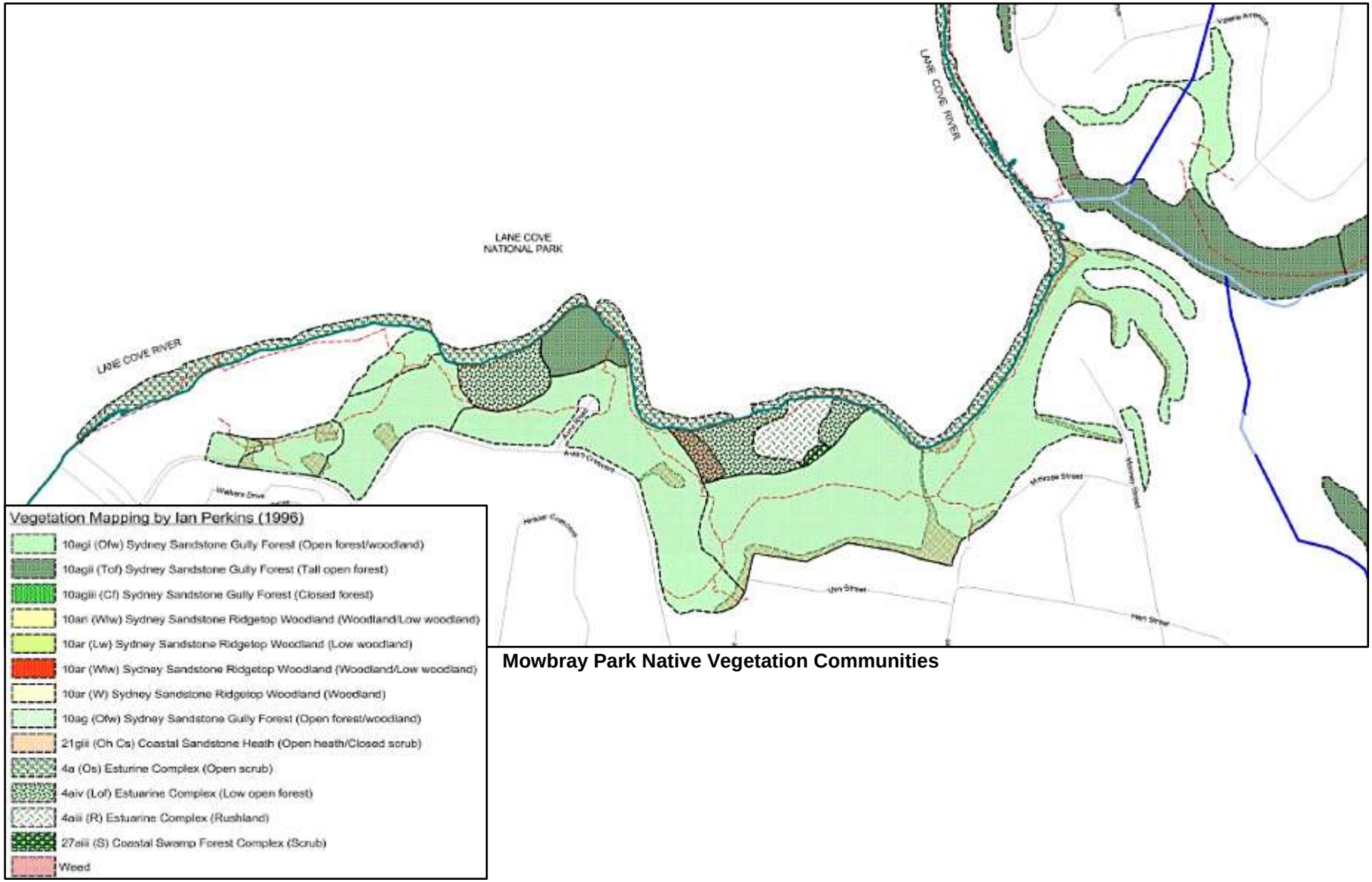
5.13.4 Maps



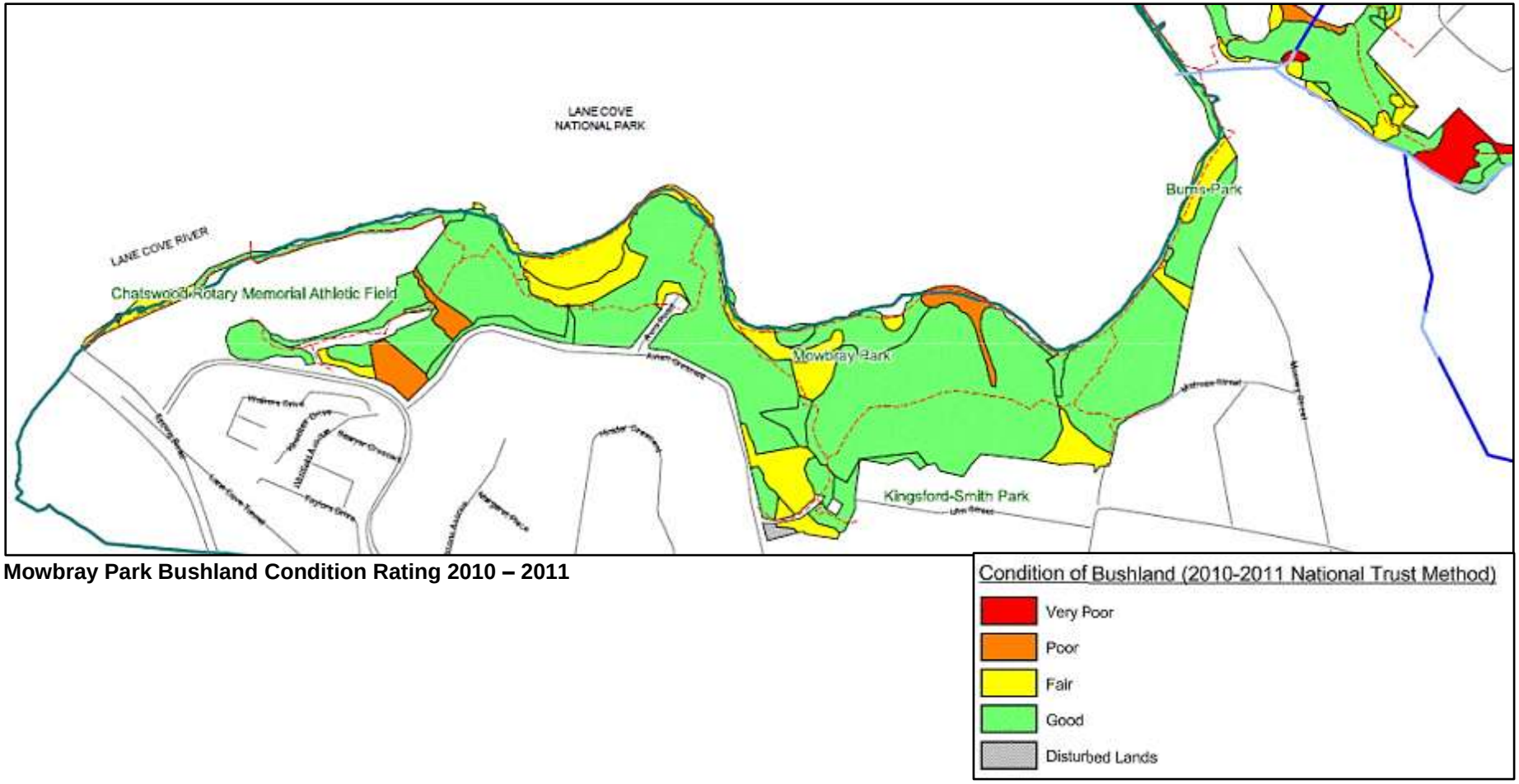
Mowbray Park Outline



Mowbray Park Outline Aerial



Mowbray Park Native Vegetation Communities



Mowbray Park Bushland Condition Rating 2010 – 2011

5.14 North Arm Reserve and Willis Park

North Arm is a long linear reserve approximately 45.9 hectares in size that follows the northern shoreline of Sugarloaf Bay, located in Castle Cove and Middle Cove. It is Council's largest bushland area and is part of a continuous green corridor from Explosives Reserve in the north, Willis Park to the west, and Harold Reid Reserve to the south. The reserve consists of steep sandstone slopes that form a large valley running down to Scotts Creek and also the northern embankment of Sugarloaf Bay. The 4.5km North Arm Walking Track passes through the length of this reserve, continuing into Explosives and also Harold Reid Reserves.

Willis Park is a 6.8 hectare bushland reserve located east of Eastern Valley Way and south of Castle Cove Drive in Castle Cove and Middle Cove. It contains steep slopes that run into Scotts Creek and connects with North Arm Reserve. Within the Park an area is licensed by The Willis Recreation and Sports Centre consisting of tennis and futsal courts, club houses and car parking.

Both North Arm Reserve and Willis Park are located in the Scotts Creek catchment part of the Middle Harbour catchment area.

5.14.1 Native Plant Species List

North Arm Reserve and Willis Park		
	Family	**Genus-species**
FORK FERNS	Psilotaceae	*Psilotum nudum*
CONIFERS	Cupressaceae	*Callitris rhomboidea*
	Podocarpaceae	*Podocarpus spinulosus*
FERNS	Adiantaceae	*Adiantum aethiopicum*
	Adiantaceae	*Adiantum formosum*
	Adiantaceae	*Adiantum hispidulum*
	Blechnaceae	*Blechnum ambiguum*
	Blechnaceae	*Blechnum cartilagineum*
	Blechnaceae	*Blechnum nudum*
	Blechnaceae	*Doodia aspera*
	Blechnaceae	*Doodia caudata*
	Cyatheaceae	*Cyathea australis*
	Cyatheaceae	*Cyathea cooperi*

	Cyatheaceae	*Cyathea leichhardtiana*
	Dennstaedtiaceae	*Histiopteris incisa*
	Dennstaedtiaceae	*Hypolepis muelleri*
	Dennstaedtiaceae	*Pteridium esculentum*
	Dicksoniaceae	*Calochlaena dubia*
	Gleicheniaceae	*Gleichenia dicarpa*
	Gleicheniaceae	*Gleichenia microphylla*
	Gleicheniaceae	*Gleichenia rupestris*
	Gleicheniaceae	*Gleichenia lobatus*
	Gleicheniaceae	*Sticherus flabellatus*
	Grammitaceae	*Grammitis billardieri*
	Hymenophyllaceae	*Hymenophyllum cupressiforme*
	Lindsaeaceae	*Lindsaea linearis*
	Lindsaeaceae	*Lindsaea microphylla*
	Osmandaceae	*Todea barbara*
	Polypodiaceae	*Microsorum scandens*
	Polypodiaceae	*Platycerium bifurcatum*
	Polypodiaceae	*Pyrrosia rupestris*
	Pteridaceae	*Cheilanthes sieberi*
	Pteridaceae	*Pellaea falcata*
	Schizaeaceae	*Schizaea bifida*
	Schizaeaceae	*Schizaea dichotoma*
	Thelypteridaceae	*Christella dentata*
DICOTS	Acanthaceae	*Pseuderanthemum variabile*
	Acanthaceae	*Avicennia marina*
	Aizoaceae	*Tetragonia tetragonioides*
	Apiaceae	*Actinotus helianthi*
	Apiaceae	*Actinotus minor*
	Apiaceae	*Centella asiatica*
	Apiaceae	*Hydrocotyle peduncularis*
	Apiaceae	*Platysace lanceolata*
	Apiaceae	*Platysace linearifolia*
	Apiaceae	*Platysace stephensonii 3RC*

	Apiaceae	*Xanthosia pilosa*
	Apiaceae	*Xanthosia tridentata*
	Apocynaceae	*Parsonsia straminea*
	Araliaceae	*Astroticha latifolia*
	Araliaceae	*Astrotricha floccosa*
	Araliaceae	*Polyscias sambucifolia*
	Asclepiadaceae	*Marsdenia suaveolens*
	Asclepiadaceae	*Tylophora barbata*
	Asteraceae	*Cassinia denticulata*
	Asteraceae	*Euchitongymnocephalus*
	Asteraceae	*Ozothamnus diosmifolium*
	Asteraceae	*Senecio hispidulus*
	Asteraceae	*Sigesbeckia orientalis*
	Bignoniaceae	*Pandorea pandorana*
	Cassythaceae	*Cassytha glabella*
	Cassythaceae	*Cassytha pubescens*
	Casuarinaceae	*Allocasuarina distyla*
	Casuarinaceae	*Allocasuarina littoralis*
	Casuarinaceae	*Casuarina glauca*
	Chenopodiaceae	*Atriplex australasica*
	Chenopodiaceae	*Sacocornia quinqueflora*
	Cunoniaceae	*Bauera rubioides*
	Cunoniaceae	*Callicoma serratifolia*
	Cunoniaceae	*Ceratopetalum apetalum*
	Cunoniaceae	*Ceratopetalum gummiferum*
	Dilleniaceae	*Hibbertia aspera*
	Dilleniaceae	*Hibbertia dentata*
	Dilleniaceae	*Hibbertia linearis*
	Dilleniaceae	*Hibbertia nitida*
	Dilleniaceae	*Hibbertia scandens*
	Elaeocarpaceae	*Elaeocarpus reticulatus*
	Ericaceae Styphelioideae	*Brachyloma daphnoides*
	Ericaceae Styphelioideae	*Dracophyllum secundum*
	Ericaceae Styphelioideae	*Epacris crassifolia*

	Ericaceae Styphelioideae	*Epacris longiflora*
	Ericaceae Styphelioideae	*Epacris pulchella*
	Ericaceae Styphelioideae	*Leucopogon amplexicaulis*
	Ericaceae Styphelioideae	*Leucopogon microphyllus*
	Ericaceae Styphelioideae	*Lissanthe strigosa*
	Ericaceae Styphelioideae	*Monotoca elliptica*
	Ericaceae Styphelioideae	*Styphelia longifolia*
	Ericaceae Styphelioideae	*Woollsia pungens*
	Ericaceae Styphelioideae	*Acrotriche divaricata*
	Euphorbiaceae	*Monotaxis linifolia*
	Euphorbiaceae	*Omalanthus populifolius*
	Euphorbiaceae	*Phyllanthus hirtellus (syn. P. thymoides)*
	Euphorbiaceae	*Poranthera microphylla*
	Euphorbiaceae	*Ricinocarpos pinifolius*
	Fabaceae Faboideae	*Bossiaea heterophylla*
	Fabaceae Faboideae	*Bossiaea scolopendria*
	Fabaceae Faboideae	*Dillwynia retorta*
	Fabaceae Faboideae	*Glycine clandestina*
	Fabaceae Faboideae	*Glycine tabacina*
	Fabaceae Faboideae	*Gompholobium latifolium*
	Fabaceae Faboideae	*Hardenbergia violacea*
	Fabaceae Faboideae	*Hovea linearis*
	Fabaceae Faboideae	*Phyllota phylicoides*
	Fabaceae Faboideae	*Pultenaea daphnoides*
	Fabaceae Faboideae	*Pultenaea elliptica*
	Fabaceae Faboideae	*Pultenaea ferruginea var deanei*
	Fabaceae Faboideae	*Pultenaea flexilis*
	Fabaceae Faboideae	*Pultenaea polifolia*
	Fabaceae Faboideae	*Pultenaea stipularis*
	Fabaceae Faboideae	*Viminaria juncea*
	Fabaceae-Mimosoideae	*Acacia binervia*
	Fabaceae-Mimosoideae	*Acacia decurrens*
	Fabaceae-Mimosoideae	*Acacia elata*
	Fabaceae-Mimosoideae	*Acacia floribunda*

	Fabaceae-Mimosoideae	*Acacia implexa*
	Fabaceae-Mimosoideae	*Acacia linifolia*
	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*
	Fabaceae-Mimosoideae	*Acacia mearnsii*
	Fabaceae-Mimosoideae	*Acacia parramattensis*
	Fabaceae-Mimosoideae	*Acacia suaveolens*
	Fabaceae-Mimosoideae	*Acacia terminalis*
	Fabaceae-Mimosoideae	*Acacia ulicifolia*
	Goodeniaceae	*Dampiera stricta*
	Goodeniaceae	*Goodenia bellidifolia*
	Goodeniaceae	*Scaevola ramosissima*
	Goodeniaceae	*Selliera radicans*
	Goodeniaceae	*Velleia spathulata*
	Haloragaceae	*Gonocarpus teucrioides*
	Lamiaceae	*Plectranthus parvifolius*
	Lobeliaceae	*Lobelia alata*
	Lobeliaceae	*Pratia purpurascens*
	Loganiaceae	*Logania albiflora*
	Loganiaceae	*Mitrasacme polymorpha*
	Loranthaceae	*Amyema congener ssp congener*
	Loranthaceae	*Amyema miquelii*
	Menispermaceae	*Sarcopetalum harveyanum*
	Menispermaceae	*Stephania japonica*
	Moraceae	*Ficus coronata*
	Moraceae	*Ficus macrophylla*
	Moraceae	*Ficus rubiginosa*
	Myrsinaceae	*Myrsine (Rapanea) variabilis*
	Myrtaceae	*Acmena smithii*
	Myrtaceae	*Angophora crassifolia*
	Myrtaceae	*Angophora hispida*
	Myrtaceae	*Austromyrtus tenuifolia*
	Myrtaceae	*Corymbia gummifera*
	Myrtaceae	*Darwinia fascicularis*
	Myrtaceae	*Eucalyptus botryoides*

	Myrtaceae	*Eucalyptus globoidea*
	Myrtaceae	*Eucalyptus haemastoma*
	Myrtaceae	*Eucalyptus luehmanniana 2 RCa*
	Myrtaceae	*Eucalyptus piperita*
	Myrtaceae	*Eucalyptus punctata*
	Myrtaceae	*Eucalyptus sieberi*
	Myrtaceae	*Kunzea ambigua*
	Myrtaceae	*Kunzea capitata*
	Myrtaceae	*Leptospermum polygalifolium ssp polygalifolium*
	Myrtaceae	*Leptospermum squarrosum*
	Myrtaceae	*Leptospermum trinervium*
	Myrtaceae	*Syncarpia glomulifera*
	Myrtaceae	*Tristaniopsis laurina*
	Oleaceae	*Notelaea longifolia*
	Oxalidaceae	*Oxalis corniculata*
	Pittosporaceae	*Billardiera scandens*
	Pittosporaceae	*Pittosporum revolutum*
	Pittosporaceae	*Pittosporum undulatum*
	Polygalaceae	*Comesperma ericinum*
	Polygonaceae	*Persicaria decipiens*
	Primulaceae	*Samolus repens*
	Proteaceae	*Banksia ericifolia*
	Proteaceae	*Banksia integrifolia*
	Proteaceae	*Banksia marginata*
	Proteaceae	*Banksia oblongifolia*
	Proteaceae	*Banksia serrata*
	Proteaceae	*Banksia spinulosa*
	Proteaceae	*Grevillea buxifolia*
	Proteaceae	*Grevillea linearifolia*
	Proteaceae	*Grevillea sericea*
	Proteaceae	*Grevillea speciosa*
	Proteaceae	*Hakea dactyloides*
	Proteaceae	*Hakea gibbosa*
	Proteaceae	*Hakea sericea*

