

Scientific Name	Common Name	Native or Exotic	Last Sited
<i>Atkinsonia ligustrina</i>		Native	31/10/1904
<i>Dendrophthoe vitellina</i>		Native	5/09/2007
<i>Muellerina celastroides</i>		Native	31/12/1896
<i>Muellerina eucalyptoides</i>		Native	13/03/2008
<i>Eustrephus latifolius</i>	Wombat Berry	Native	17/09/2008
<i>Geitonoplesium cymosum</i>	Scrambling Lily	Native	17/09/2008
<i>Lycopodiella cernua</i>	Scrambling Clubmoss	Native	27/02/2004
<i>Lycopodiella lateralis</i>	Slender Clubmoss	Native	27/02/2004
<i>Lagerstroemia indica</i>		Exotic	20/03/2009
<i>Lythrum hyssopifolia</i>	Hyssop Loosestrife	Native	25/10/2004
<i>Cotoneaster glaucophyllus</i>		Exotic	1/06/2009
<i>Cotoneaster pannosus</i>		Exotic	2/04/2004
<i>Cotoneaster</i> spp.		Exotic	22/12/2005
<i>Crataegus monogyna</i>	Hawthorn	Exotic	25/10/2004
<i>Eriobotrya japonica</i>	Loquat	Exotic	19/11/2004
<i>Malus domestica</i>	Apple	Exotic	13/03/2008
<i>Malus</i> spp.		Exotic	18/06/2003
<i>Photinia serratifolia</i>	Chinese Photinia	Exotic	1/06/2009
<i>Pyracantha angustifolia</i>	Orange Firethorn	Exotic	14/03/2008
<i>Pyracantha crenulata</i>		Exotic	1/06/2009
<i>Pyracantha</i> spp.		Exotic	17/09/2008
<i>Raphiolepis indica</i>	Indian Hawthorn	Exotic	31/07/1897
<i>Abutilon grandifolium</i>		Exotic	2/11/1997
<i>Abutilon oxycarpum</i>	Straggly Lantern-bush	Native	21/05/1996
<i>Gossypium barbadense</i>	Sea Island Cotton	Exotic	26/04/1969
<i>Hibiscus heterophyllus</i> subsp. <i>heterophyllus</i>	Native Rosella	Native	21/05/1996
<i>Hibiscus</i> spp.		Native	1/06/2009
<i>Hibiscus trionum</i>	Flower-of-an-hour	Native	17/05/1969
<i>Lagunaria patersonia</i>	Norfolk Island Hibiscus	Native	17/09/2008
<i>Malva dendromorpha</i>	Tree Mallow	Exotic	29/10/1966
<i>Malva neglecta</i>	Dwarf Mallow	Exotic	17/09/2008
<i>Malva parviflora</i>	Small-flowered Mallow	Exotic	1/06/2009
<i>Malva</i> spp.	Mallow	Exotic	20/03/2009
<i>Malva sylvestris</i>	Tall Mallow	Exotic	30/07/2008
<i>Modiola caroliniana</i>	Red-flowered Mallow	Exotic	16/07/2009
<i>Pavonia hastata</i>		Exotic	15/02/1888
<i>Sida acuta</i>	Spinyhead Sida	Exotic	1/06/2009
<i>Sida corrugata</i>	Corrugated Sida	Native	13/03/2008
<i>Sida rhombifolia</i>	Paddy's Lucerne	Exotic	23/07/2009
<i>Sida spinosa</i>		Native	13/03/2008
<i>Sida subspicata</i>		Native	27/02/1992
<i>Marsilea hirsuta</i>	Short-fruited Nardoo	Native	24/05/1996
<i>Marsilea mutica</i>		Native	25/10/2004
<i>Pilularia novae-hollandiae</i>	Austral Pillwort	Native	3/01/1966
<i>Melia azedarach</i>	White Cedar	Native	20/03/2009
<i>Synoum glandulosum</i> subsp. <i>glandulosum</i>	Scentless Rosewood	Native	31/07/1898
<i>Toona ciliata</i>	Red Cedar	Native	4/07/1969
<i>Legnephora moorei</i>	Round-leaf Vine	Native	28/05/1996
<i>Sarcopetalum harveyanum</i>	Pearl Vine	Native	1/03/2002
<i>Stephania japonica</i>	Snake vine	Native	17/09/2008

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<i>Nymphoides geminata</i>	Entire Marshwort	Native	7/08/2002
<i>Nymphoides montana</i>	Marshwort	Native	12/10/2005
<i>Villarsia exaltata</i>	Yellow Marsh Flower	Native	20/10/2004
<i>Ficus carica</i>	Common Fig	Exotic	25/02/1970
<i>Ficus coronata</i>	Creek Sandpaper Fig	Native	6/06/2008
<i>Ficus macrophylla</i>		Native	18/12/2007
<i>Ficus macrophylla</i> subsp. <i>macrophylla</i>	Moreton Bay Fig	Native	25/10/2004
<i>Ficus pumila</i>	Creeping Fig	Exotic	21/11/1969
<i>Ficus rubiginosa</i>	Port Jackson Fig	Native	20/03/2009
<i>Ficus rubiginosa</i> f. <i>rubiginosa</i>		Exotic	6/04/1968
<i>Ficus</i> spp.		Exotic	2/07/1998
<i>Maclura cochinchinensis</i>	Cockspur Thorn	Native	17/09/2008
<i>Maclura pomifera</i>	Osage Orange	Exotic	11/04/1971
<i>Morus alba</i>	White Mulberry	Exotic	14/03/2008
<i>Streblus brunonianus</i>	Whalebone Tree	Native	25/05/1996
<i>Eremophila debilis</i>	Amulla	Native	6/06/2008
<i>Myoporum acuminatum</i>	Boobialla	Native	17/09/2008
<i>Myoporum montanum</i>	Western Boobialla	Native	25/10/2004
<i>Aegiceras corniculatum</i>	River Mangrove	Native	05/03/1887
<i>Anagallis arvensis</i>	Scarlet Pimpernel	Exotic	16/07/2009
<i>Myrsine howittiana</i>	Brush Muttonwood	Native	31/07/1896
<i>Myrsine variabilis</i>		Native	1/03/2002
<i>Acmena smithii</i>	Lilly Pilly	Native	20/03/2009
<i>Angophora bakeri</i>	Narrow-leaved Apple	Native	31/01/1897
<i>Angophora costata</i>	Sydney Red Gum	Native	17/09/2008
<i>Angophora crassifolia</i>		Native	18/01/2005
<i>Angophora floribunda</i>	Rough-barked Apple	Native	30/07/2008
<i>Angophora hispida</i>	Dwarf Apple	Native	17/09/2008
<i>Angophora subvelutina</i>	Broad-leaved Apple	Native	31/01/1896
<i>Austromyrtus tenuifolia</i>		Native	30/11/1898
<i>Backhousia myrtifolia</i>	Grey Myrtle	Native	31/01/1896
<i>Baeckea brevifolia</i>		Native	5/09/2007
<i>Baeckea diosmifolia</i>	Fringed Baeckea	Native	2/07/1998
<i>Baeckea imbricata</i>		Native	4/03/2008
<i>Baeckea linifolia</i>	Weeping Baeckea	Native	1/03/2002
<i>Callistemon citrinus</i>	Crimson Bottlebrush	Native	5/09/2007
<i>Callistemon linearifolius</i>	Netted Bottle Brush	Native	3/04/1951
<i>Callistemon linearis</i>	Narrow-leaved Bottlebrush	Native	5/09/2007
<i>Callistemon pinifolius</i>	Pine-leaved Bottlebrush	Native	31/10/1897
<i>Callistemon rigidus</i>	Stiff Bottlebrush	Native	5/09/2007
<i>Callistemon salignus</i>	Willow Bottlebrush	Native	20/03/2009
<i>Callistemon sieberi</i>	River Bottlebrush	Native	2/07/1995
<i>Callistemon</i> spp.		Native	1/06/2009
<i>Callistemon viminalis</i>	Weeping Bottlebrush	Native	20/03/2009
<i>Calytrix tetragona</i>	Common Fringe-myrtle	Native	17/09/2008
<i>Corymbia eximia</i>	Yellow Bloodwood	Native	17/07/2008
<i>Corymbia gummifera</i>	Red Bloodwood	Native	17/09/2008
<i>Corymbia maculata</i>	Spotted Gum	Native	30/04/1810
<i>Darwinia biflora</i>		Native	27/02/2004
<i>Darwinia diminuta</i>		Native	31/07/1999

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<i>Darwinia fascicularis</i> subsp. <i>fascicularis</i>		Native	5/09/2007
<i>Darwinia grandiflora</i>		Native	11/06/1994
<i>Eucalyptus acmenoides</i>	White Mahogany	Native	14/03/2003
<i>Eucalyptus amplifolia</i>	Cabbage Gum	Native	20/03/2009
<i>Eucalyptus amplifolia</i> subsp. <i>amplifolia</i>		Native	6/06/2008
<i>Eucalyptus apiculata</i>		Native	5/06/1996
<i>Eucalyptus baueriana</i>	Blue Box	Native	31/10/1885
<i>Eucalyptus benthamii</i>	Camden White Gum	Native	17/07/2008
<i>Eucalyptus beyeriana</i>		Native	20/12/2003
<i>Eucalyptus bosistoana</i>	Coast Grey Box	Native	30/01/1809
<i>Eucalyptus botryoides</i>	Bangalay	Native	17/09/2008
<i>Eucalyptus botryoides</i> -- <i>saligna</i>		Native	22/09/1952
<i>Eucalyptus bridgesiana</i>	Apple Box	Native	4/03/2008
<i>Eucalyptus camfieldii</i>	Heart-leaved Stringybark	Native	24/08/1952
<i>Eucalyptus capitellata</i>	Brown Stringybark	Native	5/09/2007
<i>Eucalyptus consideniana</i>	Yertchuk	Native	22/12/1974
<i>Eucalyptus crebra</i>	Narrow-leaved Ironbark	Native	08/01/1894
<i>Eucalyptus deanei</i>	Mountain Blue Gum	Native	4/03/2008
<i>Eucalyptus dives</i>	Broad-leaved Peppermint	Native	28/02/1898
<i>Eucalyptus elata</i>	River Peppermint	Native	17/07/2008
<i>Eucalyptus eugenioides</i>	Thin-leaved Stringybark	Native	30/07/2008
<i>Eucalyptus fastigata</i>	Brown Barrel	Native	14/05/1964
<i>Eucalyptus fibrosa</i>	Red Ironbark	Native	23/07/2009
<i>Eucalyptus globoidea</i>	White Stringybark	Native	5/09/2007
<i>Eucalyptus haemastoma</i>	Broad-leaved Scribbly Gum	Native	17/09/2008
<i>Eucalyptus longifolia</i>	Woollybutt	Native	31/10/1886
<i>Eucalyptus luehmanniana</i>	Yellow Top Mallee Ash	Native	31/07/1994
<i>Eucalyptus microcorys</i>	Tallowwood	Native	17/09/2008
<i>Eucalyptus moluccana</i>	Grey Box	Native	31/10/1884
<i>Eucalyptus multicaulis</i>	Whipstick Ash	Native	25/10/1988
<i>Eucalyptus nicholii</i>	Narrow-leaved Black Peppermint	Native	2/07/1998
<i>Eucalyptus oblonga</i>	Stringybark	Native	4/03/2008
<i>Eucalyptus paniculata</i>	Grey Ironbark	Native	18/06/2003
<i>Eucalyptus paniculata</i> subsp. <i>paniculata</i>		Native	20/05/1998
<i>Eucalyptus parramattensis</i>	Parramatta Red Gum	Native	6/07/1988
<i>Eucalyptus parramattensis</i> subsp. <i>parramattensis</i>		Native	24/04/2006
<i>Eucalyptus pilularis</i>	Blackbutt	Native	19/11/1898
<i>Eucalyptus piperita</i>	Sydney Peppermint	Native	17/09/2008
<i>Eucalyptus punctata</i>	Grey Gum	Native	17/07/2008
<i>Eucalyptus punctata</i> subsp. <i>punctata</i>		Native	6/11/1948
<i>Eucalyptus punctata</i> subsp. <i>wianamattica</i>		Native	3/04/1997
<i>Eucalyptus racemosa</i>	Narrow-leaved Scribbly Gum	Native	5/09/2007
<i>Eucalyptus resinifera</i>	Red Mahogany	Native	30/11/2000
<i>Eucalyptus resinifera</i> subsp. <i>resinifera</i>		Native	17/09/2008
<i>Eucalyptus robusta</i>	Swamp Mahogany	Native	17/09/2008
<i>Eucalyptus saligna</i>	Sydney Blue Gum	Native	17/09/2008
<i>Eucalyptus sclerophylla</i>	Hard-leaved Scribbly Gum	Native	31/08/1898
<i>Eucalyptus scoparia</i>	Wallangarra White Gum	Native	14/11/2005
<i>Eucalyptus siderophloia</i>	Grey Ironbark	Native	27/09/1996
<i>Eucalyptus sideroxylon</i>	Mugga Ironbark	Native	31/10/1886