	Proteaceae	*Hakea silaifolia*
	Proteaceae	*Hakea teretifolia*
	Proteaceae	*Isopogon anethifolius*
	Proteaceae	*Lambertia formosa*
	Proteaceae	*Lomatia myricoides*
	Proteaceae	*Lomatia silaifolia*
	Proteaceae	*Persoonia lanceolata*
	Proteaceae	*Persoonia levis*
	Proteaceae	*Persoonia pinifolia*
	Proteaceae	*Petrophile pulchella*
	Proteaceae	*Telopea speciosissima*
	Ranunculaceae	*Clematis aristata*
	Rhamnaceae	*Pomaderris aspera*
	Rhamnaceae	*Pomaderris elliptica*
	Rhamnaceae	*Pomaderris intermedia*
	Rubiaceae	*Morinda jasminoides*
	Rubiaceae	*Opercularia aspera*
	Rubiaceae	*Opercularia hispida*
	Rutaceae	*Boronia ledifolia*
	Rutaceae	*Boronia pinnata*
	Rutaceae	*Crowea saligna*
	Rutaceae	*Phebalium dentatum*
	Rutaceae	*Phebalium squameum*
	Rutaceae	*Phebalium squamulosum ssp squamulosum*
	Rutaceae	*Zieria pilosa*
	Sapindaceae	*Dodonaea triquetra*
	Scrophulariaceae	*Veronica calycina*
	Sterculiaceae	*Lasiopetalum ferrugineum var. ferrugineum*
	Stylidiaceae	*Stylidium productum*
	Thymeliaceae	*Pimelea linifolia ssp linifolia*
	Tremandraceae	*Tetratheca ericifolia*
	Verbenaceae	*Clerodendrum tomentosum*
	Vitaceae	*Cissus hypoglauca*

MONOCOTS	Anthericaceae	*Tricoryne simplex*
	Arecaceae	*Livistona australis*
	Blandfordiaceae	*Blandfordia nobilis*
	Commelinaceae	*Commelina cyanea*
	Cyperaceae	*Carex inversa*
	Cyperaceae	*Caustis flexuosa*
	Cyperaceae	*Caustis pentandra*
	Cyperaceae	*Cyperus brevifolius*
	Cyperaceae	*Gahnia clarkei*
	Cyperaceae	*Gahnia sieberiana*
	Cyperaceae	*Isolepis nodosus*
	Cyperaceae	*Lepidosperma laterale*
	Cyperaceae	*Schoenus imberbis*
	Cyperaceae	*Schoenus turbinatus*
	Iridaceae	*Patersonia glabrata*
	Iridaceae	*Patersonia sericea*
	Juncaceae	*Juncus kraussii var australiensis*
	Lomandraceae	*Lomandra confertifolia ssp pallida*
	Lomandraceae	*Lomandra filiformis ssp filiformis*
	Lomandraceae	*Lomandra glauca*
	Lomandraceae	*Lomandra longifolia*
	Lomandraceae	*Lomandra obliqua*
	Orchidaceae	*Cryptostylis erecta*
	Orchidaceae	*Cryptostylis subulata*
	Orchidaceae	*Dendrobium linguiforme*
	Orchidaceae	*Pterostylis pedunculata*
	Orchidaceae	*Pterostylis sp.*
	Orchidaceae	*Rimacola elliptica*
	Phormiaceae	*Dianella caerulea var producta*
	Phormiaceae	*Dianella prunina*
	Poaceae	*Anisopogon avenaceus*
	Poaceae	*Deyeuxia quadriseta*
	Poaceae	*Digitaria parviflora*
	Poaceae	*Echinopogon caespitosus*

	Poaceae	*Echinopogon ovatus*
	Poaceae	*Entolasia marginata*
	Poaceae	*Entolasia stricta*
	Poaceae	*Eragrostis brownii*
	Poaceae	*Eragrostis trachycarpa*
	Poaceae	*Imperata cylindrica*
	Poaceae	*Microlaena stipoides*
	Poaceae	*Oplismenus aemulus*
	Poaceae	*Oplismenus imbecillis*
	Poaceae	*Panicum effusum*
	Poaceae	*Paspalum vaginatum*
	Poaceae	*Poa affinis*
	Poaceae	*Sporobolus virginicus var minor*
	Poaceae	*Tetrarrhena juncea*
	Poaceae	*Themeda australis*
	Smilacaceae	*Smilax glyciphylla*
	Xanthorrhoeaceae	*Xanthorrhoea arborea*
	Xanthorrhoeaceae	*Xanthorrhoea media ssp. media*

5.14.2 Aboriginal Archaeological Site Information

Indigenous people utilised this reserve for its clean fresh and saltwater resources and significant sandstone rock ledges for shelter. Middens, shelter middens and shelter deposit sites have been recorded in the reserve. North Arm Reserve contains Aboriginal cultural sites however there are no known recorded sites in Willis Park.

North Arm Reserve		
AHO#	**AHIMS#**	**Site Type**
WILL-039	45-6-1731	Midden
WILL-040	45-6-1732	Midden
WILL-041	45-6-1733	Midden
WILL-042	45-6-1736	Shelter Midden
WILL-044	45-6-1734	Shelter Midden

WILL-045	45-6-1735	Shelter Midden
WILL-047	45-6-1730	Midden
WILL-147	45-6-2719	Shelter Midden
WILL-148	45-6-2720	Shelter Midden

5.14.3 Reserve Assets

Reserve Name	Asset Type	Asset Description	Material Description	Quantity	Comments
North Arm Reserve	Bench	No concrete base	Timber		Slab
North Arm Reserve	Bench	No concrete base	Timber		Slab with back and arms
North Arm Reserve	Bin	N/A	Plastic		Sulu bin
North Arm Reserve	Fence	Bollard	Metal		Steel bollards and chicken wire
North Arm Reserve	Fence	Other	Metal		Swing arm gate
North Arm Reserve	Fence	Other	Metal		Swing arm gate – shared access Sydney water
North Arm Reserve	Fence	Other	Slip rail		Sliding rail gate – shared access Sydney Water
North Arm Reserve	Fence	Other	Slip rail		Sliding rail gate damaged
North Arm Reserve	Fence	Other	Slip rail		Slip pipe gate unused
North Arm Reserve	Sign	General	Metal	3	Wildlife Protection Area
North Arm Reserve	Sign	General	Metal		Marine Neighbourhood Watch
North Arm Reserve	Sign	General	Metal		Interpretive – Azure
North Arm Reserve	Sign	General	Metal		Interpretive – Sediment
North Arm Reserve	Sign	General	Metal		Slow down wildlife protection area
North Arm Reserve	Sign	General	Timber	2	Wooden Name Sign
North Arm Reserve	Sign	General	Timber		North Arm Reserve - Routed
North Arm Reserve	Sign	General	Timber		Wooden Reserve sign
North Arm Reserve	Sign	Name	Timber		Routed
North Arm Reserve	Sign	Name	Timber/Metal		North Arm Walking Track
North Arm Reserve	Sign	Name	Timber/Metal		Welcome to North Arm Walking Track etched panel on timber frame

North Arm Reserve	Sign	Regulatory	Metal		North Arm Reserve metal timber 2 posts naming
North Arm Reserve	Sign	Regulatory	Metal		Triangular
Willis Park	Fence	General Fencing	Chain Mesh	2	Safety fencing - drop-off
Willis Park	Fence	Other	Metal		Swing arm gate
Willis Park	Sign	General	Metal	2	Wildlife Protection Area
Willis Park	Sign	General	Timber		Wooden reserve sign
Willis Park	Sign	Name	Timber/Metal		Two Posts
Willis Park	Sign	Wall	Concrete		Suburb name – aggregate

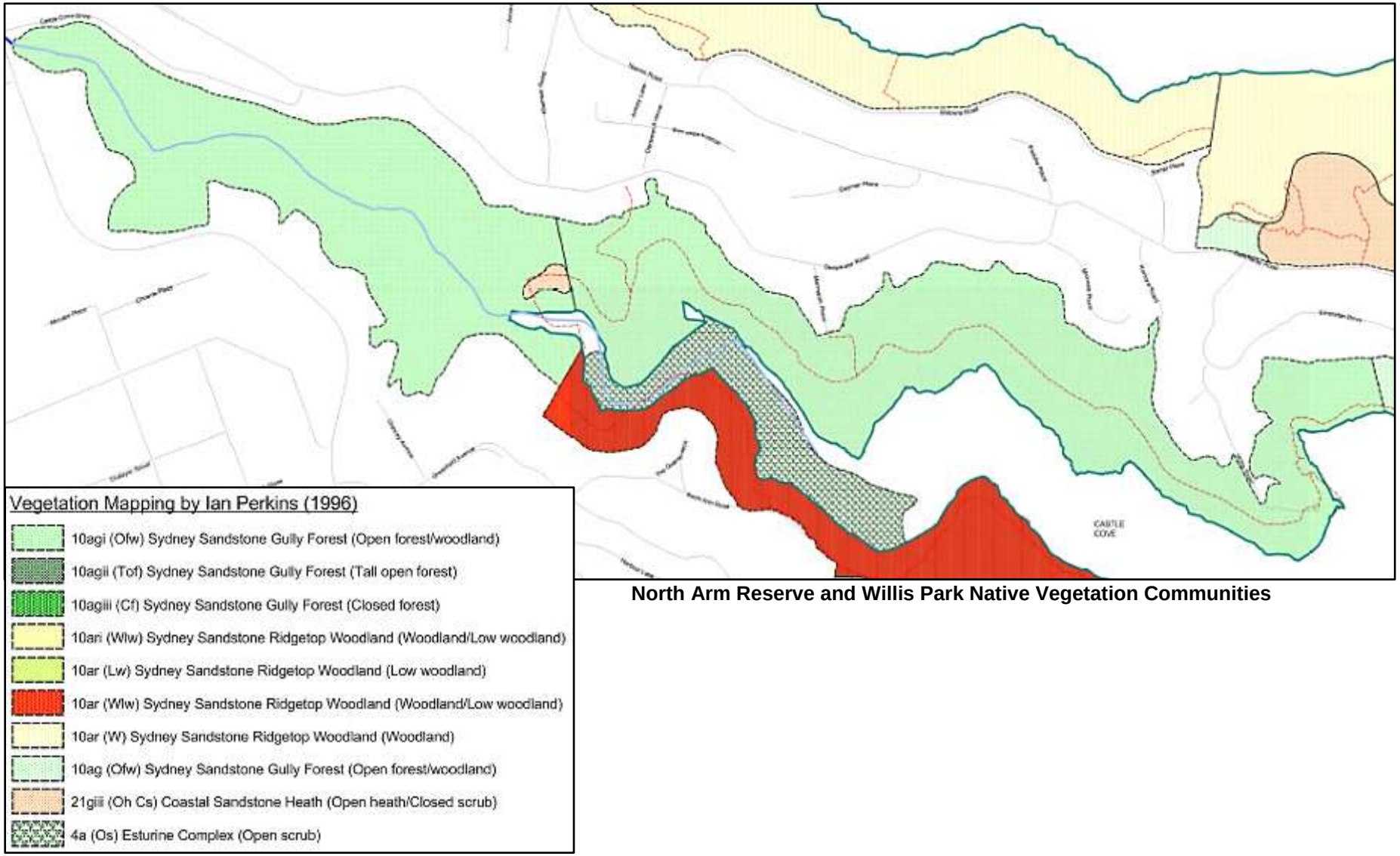
5.14.4 Heritage Listed Items

Reserve	Item	Heritage Listing	Address
North Arm Reserve	Scotts Creek Sewage Aqueduct	Heritage Act - s.170 NSW State agency heritage register	Deepwater Road, Castle Cove and North Willoughby
North Arm Reserve	Willis Road Wharf	Regional Environmental Plan	Willis Road, Castle Cove
Willis Park	Culvert and Retaining Wall	Heritage Act - s.170 NSW State agency heritage register	Eastern Valley Way, Over Scotts Creek, Castle Cove

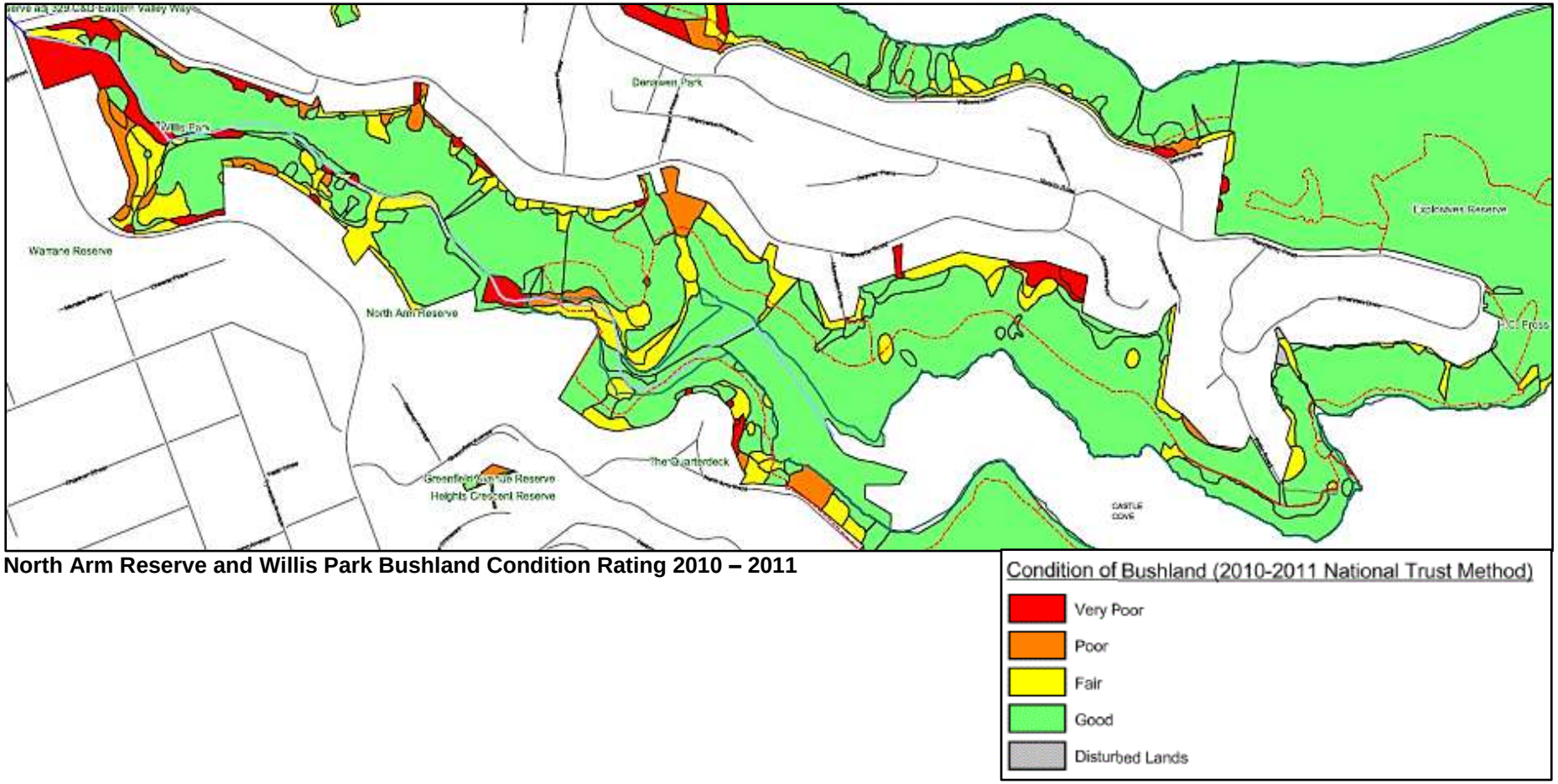
5.14.5 Maps

North Arm Reserve and Willis Park Outline

North Arm Reserve and Willis Park Outline Aerial



North Arm Reserve and Willis Park Native Vegetation Communities



North Arm Reserve and Willis Park Bushland Condition Rating 2010 – 2011

5.15 Northbridge Park Group

The Northbridge Park Group consists of Northbridge Park, Elizabeth Park and Fig Tree Point (also know as Hallstrom Point) located in Northbridge. Northbridge Park is 46.7 hectares in total consisting of 22.7 hectares of remnant bushland and the remainder for recreation. The northern boundary is Sailors Bay road, with Tunks Park and Middle Harbour to the south. The largest proportion of the Park is utilised by Northbridge Golf Club under lease from Willoughby City Council. Northbridge Park is Crown land zoned RE1.

Approximately 300 metres east of Northbridge Park is Elizabeth Park which is a 0.2 hectare of remnant bushland located between 25 and 27 Coolawin Rd, Northbridge, close to Fig Tree Point.
Northbridge, Elizabeth Park and Fig Tree Point are located in the Flat Rock Creek catchment part of the Middle Harbour catchment area.

5.15.1 Native Plant Species List

Northbridge Park		
	Family	**Genus-species**
CONIFERS	Podocarpaceae	*Podocarpus spinulosus*
FERNS	Aspleniaceae	*Asplenium australasicum*
	Blechnaceae	*Blechnum cartilagineum*
	Blechnaceae	*Blechnum patersonii*
	Blechnaceae	*Doodia aspera*
	Cyatheaceae	*Cyathea australis*
	Cyatheaceae	*Cyathea cooperi*
	Dennstaedtiaceae	*Histiopteris incisa*
	Dennstaedtiaceae	*Hypolepis muelleri*
	Dennstaedtiaceae	*Pteridium esculentum*
	Dicksoniaceae	*Calochlaena dubia*
	Gleicheniaceae	*Gleichenia dicarpa*
	Lindsaeaceae	*Lindsaea linearis*
	Polypodiaceae	*Platycerium bifurcatum*
	Polypodiaceae	*Pyrrosia rupestris*
	Pteridaceae	*Cheilanthes sieberi*

	Pteridaceae	*Pellaea falcata*
	Thelypteridaceae	*Christella dentata*
DICOTS	Acanthaceae	*Pseuderanthemum variabile*
	Apiaceae	*Actinotus helianthi*
	Apiaceae	*Actinotus minor*
	Apiaceae	*Centella asiatica*
	Apiaceae	*Hydrocotyle peduncularis*
	Apiaceae	*Platysace linearifolia*
	Apiaceae	*Platysace stephensonii*
	Apiaceae	*Xanthosia pilosa*
	Apocynaceae	*Parsonsia straminea*
	Araliaceae	*Polyscias sambucifolia*
	Asclepiadaceae	*Marsdenia suaveolens*
	Asclepiadaceae	*Tylophora barbata*
	Asteraceae	*Cassinia denticulata*
	Bignoniaceae	*Pandorea pandorana*
	Campanulaceae	*Wahlenbergia gracilis*
	Campanulaceae	*Wahlenbergia stricta*
	Cassythaceae	*cassytha paniculata*
	Casuarinaceae	*Allocasuarina distyla*
	Casuarinaceae	*Allocasuarina littoralis*
	Casuarinaceae	*Casuarina glauca*
	Convolvulaceae	*Dichondra repens*
	Cunoniaceae	*Bauera rubioides*
	Cunoniaceae	*Callicoma serratifolia*
	Dilleniaceae	*Hibbertia decurens*
	Dilleniaceae	*Hibbertia scandens*
	Elaeocarpaceae	*Elaeocarpus reticulatus*
	Ericaceae Styphelioideae	*Epacris longiflora*
	Euphorbiaceae	*Amperea xiphoclada*
	Euphorbiaceae	*Breynia oblongifolia*
	Euphorbiaceae	*Glochidion ferdinandi*

	Euphorbiaceae	*Micrantheum ericoides*
	Euphorbiaceae	*Phyllanthus hirtellus (syn. P. thymoides)*
	Fabaceae Faboideae	*Glycine clandestina*
	Fabaceae Faboideae	*Gompholobium grandiflorum*
	Fabaceae Faboideae	*Hardenbergia violacea*
	Fabaceae Faboideae	*Indigofera australis*
	Fabaceae Faboideae	*Kennedia rubicunda*
	Fabaceae Faboideae	*Platylobium formosum ssp formosum*
	Fabaceae Faboideae	*Pultenaea daphnoides*
	Fabaceae Faboideae	*Pultenaea elliptica*
	Fabaceae-Mimosoideae	*Acacia decurrens*
	Fabaceae-Mimosoideae	*Acacia floribunda*
	Fabaceae-Mimosoideae	*Acacia linifolia*
	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*
	Fabaceae-Mimosoideae	*Acacia mearnsii*
	Fabaceae-Mimosoideae	*Acacia myrtifolia*
	Fabaceae-Mimosoideae	*Acacia suaveolens*
	Fabaceae-Mimosoideae	*Acacia terminalis*
	Fabaceae-Mimosoideae	*Acacia ulicifolia*
	Goodeniaceae	*Goodenia sp*
	Haloragaceae	*Gonocarpus micranthus*
	Haloragaceae	*Gonocarpus teucrioides*
	Lamiaceae	*Plectranthus parvifolius*
	Lobeliaceae	*Lobelia gracilis*
	Lobeliaceae	*Pratia purpurascens*
	Menispermaceae	*Stephania japonica*
	Moraceae	*Ficus rubiginosa*
	Myrtaceae	*Acmena smithii*
	Myrtaceae	*Angophora bakeri*
	Myrtaceae	*Angophora costata*
	Myrtaceae	*Angophora hispida*
	Myrtaceae	*Corymbia gummifera*
	Myrtaceae	*Darwinia fascicularis*

	Myrtaceae	*Eucalyptus botryoides*
	Myrtaceae	*Eucalyptus camfieldii*
	Myrtaceae	*Eucalyptus haemastoma*
	Myrtaceae	*Eucalyptus maculata*
	Myrtaceae	*Eucalyptus pilularis*
	Myrtaceae	*Eucalyptus piperita*
	Myrtaceae	*Eucalyptus punctata*
	Myrtaceae	*Eucalyptus resinifera*
	Myrtaceae	*Kunzea ambigua*
	Myrtaceae	*Leptospermum laevigatum*
	Myrtaceae	*Leptospermum squarrosum*
	Myrtaceae	*Melaleuca sp.*
	Myrtaceae	*Melaleuca styphelioides*
	Oleaceae	*Notelaea longifolia*
	Pittosporaceae	*Billardiera scandens*
	Pittosporaceae	*Pittosporum revolutum*
	Pittosporaceae	*Pittosporum undulatum*
	Polygonaceae	*Rumex brownii*
	Proteaceae	*Banksia ericifolia*
	Proteaceae	*Banksia integrifolia*
	Proteaceae	*Banksia marginata*
	Proteaceae	*Banksia oblongifolia*
	Proteaceae	*Banksia serrata*
	Proteaceae	*Grevillea buxifolia*
	Proteaceae	*Grevillea linearifolia*
	Proteaceae	*Grevillea sericea*
	Proteaceae	*Grevillea speciosa*
	Proteaceae	*Hakea dactyloides*
	Proteaceae	*Hakea gibbosa*
	Proteaceae	*Hakea teretifolia*
	Proteaceae	*Lomatia silaifolia*
	Proteaceae	*Persoonia levis*
	Proteaceae	*Persoonia pinifolia*

	Rubiaceae	*Opercularia aspera*
	Rubiaceae	*Pomax umbellata*
	Rutaceae	*Crowea saligna*
	Rutaceae	*Phebalium dentatum*
	Rutaceae	*Zieria laevigata*
	Rutaceae	*Zieria pilosa*
	Rutaceae	*Zieria smithii*
	Sapindaceae	*Dodonaea triquetra*
	Scrophulariaceae	*Veronica plebeia*
	Sterculiaceae	*Lasiopetalum ferrugineum var. ferrugineum*
	Thymeliaceae	*Pimelea linifolia*
	Thymeliaceae	*Wikstroemia indica*
	Verbenaceae	*Clerodendrum tomentosum*
	Vitaceae	*Cayratia clematidea*
	Vitaceae	*Cissus antarctica*
	Vitaceae	*Cissus hypoglauca*
MONOCOTS	Commelinaceae	*Commelina cyanea*
	Cyperaceae	*Gahnia erythrocarpa*
	Cyperaceae	*Isolepis inundatus*
	Cyperaceae	*Isolepis nodosus*
	Cyperaceae	*Lepidosperma laterale*
	Cyperaceae	*Lepidosperma longitudinale*
	Cyperaceae	*Schoenus melanostachys*
	Iridaceae	*Patersonia sericea*
	Juncaceae	*Juncus usitatus*
	Lomandraceae	*Lomandra cylindrica*
	Lomandraceae	*Lomandra filiformis ssp filiformis*
	Lomandraceae	*Lomandra longifolia*
	Lomandraceae	*Lomandra multiflora*
	Lomandraceae	*Lomandra obliqua*
	Luzuriagaceae	*Eustrephus latifolius*
	Philesiaceae	*Geitonoplesium cymosum*

	Phormiaceae	*Dianella caerulea var caerulea*
	Phormiaceae	*Dianella revoluta*
	Poaceae	*Anisopogon avenaceus*
	Poaceae	*Cymbopogon refractus*
	Poaceae	*Dichelachne crinita*
	Poaceae	*Digitaria parviflora*
	Poaceae	*Echinopogon caespitosus*
	Poaceae	*Entolasia marginata*
	Poaceae	*Entolasia stricta*
	Poaceae	*Eragrostis brownii*
	Poaceae	*Imperata cylindrica*
	Poaceae	*Microlaena stipoides*
	Poaceae	*Oplismenus imbecillis*
	Poaceae	*Paspalidium aversum*
	Poaceae	*Paspalidium distans*
	Poaceae	*Themeda australis*
	Restionaceae	*Restio sp*
	Smilacaceae	*Smilax glyciphylla*
	Uvulariaceae	*Schelhammera undulata*
	Xanthorrhoeaceae	*Xanthorrhoea media ssp. media*

5.15.2 Aboriginal Archaeological Site Information

Northbridge Group				
AHO#	**AHIMS#**	**Site Type**	**Site Type 2**	**Site Type 3**
WILL-003	45-6-0188	Midden		
WILL-004	45-6-0244	Shelter Midden		
WILL-011	45-6-0487	Shelter Midden		
WILL-015	45-6-0644	Shelter Art		
WILL-017	45-6-0654	Shelter Art	Shelter Midden	Burial
WILL-018	45-6-0097	Midden		

WILL-022	45-6-0992	Shelter Midden		
WILL-023	45-6-1887	Shelter Midden		
WILL-025	45-6-0996	Shelter Art	Shelter Midden	
WILL-026	45-6-0997	Shelter Midden		
WILL-027	45-6-1000	Midden		
WILL-028	45-6-1001	Shelter Midden		
WILL-030	45-6-1121	Shelter Midden		
WILL-055	45-6-2111	Shelter Art		
WILL-056	45-6-2122	Shelter Midden		
WILL-080	45-6-0195	Midden		
WILL-081	45-6-0271	Engraving		
WILL-082	45-6-0293	Midden		
WILL-086	45-6-0998	Shelter Midden		
WILL-087	45-6-0999	Midden		
WILL-096	45-6-1120	Shelter Midden		
WILL-113	45-6-2222	Shelter Midden		
WILL-153	45-6-2725	Fish Trap		
WILL-166	45-6-new	Engraving		
WILL-169	45-6-3011	Midden		
WILL-170	45-6-3012	Shelter Midden		

5.15.3 Reserve Assets

Reserve Name	Asset Type	Asset Description	Material Description	Quantity	Comments
Elizabeth Park	Bench	Concrete base	Timber/Metal		
Elizabeth Park	Garden	Informal	No edging		
Elizabeth Park	Plaque	Other	N/A		Location unknown
Elizabeth Park	Sign	Name	N/A		
Fig Tree Point	Bench	No concrete base	Timber/Metal	2	
Fig Tree Point	Bin	N/A	Plastic		On stand
Fig Tree Point	Fence	General Fencing	Galv Metal Balustrade		

Fig Tree Point	Fence	Retaining Wall	Stone		
Fig Tree Point	Garden	Informal	No edging		
Fig Tree Point	Sign	Name	N/A		
Fig Tree Point	Sign	Regulatory	N/A		
Northbridge Park & Memorial Reserve	BBQ	Brick or metal surrounds and concrete base	N/A	2	
Northbridge Park & Memorial Reserve	BBQ	Electric Single plate	N/A	2	
Northbridge Park & Memorial Reserve	Bench	Concrete base	Timber/Metal	9	
Northbridge Park & Memorial Reserve	Bench	No concrete base	Concrete/Timber		
Northbridge Park & Memorial Reserve	Bench	No concrete base	Timber/Metal	5	
Northbridge Park & Memorial Reserve	Bin	N/A	Plastic	6	on stand
Northbridge Park & Memorial Reserve	Bubbler	N/A	Metal On Timber Post		
Northbridge Park & Memorial Reserve	Dirt bike track	N/A	N/A		
Northbridge Park & Memorial Reserve	Fence	General Fencing	Chain Mesh	3	
Northbridge Park & Memorial Reserve	Fence	General Fencing	Galv Metal Balustrade		
Northbridge Park & Memorial Reserve	Fence	Playground Fence	Chain Mesh	3	
Northbridge Park & Memorial Reserve	Fence	Retaining Wall	Sandstone	4	sandstone blocks
Northbridge Park & Memorial Reserve	Fence	Wall	Sandstone	2	sandstone blocks
Northbridge Park & Memorial Reserve	Flagpole	N/A	Metal		
Northbridge Park & Memorial Reserve	Garden	Informal	No edging		
Northbridge Park & Memorial Reserve	Garden	Semi-formal	No edging	2	
Northbridge Park & Memorial Reserve	Garden	Semi-formal	Stone Edging		
Northbridge Park & Memorial Reserve	Gazebo/Shelter	Complex shelter	Timber/Metal		installed 2012
Northbridge Park & Memorial Reserve	Gazebo/Shelter	Picnic setting shelter	Timber/Metal		
Northbridge Park & Memorial Reserve	Lighting	Light post	N/A	2	
Northbridge Park & Memorial Reserve	Picnic Setting	Concrete base	Timber	2	
Northbridge Park & Memorial Reserve	Picnic Setting	Concrete base	Treated Pine	2	
Northbridge Park & Memorial Reserve	Picnic Setting	No Concrete base	Timber		installed 2012
Northbridge Park & Memorial Reserve	Plaque	Other	N/A		Northbridge memorial

					gardens
Northbridge Park & Memorial Reserve	Sign	General	N/A		no dogs
Northbridge Park & Memorial Reserve	Sign	General	N/A		on swing gate - no parking, ambulance access
Northbridge Park & Memorial Reserve	Sign	General	N/A		newly planted area
Northbridge Park & Memorial Reserve	Sign	General	N/A		nbg bike skills park
Northbridge Park & Memorial Reserve	Sign	General	N/A		bushcare group
Northbridge Park & Memorial Reserve	Sign	General	Metal	2	No Dumping
Northbridge Park & Memorial Reserve	Sign	Name	N/A	3	
Northbridge Park & Memorial Reserve	Sign	Name	Timber		Northbridge Park
Northbridge Park & Memorial Reserve	Sign	Name	Timber/Metal		Northbridge park
Northbridge Park & Memorial Reserve	Sign	Regulatory	N/A	3	
Northbridge Park & Memorial Reserve	Other	N/A	N/A		fire pit and sandstone seating

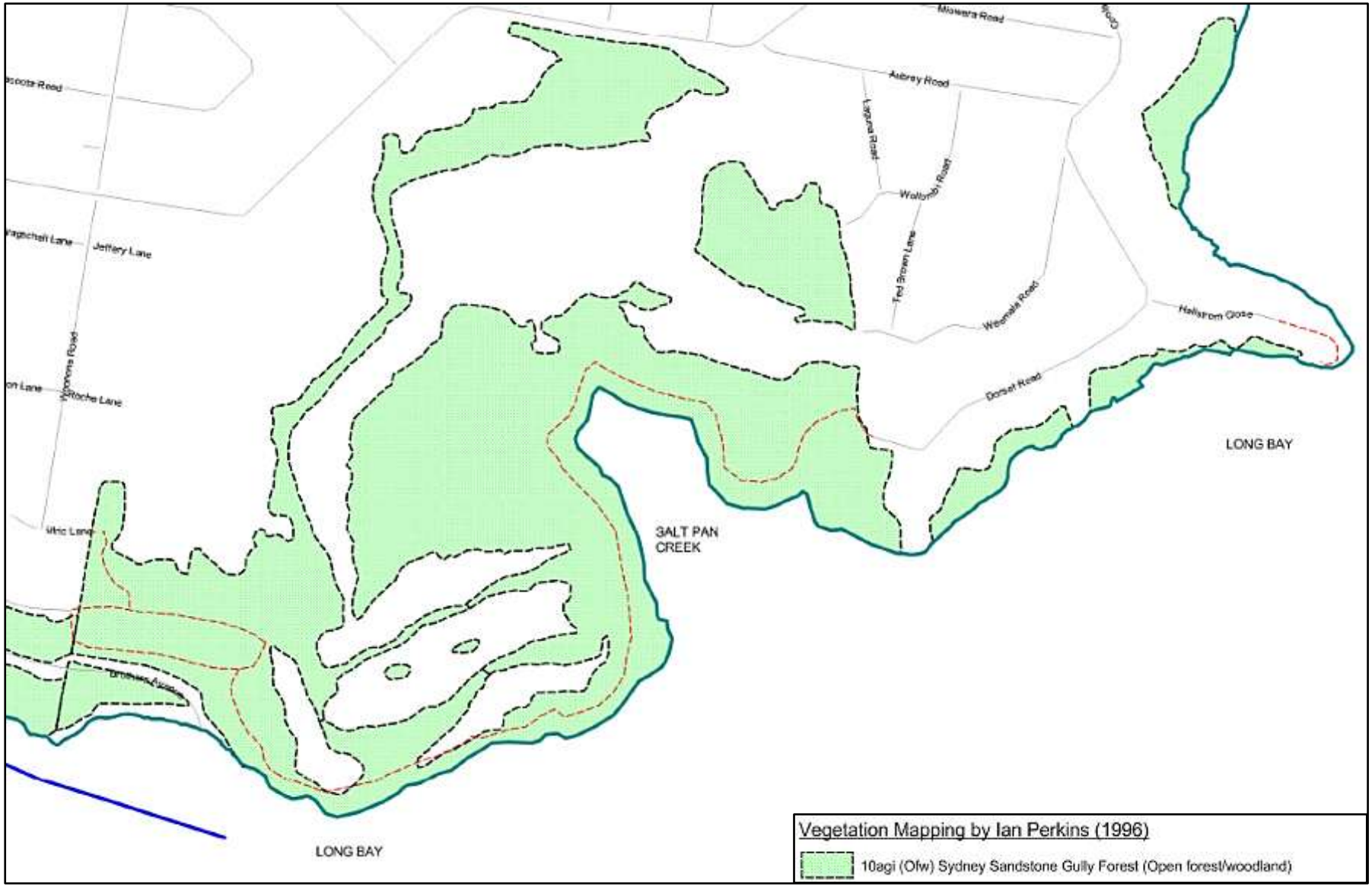
5.15.4 Heritage Listed Items

Reserve	Item	Heritage Listing	Address
Fig Tree Point	Site & remains of wharfage	Regional Environmental Plan	Hallstrom Close, Northbridge