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<i>Eucalyptus sieberi</i>	Silvertop Ash	Native	4/03/2008
<i>Eucalyptus sparsifolia</i>	Narrow-leaved Stringybark	Native	20/10/2004
<i>Eucalyptus spp.</i>		Native	5/09/2007
<i>Eucalyptus squamosa</i>	Scaly Bark	Native	30/12/1892
<i>Eucalyptus tereticornis</i>	Forest Red Gum	Native	1/06/2009
<i>Eucalyptus umbra</i>	Broad-leaved White Mahogany	Native	26/03/2007
<i>Euryomyrtus ramosissima subsp. ramosissima</i>		Native	31/10/1898
<i>Kunzea ambigua</i>	Tick Bush	Native	17/09/2008
<i>Kunzea capitata</i>		Native	7/08/2002
<i>Kunzea parvifolia</i>	Violet Kunzea	Native	12/10/1894
<i>Leptospermum arachnoides</i>		Native	17/09/2008
<i>Leptospermum continentale</i>	Prickly Teatree	Native	15/11/1992
<i>Leptospermum emarginatum</i>	Twin-flower Tea-tree	Native	5/09/1951
<i>Leptospermum grandifolium</i>	Woolly Teatree	Native	30/11/1897
<i>Leptospermum juniperinum</i>	Prickly Tea-tree	Native	31/12/1898
<i>Leptospermum laevigatum</i>	Coast Teatree	Native	17/09/2008
<i>Leptospermum macrocarpum</i>		Native	31/12/1883
<i>Leptospermum morrisonii</i>		Native	21/12/1966
<i>Leptospermum parvifolium</i>		Native	31/10/1885
<i>Leptospermum polygalifolium</i>	Tantoon	Native	17/09/2008
<i>Leptospermum polygalifolium subsp. polygalifolium</i>		Native	30/11/1894
<i>Leptospermum spp.</i>	Tea-tree	Native	18/12/2007
<i>Leptospermum squarrosus</i>		Native	4/03/2008
<i>Leptospermum trinervium</i>	Slender Tea-tree	Native	31/10/1897
<i>Lophostemon confertus</i>	Brush Box	Native	1/06/2009
<i>Melaleuca armillaris subsp. armillaris</i>	Bracelet Honey-myrtle	Native	20/03/2009
<i>Melaleuca deanei</i>	Deane's Paperbark	Native	19/10/1996
<i>Melaleuca decora</i>		Native	31/12/1891
<i>Melaleuca ericifolia</i>	Swamp Paperbark	Native	20/03/2009
<i>Melaleuca erubescens</i>	Pink Honey-myrtle	Native	4/03/2008
<i>Melaleuca hypericifolia</i>	Hillock bush	Native	5/09/2007
<i>Melaleuca linariifolia</i>	Flax-leaved Paperbark	Native	30/11/1889
<i>Melaleuca nodosa</i>		Native	31/10/1893
<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	Native	20/03/2009
<i>Melaleuca sieberi</i>		Native	15/12/1922
<i>Melaleuca spp.</i>		Native	20/03/2009
<i>Melaleuca squamea</i>	Swamp Honey-myrtle	Native	15/09/1981
<i>Melaleuca styphelioides</i>	Prickly-leaved Tea Tree	Native	20/03/2009
<i>Melaleuca thymifolia</i>	Thyme Honey-myrtle	Native	21/02/2003
<i>Micromyrtus ciliata</i>	Fringed Heath-myrtle	Native	27/02/2004
<i>Sannantha pluriflora</i>		Exotic	8/12/1995
<i>Syncarpia glomulifera</i>	Turpentine	Native	17/07/2008
<i>Syncarpia glomulifera subsp. glomulifera</i>		Native	31/10/1887
<i>Syzygium francisii</i>	Giant Water Gum	Native	20/03/2009
<i>Syzygium oleosum</i>	Blue Lilly Pilly	Native	31/07/1904
<i>Syzygium paniculatum</i>	Magenta Lilly Pilly	Native	3/07/1977
<i>Tristania neriifolia</i>	Water Gum	Native	31/01/1894
<i>Tristaniopsis collina</i>	Mountain Water Gum	Native	6/06/2008
<i>Tristaniopsis laurina</i>	Kanooka	Native	20/03/2009
<i>Najas tenuifolia</i>	Waterynymph	Native	17/05/1992

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<i>Nandina domestica</i>	Japanese Sacred Bamboo	Exotic	1/06/2009
<i>Mirabilis jalapa</i>	Four-o'clock Flower	Exotic	20/03/2009
<i>Ochna serrulata</i>	Mickey Mouse Plant	Exotic	17/01/2008
<i>Olex stricta</i>		Native	17/10/1896
<i>Jasminum polyanthum</i>	White Jasmine	Exotic	15/11/2006
<i>Ligustrum lucidum</i>	Large-leaved Privet	Exotic	1/06/2009
<i>Ligustrum sinense</i>	Small-leaved Privet	Exotic	20/03/2009
<i>Notelaea longifolia</i>	Large Mock-olive	Native	17/09/2008
<i>Notelaea longifolia f. longifolia</i>		Native	30/04/1885
<i>Notelaea venosa</i>	Veined Mock-olive	Native	28/05/1996
<i>Olea europaea</i>	Common Olive	Exotic	17/09/2008
<i>Olea europaea subsp. cuspidata</i>	African Olive	Exotic	22/06/1899
<i>Epilobium billardierianum subsp. billardierianum</i>		Native	7/08/2002
<i>Epilobium billardierianum subsp. cinereum</i>		Native	14/04/2004
<i>Epilobium ciliatum</i>		Exotic	29/09/1971
<i>Epilobium hirtigerum</i>		Native	20/03/2009
<i>Gaura lindheimeri</i>		Exotic	21/10/1969
<i>Ludwigia peploides subsp. montevidensis</i>	Water Primrose	Native	14/03/2008
<i>Ludwigia peruviana</i>		Exotic	4/03/2008
<i>Oenothera affinis</i>		Exotic	20/03/2009
<i>Oenothera indecora subsp. bonariensis</i>		Exotic	5/11/1967
<i>Oenothera longiflora</i>		Exotic	20/10/2004
<i>Oenothera longiflora subsp. longiflora</i>		Exotic	21/10/1893
<i>Oenothera mollissima</i>		Exotic	20/03/2009
<i>Oenothera stricta subsp. stricta</i>		Exotic	14/03/2008
<i>Ophioglossum lusitanicum</i>	Adder's Tongue	Native	8/04/1967
<i>Acianthus caudatus</i>	Mayfly Orchid	Native	15/08/1897
<i>Acianthus exsertus</i>	Mosquito Orchid	Native	30/11/1989
<i>Acianthus fornicatus</i>	Pixie Caps	Native	30/11/1992
<i>Acianthus spp.</i>	Mosquito Orchid	Native	20/05/1998
<i>Bulbophyllum exiguum</i>		Native	1/03/2002
<i>Burnettia cuneata</i>	Lizard Orchid	Native	9/10/1994
<i>Caladenia carnea</i>	Pink Fingers	Native	17/09/1998
<i>Caladenia catenata</i>	White Caladenia	Native	30/11/1992
<i>Caladenia filamentosa</i>	Daddy Longlegs	Native	15/09/1956
<i>Caladenia fuscata</i>	Dusky Fingers	Native	3/09/1955
<i>Caladenia picta</i>		Native	30/11/1989
<i>Caladenia testacea</i>	Honey Caladenia	Native	15/09/1956
<i>Caleana major</i>	Large Duck Orchid	Native	30/11/1992
<i>Caleana spp.</i>		Native	30/11/1989
<i>Calochilus campestris</i>	Copper Beard Orchid	Native	12/09/1897
<i>Calochilus paludosus</i>	Red Beard Orchid	Native	22/10/1966
<i>Calochilus robertsonii</i>	Purplish Beard Orchid	Native	22/09/1949
<i>Calochilus spp.</i>		Native	5/09/2007
<i>Cestichis reflexa</i>		Native	31/05/1893
<i>Chiloglottis formicifera</i>	Ant Orchid	Native	16/09/1990
<i>Chiloglottis reflexa</i>		Native	30/11/1989
<i>Chiloglottis seminuda</i>		Native	19/04/1992
<i>Corybas aconitiflorus</i>	Spurred Helmet Orchid	Native	30/11/1989
<i>Corybas fimbriatus</i>	Fringed Helmet Orchid	Native	31/05/1955

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<i>Corybas pruinus</i>	Toothed Helmet Orchid	Native	30/11/1989
<i>Cryptostylis erecta</i>	Tartan Tongue Orchid	Native	1/03/2002
<i>Cryptostylis subulata</i>	Large Tongue Orchid	Native	27/02/2004
<i>Cyanicula caerulea</i>	Blue Caladenia	Native	27/08/1899
<i>Cymbidium suave</i>	Snake Orchid	Native	1/03/2002
<i>Cyrtostylis reniformis</i>	Gnat Orchid	Native	05/09/1897
<i>Dendrobium cucumerinum</i>	Cucumber Orchid	Native	17/01/1961
<i>Dendrobium linguiforme</i>	Tongue Orchid	Native	31/10/1894
<i>Dendrobium speciosum</i>	Rock Lily	Native	30/11/1989
<i>Dendrobium striolatum</i>	Streaked Rock Orchid	Native	1/03/2002
<i>Diplodium grandiflorum</i>		Native	30/11/1989
<i>Diplodium obtusum</i>		Native	23/04/1950
<i>Dipodium punctatum</i>		Native	31/12/1982
<i>Dipodium spp.</i>		Native	4/05/2007
<i>Diuris aequalis</i>	Buttercup Doubletail	Native	18/02/1905
<i>Diuris aurea</i>		Native	6/10/1964
<i>Diuris lanceolata</i>	Snake Orchid	Native	3/09/1955
<i>Diuris maculata</i>	Spotted Doubletail	Native	5/09/2007
<i>Diuris pardina</i>	Leopard Orchid	Native	7/08/2002
<i>Diuris punctata</i>	Purple Donkey Orchid	Native	30/11/1992
<i>Diuris punctata var. punctata</i>		Native	11/10/1969
<i>Diuris sulphurea</i>	Tiger Orchid	Native	30/11/1992
<i>Eriochilus cucullatus</i>	Parson's Bands	Native	31/03/1885
<i>Erythrorchis cassythoides</i>	Climbing Orchid	Native	4/03/2008
<i>Gastrodia sesamoides</i>	Cinnamon Bells	Native	24/09/1969
<i>Genoplesium despectans</i>	Sharp Midge Orchid	Native	18/03/1970
<i>Genoplesium filiforme</i>		Native	25/02/1990
<i>Genoplesium fimbriatum</i>	Fringed Midge Orchid	Native	4/03/2008
<i>Genoplesium nigricans</i>	Mallee Midge Orchid	Native	14/02/1956
<i>Genoplesium nudiscapum</i>	Dense Midge Orchid	Native	30/04/1927
<i>Genoplesium rufum</i>	Red Midge Orchid	Native	17/04/1994
<i>Genoplesium woollsii</i>		Native	30/04/1948
<i>Glossodia major</i>	Waxlip Orchid	Native	7/08/2002
<i>Glossodia minor</i>	Small Waxlip Orchid	Native	5/09/2007
<i>Lyperanthus suaveolens</i>	Brown Beaks	Native	30/11/1894
<i>Microtis parviflora</i>	Slender Onion Orchid	Native	28/11/2006
<i>Microtis rara</i>	Scented Onion Orchid	Native	09/11/1881
<i>Microtis rufa</i>		Native	9/10/1989
<i>Microtis unifolia</i>	Common Onion Orchid	Native	09/11/1881
<i>Orthoceras strictum</i>	Bird's-mouth Orchid	Native	31/08/1915
<i>Papillilabium beckeri</i>		Native	17/10/1956
<i>Paracaleana minor</i>	Small Duck Orchid	Native	30/11/1978
<i>Prasophyllum brevialbre</i>	Short-lipped Leek Orchid	Native	31/08/1994
<i>Prasophyllum elatum</i>	Tall Leek Orchid	Native	17/09/1899
<i>Pterostylis acuminata</i>	Pointed Greenhood	Native	30/05/1999
<i>Pterostylis chaetophora</i>		Native	9/10/1989
<i>Pterostylis concinna</i>	Trim Greenhood	Native	6/06/2003
<i>Pterostylis curta</i>	Blunt Greenhood	Native	13/09/1998
<i>Pterostylis erecta</i>	Erect Maroonhood	Native	5/08/1989
<i>Pterostylis gibbosa</i>	Illawarra Greenhood	Native	31/10/1949

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<i>Pterostylis longifolia</i>	Tall Greenhood	Native	6/06/2003
<i>Pterostylis mitchellii</i>	Mitchell's Rustyhood	Native	7/10/1947
<i>Pterostylis mutica</i>	Midget Greenhood	Native	3/09/1955
<i>Pterostylis nigricans</i>	Dark Greenhood	Native	12/03/1967
<i>Pterostylis nutans</i>	Nodding Greenhood	Native	27/09/1890
<i>Pterostylis reflexa</i>	Small Autumn Greenhood	Native	19/04/1992
<i>Pterostylis revoluta</i>		Native	8/04/1950
<i>Pterostylis rufa</i>	Rusty Hood	Native	4/03/2008
<i>Pterostylis saxicola</i>	Sydney Plains Greenhood	Native	6/11/2007
<i>Pterostylis spp.</i>	Greenhood	Native	6/06/2003
<i>Sarcophilus hillii</i>		Native	4/03/2008
<i>Spiranthes australis</i>	Ladies' Tresses	Native	1/04/1990
<i>Thelymitra brevifolia</i>		Native	11/10/1966
<i>Thelymitra carnea</i>	Tiny Sun Orchid	Native	30/11/1992
<i>Thelymitra cyanea</i>	Veined Sun Orchid	Native	4/11/1991
<i>Thelymitra ixioides</i> var. <i>ixioides</i>	Dotted Sun Orchid	Native	30/09/1892
<i>Thelymitra longiloba</i>		Native	31/10/1948
<i>Thelymitra media</i> var. <i>media</i>	Tall Sun Orchid	Native	20/09/1969
<i>Thelymitra pauciflora</i>	Slender Sun Orchid	Native	30/11/1992
<i>Thelymitra peniculata</i>		Native	20/09/1969
<i>Thelymitra spp.</i>		Native	1/08/2003
<i>Todea barbara</i>	King Fern	Native	27/02/2004
<i>Oxalis articulata</i>		Exotic	24/05/1989
<i>Oxalis bifurca</i>		Exotic	3/03/1992
<i>Oxalis bowiei</i>		Exotic	20/04/1962
<i>Oxalis chnoodes</i>		Native	23/01/1995
<i>Oxalis corniculata</i>	Creeping Oxalis	Exotic	1/06/2009
<i>Oxalis debilis</i> var. <i>corymbosa</i>		Exotic	13/03/2008
<i>Oxalis exilis</i>		Native	13/03/2008
<i>Oxalis incarnata</i>		Exotic	18/10/1964
<i>Oxalis latifolia</i>		Exotic	5/09/2007
<i>Oxalis perennans</i>		Native	14/07/2009
<i>Oxalis pes-caprae</i>	Soursob	Exotic	1/06/2009
<i>Oxalis purpurea</i>		Exotic	16/05/1954
<i>Oxalis spp.</i>		Native	6/06/2008
<i>Oxalis thompsoniae</i>		Exotic	16/07/2009
<i>Eschscholzia californica</i>	California Poppy	Exotic	11/10/1969
<i>Papaver dubium</i>	Longhead Poppy	Exotic	4/11/1967
<i>Papaver somniferum</i> subsp. <i>setigerum</i>		Exotic	11/10/1969
<i>Passiflora edulis</i>	Common Passionfruit	Exotic	17/09/2008
<i>Passiflora filamentosa</i>		Exotic	17/11/1983
<i>Passiflora herbertiana</i>		Native	6/06/2003
<i>Passiflora herbertiana</i> subsp. <i>herbertiana</i>	Native Passionfruit	Native	15/08/1997
<i>Passiflora morifolia</i>		Exotic	17/01/2008
<i>Passiflora spp.</i>		Exotic	6/06/2003
<i>Passiflora subpeltata</i>	White Passionflower	Exotic	30/11/1894
<i>Philydrum lanuginosum</i>	Frogmouth	Native	18/01/2005
<i>Dianella caerulea</i>	Blue Flax-lily	Native	17/09/2008
<i>Dianella caerulea</i> var. <i>assera</i>		Native	1/12/1963
<i>Dianella caerulea</i> var. <i>caerulea</i>		Native	6/06/2008