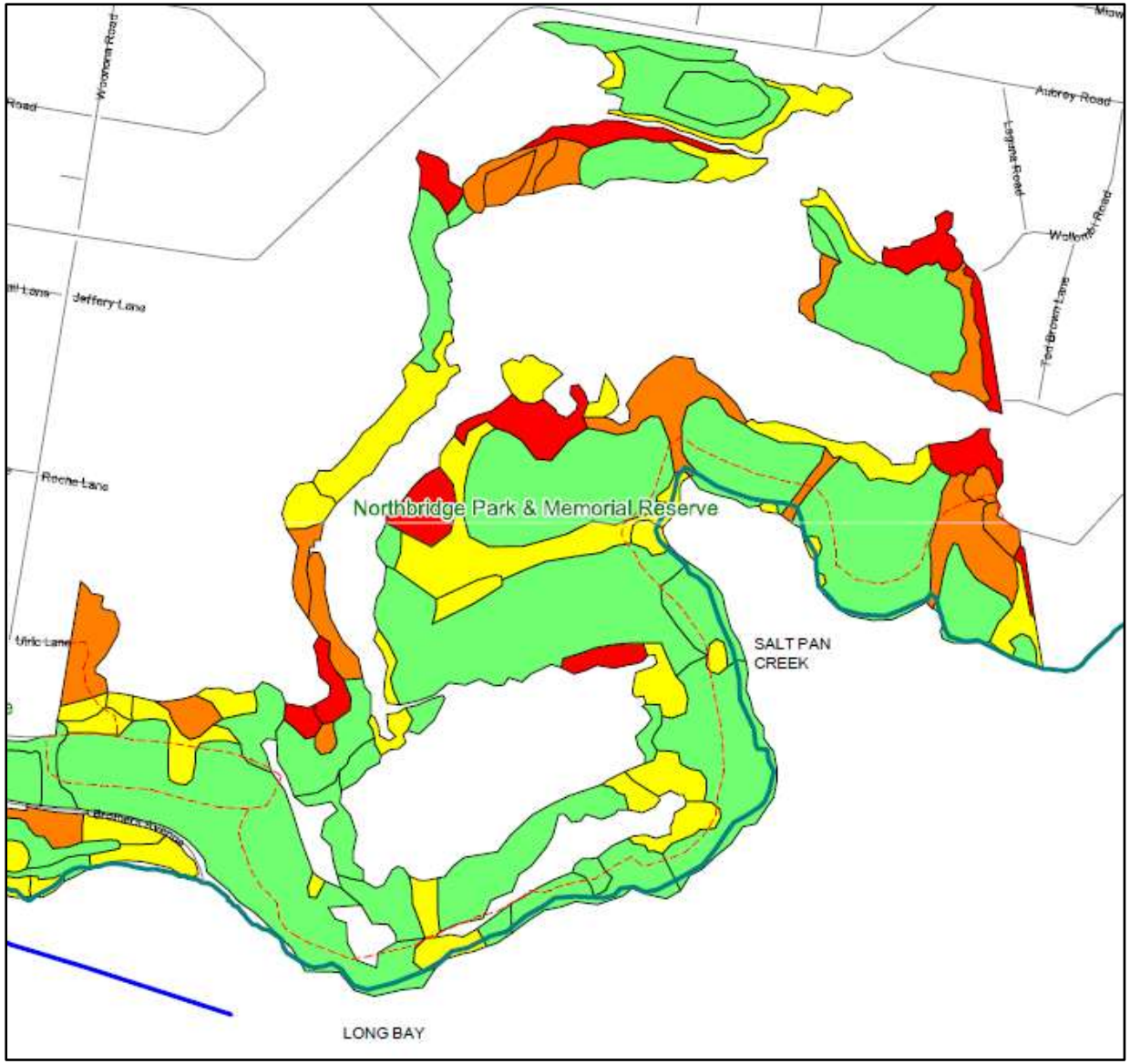
5.15.5 Maps

Northbridge Park Group Outline

Northbridge Park Group Outline Aerial



Northbridge Park Group Native Vegetation Communitites



Northbridge Park Group Bushland Condition Rating 2010 – 2011

5.16 O.H. Reid Reserve

O.H. Reid Reserve is a narrow 9.3 hectare piece of bushland within the Lane Cove River estuary system in Chatswood West. It is irregular in shape and is almost bisected by Chatswood Golf Course which extends south of the reserve. To the east the reserve is bordered by residential properties, west is the Lane Cove River and north is bounded by Millwood Avenue. Swaines Creek runs through the southern section of the reserve and there is an oval in the centre. O.H. Reid Reserve is located in the Lane Cove River catchment area.

5.16.1 Native Plant Species List

O.H. Reid Park Group			Swaines Creek	O.H. Reid Reserve
			National Trust 1980	Reserve Action Plan 2011
	Family	**Genus-species**		
FORK FERNS	Psilotaceae	*Psilotum nudum*		•
CONIFERS	Cupressaceae	*Callitris rhomboidea*		•
	Podocarpaceae	*Podocarpus elatus*		•
	Podocarpaceae	*Podocarpus spinulosus*		•
FERNS	Adiantaceae	*Adiantum aethiopicum*		•
	Aspleniaceae	*Asplenium australasicum*		•
	Blechnaceae	*Blechnum ambiguum*		•
	Blechnaceae	*Doodia caudata*		•
	Cyatheaceae	*Cyathea australis*		•
	Cyatheaceae	*Cyathea cooperi*		•
	Dennstaedtiaceae	*Histiopteris incisa*		•
	Dennstaedtiaceae	*Hypolepis muelleri*		•

	Dennstaedtiaceae	*Pteridium esculentum*		•
	Dicksoniaceae	*Calochlaena dubia*		•
	Lindsaeaceae	*Lindsaea linearis*		•
DICOTS	Acanthaceae	*Pseuderanthemum variabile*		•
	Apiaceae	*Actinotus minor*		•
	Apiaceae	*Centella asiatica*	•	•
	Apiaceae	*Hydrocotyle peduncularis*		•
	Apiaceae	*Platysace lanceolata*		•
	Apiaceae	*Xanthosia pilosa*		•
	Araliaceae	*Astrotricha floccosa*		•
	Araliaceae	*Polyscias sambucifolia*		•
	Asteraceae	*Cassinia aculeata*		•
	Asteraceae	*Cotula australis*		•
	Asteraceae	*Ozothamnus diosmifolium*		•
	Asteraceae	*Senecio hispidulus*		•
	Bignoniaceae	*Pandorea pandorana*		•
	Cassythaceae	*Cassytha pubescens*		•
	Casuarinaceae	*Allocasuarina littoralis*	•	•
	Casuarinaceae	*Casuarina glauca*		•
	Clusiaceae	*Hypericum gramineum*		•
	Convolvulaceae	*Dichondra repens*		•
	Cunoniaceae	*Callicoma serratifolia*	•	•
	Cunoniaceae	*Ceratopetalum gummiferum*		•
	Dilleniaceae	*Hibbertia dentata*		•
	Dilleniaceae	*Hibbertia scandens*		•
	Droseraceae	*Drosera peltata*		•
	Elaeocarpaceae	*Elaeocarpus reticulatus*		•
	Ericaceae Styphelioideae	*Epacris microphylla*		•
	Ericaceae Styphelioideae	*Leucopogon ericoides*		•
	Ericaceae Styphelioideae	*Monotoca scoparia*		•
	Ericaceae Styphelioideae	*Woollsia pungens*		•
	Euphorbiaceae	*Amperea xiphoclada*		•
	Euphorbiaceae	*Breynia oblongifolia*		•

	Euphorbiaceae	*Glochidion ferdinandi*		•
	Euphorbiaceae	*Micrantheum ericoides*		•
	Euphorbiaceae	*Omalanthus populifolius*	•	•
	Euphorbiaceae	*Phyllanthus gastroemii*		•
	Euphorbiaceae	*Poranthera microphylla*		•
	Fabaceae Faboideae	*Bossiaea obcordata*		•
	Fabaceae Faboideae	*Dillwynia retorta*	•	
	Fabaceae Faboideae	*Glycine clandestina*		•
	Fabaceae Faboideae	*Gompholobium grandiflorum*		•
	Fabaceae Faboideae	*Kennedia rubicunda*		•
	Fabaceae Faboideae	*Pultenaea flexilis*		•
	Fabaceae Faboideae	*Pultenaea stipularis*	•	
	Fabaceae-Mimosoideae	*Acacia binervia*		•
	Fabaceae-Mimosoideae	*Acacia decurrens*		•
	Fabaceae-Mimosoideae	*Acacia linifolia*	•	•
	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*		•
	Fabaceae-Mimosoideae	*Acacia parramattensis*		•
	Fabaceae-Mimosoideae	*Acacia suaveolens*		•
	Fabaceae-Mimosoideae	*Acacia terminalis*		•
	Fabaceae-Mimosoideae	*Acacia ulicifolia*		•
	Geraniaceae	*Geraneum homeanum*		•
	Haloragaceae	*Gonocarpus micranthus*		•
	Lauraceae	*Endiandra sieberi*		•
	Lobeliaceae	*Pratia purpurascens*		•
	Menispermaceae	*Stephania japonica*		•
	Moraceae	*Ficus rubiginosa*		•
	Myrsinaceae	*Aegiceras corniculatum*		•
	Myrsinaceae	*Myrsine (Rapanea) variabilis*		•
	Myrtaceae	*Angophora costata*	•	•
	Myrtaceae	*Corymbia gummifera*	•	•
	Myrtaceae	*Eucalyptus haemastoma*		•
	Myrtaceae	*Eucalyptus pilularis*	•	•
	Myrtaceae	*Eucalyptus piperita*	•	•
	Myrtaceae	*Eucalyptus punctata*		•

	Myrtaceae	*Eucalyptus resinifera*		•
	Myrtaceae	*Kunzea ambigua*	•	•
	Myrtaceae	*Leptospermum trinervium*		•
	Myrtaceae	*Syncarpia glomulifera*		•
	Myrtaceae	*Tristaniopsis laurina*		•
	Oleaceae	*Notelaea longifolia*		•
	Oxalidaceae	*Oxalis corniculata*		•
	Pittosporaceae	*Billardiera scandens*		•
	Pittosporaceae	*Bursaria spinosa*		•
	Pittosporaceae	*Pittosporum revolutum*		•
	Pittosporaceae	*Pittosporum undulatum*	•	•
	Primulaceae	*Samolus repens*		•
	Proteaceae	*Banksia integrifolia*		•
	Proteaceae	*Banksia oblongifolia*		•
	Proteaceae	*Banksia serrata*	•	•
	Proteaceae	*Banksia spinulosa*		•
	Proteaceae	*Grevillea buxifolia*		•
	Proteaceae	*Grevillea linearifolia*	•	•
	Proteaceae	*Lambertia formosa*	•	•
	Proteaceae	*Lomatia silaifolia*		•
	Proteaceae	*Persoonia lanceolata*	•	
	Proteaceae	*Persoonia levis*		•
	Proteaceae	*Persoonia pinifolia*		•
	Ranunculaceae	*Clematis aristata*		•
	Rhamnaceae	*Pomaderris elliptica*		•
	Rubiaceae	*Morinda jasminoides*		•
	Rubiaceae	*Opercularia aspera*		•
	Rubiaceae	*Pomax umbellata*		•
	Rutaceae	*Phebalium dentatum*		•
	Rutaceae	*Zieria pilosa*		•
	Rutaceae	*Zieria smithii*		•
	Sapindaceae	*Dodonaea triquetra*	•	•
	Scrophulariaceae	*Veronica plebeia*		•
	Solanaceae	*Solanum aviculare*		•

	Sterculiaceae	*Lasiopetalum ferrugineum var. ferrugineum*		•
	Stylidiaceae	*Stylidium productum*		•
	Verbenaceae	*Avicennia marina var. australasica*		•
	Violaceae	*Viola hederacea*		•
	Vitaceae	*Cayratia clematidea*		•
	Vitaceae	*Cissus antarctica*		•
	Vitaceae	*Cissus hypoglauca*		•
MONOCOTS	Anthericaceae	*Tricoryne simplex*		•
	Commelinaceae	*Commelina cyanea*	•	•
	Cyperaceae	*Caustis flexuosa*		•
	Cyperaceae	*Cyperus gracilis*		•
	Cyperaceae	*Gahnia sieberiana*		•
	Cyperaceae	*Gahnia spp.*	•	
	Cyperaceae	*Isolepis cernua*		•
	Cyperaceae	*Lepidosperma laterale*		•
	Cyperaceae	*Schoenus melanostachys*		•
	Juncaceae	*Juncus usitatus*		•
	Lomandraceae	*Lomandra filiformis ssp coriacea*		•
	Lomandraceae	*Lomandra filiformis ssp filiformis*		•
	Lomandraceae	*Lomandra glauca*		•
	Lomandraceae	*Lomandra longifolia*	•	•
	Lomandraceae	*Lomandra obliqua*		•
	Orchidaceae	*Calochilus campestris*		•
	Orchidaceae	*Cryptostylis erecta*		•
	Orchidaceae	*Microtis parviflora*		•
	Philesiaceae	*Geitonoplesium cymosum*		•
	Phormiaceae	*Dianella caerulea var caerulea*	•	•
	Poaceae	*Anisopogon avenaceus*		•
	Poaceae	*Aristida vagans*		•
	Poaceae	*Austrostipa pubescens*		•
	Poaceae	*Deyeuxia quadriseta*		•
	Poaceae	*Echinopogon caespitosus*		•
	Poaceae	*Entolasia marginata*		•

	Poaceae	*Entolasia stricta*		•
	Poaceae	*Hemarthria unicinata*		•
	Poaceae	*Imperata cylindrica*	•	•
	Poaceae	*Lachnagrostis filiformis*		•
	Poaceae	*Microlaena stipoides*		•
	Poaceae	*Oplismenus imbecillis*	•	•
	Poaceae	*Panicum simile*		•
	Poaceae	*Themeda australis*		•
	Restionaceae	*Lepyrodia scariosa*		•
	Smilacaceae	*Smilax glyciphylla*		•
	Xanthorrhoeaceae	*Xanthorrhoea arborea*	•	•
	Xanthorrhoeaceae	*Xanthorrhoea media ssp. media*		•

5.16.2 Aboriginal Archaeological Site Information

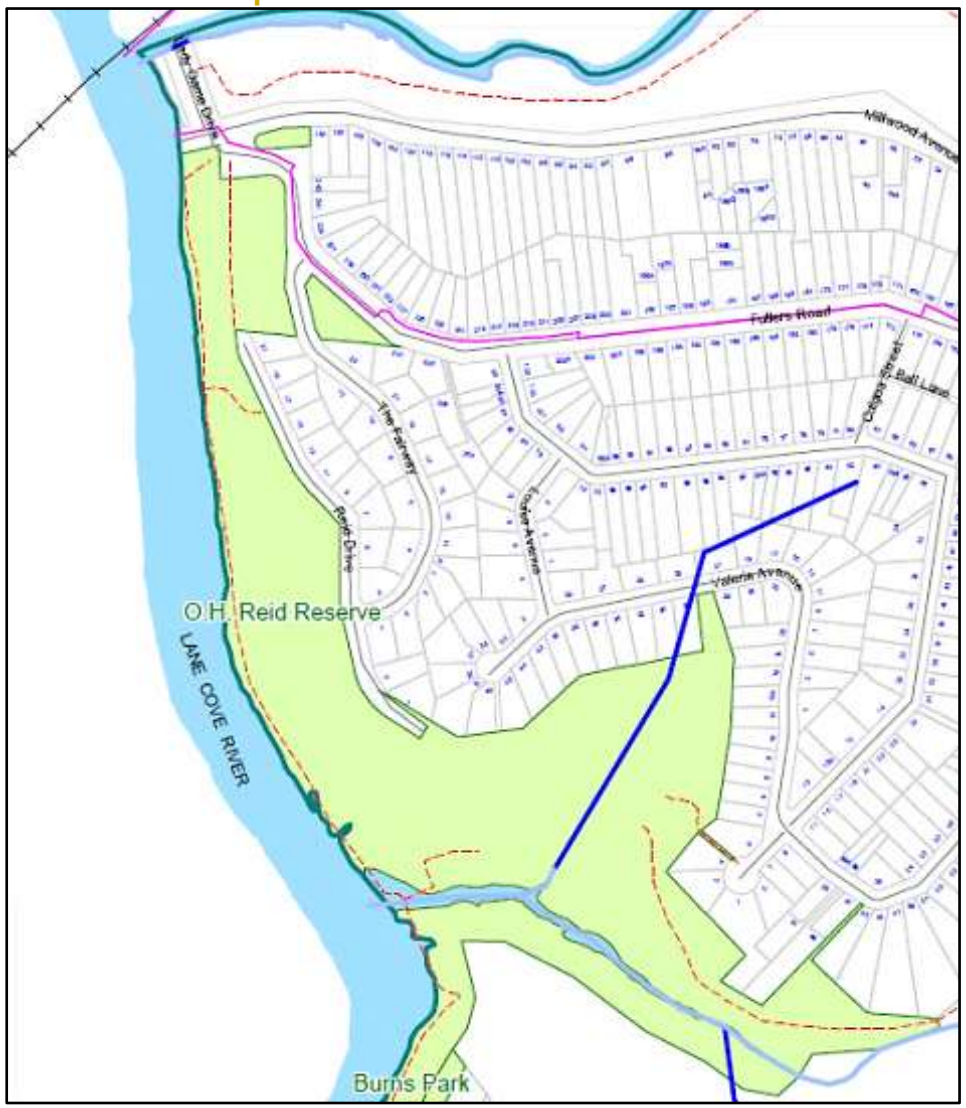
There are no recorded Aboriginal archaeological sites in O.H. Reid Reserve.