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<i>Dianella caerulea</i> var. <i>producta</i>		Native	27/02/2004
<i>Dianella longifolia</i>	Blueberry Lily	Native	14/07/2009
<i>Dianella longifolia</i> var. <i>longifolia</i>	A Blue Flax Lily	Native	31/12/1896
<i>Dianella longifolia</i> var. <i>stenophylla</i>		Native	31/10/1886
<i>Dianella prunina</i>		Native	30/11/1898
<i>Dianella revoluta</i>	Blueberry Lily	Native	17/09/2008
<i>Dianella revoluta</i> var. <i>revoluta</i>	A Blue Flax Lily	Native	16/05/2006
<i>Dianella</i> spp.		Native	17/07/2008
<i>Stypantra glauca</i>	Nodding Blue Lily	Native	30/09/1899
<i>Thelionema caespitosum</i>	Tufted Blue-lily	Native	07/01/1888
<i>Breynia oblongifolia</i>	Coffee Bush	Native	31/10/1890
<i>Glochidion ferdinandi</i>	Cheese Tree	Native	17/07/2008
<i>Glochidion ferdinandi</i> var. <i>ferdinandi</i>	Cheese Tree	Native	17/09/2008
<i>Glochidion ferdinandi</i> var. <i>pubens</i>	Hairy Cheese Tree	Native	18/02/1992
<i>Phyllanthus gunnii</i>		Native	13/01/2004
<i>Phyllanthus hirtellus</i>	Thyme Spurge	Native	17/09/2008
<i>Phyllanthus similis</i>		Native	30/11/1894
<i>Phyllanthus tenellus</i>	Hen and Chicken	Exotic	1/06/2009
<i>Phyllanthus virgatus</i>	Wiry Spurge	Native	23/07/2009
<i>Phyllanthus virgatus</i> complex		Native	12/03/1976
<i>Poranthera corymbosa</i>		Native	24/12/2003
<i>Poranthera ericifolia</i>		Native	3/10/1954
<i>Poranthera microphylla</i>	Small Poranthera	Native	23/07/2009
<i>Phytolacca octandra</i>	Inkweed	Exotic	1/06/2009
<i>Pinus radiata</i>	Radiata Pine	Exotic	2/07/1998
<i>Billardiera mutabilis</i>	Climbing Apple Berry	Native	3/10/1966
<i>Billardiera scandens</i>	Hairy Apple Berry	Native	30/11/1893
<i>Bursaria longisepala</i>		Native	8/05/1976
<i>Bursaria spinosa</i>	Native Blackthorn	Native	23/07/2009
<i>Bursaria spinosa</i> subsp. <i>lasiophylla</i>	Native Blackthorn	Native	31/05/1945
<i>Bursaria spinosa</i> subsp. <i>spinosa</i>	Native Blackthorn	Native	30/07/2008
<i>Hymenosporum flavum</i>	Native Frangipani	Native	2/07/1998
<i>Pittosporum multiflorum</i>	Orange Thorn	Native	18/05/1992
<i>Pittosporum revolutum</i>	Rough Fruit Pittosporum	Native	31/10/1896
<i>Pittosporum undulatum</i>	Sweet Pittosporum	Native	1/06/2009
<i>Rhytidosporum procumbens</i>		Native	31/12/1889
<i>Plantago coronopus</i> subsp. <i>coronopus</i>		Exotic	27/09/1969
<i>Plantago debilis</i>	Shade Plantain	Native	14/07/2009
<i>Plantago gaudichaudii</i>	Narrow Plantain	Native	6/06/2008
<i>Plantago hirtella</i>		Exotic	1/11/1969
<i>Plantago lanceolata</i>	Lamb's Tongues	Exotic	23/07/2009
<i>Plantago major</i>	Large Plantain	Exotic	17/09/2008
<i>Plantago myosuroides</i> subsp. <i>myosuroides</i>		Exotic	25/10/2004
<i>Plantago varia</i>		Native	24/10/1965
<i>Veronica arvensis</i>	Wall Speedwell	Exotic	7/10/1965
<i>Veronica persica</i>	Creeping Speedwell	Exotic	25/10/2004
<i>Veronica plebeia</i>	Trailing Speedwell	Native	23/07/2009
<i>Agrostis capillaris</i>	Browntop Bent	Exotic	30/01/1964
<i>Agrostis gigantea</i>	Redtop Bent	Exotic	25/12/1966
<i>Agrostis stolonifera</i>	Creeping Bent	Exotic	22/12/2003

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<i>Aira caryophyllaea</i>	Silvery Hairgrass	Exotic	4/03/2008
<i>Aira cupaniana</i>	Silvery Hairgrass	Exotic	5/10/1969
<i>Amphibromus nervosus</i>	Swamp Wallaby Grass	Native	1/11/1969
<i>Andropogon virginicus</i>	Whisky Grass	Exotic	1/06/2009
<i>Anisopogon avenaceus</i>	Oat Speargrass	Native	17/09/2008
<i>Aristida benthamii</i> var. <i>benthamii</i>		Native	17/02/1962
<i>Aristida benthamii</i> var. <i>spinulifera</i>		Native	1/08/2003
<i>Aristida calycina</i>		Native	17/09/2008
<i>Aristida echinata</i>		Native	19/03/1984
<i>Aristida jerichoensis</i> var. <i>jerichoensis</i>	Jericho Wiregrass	Native	27/02/2004
<i>Aristida personata</i>		Native	24/02/1967
<i>Aristida ramosa</i>	Purple Wiregrass	Native	23/07/2009
<i>Aristida</i> spp.	A Wiregrass	Native	18/01/2005
<i>Aristida vagans</i>	Threeawn Speargrass	Native	23/07/2009
<i>Aristida warburgii</i>		Native	25/12/1966
<i>Arundo donax</i>	Giant Reed	Exotic	5/09/2007
<i>Austrodanthonia bipartita</i>	Wallaby Grass	Native	14/03/2008
<i>Austrodanthonia fulva</i>	Wallaby Grass	Native	1/06/2009
<i>Austrodanthonia monticola</i>	A Wallaby Grass	Native	7/08/2002
<i>Austrodanthonia pilosa</i>	Smooth-flowered Wallaby Grass	Native	4/03/2008
<i>Austrodanthonia racemosa</i>	Wallaby Grass	Native	31/05/1885
<i>Austrodanthonia racemosa</i> var. <i>racemosa</i>	A Wallaby Grass	Native	14/01/2005
<i>Austrodanthonia setacea</i>	Smallflower Wallaby Grass	Native	23/07/2009
<i>Austrodanthonia</i> spp.	A Wallaby Grass	Native	7/08/2007
<i>Austrodanthonia tenuior</i>	A Wallaby Grass	Native	1/06/2009
<i>Austrostipa aristiglumis</i>	Plains Grass	Native	8/01/1969
<i>Austrostipa nodosa</i>	A Speargrass	Native	16/03/2003
<i>Austrostipa pubescens</i>		Native	4/05/2007
<i>Austrostipa ramosissima</i>	Stout Bamboo Grass	Native	13/03/2008
<i>Austrostipa rudis</i>		Native	19/11/2004
<i>Austrostipa rudis</i> subsp. <i>nervosa</i>	A Speargrass	Native	13/01/1999
<i>Austrostipa rudis</i> subsp. <i>rudis</i>		Native	1/08/2003
<i>Austrostipa scabra</i>	Speargrass	Native	12/10/2005
<i>Austrostipa scabra</i> subsp. <i>falcata</i>	Rough Speargrass	Native	21/02/2003
<i>Austrostipa scabra</i> subsp. <i>scabra</i>	Rough Speargrass	Native	8/01/1969
<i>Austrostipa setacea</i>	Corkscrew Grass	Native	19/11/2003
<i>Austrostipa</i> spp.	A Speargrass	Native	5/09/2007
<i>Austrostipa verticillata</i>	Slender Bamboo Grass	Native	25/10/2004
<i>Avena barbata</i>	Bearded Oats	Exotic	17/09/2004
<i>Avena fatua</i>	Wild Oats	Exotic	17/09/2008
<i>Avena ludoviciana</i>	Ludo Wild Oats	Exotic	29/10/1965
<i>Avena sativa</i>	Oats	Exotic	20/10/2004
<i>Avena</i> spp.	Oats	Exotic	7/08/2007
<i>Axonopus compressus</i>	Broad-leaved Carpet Grass	Exotic	26/03/1973
<i>Axonopus fissifolius</i>	Narrow-leaved Carpet Grass	Exotic	23/07/2009
<i>Bambusa</i> spp.	Unidentified bamboo	Exotic	2/04/2004
<i>Bothriochloa decipiens</i> var. <i>decipiens</i>	Pitted Bluegrass	Native	4/09/2005
<i>Bothriochloa macra</i>	Red Grass	Native	31/05/1885
<i>Bothriochloa</i> spp.	Redgrass, Bluegrass	Exotic	4/06/2004
<i>Brachyachne convergens</i>	Common Native Couch	Native	4/03/2008

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<i>Briza maxima</i>	Quaking Grass	Exotic	1/06/2009
<i>Briza minor</i>	Shivery Grass	Exotic	1/06/2009
<i>Briza subaristata</i>		Exotic	20/03/2009
<i>Bromus catharticus</i>	Praire Grass	Exotic	1/06/2009
<i>Bromus diandrus</i>	Great Brome	Exotic	1/06/2009
<i>Bromus hordeaceus</i>	Soft Brome	Exotic	25/10/2004
<i>Bromus madritensis</i>	Madrid Brome	Exotic	22/10/1967
<i>Bromus molliformis</i>	Soft Brome	Exotic	2/04/2004
<i>Bromus rubens</i>	Red Brome	Exotic	6/11/1965
<i>Capillipedium parviflorum</i>	Scented-top Grass	Native	5/09/2007
<i>Cenchrus caliculatus</i>	Hillside Burrgrass	Native	17/12/1985
<i>Cenchrus echinatus</i>	Mossman River Grass	Exotic	1/03/1992
<i>Chloris divaricata</i> var. <i>divaricata</i>	Slender Chloris	Native	13/03/2008
<i>Chloris gayana</i>	Rhodes Grass	Exotic	1/06/2009
<i>Chloris truncata</i>	Windmill Grass	Native	1/06/2009
<i>Chloris ventricosa</i>	Tall Chloris	Native	23/07/2009
<i>Chloris virgata</i>	Feathertop Rhodes Grass	Exotic	1/06/2009
<i>Cortaderia jubata</i>	Pink Pampas Grass	Exotic	3/04/2005
<i>Cortaderia selloana</i>	Pampas Grass	Exotic	1/06/2009
<i>Cymbopogon refractus</i>	Barbed Wire Grass	Native	23/07/2009
<i>Cynodon dactylon</i>	Common Couch	Native	1/06/2009
<i>Cynodon incompletus</i>		Exotic	23/01/1954
<i>Cynodon nlemfuensis</i> var. <i>nlemfuensis</i>		Exotic	17/02/1954
<i>Dactylis glomerata</i>	Cocksfoot	Exotic	13/03/2008
<i>Dactyloctenium australe</i>	Durban Grass	Exotic	14/01/2005
<i>Dactyloctenium radulans</i>	Button Grass	Native	15/04/1968
<i>Deyeuxia appressa</i>		Native	9/11/1930
<i>Deyeuxia decipiens</i>	Devious Bent-grass	Native	25/12/1966
<i>Deyeuxia nudiflora</i>		Native	21/12/1966
<i>Deyeuxia quadriseta</i>		Native	30/11/1969
<i>Dichanthium sericeum</i>	Queensland Bluegrass	Native	14/03/2008
<i>Dichanthium sericeum</i> subsp. <i>sericeum</i>	Queensland Bluegrass	Native	17/12/1985
<i>Dichelachne crinita</i>	Longhair Plumegrass	Native	17/09/2008
<i>Dichelachne inaequiglumis</i>		Native	23/07/2009
<i>Dichelachne micrantha</i>	Shorthair Plumegrass	Native	21/10/1893
<i>Dichelachne parva</i>		Native	30/04/1894
<i>Dichelachne rara</i>		Native	11/01/2000
<i>Digitaria aequiglumis</i>		Exotic	29/01/1968
<i>Digitaria breviglumis</i>		Native	24/03/1962
<i>Digitaria ciliaris</i>	Summer Grass	Exotic	13/03/2008
<i>Digitaria diffusa</i>	Open Summer-grass	Native	13/03/2008
<i>Digitaria divaricatissima</i>	Umbrella Grass	Native	14/05/2007
<i>Digitaria ischaemum</i>		Exotic	14/03/2008
<i>Digitaria longiflora</i>		Native	27/12/1918
<i>Digitaria parviflora</i>	Small-flowered Finger Grass	Native	4/03/2008
<i>Digitaria sanguinalis</i>	Crab Grass	Exotic	20/03/2009
<i>Digitaria</i> spp.	A Finger Grass	Exotic	14/09/2002
<i>Digitaria violascens</i>		Exotic	14/03/2008
<i>Echinochloa colona</i>	Awnless Barnyard Grass	Native	24/02/1971
<i>Echinochloa crus-galli</i>	Barnyard Grass	Exotic	31/03/1898