5.16.3 Reserve Assets

Reserve Name	Asset Type	Asset Description	Material Description	Quantity	Comments
O.H. Reid Reserve	BBQ	Brick or metal surrounds and concrete base	N/A	2	
O.H. Reid Reserve	BBQ	Electric Single plate	N/A	2	
O.H. Reid Reserve	Bench	No concrete base	Natural Log		Slab with back
O.H. Reid Reserve	Bench	No concrete base	Timber/Metal	2	all timber
O.H. Reid Reserve	Bike rack	N/A	N/A		3 no. steel bike racks on concrete pad
O.H. Reid Reserve	Bin	N/A	Plastic	3	on metal stand
O.H. Reid Reserve	Bin	N/A	Plastic		dog bin on metal stand
O.H. Reid Reserve	Bubbler	Accessible	Metal Free Standing		

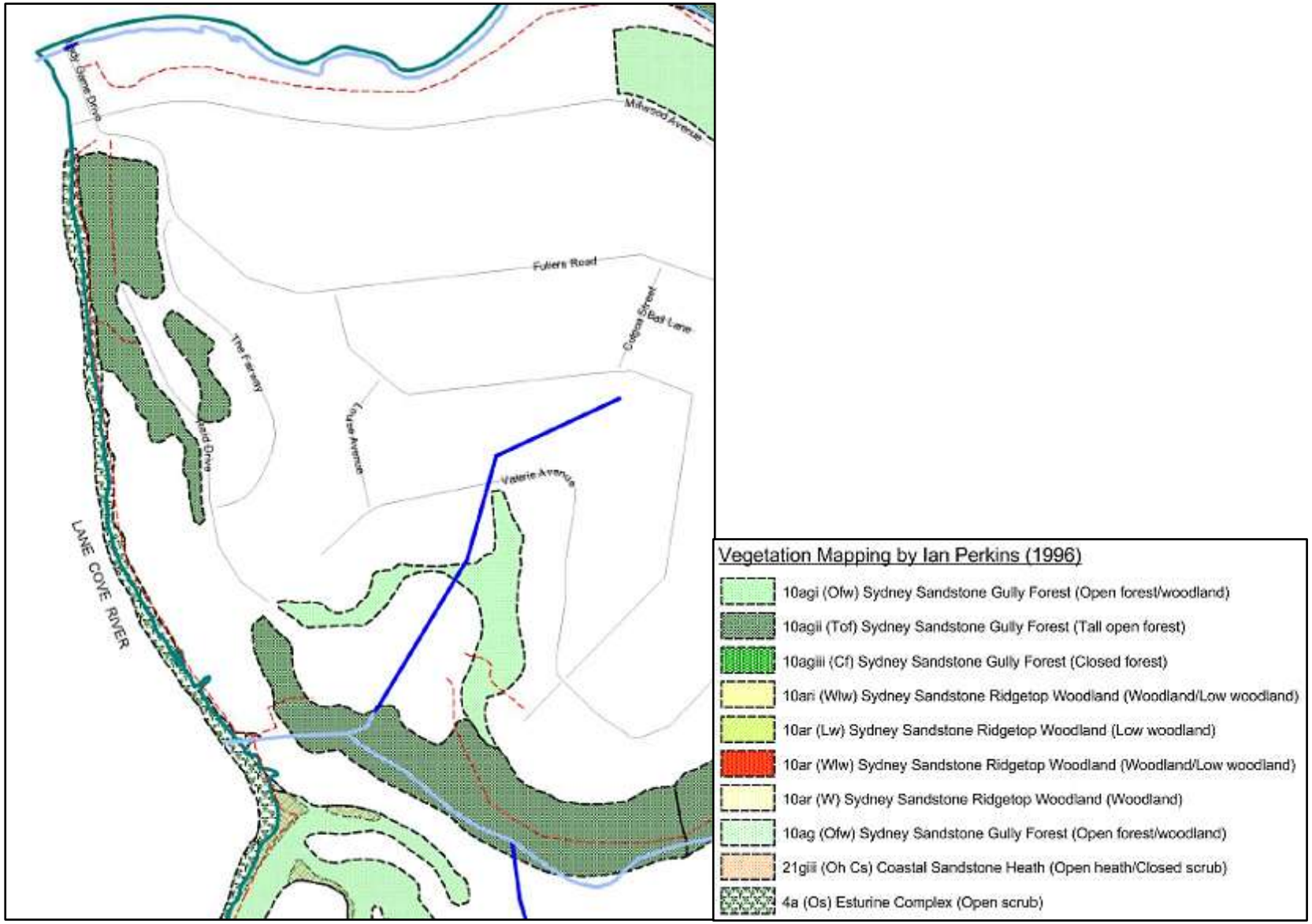
O.H. Reid Reserve	Fence	Bollard	Metal		
O.H. Reid Reserve	Fence	General Fencing	Chain Mesh		
O.H. Reid Reserve	Fence	General Fencing	Galv Metal Balustrade		
O.H. Reid Reserve	Fence	General Fencing	Metal		Fence to rail with sliding rail across car park entry - regularly open
O.H. Reid Reserve	Fence	Other	Metal		Gate with sliding metal pipe
O.H. Reid Reserve	Fence	Wall	Sandstone		sandstone blocks
O.H. Reid Reserve	Garden	Informal	No edging		
O.H. Reid Reserve	Picnic Setting	Concrete base	Timber	2	
O.H. Reid Reserve	Picnic Setting	Concrete base	Timber	2	concrete structure
O.H. Reid Reserve	Plaque	Other	N/A		Dr Stella Cornelius - plaque set in rock
O.H. Reid Reserve	Plaque	Other	N/A		Garry Crossley - plaque with sandstone dog
O.H. Reid Reserve	Sign	General	Metal	2	Bushcare
O.H. Reid Reserve	Sign	General	Metal		No Dumping $300
O.H. Reid Reserve	Sign	General	N/A		unleashed dog exercise area
O.H. Reid Reserve	Sign	General	N/A		no parking - ambulance entry
O.H. Reid Reserve	Sign	Name	Timber/Metal		Rail to river
O.H. Reid Reserve	Sign	Name	N/A		
O.H. Reid Reserve	Sign	Other	Metal	2	The River walk
O.H. Reid Reserve	Sign	Other	Timber	2	Directional post
O.H. Reid Reserve	Sign	Regulatory	N/A		

5.16.4 Maps

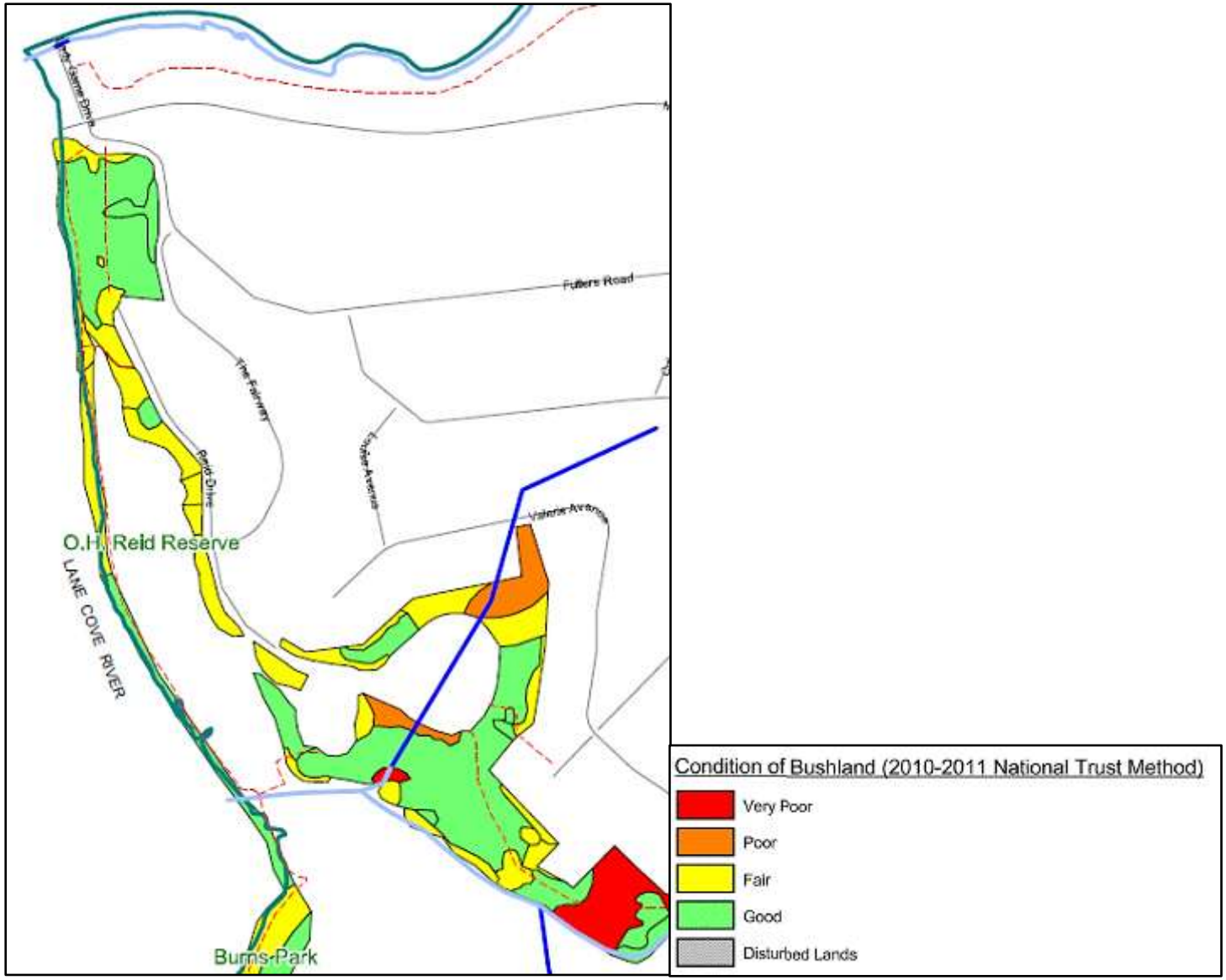


O.H. Reid Reserve Outline

O.H. Reid Reserve Outline Aerial



O.H. Reid Reserve Native Vegetation Communities



O.H. Reid Reserve Bushland Condition Rating 2010 – 2011

5.17 Sailors Bay Group of Reserves

The Sailors Bay Group of reserves consists of Market Garden Park, Warners Park, Watergate Reserve and Sailors Bay Park.

The bushland area of Market Garden Park is approximately 1.2 hectares in size and is bordered by Eastern Valley Way and private residences to the east, Shore School playing fields to the south, Alpha road to the west and a residential development site to the north and north-west. The bushland protects the headwaters of Sailors Bay Creek, which originates at Alpha road, runs through Market Garden Park, under Eastern Valley Way through Warners Park to Watergate Reserve.

Warners Park is a 3 hectare reserve east of Eastern Valley Way and Market Garden Park containing a small area of bushland, a children's playground, and the Warners Park community centre in Northbridge. Sailors Bay Creek enters Warners Park from Market Garden Park underground and then reappears above ground before exiting via stormwater pipe into Watergate Reserve where it re-joins the creek in its natural state.

Watergate Reserve is an intact piece of bushland located on the southern shoreline of the Castlecrag Peninsula that was originally to form part of the Griffin Estate designed by Walter Burley Griffin and his wife Marion Mahony Griffin in the 1920s. The reserve is 8.2 hectares in size and incorporates Sailor's Bay Creek and the associated estuarine area of Sailors Bay and Middle Harbour. Watergate is bounded by residential houses to the north and south with Warners Park to the west and Sailors Bay to the east.

Sailors Bay Park is a 2.2 hectare bushland reserve located at the eastern end of Rockley Street in the suburb of Castlecrag. It is separated by 5 residential properties from Watergate Reserve. Situated on the north-eastern shore of Sailors Bay, it is surrounded by the waters of Middle Harbour on three sides.

All reserves in the Sailors Bay Group are located in the Sailors Bay Creek catchment part of the Middle Harbour catchment area.

5.17.1 Native Plant Species List

Sailors Bay Group			**Sailors Bay Park**	**Warners Park**	**Watergate Reserve**	**Market Garden Park**
	Family	**Genus-species**				
CONIFERS	Cupressaceae	*Callitris rhomboidea*	•	•	•	
FERNS	Adiantaceae	*Adiantum aethiopicum*	•	•	•	
	Adiantaceae	*Adiantum hispidulum*	•			
	Aspleniaceae	*Asplenium australasicum*	•	•	•	
	Blechnaceae	*Doodia aspera*	•	•	•	
	Cyatheaceae	*Cyathea cooperi*	•	•	•	
	Dennstaedtiaceae	*Pteridium esculentum*	•	•	•	

	Dicksoniaceae	*Calochlaena dubia*	•	•	•	
	Gleicheniaceae	*Gleichenia dicarpa*	•	•		
	Lindsaeaceae	*Lindsaea linearis*	•	•	•	
	Pteridaceae	*Cheilanthes austrotenuifolia*	•	•	•	•
	Pteridaceae	*Pellaea falcata*	•	•	•	
	Pteridaceae	*Pellaea paradoxa*		•	•	
	Thelypteridaceae	*Christella dentata*	•	•	•	
DICOTS	Acanthaceae	*Pseuderanthemum variabile*	•	•	•	
	Apiaceae	*Centella asiatica*	•	•	•	
	Apiaceae	*Hydrocotyle peduncularis*	•	•	•	
	Apiaceae	*Platysace linearifolia*	•	•	•	
	Apiaceae	*Xanthosia pilosa*	•	•	•	
	Apocynaceae	*Parsonsia straminea*	•			
	Araliaceae	*Polyscias sambucifolia*	•	•	•	
	Asclepiadaceae	*Marsdenia suaveolens*	•	•	•	
	Asclepiadaceae	*Tylophora barbata*	•	•	•	
	Asteraceae	*Cassinia aculeata*	•	•	•	
	Asteraceae	*Cassinia denticulata*	•			
	Bignoniaceae	*Pandorea pandorana*	•	•	•	
	Campanulaceae	*Wahlenbergia gracilis*	•			
	Campanulaceae	*Wahlenbergia stricta*	•	•	•	
	Cassythaceae	*cassytha paniculata*	•	•	•	
	Casuarinaceae	*Allocasuarina littoralis*	•	•	•	
	Casuarinaceae	*Casuarina glauca*	•	•	•	
	Convolvulaceae	*Dichondra repens*	•	•	•	
	Cunoniaceae	*Bauera rubioides*	•	•		
	Cunoniaceae	*Callicoma serratifolia*	•	•	•	
	Cunoniaceae	*Ceratopetalum apetalum*			•	
	Cunoniaceae	*Ceratopetalum gummiferum*	•	•	•	
	Dilleniaceae	*Hibbertia linearis*	•			
	Dilleniaceae	*Hibbertia obtusifolia*	•			
	Dilleniaceae	*Hibbertia scandens*	•	•	•	
	Elaeocarpaceae	*Elaeocarpus reticulatus*	•	•	•	
	Ericaceae Styphelioideae	*Epacris longiflora*	•	•	•	

	Ericaceae Styphelioideae	*Epacris pulchella*	•	•	•	
	Ericaceae Styphelioideae	*Woollsia pungens*	•	•	•	
	Euphorbiaceae	*Amperea xiphoclada*	•			
	Euphorbiaceae	*Breynia oblongifolia*	•	•	•	
	Euphorbiaceae	*Glochidion ferdinandi*	•	•	•	
	Euphorbiaceae	*Micrantheum ericoides*	•			
	Euphorbiaceae	*Omalanthus populifolius*	•	•	•	
	Euphorbiaceae	*Phyllanthus hirtellus (syn. P. thymoides)*	•	•	•	
	Fabaceae Faboideae	*Glycine clandestina*	•	•	•	
	Fabaceae Faboideae	*Glycine tabacina*		•	•	
	Fabaceae Faboideae	*Gompholobium grandiflorum*	•			
	Fabaceae Faboideae	*Gompholobium latifolium*	•	•	•	
	Fabaceae Faboideae	*Hardenbergia violacea*	•	•	•	
	Fabaceae Faboideae	*Indigofera australis*	•	•	•	
	Fabaceae Faboideae	*Kennedia rubicunda*	•	•	•	
	Fabaceae Faboideae	*Platylobium formosum ssp formosum*	•	•	•	
	Fabaceae Faboideae	*Pultenaea daphnoides*	•	•	•	
	Fabaceae Faboideae	*Pultenaea elliptica*	•	•	•	
	Fabaceae-Mimosoideae	*Acacia decurrens*	•	•	•	
	Fabaceae-Mimosoideae	*Acacia elata*	•			
	Fabaceae-Mimosoideae	*Acacia floribunda*	•	•	•	
	Fabaceae-Mimosoideae	*Acacia linifolia*	•	•	•	
	Fabaceae-Mimosoideae	*Acacia longifolia var. longifolia*	•	•	•	
	Fabaceae-Mimosoideae	*Acacia mearnsii*	•			
	Fabaceae-Mimosoideae	*Acacia suaveolens*	•	•	•	
	Fabaceae-Mimosoideae	*Acacia terminalis*	•	•	•	
	Fabaceae-Mimosoideae	*Acacia ulicifolia*	•	•	•	
	Haloragaceae	*Gonocarpus micranthus*	•			
	Haloragaceae	*Gonocarpus teucrioides*	•	•	•	
	Haloragaceae	*Haloragis heterophylla*	•	•	•	
	Lamiaceae	*Plectranthus parvifolius*	•	•	•	
	Lobeliaceae	*Lobelia gracilis*	•	•	•	
	Lobeliaceae	*Pratia purpurascens*	•	•	•	
	Menispermaceae	*Stephania japonica*	•	•	•	
	Moraceae	*Ficus rubiginosa*	•	•	•	

	Myrsinaceae	*Myrsine (Rapanea) variabilis*	•	•	•	
	Myrtaceae	*Acmena smithii*	•	•	•	
	Myrtaceae	*Angophora costata*	•	•	•	
	Myrtaceae	*Corymbia gummifera*	•	•	•	
	Myrtaceae	*Eucalyptus botryoides*	•			
	Myrtaceae	*Eucalyptus haemastoma*	•	•	•	
	Myrtaceae	*Eucalyptus maculata*	•	•	•	
	Myrtaceae	*Eucalyptus pilularis*	•	•	•	
	Myrtaceae	*Eucalyptus piperita*	•	•	•	
	Myrtaceae	*Eucalyptus punctata*	•	•	•	
	Myrtaceae	*Eucalyptus resinifera*	•			
	Myrtaceae	*Kunzea ambigua*	•	•	•	
	Myrtaceae	*Leptospermum laevigatum*	•	•	•	
	Myrtaceae	*Leptospermum squarrosum*	•	•	•	
	Myrtaceae	*Leptospermum trinervium*	•	•	•	
	Myrtaceae	*Melaleuca quinquenervia*	•	•	•	
	Myrtaceae	*Melaleuca styphelioides*	•	•	•	
	Oleaceae	*Notelaea longifolia*	•	•	•	
	Pittosporaceae	*Billardiera scandens*	•	•	•	
	Pittosporaceae	*Pittosporum revolutum*	•	•	•	
	Pittosporaceae	*Pittosporum undulatum*	•	•	•	
	Polygonaceae	*Rumex brownii*	•			
	Proteaceae	*Banksia ericifolia*	•	•	•	
	Proteaceae	*Banksia integrifolia*	•	•	•	
	Proteaceae	*Banksia marginata*	•	•	•	
	Proteaceae	*Banksia serrata*	•	•	•	
	Proteaceae	*Grevillea linearifolia*	•	•	•	
	Proteaceae	*Hakea dactyloides*	•	•	•	
	Proteaceae	*Hakea gibbosa*	•	•	•	
	Proteaceae	*Hakea sericea*	•	•	•	
	Proteaceae	*Hakea teretifolia*	•	•	•	
	Proteaceae	*Lomatia silaifolia*	•	•	•	
	Proteaceae	*Persoonia levis*	•	•	•	
	Proteaceae	*Persoonia pinifolia*	•	•	•	
	Rubiaceae	*Opercularia aspera*	•	•	•	