Scientific Name	Common Name	Native or Exotic	Last Sited
<i>Echinochloa crus-galli</i>	South American Barnyard Grass	Exotic	24/02/1971
<i>Echinochloa esculenta</i>	Japanese Millet	Exotic	31/01/1928
<i>Echinochloa telmatophila</i>	Swamp Barnyard Grass	Native	1/04/1968
<i>Echinopogon caespitosus</i>	Bushy Hedgehog-grass	Native	14/03/2008
<i>Echinopogon caespitosus</i> var. <i>caespitosus</i>	Tufted Hedgehog Grass	Native	13/03/2008
<i>Echinopogon ovatus</i>	Forest Hedgehog Grass	Native	30/11/1894
<i>Echinopogon</i> spp.	A Hedgehog Grass	Native	18/01/2005
<i>Ehrharta erecta</i>	Panic Veldtgrass	Exotic	1/06/2009
<i>Ehrharta longiflora</i>	Annual Veldtgrass	Exotic	31/08/1975
<i>Eleusine indica</i>	Crowsfoot Grass	Exotic	4/03/2008
<i>Eleusine</i> spp.		Exotic	7/01/2004
<i>Eleusine tristachya</i>	Goose Grass	Exotic	14/03/2008
<i>Elymus multiflorus</i>	Philip Island Wheatgrass	Native	4/03/2008
<i>Elymus scaber</i>	Common Wheatgrass	Native	14/03/2003
<i>Elymus scaber</i> var. <i>scaber</i>	Common Wheatgrass	Native	20/10/2004
<i>Enteropogon acicularis</i>	Curly Windmill Grass	Native	15/05/2006
<i>Entolasia marginata</i>	Bordered Panic	Native	1/06/2009
<i>Entolasia</i> spp.		Native	1/08/2003
<i>Entolasia stricta</i>	Wiry Panic	Native	20/03/2009
<i>Entolasia whiteana</i>		Native	31/05/1986
<i>Eragrostis alveiformis</i>		Native	24/03/1967
<i>Eragrostis benthamii</i>		Native	27/02/2004
<i>Eragrostis brownii</i>	Brown's Lovegrass	Native	23/07/2009
<i>Eragrostis cilianensis</i>	Stinkgrass	Exotic	1/06/2009
<i>Eragrostis curvula</i>	African Lovegrass	Exotic	9/07/2009
<i>Eragrostis elongata</i>	Clustered Lovegrass	Native	10/02/1968
<i>Eragrostis lacunaria</i>	Purple Lovegrass	Native	29/02/1880
<i>Eragrostis leptostachya</i>	Paddock Lovegrass	Native	31/03/1894
<i>Eragrostis mexicana</i>	Mexican Lovegrass	Exotic	20/03/2009
<i>Eragrostis parviflora</i>	Weeping Lovegrass	Native	16/03/2003
<i>Eragrostis sororia</i>		Native	5/04/1969
<i>Eragrostis</i> spp.	A Lovegrass	Exotic	20/03/2009
<i>Eriochloa pseudoacrotricha</i>	Early Spring Grass	Native	16/07/2009
<i>Festuca elatior</i>	Tall Fescue	Exotic	25/05/2006
<i>Glyceria australis</i>	Australian Sweetgrass	Native	17/05/1992
<i>Hainardia cylindrica</i>	Common Barbgrass	Exotic	4/03/2008
<i>Hemarthria uncinata</i>	Matgrass	Native	22/10/2004
<i>Hemarthria uncinata</i> var. <i>uncinata</i>		Native	2/12/1998
<i>Holcus lanatus</i>	Yorkshire Fog	Exotic	14/01/2005
<i>Hordeum distichon</i>	Two Row Barley	Exotic	2/10/1967
<i>Hordeum glaucum</i>	Northern Barley Grass	Exotic	2/10/1967
<i>Hordeum leporinum</i>	Barley Grass	Exotic	7/12/1987
<i>Hyparrhenia hirta</i>	Coolatai Grass	Exotic	1/06/2009
<i>Imperata cylindrica</i>	Blady Grass	Native	17/09/2008
<i>Joycea pallida</i>	Silvertop Wallaby Grass	Native	13/01/1999
<i>Lachnagrostis aemula</i>	Blowngrass	Native	20/03/2009
<i>Lachnagrostis filiformis</i>		Native	03/11/1894
<i>Lamarckia aurea</i>	Goldentop	Exotic	23/10/1969
<i>Leptochloa ciliolata</i>	Fine canegrass	Native	4/03/2008
<i>Lolium loliaceum</i>	Stiff Ryegrass	Exotic	29/10/1966

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<i>Lolium multiflorum</i>	Italian Ryegrass	Exotic	20/10/2004
<i>Lolium perenne</i>	Perennial Ryegrass	Exotic	1/06/2009
<i>Lolium rigidum</i>	Wimmera Ryegrass	Exotic	17/09/2008
<i>Lolium spp.</i>	A Ryegrass	Exotic	17/09/2008
<i>Megathyrsus maximus</i>		Exotic	14/03/2008
<i>Melinis repens</i>	Red Natal Grass	Exotic	17/09/2008
<i>Microlaena stipoides</i>	Weeping Grass	Native	23/07/2009
<i>Microlaena stipoides var. stipoides</i>	Weeping Grass	Native	6/06/2008
<i>Nassella neesiana</i>	Chilean Needle Grass	Exotic	1/06/2009
<i>Notodanthonia longifolia</i>	Long-leaved Wallaby Grass	Native	1/02/2005
<i>Notodanthonia semiannularis</i>	Tasmanian Wallaby Grass	Native	13/02/1996
<i>Oplismenus aemulus</i>		Native	20/03/2009
<i>Oplismenus imbecillis</i>		Native	16/07/2009
<i>Panicum bisulcatum</i>	Black-seeded Panic	Native	27/11/2003
<i>Panicum decompositum var. tenuius</i>		Native	12/04/1987
<i>Panicum effusum</i>	Hairy Panic	Native	30/04/1894
<i>Panicum maximum var. trichoglume</i>	Green Panic	Exotic	13/03/2008
<i>Panicum miliaceum</i>	French Millet	Exotic	1/06/1968
<i>Panicum obseptum</i>	White Water Panic	Native	24/03/1967
<i>Panicum simile</i>	Two-colour Panic	Native	5/09/2007
<i>Panicum spp.</i>	Panicum	Native	1/06/2009
<i>Parapholis incurva</i>	Coast Barb Grass	Exotic	26/10/1971
<i>Paspalidium albobillosum</i>		Native	13/01/1999
<i>Paspalidium aversum</i>	Bent Summer Grass	Native	2/12/1998
<i>Paspalidium criniforme</i>		Native	19/04/2004
<i>Paspalidium distans</i>		Native	31/03/1898
<i>Paspalidium gracile</i>	Slender Panic	Native	12/10/2005
<i>Paspalidium spp.</i>		Native	6/06/2003
<i>Paspalum dilatatum</i>	Paspalum	Exotic	14/07/2009
<i>Paspalum distichum</i>	Water Couch	Native	30/07/2008
<i>Paspalum notatum</i>	Bahia Grass	Exotic	4/04/1993
<i>Paspalum orbiculare</i>	Ditch Millet	Native	4/12/1998
<i>Paspalum quadrifarium</i>	Tussock Paspalum	Exotic	5/09/2007
<i>Paspalum urvillei</i>	Vasey Grass	Exotic	20/03/2009
<i>Paspalum vaginatum</i>	Salt-water Couch	Native	02/03/1890
<i>Pennisetum alopecuroides</i>	Swamp Foxtail	Native	14/03/2003
<i>Pennisetum clandestinum</i>	Kikuyu Grass	Exotic	1/06/2009
<i>Pennisetum setaceum</i>	Fountain Grass	Exotic	5/09/2007
<i>Pennisetum villosum</i>	Feathertop	Exotic	25/05/2006
<i>Phalaris aquatica</i>	Phalaris	Exotic	20/10/2004
<i>Phalaris minor</i>	Lesser Canary Grass	Exotic	25/05/2006
<i>Phalaris spp.</i>		Exotic	15/11/2006
<i>Phragmites australis</i>	Common Reed	Native	20/03/2009
<i>Phyllostachys aurea</i>	Fishpole Bamboo	Exotic	14/11/2005
<i>Phyllostachys spp.</i>		Exotic	5/09/2007
<i>Plinthanthesis paradoxa</i>		Native	14/11/1935
<i>Poa affinis</i>		Native	26/03/2007
<i>Poa annua</i>	Winter Grass	Exotic	20/10/2004
<i>Poa labillardierei var. labillardierei</i>	Tussock	Native	30/11/1894
<i>Poa meionectes</i>		Native	16/11/1983

Scientific Name	Common Name	Native or Exotic	Last Sited
<i>Poa pratensis</i>	Kentucky Bluegrass	Exotic	14/03/2003
<i>Poa sieberiana</i>	Snowgrass	Native	13/01/2004
<i>Poa spp.</i>		Exotic	15/11/2006
<i>Polypogon lutosus</i>	Perennial Beardgrass	Exotic	31/10/1992
<i>Polypogon monspeliensis</i>	Annual Beardgrass	Exotic	20/10/2004
<i>Pseudoraphis paradoxa</i>	Slender Mudgrass	Native	15/04/1968
<i>Rostraria cristata</i>	Annual Cat's Tail	Exotic	20/10/1894
<i>Sacciolepis indica</i>	Indian Cupscale Grass	Native	31/03/1898
<i>Secale cereale</i>	Cereal Rye	Exotic	3/08/1968
<i>Setaria italica</i>	Foxtail Millet	Exotic	24/02/1962
<i>Setaria parviflora</i>		Exotic	1/06/2009
<i>Setaria pumila</i>	Pale Pigeon Grass	Exotic	13/01/2004
<i>Setaria sphacelata</i>	South African Pigeon Grass	Exotic	13/03/2008
<i>Setaria spp.</i>		Exotic	22/10/2004
<i>Sorghum bicolor</i>	Sorghum	Exotic	1/06/1968
<i>Sorghum bicolor subsp. drummondii</i>		Exotic	1/06/1968
<i>Sorghum halepense</i>	Johnson Grass	Exotic	20/03/2009
<i>Sorghum leiocladum</i>	Wild Sorghum	Native	15/03/2005
<i>Sporobolus africanus</i>	Parramatta Grass	Exotic	14/07/2009
<i>Sporobolus creber</i>	Slender Rat's Tail Grass	Native	9/07/2009
<i>Sporobolus elongatus</i>	Slender Rat's Tail Grass	Native	25/05/2006
<i>Sporobolus fertilis</i>	Giant Parramatta Grass	Exotic	20/03/2009
<i>Sporobolus indicus</i>	Parramatta Grass	Exotic	23/07/2009
<i>Sporobolus spp.</i>	Rat's Tail Couch	Exotic	15/11/2006
<i>Sporobolus virginicus</i>		Native	31/03/1898
<i>Sporobolus virginicus var. minor</i>	Marine Couch	Native	31/03/1899
<i>Stenotaphrum secundatum</i>	Buffalo Grass	Exotic	1/06/2009
<i>Tetrarrhena juncea</i>	Wiry Ricegrass	Native	27/02/2004
<i>Themeda australis</i>	Kangaroo Grass	Native	23/07/2009
<i>Tragus australianus</i>	Small Burrgrass	Native	13/02/2001
<i>Triticum aestivum</i>	Wheat	Exotic	29/10/1966
<i>Urochloa panicoides</i>	Urochloa Grass	Exotic	16/03/2003
<i>Urochloa piligera</i>	Hairy Armgrass	Native	8/02/1981
<i>Vulpia bromoides</i>	Squirrel Tail Fesque	Exotic	18/06/2003
<i>Vulpia myuros</i>	Rat's Tail Fescue	Exotic	25/10/2004
<i>Vulpia spp.</i>	Rat's-tail Fescue	Exotic	22/12/2003
<i>Zea mays</i>	Maize	Exotic	1/06/1968
<i>Zoysia macrantha</i>	Prickly Couch	Native	30/01/1964
<i>Zygochloa paradoxa</i>	Sandhill Canegrass	Native	20/02/2001
<i>Podocarpus spinulosus</i>	Spiny-leaf Podocarp	Native	17/09/2008
<i>Comesperma ericinum</i>	Pyramid Flower	Native	27/02/2004
<i>Comesperma sphaerocarpaceum</i>		Native	09/11/1889
<i>Comesperma volubile</i>		Native	31/10/1848
<i>Polygala japonica</i>	Dwarf Milkwort	Native	23/07/2009
<i>Polygala myrtifolia</i>		Exotic	19/09/1964
<i>Polygala virgata</i>		Exotic	17/09/2008
<i>Acetosa sagittata</i>	Rambling Dock	Exotic	20/03/2009
<i>Acetosella vulgaris</i>	Sheep Sorrel	Exotic	14/03/2008
<i>Emex australis</i>	Spiny Emex	Exotic	4/03/2008
<i>Fallopia convolvulus</i>	Black Bindweed	Exotic	21/10/1967

Scientific Name	Common Name	Native or Exotic	Last Sited
<i>Muehlenbeckia gracillima</i>	Slender Lignum	Native	31/12/1889
<i>Persicaria decipiens</i>	Slender Knotweed	Native	30/07/2008
<i>Persicaria hydropiper</i>	Water Pepper	Native	20/03/2009
<i>Persicaria lapathifolia</i>	Pale Knotweed	Native	13/03/2008
<i>Persicaria orientalis</i>	Princes Feathers	Native	31/03/1893
<i>Persicaria praetermissa</i>		Native	14/03/2008
<i>Persicaria prostrata</i>	Creeping Knotweed	Native	30/06/1895
<i>Persicaria spp.</i>	Knotweed	Exotic	22/12/2005
<i>Persicaria strigosa</i>		Native	5/09/2007
<i>Persicaria subsessilis</i>	Hairy Knotweed	Native	20/03/2009
<i>Polygonum arenastrum</i>	Wireweed	Exotic	14/11/2005
<i>Polygonum aviculare</i>	Wireweed	Exotic	13/03/2008
<i>Polygonum plebeium</i>	Small Knotweed	Native	6/07/1968
<i>Rumex brownii</i>	Swamp Dock	Native	20/03/2009
<i>Rumex conglomeratus</i>	Clustered Dock	Exotic	28/08/2004
<i>Rumex crispus</i>	Curled Dock	Exotic	16/11/1893
<i>Rumex obtusifolius</i>	Broadleaf Dock	Exotic	20/10/2004
<i>Rumex pulcher</i>	Fiddle Dock	Exotic	14/01/2005
<i>Rumex spp.</i>	Dock	Exotic	22/10/2004
<i>Rumex tenax</i>	Shiny Dock	Native	30/11/1895
<i>Microsorium scandens</i>	Fragrant Fern	Native	24/05/1897
<i>Platynerium bifurcatum</i>	Elkhorn Fern	Native	1/03/2002
<i>Pyrrosia rupestris</i>	Rock Felt Fern	Native	16/02/1894
<i>Eichhornia crassipes</i>	Water Hyacinth	Exotic	18/03/1975
<i>Calandrinia pickeringii</i>		Native	15/12/2005
<i>Portulaca oleracea</i>	Pigweed	Native	20/03/2009
<i>Potamogeton cheesemanii</i>		Native	31/10/1964
<i>Potamogeton ochreatus</i>	Blunt Pondweed	Native	13/01/2004
<i>Potamogeton octandrus</i>		Native	21/06/1972
<i>Potamogeton sulcatus</i>		Native	10/12/1987
<i>Potamogeton tricarlinatus</i>	Floating Pondweed	Native	13/01/2004
<i>Samolus repens</i>	Creeping Brookweed	Native	20/10/2004
<i>Samolus valerandi</i>	Common Brookweed	Native	10/04/1993
<i>Banksia aemula</i>	Wallum Banksia	Native	4/03/2008
<i>Banksia ericifolia</i>	Heath-leaved Banksia	Native	17/09/2008
<i>Banksia ericifolia subsp. ericifolia</i>		Native	8/04/1905
<i>Banksia integrifolia</i>	Coast Banksia	Native	17/09/2008
<i>Banksia integrifolia subsp. integrifolia</i>	Coastal Banksia	Native	13/03/1899
<i>Banksia marginata</i>	Silver Banksia	Native	5/09/2007
<i>Banksia oblongifolia</i>	Fern-leaved Banksia	Native	5/09/2007
<i>Banksia robur</i>	Swamp Banksia	Native	31/03/1900
<i>Banksia serrata</i>	Old-man Banksia	Native	17/09/2008
<i>Banksia spinulosa</i>	Hairpin Banksia	Native	17/09/2008
<i>Banksia spinulosa var. spinulosa</i>		Native	2/12/1998
<i>Conospermum ellipticum</i>		Native	5/09/2007
<i>Conospermum longifolium</i>	Long Leaf Smoke-bush	Native	1/08/2003
<i>Conospermum longifolium subsp. angustifolium</i>		Native	27/08/1887
<i>Conospermum longifolium subsp. longifolium</i>		Native	17/09/2008
<i>Conospermum taxifolium</i>	Variable Smoke-bush	Native	4/03/2008
<i>Conospermum tenuifolium</i>	Sprawling Smoke-bush	Native	31/10/1915

Scientific Name	Common Name	Native or Exotic	Last Sited
<i>Grevillea arenaria</i> subsp. <i>arenaria</i>	Sand Grevillea	Native	4/03/2008
<i>Grevillea buxifolia</i>	Grey Spider Flower	Native	30/09/1896
<i>Grevillea diffusa</i>		Native	31/10/1894
<i>Grevillea diffusa</i> subsp. <i>constablei</i>		Native	5/09/2007
<i>Grevillea diffusa</i> subsp. <i>diffusa</i>		Native	7/10/2001
<i>Grevillea juniperina</i> subsp. <i>juniperina</i>	Juniper-leaved Grevillea	Native	4/05/2001
<i>Grevillea linearifolia</i>	Linear-leaf Grevillea	Native	27/02/2004
<i>Grevillea longifolia</i>		Native	30/09/1898
<i>Grevillea mucronulata</i>		Native	31/08/1887
<i>Grevillea oleoides</i>	Red Spider Flower	Native	31/10/1894
<i>Grevillea parviflora</i>		Native	31/10/1898
<i>Grevillea parviflora</i> subsp. <i>parviflora</i>	Small-flower Grevillea	Native	30/11/1899
<i>Grevillea phyllicoides</i>	Grey Spider Flower	Native	31/08/1915
<i>Grevillea robusta</i>	Silky Oak	Native	1/06/2009
<i>Grevillea sericea</i>	Pink Spider Flower	Native	17/09/2008
<i>Grevillea sericea</i> subsp. <i>sericea</i>		Native	30/09/1893
<i>Grevillea speciosa</i>	Red Spider Flower	Native	1/08/2003
<i>Grevillea sphacelata</i>	Grey Spider Flower	Native	4/03/2008
<i>Grevillea</i> spp.		Native	1/06/2009
<i>Hakea dactyloides</i>	Finger Hakea	Native	17/09/2008
<i>Hakea gibbosa</i>		Native	4/03/2008
<i>Hakea laevipes</i>		Native	1/08/2003
<i>Hakea microcarpa</i>	Small-fruited Hakea	Native	20/04/2001
<i>Hakea propinqua</i>		Native	31/12/1889
<i>Hakea salicifolia</i>	Willow-leaved Hakea	Native	19/11/2004
<i>Hakea salicifolia</i> subsp. <i>angustifolia</i>		Native	19/08/1967
<i>Hakea salicifolia</i> subsp. <i>salicifolia</i>		Native	22/09/1888
<i>Hakea sericea</i>	Needlebush	Native	30/09/1895
<i>Hakea teretifolia</i>	Needlebush	Native	17/09/2008
<i>Hakea teretifolia</i> subsp. <i>teretifolia</i>		Native	3/01/1951
<i>Isopogon anemonifolius</i>	Broad-leaf Drumsticks	Native	17/09/2008
<i>Isopogon anethifolius</i>	Narrow-leaf Drumsticks	Native	1/08/2003
<i>Isopogon dawsonii</i>	Nepean Conebush	Native	5/07/1983
<i>Lambertia formosa</i>	Mountain Devil	Native	5/09/2007
<i>Lomatia myricoides</i>	River Lomatia	Native	31/10/1893
<i>Lomatia silaifolia</i>	Crinkle Bush	Native	07/01/1888
<i>Persoonia acerosa</i>	Needle Geebung	Native	14/02/1990
<i>Persoonia chamaepitys</i>	Mountain Geebung	Native	24/11/1893
<i>Persoonia hirsuta</i>	Hairy Geebung	Native	09/11/1898
<i>Persoonia lanceolata</i>	Lance Leaf Geebung	Native	17/09/2008
<i>Persoonia laurina</i>	Laurel Geebung	Native	7/08/2002
<i>Persoonia laurina</i> subsp. <i>intermedia</i>		Native	28/11/1993
<i>Persoonia laurina</i> subsp. <i>laurina</i>		Native	31/12/1896
<i>Persoonia levis</i>	Broad-leaved Geebung	Native	5/09/2007
<i>Persoonia levis</i> x <i>linearis</i>		Native	4/08/1968
<i>Persoonia linearis</i>	Narrow-leaved Geebung	Native	5/09/2007
<i>Persoonia mollis</i> subsp. <i>leptophylla</i>		Native	4/03/2008
<i>Persoonia mollis</i> subsp. <i>maxima</i>		Native	27/02/2004
<i>Persoonia mollis</i> subsp. <i>mollis</i>		Native	4/03/2008
<i>Persoonia mollis</i> subsp. <i>nectens</i>		Native	2/10/2002

Scientific Name	Common Name	Native or Exotic	Last Sited
<i>Persoonia nutans</i>	Nodding Geebung	Native	30/06/1897
<i>Persoonia oblongata</i>		Native	17/09/2008
<i>Persoonia pinifolia</i>	Pine-leaved Geebung	Native	25/02/1899
<i>Petrophile pedunculata</i>		Native	26/12/1898
<i>Petrophile pulchella</i>	Conesticks	Native	4/03/2008
<i>Petrophile sessilis</i>		Native	17/09/2008
<i>Stenocarpus salignus</i>	Scrub Beefwood	Native	1/03/2002
<i>Symphionema paludosum</i>		Native	1/10/1976
<i>Telopea speciosissima</i>	Waratah	Native	1/08/2003
<i>Xylomelum pyriforme</i>	Woody Pear	Native	5/09/2007
<i>Psilotum nudum</i>	Skeleton Fork-Fern	Native	27/02/2004
<i>Pteris tremula</i>	Tender Brake	Native	27/02/2004
<i>Clematis aristata</i>	Old Man's Beard	Native	17/07/2008
<i>Clematis glycinoides</i>	Headache Vine	Native	30/11/1892
<i>Clematis glycinoides</i> var. <i>glycinoides</i>		Native	6/06/2008
<i>Ranunculus inundatus</i>	River Buttercup	Native	30/07/2008
<i>Ranunculus lappaceus</i>	Common Buttercup	Native	16/11/1889
<i>Ranunculus muricatus</i>	Sharp Buttercup	Exotic	3/10/1963
<i>Ranunculus plebeius</i>	Forest Buttercup	Native	13/02/1966
<i>Ranunculus repens</i>	Creeping Buttercup	Exotic	4/03/2008
<i>Ranunculus sceleratus</i>	Celery Buttercup	Exotic	25/10/2004
<i>Ranunculus sessiliflorus</i>	Small-flowered Buttercup	Native	27/09/1987
<i>Ranunculus sessiliflorus</i> var. <i>sessiliflorus</i>		Native	5/08/2003
<i>Ranunculus</i> spp.		Native	2/10/2002
<i>Reseda luteola</i>	Weld	Exotic	26/06/1968
<i>Baloskion gracile</i>		Native	31/10/1894
<i>Baloskion tetraphyllum</i> subsp. <i>meiostachyum</i>	Plume Rush	Native	5/09/2007
<i>Chordifex dimorphus</i>		Native	1/10/1966
<i>Chordifex fastigiatus</i>		Native	5/09/2007
<i>Empodisma minus</i>		Native	20/10/2004
<i>Eurychorda complanata</i>		Native	23/04/1962
<i>Hypolaena fastigiata</i>		Native	5/09/2007
<i>Leptocarpus tenax</i>		Native	1/08/2003
<i>Lepyrodia muelleri</i>		Native	7/08/2002
<i>Lepyrodia scariosa</i>		Native	5/09/2007
<i>Lepyrodia verruculosa</i>		Native	27/01/1964
<i>Alphitonia excelsa</i>	Red Ash	Native	18/12/2007
<i>Cryptandra amara</i>	Bitter Cryptandra	Native	13/07/1887
<i>Cryptandra amara</i> var. <i>amara</i>		Native	25/05/1993
<i>Cryptandra amara</i> var. <i>longiflora</i>		Native	30/09/1964
<i>Cryptandra ericoides</i>	Heathy Cryptandra	Native	25/02/1899
<i>Cryptandra propinqua</i>		Native	31/05/1895
<i>Cryptandra spinescens</i>		Native	04/08/1894
<i>Pomaderris andromedifolia</i> subsp. <i>andromedifolia</i>		Native	31/10/1895
<i>Pomaderris aspera</i>	Hazel Pomaderris	Native	17/11/1894
<i>Pomaderris brunnea</i>	Brown Pomaderris	Native	31/08/1894
<i>Pomaderris discolor</i>		Native	25/10/2004
<i>Pomaderris elliptica</i> subsp. <i>elliptica</i>		Native	4/03/2008
<i>Pomaderris eriocephala</i>		Native	14/01/2002
<i>Pomaderris ferruginea</i>		Native	02/05/1896

Scientific Name	Common Name	Native or Exotic	Last Sited
<i>Pomaderris intermedia</i>		Native	30/09/1896
<i>Pomaderris lanigera</i>	Woolly Pomaderris	Native	17/07/2008
<i>Pomaderris ledifolia</i>	Sydney Pomaderris	Native	27/09/1987
<i>Pomaderris ligustrina</i>	Privet Pomaderris	Native	7/08/2002
<i>Pomaderris ligustrina subsp. ligustrina</i>		Native	31/10/1895
<i>Pomaderris prunifolia</i>	P. prunifolia in the Parramatta, Auburn, Strathfield and Bankstown Local Government Areas	Native	5/09/2007
<i>Pomaderris vellea</i>		Native	28/05/1996
<i>Rhamnus alaternus</i>	Buckthorn	Exotic	1/06/2009
<i>Acaena agnipila</i>	Hairy Sheep's Burr	Native	23/10/1965
<i>Acaena echinata</i>	Sheep's Burr	Native	25/09/1965
<i>Acaena echinata var. subglabricalyx</i>		Native	31/10/1934
<i>Potentilla indica</i>	Indian Strawberry	Exotic	29/11/1969
<i>Rosa rubiginosa</i>	Sweet Briar	Exotic	14/03/2008
<i>Rosa spp.</i>		Exotic	15/11/2006
<i>Rubus anglocandicans</i>	Blackberry	Exotic	9/12/1985
<i>Rubus fruticosus sp. agg.</i>	Blackberry complex	Exotic	1/06/2009
<i>Rubus parvifolius</i>	Native Raspberry	Native	21/10/1893
<i>Rubus ulmifolius</i>	Blackberry	Exotic	7/08/2002
<i>Asperula conferta</i>	Common Woodruff	Native	19/09/1886
<i>Galium aparine</i>	Goosegrass	Exotic	17/09/2008
<i>Galium binifolium</i>		Native	10/12/1985
<i>Galium gaudichaudii</i>	Rough Bedstraw	Native	14/01/2005
<i>Galium migrans</i>		Native	13/03/2008
<i>Galium propinquum</i>	Maori Bedstraw	Native	16/07/2009
<i>Galium tricornutum</i>	Three-horned Bedstraw	Exotic	6/06/2008
<i>Morinda jasminoides</i>	Sweet Morinda	Native	1/03/2002
<i>Opercularia aspera</i>	Coarse Stinkweed	Native	5/09/2007
<i>Opercularia diphylla</i>	Stinkweed	Native	23/07/2009
<i>Opercularia hispida</i>	Hairy Stinkweed	Native	4/11/1966
<i>Opercularia spp.</i>		Native	13/01/1999
<i>Opercularia varia</i>	Variable Stinkweed	Native	6/06/2003
<i>Pomax umbellata</i>	Pomax	Native	17/09/2008
<i>Richardia brasiliensis</i>	Mexican Clover	Exotic	5/09/2007
<i>Richardia humistrata</i>		Exotic	25/10/2004
<i>Richardia spp.</i>		Exotic	1/06/2009
<i>Richardia stellaris</i>		Exotic	14/07/2009
<i>Sherardia arvensis</i>	Field Madder	Exotic	27/09/1987
<i>Asterolasia buxifolia</i>		Native	4/03/2008
<i>Asterolasia correifolia</i>		Native	30/09/1888
<i>Boronia anemonifolia subsp. variabilis</i>	Coast Boronia	Native	31/08/1894
<i>Boronia floribunda</i>	Pale-pink Boronia	Native	30/09/1889
<i>Boronia fraseri</i>		Native	31/08/1894
<i>Boronia ledifolia</i>	Sydney Boronia	Native	01/10/1894
<i>Boronia mollis</i>	Soft Boronia	Native	30/09/1897
<i>Boronia pinnata</i>		Native	27/02/2004
<i>Boronia polygalifolia</i>	Dwarf Boronia	Native	30/11/1884
<i>Boronia serrulata</i>	Rose Boronia	Native	4/03/2008
<i>Boronia thujona</i>		Native	31/12/1961
<i>Correa reflexa</i>	Native Fuschia	Native	5/09/2007