	Rubiaceae	*Pomax umbellata*	•	•	•	
	Rutaceae	*Crowea saligna*	•	•	•	
	Rutaceae	*Phebalium dentatum*	•	•	•	
	Rutaceae	*Zieria pilosa*	•			
	Rutaceae	*Zieria smithii*	•	•	•	
	Santalaceae	*Exocarpus cupressiformis*	•	•	•	
	Sapindaceae	*Dodonaea triquetra*	•	•	•	
	Scrophulariaceae	*Veronica plebeia*	•	•	•	
	Sterculiaceae	*Lasiopetalum ferrugineum var. ferrugineum*	•	•	•	
	Thymeliaceae	*Pimelea linifolia*	•			
	Thymeliaceae	*Wikstroemia indica*	•			
	Verbenaceae	*Clerodendrum tomentosum*	•	•	•	
	Vitaceae	*Cissus antarctica*	•	•	•	
	Vitaceae	*Cissus hypoglauca*	•	•	•	
MONOCOTS	Commelinaceae	*Commelina cyanea*	•	•	•	
	Cyperaceae	*Caustis flexuosa*		•	•	
	Cyperaceae	*Gahnia erythrocarpa*	•		•	
	Cyperaceae	*Lepidosperma laterale*	•	•	•	
	Cyperaceae	*Lepidosperma longitudinale*	•	•	•	
	Cyperaceae	*Schoenus melanostachys*	•		•	
	Iridaceae	*Patersonia sericea*	•			
	Juncaceae	*Juncus usitatus*	•			
	Lomandraceae	*Lomandra cylindrica*	•			
	Lomandraceae	*Lomandra filiformis*	•			
	Lomandraceae	*Lomandra fluviatilis 3RC*		•	•	
	Lomandraceae	*Lomandra longifolia*	•	•	•	
	Lomandraceae	*Lomandra multiflora*		•	•	
	Lomandraceae	*Lomandra obliqua*	•	•	•	
	Luzuriagaceae	*Eustrephus latifolius*	•	•	•	
	Orchidaceae	*Cryptostylis erecta*	•	•	•	
	Philesiaceae	*Geitonoplesium cymosum*	•	•	•	
	Phormiaceae	*Dianella caerulea var caerulea*	•	•	•	
	Phormiaceae	*Dianella revoluta*	•			
	Poaceae	*Anisopogon avenaceus*	•			

	Poaceae	*Cymbopogon refractus*	•	•	•	
	Poaceae	*Dichelachne crinita*	•	•	•	
	Poaceae	*Digitaria parviflora*	•	•	•	
	Poaceae	*Echinopogon caespitosus*	•	•	•	
	Poaceae	*Entolasia marginata*	•			
	Poaceae	*Entolasia stricta*	•			
	Poaceae	*Eragrostis brownii*	•	•	•	
	Poaceae	*Imperata cylindrica*	•	•	•	
	Poaceae	*Microlaena stipoides*	•	•	•	
	Poaceae	*Oplismenus imbecillis*	•	•	•	
	Poaceae	*Paspalidium aversum*	•			
	Poaceae	*Themeda australis*	•	•	•	
	Smilacaceae	*Smilax glyciphylla*	•	•	•	
	Uvulariaceae	*Schelhammera undulata*	•			
	Xanthorrhoeaceae	*Xanthorrhoea arborea*	•	•	•	
	Xanthorrhoeaceae	*Xanthorrhoea media ssp. media*	•	•	•	

5.17.2 Aboriginal Archaeological Site Information

Watergate Reserve has some significant rock ledges and outcrops that may have been used by the Gameraygal people, however there are no recorded Aboriginal archaeological sites in the Sailors Bay Group of Reserves.

5.17.3 Reserve Assets

Reserve Name	Asset Type	Asset Description	Material Description	Quantity	Comments
Sailors Bay Park	Bench	No concrete base	Timber		Slab back arms
Sailors Bay Park	Plaque	Other	Stone Edging		Leonard Teale Memorial
Sailors Bay Park	Plaque	Name	N/A		Bronze Griffin reserve plaque set into rock
Warners Park	Artwork	N/A	N/A		Bowl carved sandstone
Warners Park	BBQ	Brick or metal surrounds and concrete base	N/A	3	
Warners Park	BBQ	Electric Single plate	N/A	3	

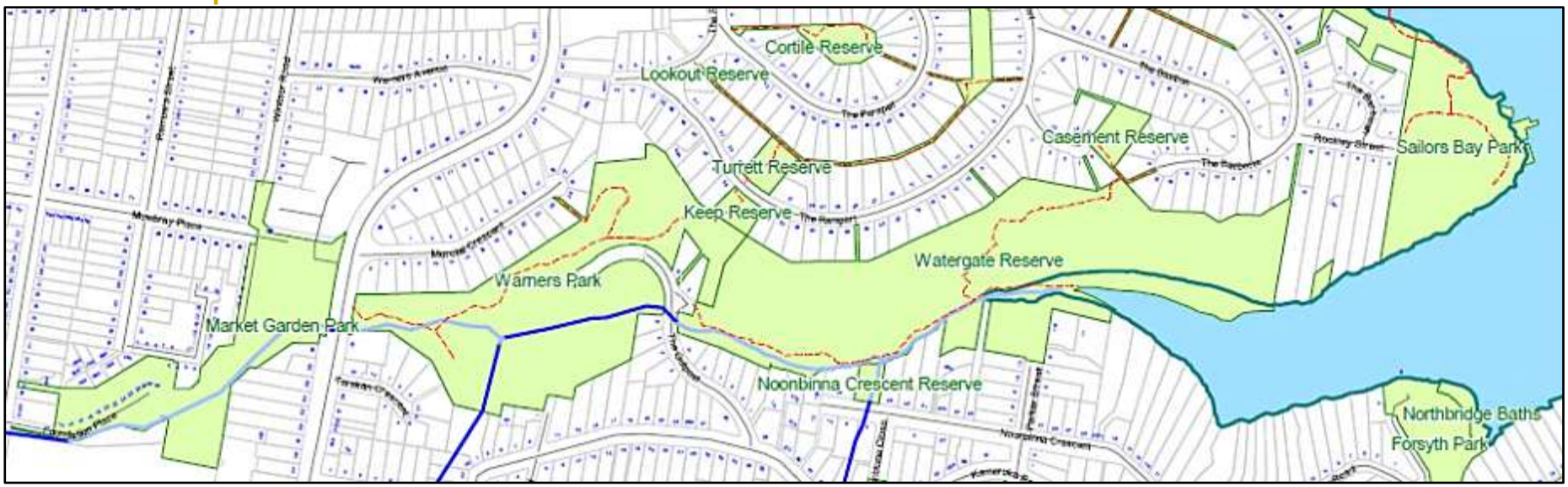
Warners Park	Bench	Concrete base	Timber/Metal	3	
Warners Park	Bench	No concrete base	Timber		Seat and log ends
Warners Park	Bench	No concrete base	Timber		Slab
Warners Park	Bench	No concrete base	Timber		Slab assess
Warners Park	Bin	N/A	Plastic		stand
Warners Park	Bin	N/A	Plastic	2	
Warners Park	Bubbler	N/A	Metal On Timber Post		
Warners Park	Fence	Bollard	Timber	26	
Warners Park	Fence	Bollard	Treated Pine	87	plus metal pole gate
Warners Park	Fence	General Fencing	Timber posts, wire strands		play maze - timber posts, wire strands, plants
Warners Park	Fence	Playground Fence	Galv Metal Balustrade		PLAYGROUND FENCE
Warners Park	Fence	Playground Fence	Timber		PLAYGROUND FENCE
Warners Park	Fence	Other	Galvanised Metal Balustrade		Swing gate pedestrian
Warners Park	Fence	Other	Galvanised Metal Balustrade		Swing gate pedestrian
Warners Park	Fence	Other	Galvanised Metal Balustrade		Swing gate pedestrian
Warners Park	Fence	Other	Galvanised Metal Balustrade		Double swing gate
Warners Park	Fence	Other	Metal		White swing arm gate
Warners Park	Fence	Other	Slip rail		Sliding rail gate
Warners Park	Fence	Retaining Wall	Sandstone		sandstone blocks
Warners Park	Fence	Wall	Sandstone	2	sandstone blocks
Warners Park	Garden	Semi-formal	Brick Edging	2	
Warners Park	Garden	Semi-formal	Stone Edging		large sandstone blocks to form terraces
Warners Park	Gazebo/Shelter	Picnic setting shelter	Timber/Metal	3	
Warners Park	Picnic Setting	Concrete base	Timber	3	
Warners Park	Plaque	Other	N/A		on bench
Warners Park	Other	N/A	N/A	3	timber footbridge - included in Bridges data
Warners Park	Sign	General	Metal		Warners Park (Old sign)
Warners Park	Sign	General	N/A		no dogs -on vehicle access gate
Warners Park	Sign	General	N/A		no smoking
Warners Park	Sign	General	N/A		interpretive-sailors bay creek
Warners Park	Sign	General	N/A		directional-wcc,bowling club and toilets [blades x 3]

Warners Park	Sign	General	Timber		Timber directional post
Warners Park	Sign	Name	Timber/Metal		Round Willoughby Walk - 900x900 dressed
Warners Park	Sign	Name	N/A	2	
Warners Park	Sign	Regulatory	N/A		
Warners Park	Sign	Other	Other		Griffin federation bronze plate on sandstone plinth
Warners Park	Sign	Other	Other		Griffin federation bronze plate on sandstone plinth
Warners Park	Sign	Other	Other		Griffin federation track bronze plaque on sandstone plinth
Watergate Reserve	Bench	No concrete base	Timber		Slab
Watergate Reserve	Plaque	Name	N/A		Bronze Griffin reserve name plaque set into sandstone boulder
Watergate Reserve	Sign	General	Timber		Timber directional post
Watergate Reserve	Sign	Other	Metal		Sailors bay track--interpretive

5.17.4 Heritage Listed Items

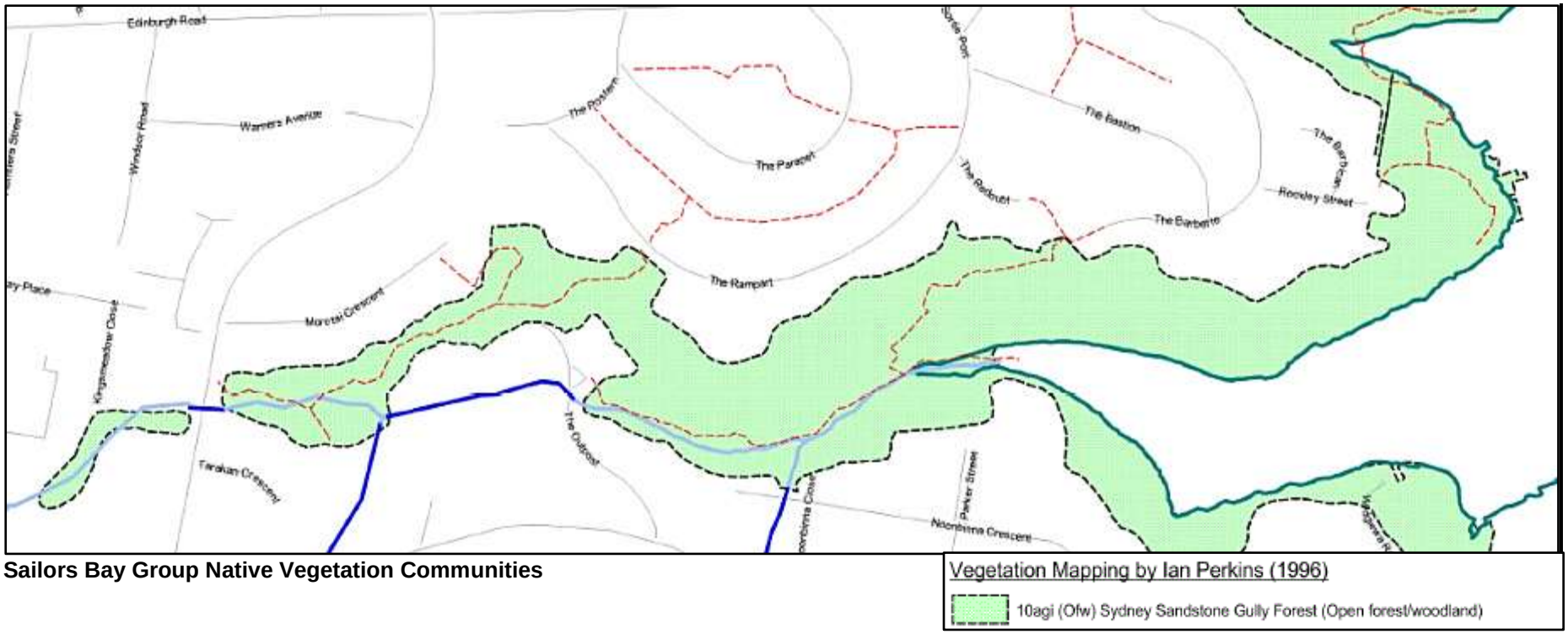
Reserve	Item	Heritage Listing	Address
Sailors Bay Park	Site and remains of early wharfage (Now occupied by Castlecrag Marina)	Regional Environmental Plan	Rockley Street, Castlecrag

5.17.5 Maps



Sailors Bay Group Outline

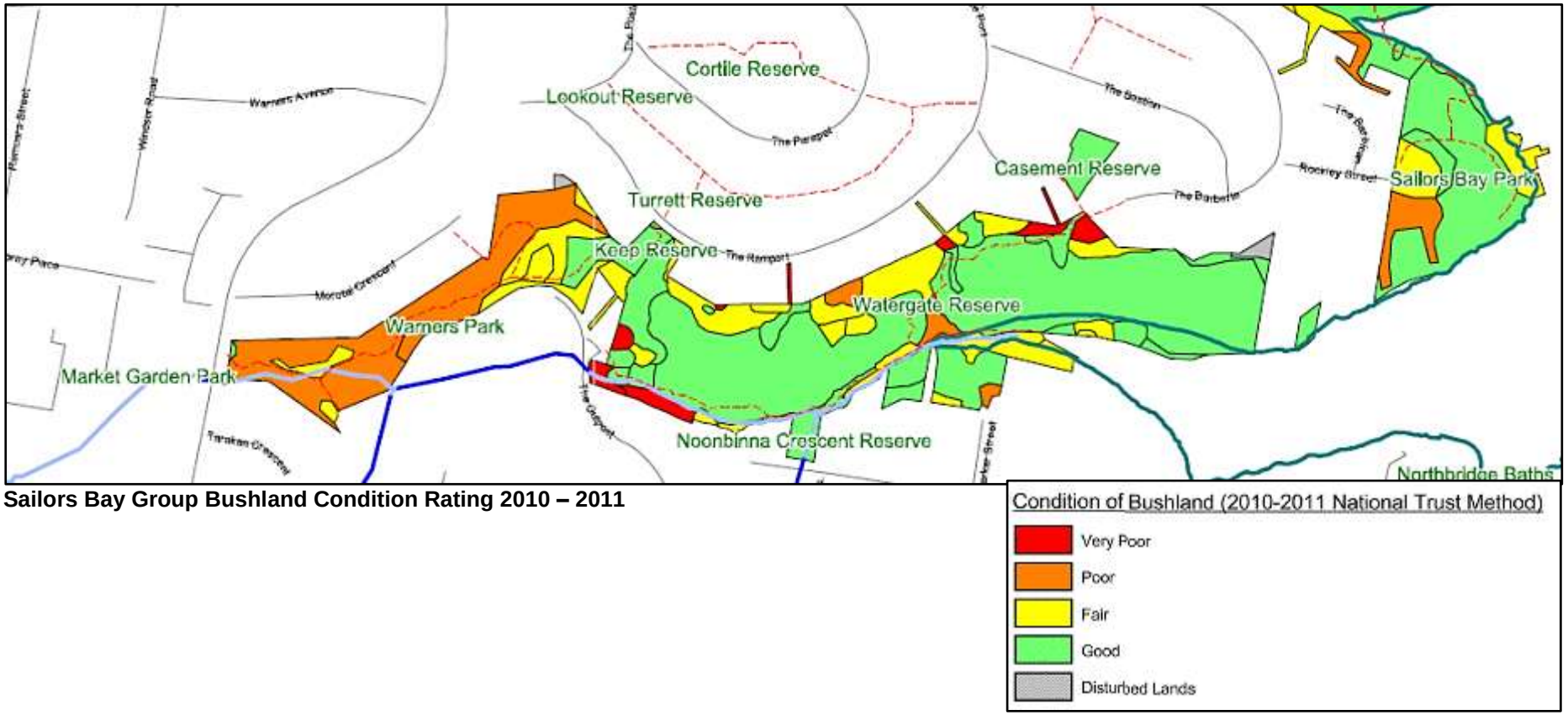
Sailors Bay Group Outline Aerial



Sailors Bay Group Native Vegetation Communities

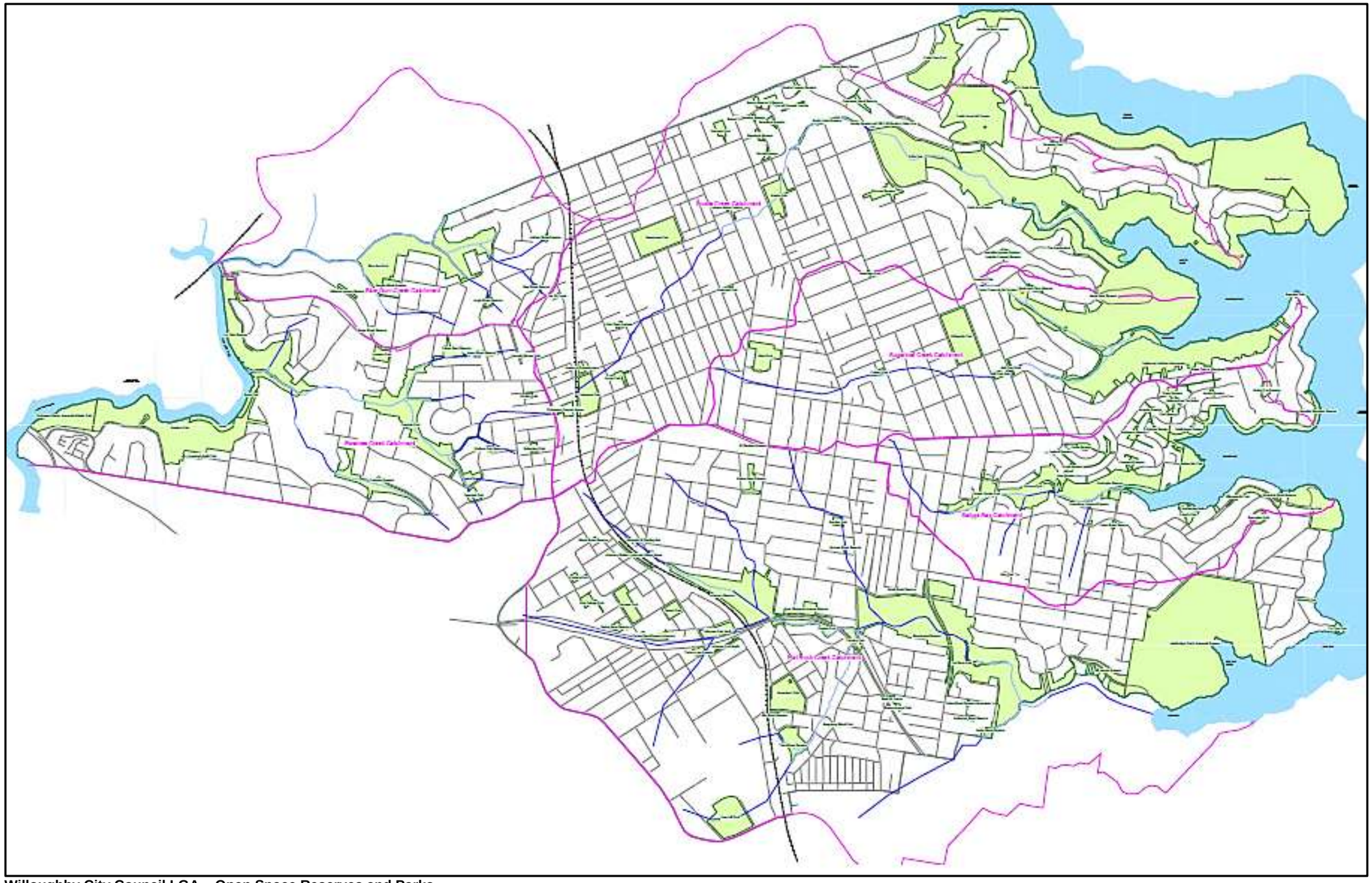
Vegetation Mapping by Ian Perkins (1996)