Scientific Name	Common Name	Native or Exotic	Last Sited
<i>Correa reflexa</i> var. <i>reflexa</i>	Native Fuschia	Native	4/03/2008
<i>Crowea exalata</i>		Native	31/05/1897
<i>Crowea saligna</i>		Native	1/03/2002
<i>Eriostemon australasius</i>		Native	17/09/2008
<i>Geijera salicifolia</i>	Brush Wilga	Native	21/05/1996
<i>Leionema dentatum</i>	Toothed Phebalium	Native	1/03/2002
<i>Leionema diosmeum</i>		Native	5/09/1945
<i>Melicope micrococca</i>	Hairy-leaved Doughwood	Native	28/05/1991
<i>Nematolepis squamea</i> subsp. <i>squamea</i>	Satinwood	Native	28/09/1889
<i>Phebalium squamulosum</i>	Scaly Phebalium	Native	7/08/2002
<i>Phebalium squamulosum</i> subsp. <i>argenteum</i>		Native	30/09/1921
<i>Phebalium squamulosum</i> subsp. <i>squamulosum</i>		Native	30/06/1894
<i>Philotheca hispidula</i>		Native	01/10/1891
<i>Philotheca myoporoides</i>	Long-leaf Wax Flower	Native	17/07/2008
<i>Philotheca myoporoides</i> subsp. <i>myoporoides</i>		Native	30/09/1897
<i>Philotheca reichenbachii</i>		Native	22/09/1888
<i>Philotheca salsolifolia</i>		Native	14/08/2003
<i>Philotheca salsolifolia</i> subsp. <i>salsolifolia</i>		Native	31/10/1956
<i>Philotheca scabra</i> subsp. <i>scabra</i>		Native	31/08/1893
<i>Zieria compacta</i>		Native	11/08/1994
<i>Zieria cytisoides</i>	Downy Zieria	Native	30/09/1894
<i>Zieria laevigata</i>	Smooth Zieria	Native	14/06/1990
<i>Zieria pilosa</i>	Pilose-leaved Zieria	Native	1/03/2002
<i>Zieria smithii</i>	Sandfly Zieria	Native	21/02/2003
<i>Populus alba</i>	White Poplar	Exotic	15/11/2006
<i>Populus nigra</i>	Lombardy Poplar	Exotic	25/10/2004
<i>Populus</i> spp.		Exotic	14/08/2003
<i>Salix alba</i>	White Willow	Exotic	20/03/2009
<i>Salix babylonica</i>	Weeping Willow	Exotic	20/03/2009
<i>Salix cinerea</i>	Pussy Willow	Exotic	26/03/1971
<i>Salix fragilis</i> var. <i>fragilis</i>	Crack Willow	Exotic	13/03/2008
<i>Salix humboldtiana</i>	Pencil Willow	Exotic	19/11/2004
<i>Salix</i> spp.		Exotic	22/12/2005
<i>Salvinia molesta</i>		Exotic	7/08/2002
<i>Choretrum candollei</i>	White Sour Bush	Native	21/08/1940
<i>Exocarpos cupressiformis</i>	Cherry Ballart	Native	17/09/2008
<i>Exocarpos strictus</i>	Dwarf Cherry	Native	30/11/1898
<i>Leptomeria acida</i>	Sour Currant Bush	Native	23/01/1898
<i>Omphacomeria acerba</i>		Native	31/08/1894
<i>Santalum obtusifolium</i>	Sandalwood	Native	30/12/1966
<i>Thesium australe</i>	Austral Toadflax	Native	19/10/1803
<i>Acer negundo</i>	Box Elder	Exotic	20/03/2009
<i>Alectryon subcinereus</i>	Wild Quince	Native	1/09/2005
<i>Cardiospermum grandiflorum</i>	Balloon Vine	Exotic	17/07/2008
<i>Cupaniopsis anacardioides</i>	Tuckeroo	Native	17/09/2008
<i>Dodonaea multijuga</i>		Native	31/10/1899
<i>Dodonaea pinnata</i>		Native	27/02/2004
<i>Dodonaea triquetra</i>	Large-leaf Hop-bush	Native	17/07/2008
<i>Dodonaea truncatiales</i>	Angular Hop-bush	Native	17/07/2008
<i>Dodonaea viscosa</i>	Sticky Hop-bush	Native	30/11/2000

Scientific Name	Common Name	Native or Exotic	Last Sited
<i>Dodonaea viscosa subsp. angustifolia</i>		Native	25/10/2004
<i>Dodonaea viscosa subsp. angustissima</i>	Narrow-leaf Hop-bush	Native	14/03/2003
<i>Dodonaea viscosa subsp. cuneata</i>	Wedge-leaf Hop-bush	Native	13/03/2008
<i>Dodonaea viscosa subsp. cuneata x spatulata</i>		Native	4/03/2008
<i>Dodonaea viscosa subsp. spatulata</i>	Broad-leaf Hopbush	Native	20/10/2004
<i>Guioa semiglauca</i>	Guioa	Native	4/03/2008
<i>Planchonella australis</i>	Black Apple	Native	25/12/1888
<i>Lygodium japonicum</i>		Exotic	4/08/2000
<i>Schizaea bifida</i>	Forked Comb Fern	Native	4/03/2008
<i>Schizaea dichotoma</i>	Branched Comb Fern	Native	1/03/2002
<i>Schizaea rupestris</i>		Native	31/01/1897
<i>Euphrasia collina subsp. speciosa</i>		Native	22/09/1888
<i>Glossostigma elatinoides</i>		Native	31/10/1998
<i>Gratiola pedunculata</i>		Native	19/01/2004
<i>Gratiola peruviana</i>	Australian Brooklime	Native	31/12/1907
<i>Kickxia elatine subsp. elatine</i>	Woolly Toadflax	Exotic	7/03/1993
<i>Kickxia spuria subsp. integrifolia</i>	Round-leaved Toadflax	Exotic	4/03/2008
<i>Limosella australis</i>	Australian Mudwort	Native	12/10/1998
<i>Linaria incamata</i>		Exotic	3/11/1966
<i>Misopates orontium</i>	Lesser Snapdragon	Exotic	4/06/1975
<i>Nemesia strumosa</i>		Exotic	13/10/1970
<i>Orobanche minor</i>	Broomrape	Exotic	14/10/1999
<i>Parentucellia latifolia</i>	Red Bartsia	Exotic	28/10/1990
<i>Verbascum spp.</i>		Native	28/08/2004
<i>Verbascum virgatum</i>	Twiggy Mullein, Green Mullein	Exotic	20/10/2004
<i>Selago corymbosa</i>		Exotic	21/10/1993
<i>Selaginella uliginosa</i>	Swamp Selaginella	Native	31/03/1897
<i>Ailanthus altissima</i>	Tree of Heaven	Exotic	20/03/2009
<i>Smilax glyciphylla</i>	Sweet Sarsparilla	Native	17/09/2008
<i>Cestrum parqui</i>	Green Cestrum	Exotic	20/03/2009
<i>Cestrum spp.</i>		Exotic	6/06/2003
<i>Cyphanthera scabrella</i>		Native	31/08/1897
<i>Cyphomandra betacea</i>	Tamarillo	Exotic	10/10/1941
<i>Datura ferox</i>	Fierce Thornapple	Exotic	25/05/1968
<i>Datura spp.</i>		Native	14/01/2005
<i>Datura stramonium</i>	Common Thornapple	Exotic	1/06/2009
<i>Duboisia myoporoides</i>	Corkwood	Native	26/11/2007
<i>Lycium barbarum</i>	Chinese Boxthorn	Exotic	19/03/1966
<i>Lycium ferocissimum</i>	African Boxthorn	Exotic	1/06/2009
<i>Lycopersicon esculentum</i>	Tomato	Exotic	27/04/2004
<i>Nicotiana suaveolens</i>	Native Tobacco	Native	24/09/1898
<i>Petunia spp.</i>		Native	25/10/2004
<i>Physalis ixocarpa</i>	Ground Cherry	Exotic	18/05/1971
<i>Solanum americanum</i>	Glossy Nightshade	Native	16/07/2009
<i>Solanum aviculare</i>	Kangaroo Apple	Native	1/08/2003
<i>Solanum campanulatum</i>		Native	30/09/1897
<i>Solanum chenopodioides</i>	Whitetip Nightshade	Exotic	20/03/2009
<i>Solanum cinereum</i>	Narrawa Burr	Native	19/01/2004
<i>Solanum linnaeanum</i>	Apple of Sodom	Exotic	20/03/2009
<i>Solanum mauritanium</i>	Wild Tobacco Bush	Exotic	6/06/2008

Scientific Name	Common Name	Native or Exotic	Last Sited
<i>Solanum nigrum</i>	Black-berry Nightshade	Exotic	1/06/2009
<i>Solanum opacum</i>	Green-berry Nightshade	Native	6/06/2008
<i>Solanum physalifolium</i> var. <i>nitidibaccatum</i>		Exotic	25/10/2004
<i>Solanum prinophyllum</i>	Forest Nightshade	Native	16/07/2009
<i>Solanum pseudocapsicum</i>	Madeira Winter Cherry	Exotic	20/03/2009
<i>Solanum pungetium</i>	Eastern Nightshade	Native	30/11/1899
<i>Solanum radicans</i>		Exotic	26/04/1964
<i>Solanum sisymbriifolium</i>		Exotic	24/01/2005
<i>Solanum</i> spp.		Native	20/03/2009
<i>Solanum stelligerum</i>	Devil's Needles	Native	12/03/1976
<i>Solanum vescum</i>		Native	18/10/1888
<i>Sparganium subglobosum</i>		Native	31/07/1888
<i>Stackhousia muricata</i>	Stackhousia	Native	13/03/2008
<i>Stackhousia viminea</i>	Slender Stackhousia	Native	23/07/2009
<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	Native	2/07/1998
<i>Brachychiton populneus</i>	Kurrajong	Native	14/08/2003
<i>Brachychiton populneus</i> subsp. <i>populneus</i>		Native	1/06/2009
<i>Lasiopetalum ferrugineum</i>		Native	30/09/1895
<i>Lasiopetalum ferrugineum</i> var. <i>ferrugineum</i>		Native	5/09/2007
<i>Lasiopetalum joyceae</i>		Native	27/02/2004
<i>Lasiopetalum macrophyllum</i>		Native	1/03/2002
<i>Lasiopetalum parviflorum</i>		Native	30/09/1803
<i>Lasiopetalum rufum</i>		Native	30/09/1895
<i>Rulingia dasyphylla</i>	Kerrawang	Native	12/09/1893
<i>Rulingia pannosa</i>		Native	7/11/1953
<i>Seringia arborescens</i>		Native	26/07/1982
<i>Stylidium graminifolium</i>	Grass Triggerplant	Native	17/09/2008
<i>Stylidium laricifolium</i>	Tree Triggerplant	Native	4/03/2008
<i>Stylidium productum</i>		Native	27/02/2004
<i>Stylidium</i> spp.		Native	17/07/2008
<i>Symplocos stawellii</i>	White Hazelwood	Native	14/06/1987
<i>Christella dentata</i>		Native	1/03/2002
<i>Pimelea curviflora</i> var. <i>subglabrata</i>		Native	20/02/2002
<i>Pimelea glauca</i>		Native	4/03/2008
<i>Pimelea linifolia</i>	Slender Rice Flower	Native	24/04/2006
<i>Pimelea linifolia</i> subsp. <i>linifolia</i>		Native	31/05/1898
<i>Pimelea linifolia</i> subsp. <i>linoides</i>		Native	28/11/1995
<i>Pimelea spicata</i>	Spiked Rice-flower	Native	31/10/1886
<i>Tropaeolum majus</i>	Nasturtium	Exotic	5/09/2007
<i>Typha domingensis</i>	Narrow-leaved Cumbungi	Native	14/04/2004
<i>Typha orientalis</i>	Broad-leaved Cumbungi	Native	14/03/2008
<i>Typha</i> spp.		Native	15/11/2006
<i>Celtis australis</i>		Exotic	29/04/1971
<i>Celtis occidentalis</i>	Hackberry	Exotic	13/03/2008
<i>Trema tomentosa</i> var. <i>viridis</i>	Native Peach	Native	14/03/2008
<i>Parietaria debilis</i>	Native Pellitory	Native	6/10/1969
<i>Parietaria judaica</i>	Pellitory	Exotic	5/09/2007
<i>Urtica incisa</i>	Stinging Nettle	Native	22/10/2004
<i>Urtica urens</i>	Small Nettle	Exotic	25/10/2004
<i>Schelhammera undulata</i>		Native	4/11/1961

Scientific Name	Common Name	Native or Exotic	Last Sited
<i>Glandularia aristigera</i>	Glandularia	Exotic	14/03/2008
<i>Lantana camara</i>	Lantana	Exotic	1/06/2009
<i>Lantana camara</i> var. <i>camara</i>		Exotic	15/09/1966
<i>Lantana montevidensis</i>	Creeping Lantana	Exotic	20/03/2009
<i>Lantana</i> spp.		Exotic	25/10/2004
<i>Verbena bonariensis</i>	Purpletop	Exotic	21/10/1893
<i>Verbena caracasana</i>	Shore Verbain	Exotic	16/03/1995
<i>Verbena gaudichaudii</i>	Verbena	Native	03/03/1894
<i>Verbena incompta</i>		Exotic	16/03/1995
<i>Verbena litoralis</i>		Exotic	13/03/2008
<i>Verbena officinalis</i>	Common Verbena	Exotic	4/03/2008
<i>Verbena quadrangularis</i>		Exotic	1/06/2009
<i>Verbena rigida</i> var. <i>rigida</i>	Veined Verbena	Exotic	1/06/2009
<i>Verbena</i> spp.		Native	17/07/2008
<i>Hybanthus monopetalus</i>	Slender Violet-bush	Native	19/11/1966
<i>Hybanthus vemonii</i>		Native	1/03/2002
<i>Hybanthus vemonii</i> subsp. <i>vemonii</i>		Native	26/10/2003
<i>Melicytus dentatus</i>	Tree Violet	Native	25/10/2004
<i>Viola banksii</i>		Native	14/10/1899
<i>Viola hederacea</i>	Ivy-leaved Violet	Native	13/01/2004
<i>Viola odorata</i>	Sweet Violet	Exotic	26/06/1985
<i>Viola sieberiana</i>		Native	07/08/1898
<i>Notothixos subaureus</i>	Golden Mistletoe	Native	30/04/1925
<i>Cayratia clematidea</i>	Slender Grape	Native	17/09/2008
<i>Cissus antarctica</i>	Water Vine	Native	31/07/1802
<i>Cissus hypoglauca</i>	Giant Water Vine	Native	31/01/1805
<i>Clematicissus opaca</i>	Pepper Vine	Native	20/01/1992
<i>Tasmannia insipida</i>	Brush Pepperwood	Native	1/03/2002
<i>Xanthorrhoea arborea</i>		Native	20/10/2004
<i>Xanthorrhoea concava</i>		Native	6/11/1914
<i>Xanthorrhoea fulva</i>		Native	27/07/1967
<i>Xanthorrhoea media</i>		Native	17/09/2008
<i>Xanthorrhoea minor</i> subsp. <i>minor</i>		Native	30/11/1897
<i>Xanthorrhoea resinosa</i>		Native	1/08/2003
<i>Xanthorrhoea</i> spp.		Native	4/05/2007
<i>Xyris bracteata</i>		Native	27/02/2004
<i>Xyris gracilis</i>		Native	24/02/1970
<i>Xyris juncea</i>	Dwarf Yellow-eye	Native	31/01/1993
<i>Macrozamia spiralis</i>		Native	5/09/2007
<i>Hedychium gardnerianum</i>	Ginger Lily	Exotic	17/09/2008
<i>Tribulus micrococcus</i>	Yellow Vine, Spineless Caltrop	Native	4/03/2008
<i>Tribulus terrestris</i>	Cat-head	Exotic	5/04/1969

Table F2 List of threatened flora species occurring in Liverpool and Camden LGAs.

Species Name	Common Name	TSC Act 1995 Classification	Likelihood of Occurrence
<i>Marsdenia viridiflora</i> subsp. <i>viridiflora</i>	<i>Marsdenia viridiflora</i> R. Br. subsp. <i>viridiflora</i> population in the Bankstown, Blacktown, Camden, Campbelltown,	Endangered Population	Present

Species Name	Common Name	TSC Act 1995 Classification	Likelihood of Occurrence
	Fairfield, Holroyd, Liverpool and Penrith local government areas		
<i>Cynanchum elegans</i>	White-flowered Wax Plant	Endangered	Present
<i>Allocasuarina glareicola</i>		Endangered	Possible
<i>Leucopogon exolasius</i>	Woronora Beard-heath	Vulnerable	Unlikely
<i>Leucopogon fletcheri</i> subsp. <i>fletcheri</i>		Endangered	Unlikely
<i>Dillwynia tenuifolia</i>	Dillwynia tenuifolia, Kemps Creek	Endangered Population	Present
<i>Pultenaea parviflora</i>		Endangered	Present
<i>Pultenaea pedunculata</i>	Matted Bush-pea	Endangered	Present
<i>Acacia pubescens</i>	Downy Wattle	Vulnerable	Present
<i>Gyrostemon thesioides</i>		Endangered	Absent
<i>Callistemon linearifolius</i>	Netted Bottle Brush	Vulnerable	Absent
<i>Eucalyptus benthamii</i>	Camden White Gum	Vulnerable	Present
<i>Eucalyptus nicholii</i>	Narrow-leaved Black Peppermint	Vulnerable	Absent
<i>Eucalyptus scoparia</i>	Wallangarra White Gum	Endangered	Present
<i>Melaleuca deanei</i>	Deane's Paperbark	Vulnerable	Possible
<i>Syzygium paniculatum</i>	Magenta Lilly Pilly	Endangered	Unlikely
<i>Diuris aequalis</i>	Buttercup Doubletail	Endangered	Unlikely
<i>Pterostylis nigricans</i>	Dark Greenhood	Vulnerable	Unlikely
<i>Pterostylis saxicola</i>	Sydney Plains Greenhood	Endangered	Present
<i>Grevillea juniperina</i> subsp. <i>juniperina</i>	Juniper-leaved Grevillea	Vulnerable	Highly Likely
<i>Grevillea parviflora</i> subsp. <i>parviflora</i>	Small-flower Grevillea	Vulnerable	Likely
<i>Pomaderris brunnea</i>	Brown Pomaderris	Vulnerable	Possible
<i>Persoonia hirsuta</i>	Hairy Geebung	Endangered	Possible
<i>Persoonia nutans</i>	Nodding Geebung	Endangered	Likely
<i>Pimelea spicata</i>	Spiked Rice-flower	Endangered	Possible

Appendix G

Threatened Flora Likelihood of Occurrence Table

The table below shows species listed under either the *TSC Act* or the *EPBC Act*.

Species Name	Common Name	Habitat	EPBC Act 2000	TSC Act 1995 Classification	Likelihood of Occurrence
<i>Marsdenia viridiflora</i> subsp. <i>viridiflora</i>	Marsdenia viridiflora R. Br. subsp. viridiflora population in the Bankstown, Blacktown, Camden, Campbelltown, Fairfield, Holroyd, Liverpool and Penrith local government areas	Grows in vine thickets and open shale woodland.	-	Endangered Population	Present
<i>Cynanchum elegans</i>	White-flowered Wax Plant	Restricted to eastern NSW where it is distributed from Brunswick Heads on the north coast to Gerroa in the Illawarra region. Usually occurs on the edge of dry rainforest vegetation. Other associated vegetation types include littoral rainforest; Coastal Tea-tree <i>Leptospermum laevigatum</i> – Coastal Banksia <i>Banksia integrifolia</i> subsp. <i>integrifolia</i> coastal scrub; Forest Red Gum <i>Eucalyptus tereticornis</i> aligned open forest and woodland; Spotted Gum <i>Eucalyptus maculata</i> aligned open forest and woodland; and Bracelet Honeymyrtle <i>Melaleuca armillaris</i> scrub to open scrub.	Endangered	Endangered	Present
<i>Allocasuarina glareicola</i>		It grows in clay soils derived from alluvial gravels in woodland. Responds to fire by coppicing densely from a lignotuber.	Endangered	Endangered	Possible
<i>Leucopogon exolasius</i>	Woronora Beard-heath	Found along the upper Georges River area and in Heathcote National Park. The plant occurs in woodland on sandstone.	Vulnerable	Vulnerable	Unlikely
<i>Leucopogon fletcheri</i> subsp. <i>fletcheri</i>		Restricted to north-western Sydney between St Albans in the north and Annangrove in the south, within the local government areas of Hawkesbury, Baulkham Hills and Blue Mountains. Occurs in dry eucalypt woodland or in shrubland on clayey lateritic soils, generally on flat to gently sloping terrain along ridges and spurs.	-	Endangered	Unlikely

<i>Dillwynia tenuifolia</i>	Dillwynia tenuifolia, Kems Creek	The core distribution is the Cumberland Plain from Windsor to Penrith east to Deans Park. Other populations in western Sydney are recorded from Voyager Point and Kems Creek in the Liverpool LGA, Castlereagh Ironbark Forest to Castlereagh Scribbly Gum Woodland.	-	Endangered Population	Present
<i>Pultenaea parviflora</i>		Endemic to the Cumberland Plain. Core distribution is from Windsor to Penrith and east to Dean Park. Outlier populations are recorded from Kems Creek and Wilberforce.	Vulnerable	Endangered	Present
<i>Pultenaea pedunculata</i>	Matted Bush-pea	In NSW, it is represented by three disjunct populations, in the Cumberland Plains in Sydney, the coast between Tathra and Bermagui and the Windellama area. Occurs in a range of habitats. NSW populations are generally among woodland vegetation but plants have also been found on road batters and coastal cliffs. It is largely confined to loamy soils in dry gullies in populations in the Windellama area.	-	Endangered	Present
<i>Acacia pubescens</i>	Downy Wattle	Scattered throughout the Cumberland plain where it grows on clay and clay-shale soils.	Vulnerable	Vulnerable	Present
<i>Gyrostemon thesioides</i>		Within NSW, has only ever been recorded at three sites, to the west of Sydney, near the Colo, Georges and Nepean Rivers. Grows on hillsides and riverbanks and may be restricted to fine sandy soils.	-	Endangered	Absent
<i>Callistemon linearifolius</i>	Netted Bottle Brush	Recorded from the Georges River to Hawkesbury River in the Sydney area, and north to the Nelson Bay area of NSW. For the Sydney area, recent records are limited to the Hornsby Plateau area near the Hawkesbury River. Grows in dry sclerophyll forest on the coast and adjacent ranges.	-	Vulnerable	Absent
<i>Eucalyptus benthamii</i>	Camden White Gum	Occurs on the alluvial flats of the Nepean River and its tributaries. Requires a combination of deep alluvial sands and a flooding regime that permits seedling establishment.	Vulnerable	Vulnerable	Present
<i>Eucalyptus nicholii</i>	Narrow-leaved Black Peppermint	Confined to the New England Tablelands of NSW, where it occurs from Nundle to north of Tenterfield, largely on private property. Grows in dry grassy woodland, on shallow and infertile soils, mainly on granite.	Vulnerable	Vulnerable	Absent

<i>Eucalyptus scoparia</i>	Wallangarra White Gum	In NSW it is known from only three locations near Tenterfield, including Bald Rock National Park. Found in open eucalypt forest and woodland on well-drained granite hilltops, slopes and rocky outcrops.	Vulnerable	Endangered	Present
<i>Melaleuca deanei</i>	Deane's Paperbark	Occurs in two distinct areas, in the Ku-ring-gai/Berowra and Holsworthy/Wedderburn areas respectively. The species grows in heath on sandstone.	Vulnerable	Vulnerable	Possible
<i>Syzygium paniculatum</i>	Magenta Lilly Pilly	The Magenta Lilly Pilly is found only in NSW, in a narrow, linear coastal strip from Bulahdelah to Conjola State Forest. On the south coast the Magenta Lilly Pilly occurs on grey soils over sandstone, restricted mainly to remnant stands of littoral (coastal) rainforest. On the central coast Magenta Lilly Pilly occurs on gravels, sands, silts and clays in riverside gallery rainforests and remnant littoral rainforest communities.	Vulnerable	Endangered	Unlikely
<i>Diuris aequalis</i>	Buttercup Doubletail	The Type location (from the 19th Century) is Liverpool, west of Sydney. Recorded in forest, low open woodland with grassy understorey and secondary grassland on the higher parts of the Southern and Central Tablelands (especially on the Great Dividing Range).	Vulnerable	Endangered	Unlikely
<i>Pterostylis nigricans</i>	Dark Greenhood	Occurs in north-east NSW north from Evans Head, and in Queensland. Coastal heathland with Heath Banksia (<i>Banksia ericifolia</i>), and lower-growing heath with lichen-encrusted and relatively undisturbed soil surfaces, on sandy soils.	-	Vulnerable	Unlikely
<i>Pterostylis saxicola</i>	Sydney Plains Greenhood	Most commonly found growing in small pockets of shallow soil in depressions on sandstone rock shelves above cliff lines. The vegetation communities above the shelves where <i>Pterostylis saxicola</i> occurs are sclerophyll forest or woodland on shale/sandstone transition soils or shade soils.	Endangered	Endangered	Present
<i>Grevillea juniperina</i> subsp. <i>juniperina</i>	Juniper-leaved Grevillea	Grows on reddish clay to sandy soils derived from Wianamatta Shale and Tertiary alluvium (often with shale influence), typically containing lateritic gravels.	-	Vulnerable	Highly Likely
<i>Grevillea parviflora</i> subsp. <i>parviflora</i>	Small-flower Grevillea	Grows in sandy or light clay soils usually over thin shales. Occurs in a range of vegetation types from heath and shrubby woodland to open	Vulnerable	Vulnerable	Likely

		forest. Found over a range of altitudes from flat, low-lying areas to upper slopes and ridge crests often in open, slightly disturbed sites such as along tracks.			
<i>Pomaderris brunnea</i>	Brown Pomaderris	Found in a very limited area around the Colo, Nepean and Hawkesbury Rivers. It grows in moist woodland or forest on clay and alluvial soils of flood plains and creek lines.	Vulnerable	Vulnerable	Possible
<i>Persoonia hirsuta</i>	Hairy Geebung	Has a scattered distribution around Sydney. Is found in sandy soils in dry sclerophyll open forest, woodland and heath on sandstone.	Endangered	Endangered	Possible
<i>Persoonia nutans</i>	Nodding Geebung	Restricted to the Cumberland Plain in western Sydney, between Richmond in the north and Macquarie Fields in the south. Is found in sandy soils in dry sclerophyll open forest, woodland and heath on sandstone.	Endangered	Endangered	Likely
<i>Pimelea spicata</i>	Spiked Rice-flower	Occurs on undulating topography on substrates derived from Wianamatta Shale in areas of Cumberland Plain Woodland Vegetation Community.	Endangered	Endangered	Possible