10agi (Ofw) Sydney Sandstone Gully Forest (Open forest/woodland)

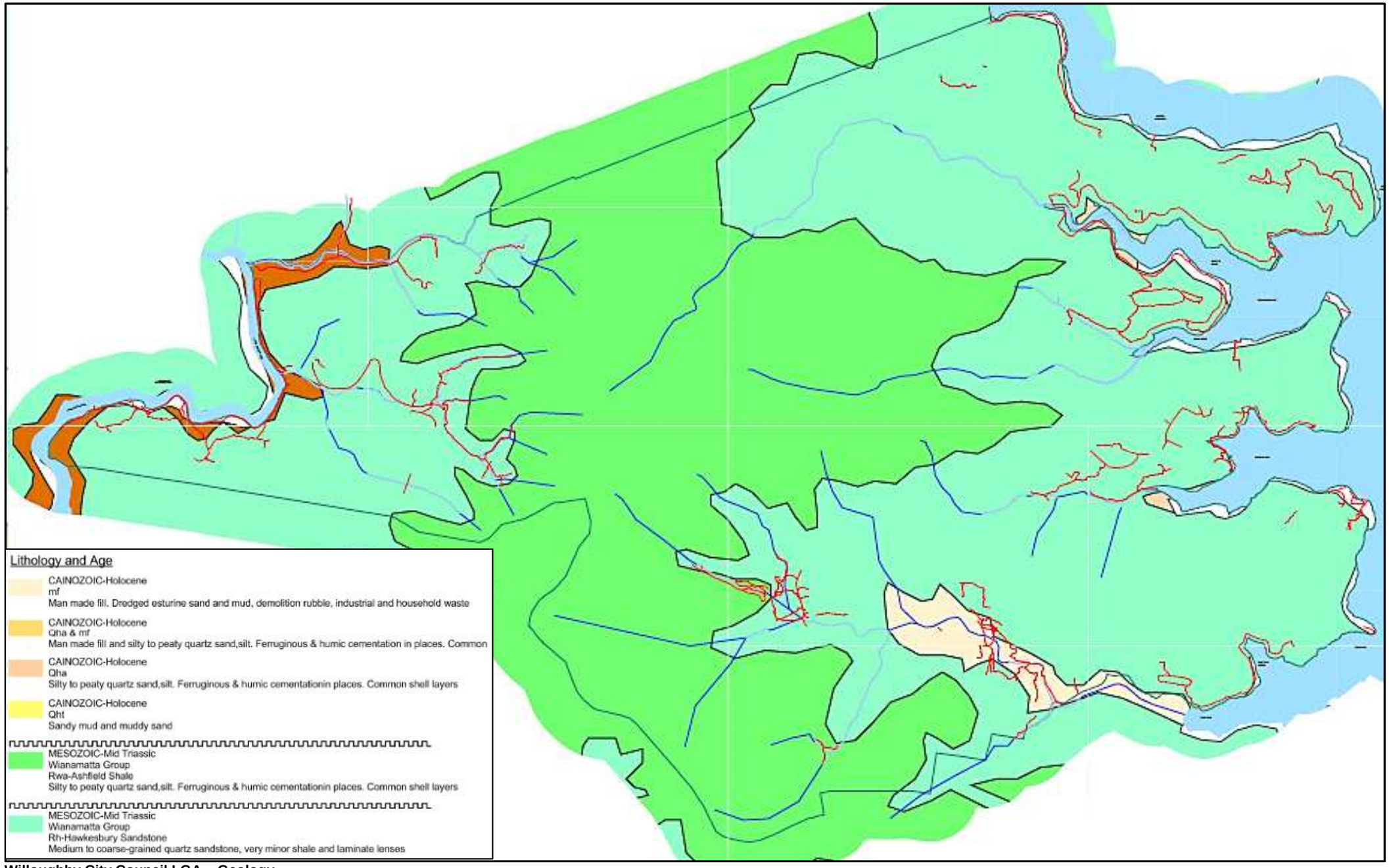


Sailors Bay Group Bushland Condition Rating 2010 – 2011

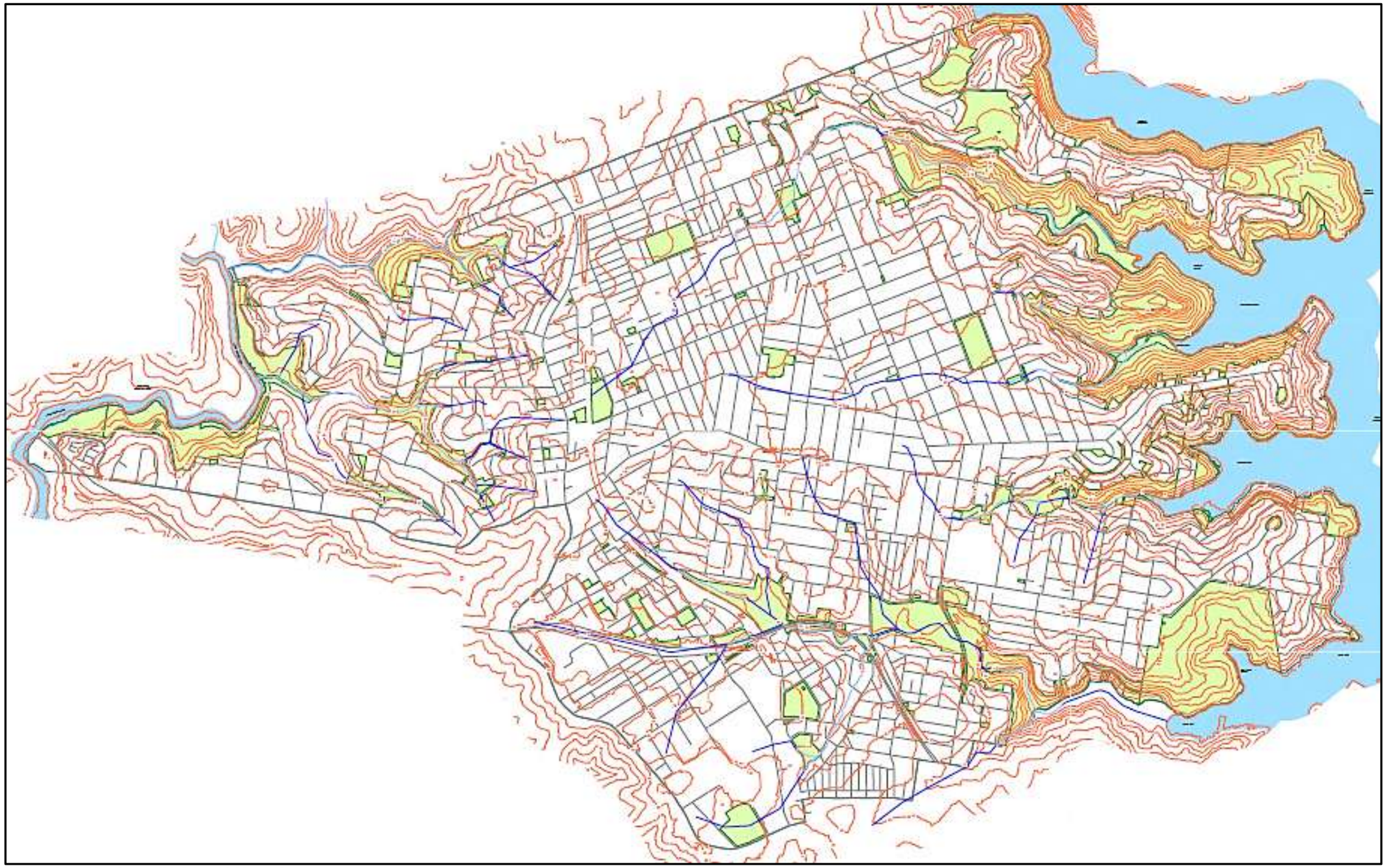
6. Profile Maps



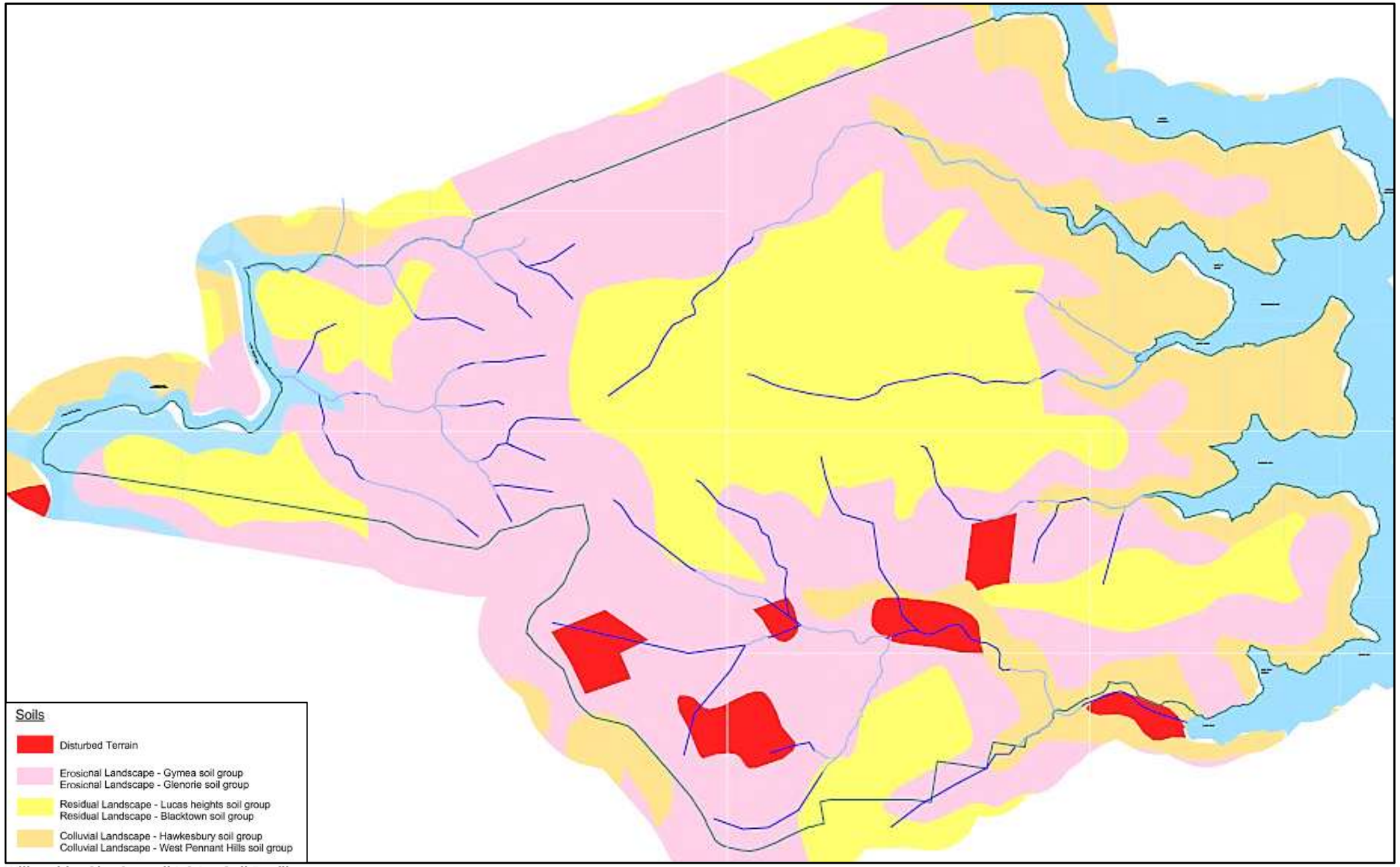
Willoughby City Council LGA – Open Space Reserves and Parks



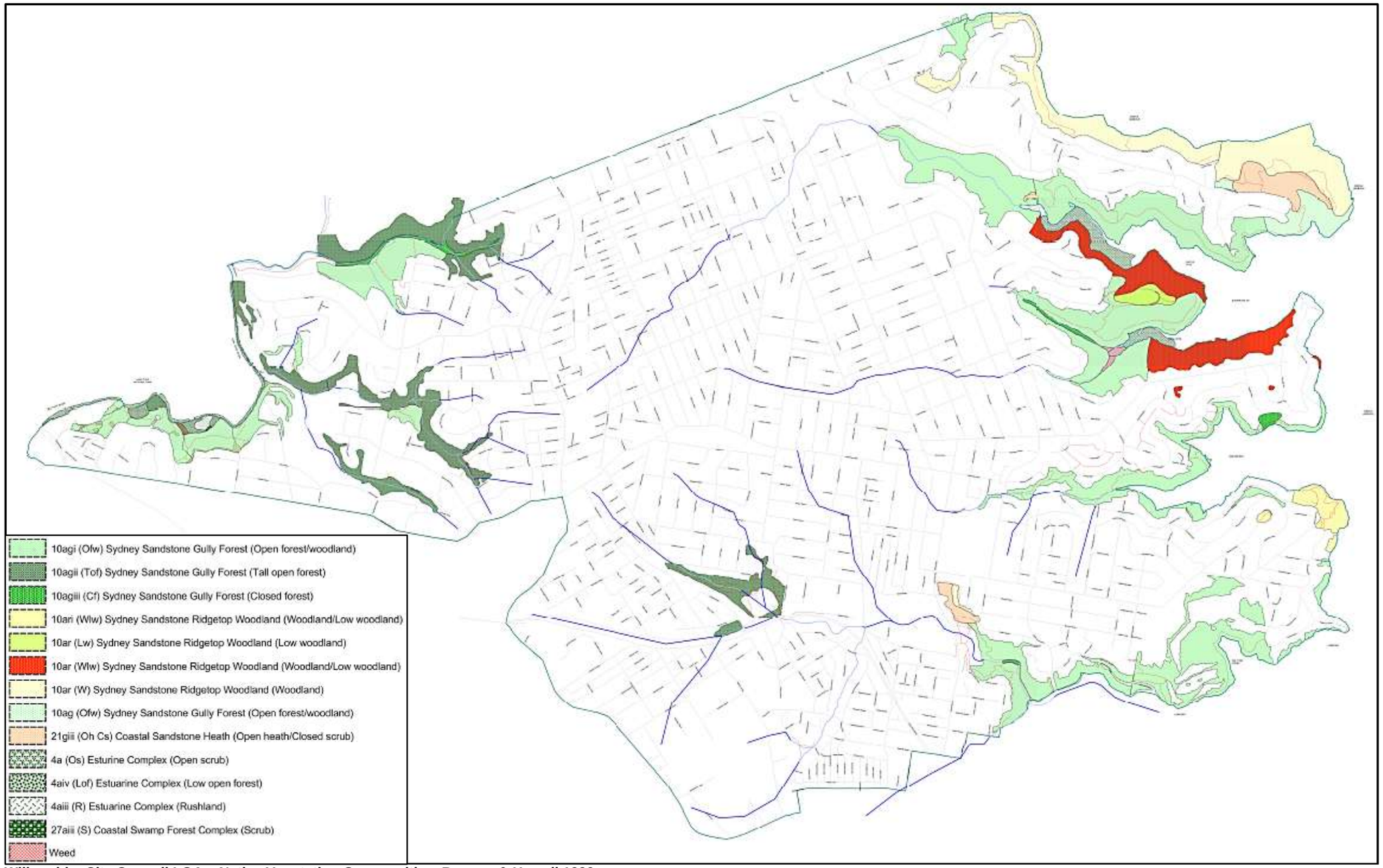
Willoughby City Council LGA – Geology



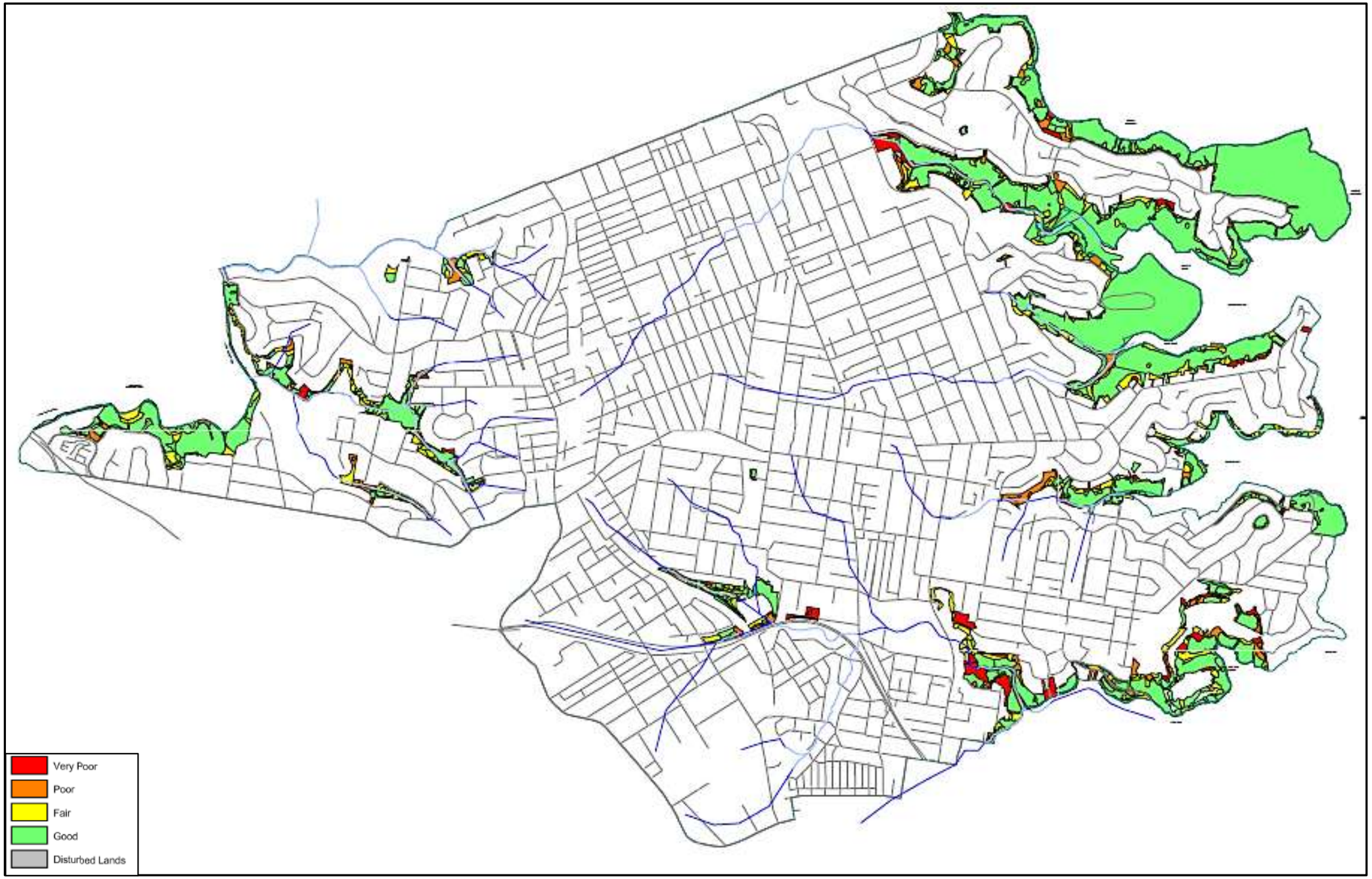
Willoughby City Council LGA – 10 Meter Contour



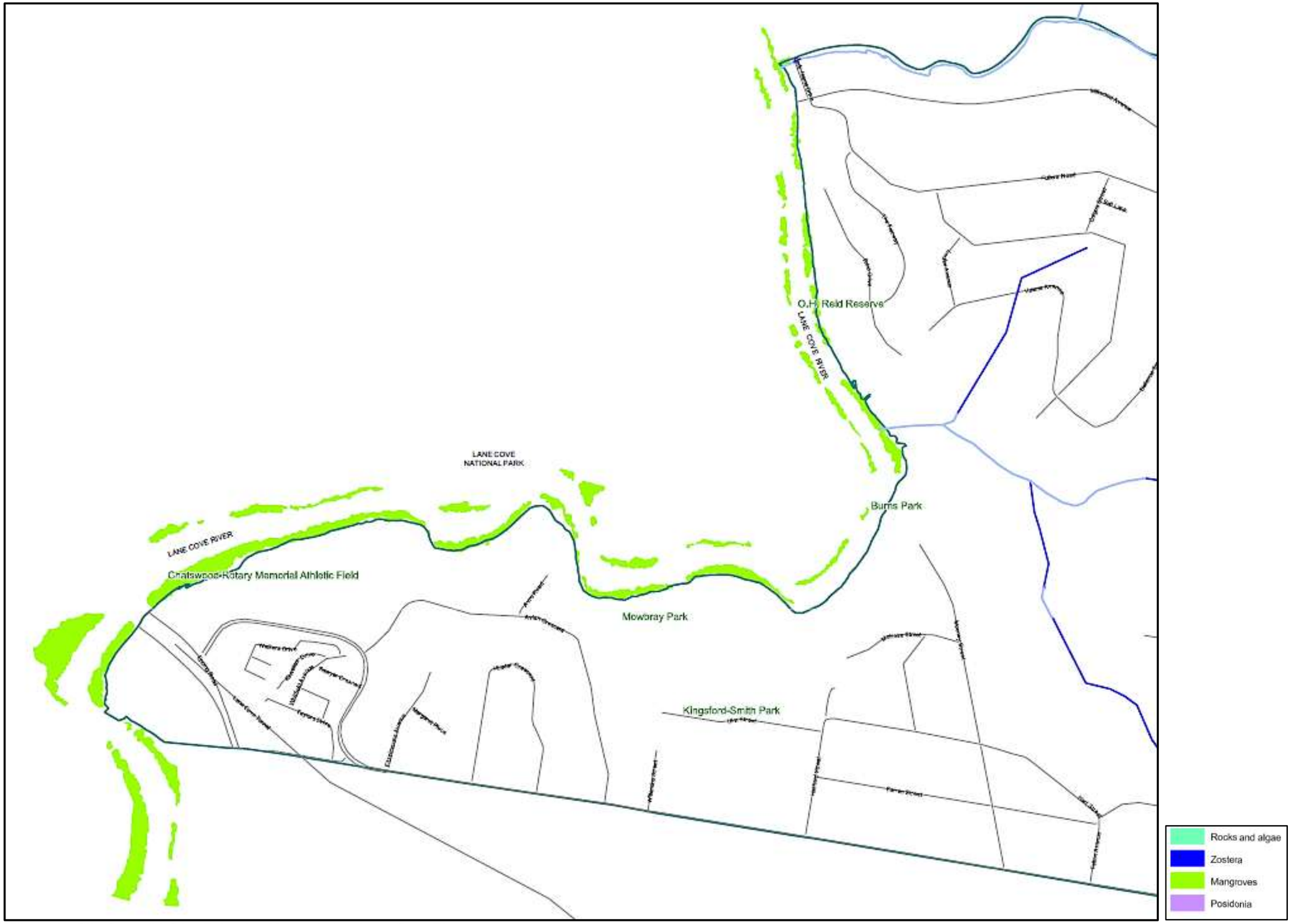
Willoughby City Council LGA – Soil Profiles



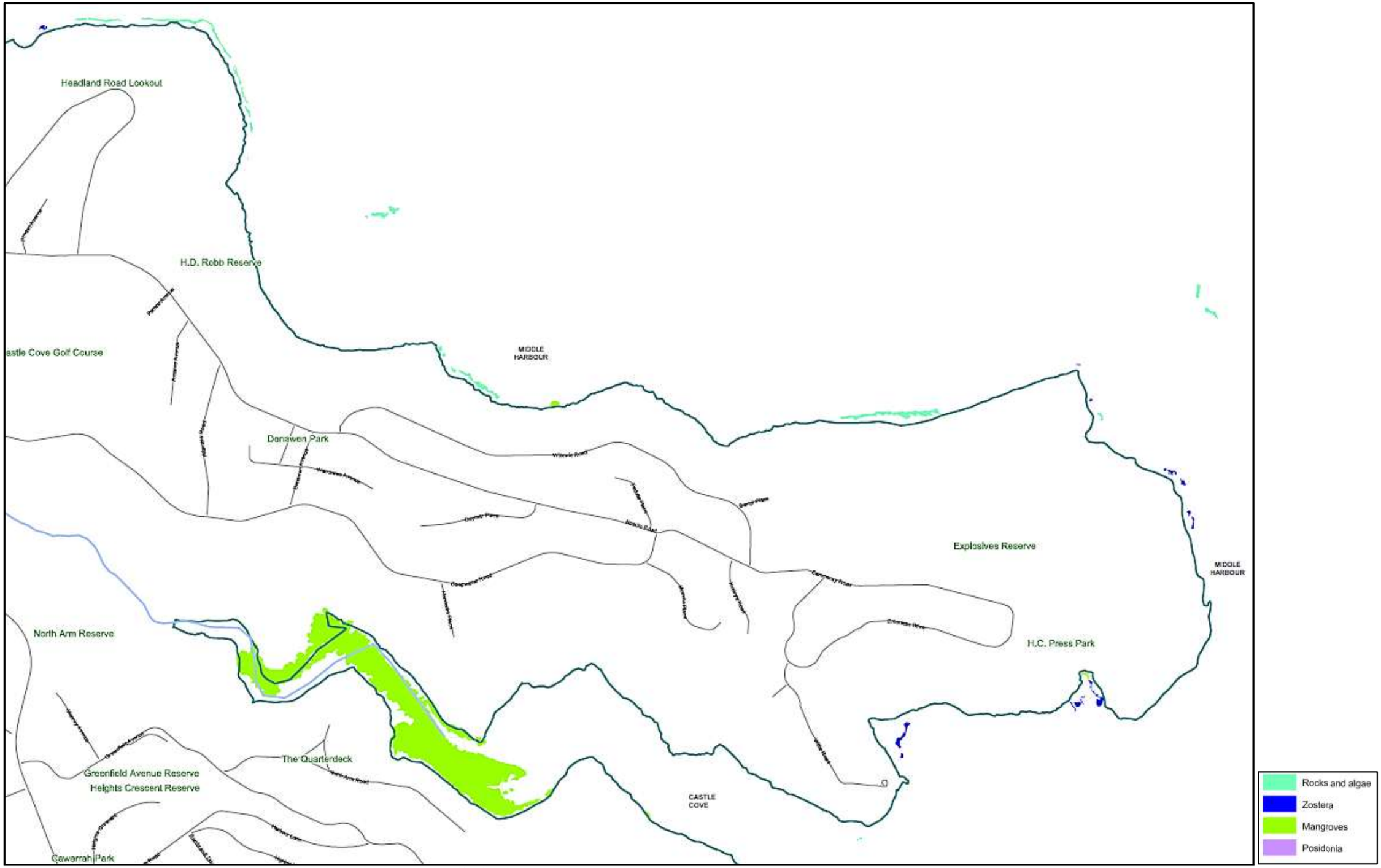
Willoughby City Council LGA – Native Vegetation Communities, Benson & Howell 1990



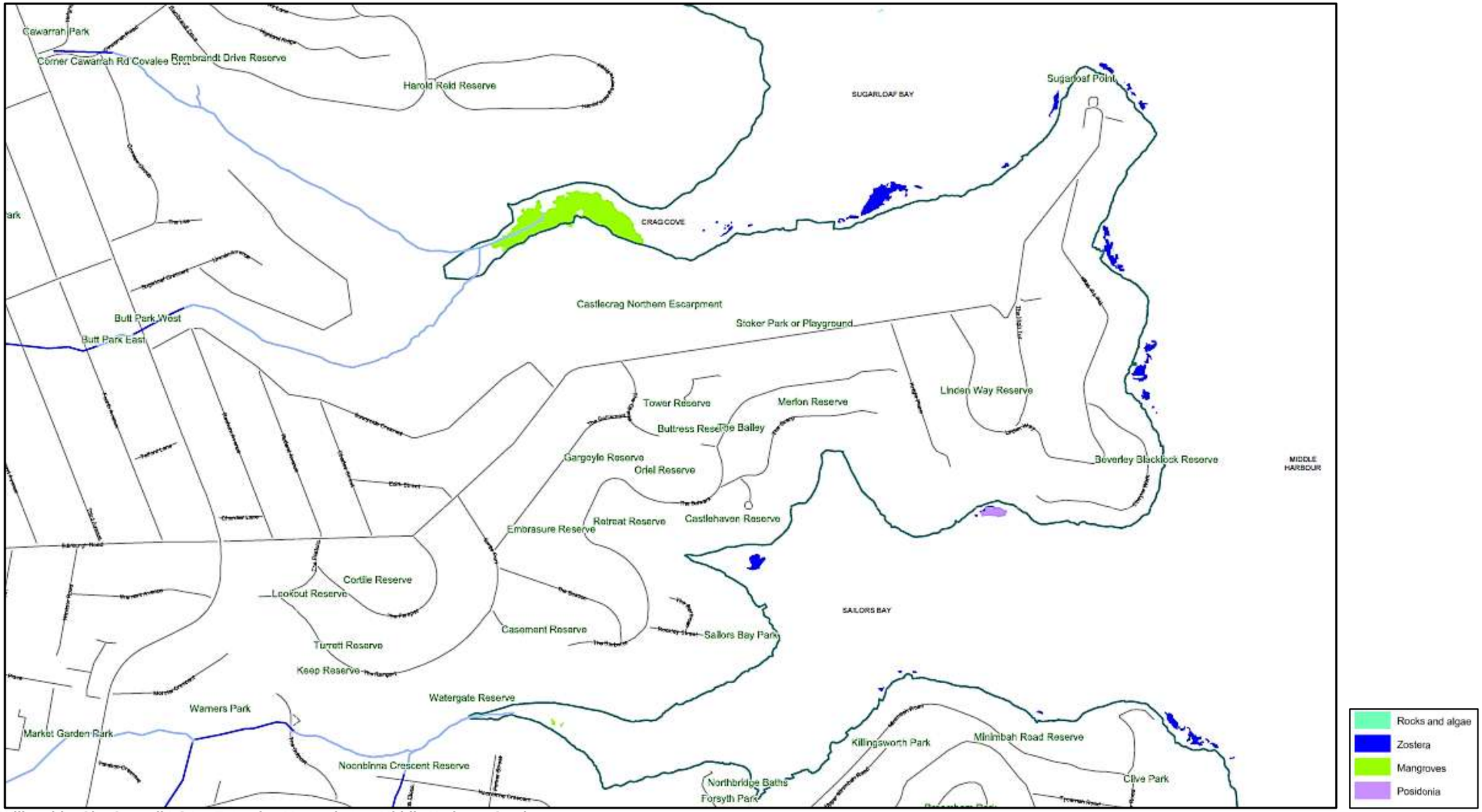
Willoughby City Council LGA – Bushland Condition Rating 2010 – 2011



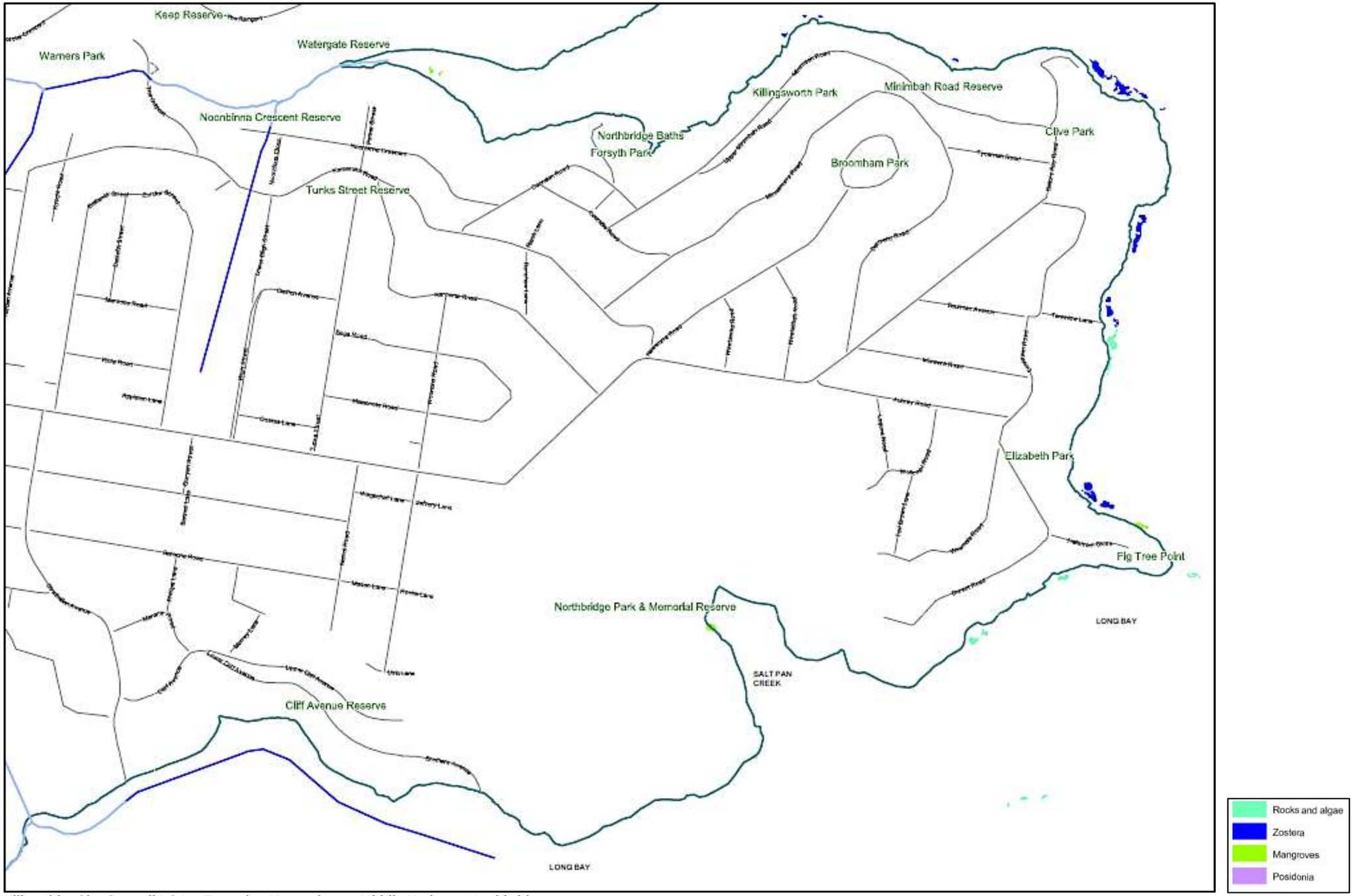
Willoughby City Council LGA – Estuarine Macrophytes, Lane Cove River



Willoughby City Council LGA – Estuarine Macrophytes, Middle Harbour, Castle Cove



Willoughby City Council LGA – Estuarine Macrophytes, Middle Harbour, Castlecrag



Willoughby City Council LGA – Estuarine Macrophytes, Middle Harbour, Northbridge