Appendix H

Field Survey Flora List

Species	Family	Common Name	Growth form	Endemic or Exotic	Weed or Non-weed
<i>Acacia decurrens</i>	Fabaceae - Mimosoideae	Black Wattle, Green Wattle	Tree	Endemic	Non-weed
<i>Allocasuarina littoralis</i>	Casuarinaceae	Black Sheoak	Tree	Endemic	Non-weed
<i>Araujia sericifera</i>	Asclepiadaceae	Moth vine	Vine	Exotic	Weed
<i>Aristida vagans</i>	Poaceae	Threeawn Speargrass	Graminoid	Endemic	Non-weed
<i>Asparagus asparagoides</i>	Asparagaceae	Bridal Creeper	Vine	Exotic	Weed
<i>Aster subulatus</i>	Asteraceae	Wild Aster or Bushy Starwort	Forb	Exotic	Weed
<i>Astroloma humifusum</i>	Ericaceae - Styphelioideae	Native Cranberry	Shrub	Endemic	Non-weed
<i>Bidens pilosa</i>	Asteraceae	Farmer's Friend	Forb	Exotic	Weed
<i>Bromus catharticus</i>	Poaceae	Prairie Grass	Graminoid	Exotic	Weed
<i>Brunoniella spp.</i>	Acanthaceae	Brunoniella	Forb	Endemic	Non-weed
<i>Bursaria spinosa</i>	Pittosporaceae	Blackthorn , Sweet Bursaria or Christmas bush	Tree	Endemic	Non-weed
<i>Casuarina glauca</i>	Casuarinaceae	Swamp Oak	Tree	Endemic	Non-weed
<i>Cheilanthes sieberi</i>	Pteridaceae-Adiantaceae	Poison Rock Fern or Mulga Fern	Forb	Endemic	Non-weed
<i>Conyza spp.</i>	Asteraceae	Junco, Horsweed or Fleabane	Forb	Exotic	Weed
<i>Conyza sumatrensis</i>	Asteraceae	Tall fleabane, broad-leaved fleabane or White Horsetweed	Forb	Exotic	Weed
<i>Corymbia maculata</i>	Myrtaceae	Spotted gum	Tree	Endemic	Non-weed
<i>Cyclospermum leptophyllum</i>	Apiaceae	Slender Celery or Wild Carrot	Forb	Exotic	Weed
<i>Dianella longifolia</i>	Phormiaceae	smooth flax lily	Forb	Endemic	Non-weed
<i>Dichelachne micrantha</i>	Poaceae	Short-hair Plumegrass	Graminoid	Endemic	Non-weed
<i>Dichondra repens</i>	Convolvulaceae	Kidney Weed	Forb	Endemic	Weed
<i>Dillwynia sieberi</i>	Fabaceae	Prickly Parrot Pea or Juniper Pea Bush	Shrub	Endemic	Non-weed
<i>Dodonaea viscosa subsp. cuneata</i>	Sapindaceae	Sticky Hopbush	Shrub	Endemic	Non-weed
<i>Einadia hastata</i>	Chenopodiaceae	Berry Saltbush	Shrub	Endemic	Non-weed
<i>Entolasia marginata</i>	Poaceae	Bordered Panic	Graminoid	Endemic	Non-weed
<i>Entolasia stricta</i>	Poaceae	Wiry Panic	Graminoid	Endemic	Non-weed
<i>Epacrid spp.</i>	Epacridaceae	Australian Heath	Shrub	Endemic	Non-weed
<i>Epaltis australis</i>	Asteraceae	Spreading nut-heads	Forb	Endemic	Non-weed
<i>Eragrostis curvula</i>	Poaceae	African Lovegrass	Graminoid	Exotic	Weed
<i>Eucalyptus acmenoides</i>	Myrtaceae	White mahogany	Tree	Endemic	Non-weed
<i>Eucalyptus crebra</i>	Myrtaceae	Narrow-leaved Ironbark	Tree	Endemic	Non-weed
<i>Eucalyptus eugenioides</i>	Myrtaceae	Thin-leaved Stringy bark	Tree	Endemic	Non-weed
<i>Eucalyptus fibrosa</i>	Myrtaceae	Red Ironbark or Broad-leaved Ironbark	Tree	Endemic	Non-weed
<i>Eucalyptus moluccana</i>	Myrtaceae	Grey Box or Gum-topped box	Tree	Endemic	Non-weed

Species	Family	Common Name	Growth form	Endemic or Exotic	Weed or Non-weed
<i>Eucalyptus platyphylla</i>	Myrtaceae	Cabbage gum or Poplar Gum	Juvenile Tree	Endemic	Non-weed
<i>Eucalyptus spp.</i>	Myrtaceae	Eucalypt sapling with angular stem	Juvenile Tree	Endemic	Non-weed
<i>Eucalyptus spp.</i>	Myrtaceae	Euc seedling - hairy fruit, pleasant smelling	Juvenile Tree	Endemic	Non-weed
<i>Eucalyptus tereticornis</i>	Myrtaceae	Forest Red Gum	Tree	Endemic	Non-weed
<i>Eucalyptus tereticornis</i>	Myrtaceae	Forest Red Gum	Tree	Endemic	Non-weed
<i>Geranium spp.</i>	Geraniaceae	garden geranium	Forb	Exotic	Weed
<i>Glycine clandestina</i>	Fabaceae	Twining Glycine or Love Creeper	Vine	Endemic	Non-weed
<i>Gnaphalium americanum</i>	Asteraceae	Cudweed	Forb	Exotic	Weed
<i>Hardenbergia violacea</i>	Fabaceae	Native sarsaparilla or Purple coral pea	Shrub	Endemic	Non-weed
<i>Juncus spp.</i>	Juncaceae	Rush	Shrub	Exotic	Weed
<i>Laxmannia spp.</i>	Anthericaceae		Forb	Endemic	Non-weed
<i>Lepidium africanum</i>	Brassicaceae	Peppergrass	Forb	Exotic	Weed
<i>Lepidosperma gunnii</i>	Cyperaceae	Little or Narrow Sword-sedge	Graminoid	Endemic	Non-weed
<i>Leucopogon juniperinum</i>	Ericaceae - Styphelioideae	Prickly Beard-heath	Shrub	Endemic	Non-weed
<i>Ligustrum sinense</i>	Oleaceae	Small-leaved Privet	Shrub	Exotic	Weed
<i>Lissanthe strigosa</i>	Ericaceae	Peach heath	Shrub	Endemic	Non-weed
<i>Lolium perenne</i>	Poaceae	Perennial Ryegrass	Graminoid	Exotic	Weed
<i>Lomandra filiformis subsp. coriacea</i>	Lomandraceae	Wattle Mat-rush	Forb	Endemic	Non-weed
<i>Lomandra filiformis subsp. filiformis</i>	Lomandraceae - Xanthorrhoeaceae	Wattle Mat-rush	Forb	Endemic	Non-weed
<i>Lomandra longifolia</i>	Lomandraceae - Xanthorrhoeaceae	Spiny-headed Mat-rush or Honey Reed	Forb	Endemic	Non-weed
<i>Lomandra longifolia</i>	Lomandraceae - Xanthorrhoeaceae	Spiny-head Mat Rush or Basket Grass	Forb	Endemic	Non-weed
<i>Lomandra multiflora</i>	Lomandraceae	Matrush	Forb	Endemic	Non-weed
<i>Luzula spp.</i>	Juncaceae	Wood-rush	Forb	Endemic	Non-weed
<i>Lycium ferocissimum</i>	Solanaceae	African Boxthorn	Shrub	Exotic	Weed
<i>Melaleuca decora</i>	Myrtaceae	White Feather Honeymyrtle	Tree	Endemic	Non-weed
<i>Microlaena stipoides</i>	Poaceae	Weeping grass	Graminoid	Endemic	Non-weed
<i>Myrsiphyllum asparagoides</i>	Asparagaceae	Common Bridal Creeper	Vine	Exotic	Weed
<i>Olea europaea</i>	Oleaceae	African Olive	Shrub	Exotic	Weed
<i>Onopordum acanthium</i>	Asteraceae	Scotch Thistle	Forb	Exotic	Weed
<i>Opercularia diphylla</i>	Rubiaceae	Thin Leaf Stink Weed	Forb	Endemic	Weed
<i>Opuntia stricta</i>	Cactaceae	Prickly Pear	Shrub	Exotic	Weed
<i>Oxalis perennans</i>	Oxalidaceae	Grassland Wood-sorrel	Graminoid	Endemic	Non-weed
<i>Ozothamnus</i>	Asteraceae	Sago flower or pill flower	Shrub	Endemic	Non-weed

Species	Family	Common Name	Growth form	Endemic or Exotic	Weed or Non-weed
<i>diosmifolius</i>					
<i>Panicum simile</i>	Poaceae	Two-colour Panic	Forb	Endemic	Non-weed
<i>Parsonsia spp.</i>	Apocynaceae	woody vines/climbers	Vine	Endemic	Non-weed
<i>Paspalum dilatatum</i>	Poaceae	Dallis Grass	Graminoid	Exotic	Weed
<i>Pinus spp.</i>	Pinaceae	Garden Pine - exotic	Juvenile Tree	Exotic	Weed
<i>Plantago debilis</i>	Plantaginaceae	Shade Plantain or Weak Plantain	Forb	Endemic	Weed
<i>Plectranthus parviflorus</i>	Lamiaceae	Cockspur Flower	Shrub	Endemic	Weed
<i>Pratia purpurascens</i>	Lobeliaceae	White Root	Forb	Endemic	Non-weed
<i>Pterostylis concinna</i>	Orchidaceae	Trim Greenhood Orchid	Forb	Endemic	Non-weed
<i>Senecio madagascariensis</i>	Asteraceae	Fireweed	Forb	Exotic	Weed
<i>Senecio vulgaris</i>	Asteraceae	Common Groundsel	Forb	Exotic	Weed
<i>Setaria parviflora</i>	Poaceae	Slender Pigeon Grass	Graminoid	Exotic	Weed
<i>Sida rhombifolia</i>	Malvaceae	Paddy's Lucerne or Arrow-leaf Sida	Shrub	Exotic	Weed
<i>Solanum nigrum sens.lat.</i>	Solanaceae	Blackberry nightshade	Forb	Exotic	Weed
<i>Solanum prinophyllum</i>	Solanaceae	Forest nightshade	Forb	Endemic	Non-weed
<i>Solanum pseudocapsicum</i>	Solanaceae	Madeira Winter Cherry or Jerusalem Cherry	Shrub	Exotic	Weed
<i>Sonchus spp.</i>	Asteraceae	Milk Thistle	Forb	Exotic	Weed
<i>Stellaria media</i>	Caryophyllaceae	Common Chickweed	Forb	Exotic	Weed
<i>Taraxacum officinale</i>	Asteraceae	Dandelion	Forb	Exotic	Weed
<i>Themeda triandra</i>	Poaceae	Kangaroo Grass	Graminoid	Endemic	Non-weed
<i>Tredecantia albiflora</i>	Commelinaceae	Wandering Jew	Forb	Exotic	Weed
Unidentifiable grass	Poaceae	Grass D - round stem	Graminoid	Exotic	Weed
Unidentifiable grass	Poaceae	tiny grass	Graminoid	Exotic	Weed
Unidentifiable grass	Poaceae	Grass F	Graminoid	Exotic	Weed
Unidentifiable grass	Poaceae	blue grass	Graminoid	Exotic	Weed
Unidentifiable plant		(bulby species?)		Exotic	Weed
Unidentifiable plant		opposite-leaved, white hairs & flowers herb	Forb	Exotic	Weed
Unidentifiable plant		Square-stemmed opposite leaved creeper	Graminoid	Exotic	Weed
<i>Verbena bonariensis</i>	Verbenaceae	Purpletop	Forb	Exotic	Weed
<i>Veronica plebeia</i>	Scrophulariaceae	Trailing Speedwell, Creeping Speedwell	Forb	Endemic	Non-weed
<i>Wahlenbergia gracilis</i>	Campanulaceae	Australian Bluebell	Forb	Endemic	Non-weed

Appendix I

Reference Site Assessments

To compare and contrast the quality of existing habitat and provide meaningful management and conservation recommendation measures, a field survey was undertaken to identify and characterise the vegetation communities on site. The selected benchmark sites are shown in **Figure I1** and the results of the survey are shown in **Tables I1 – I7**.

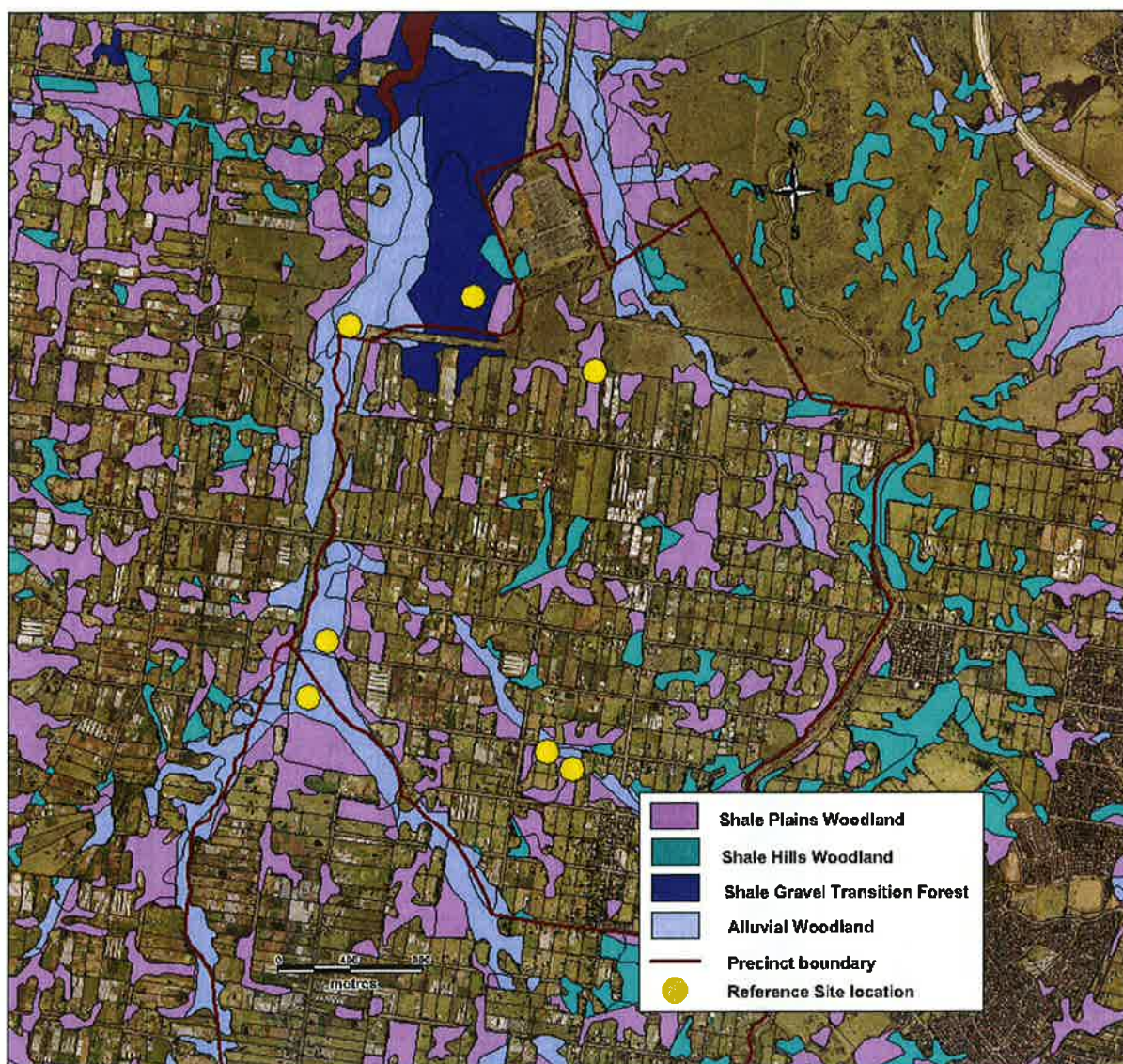


Figure I1 Location of reference sites.

Table Key**Layers**

T1 = Canopy trees

T2 = Sub canopy understory trees

S1 = Shrub strata

S2 = Shrub strata

G = Ground

Dominance

D = Dominant

C = Co-dominant

A = Associated

S = Suppressed

Cover = Density of strata

Table I1 Shale Plains Woodland reference site assessment results.

Layer	Species	Family	Common Name	Growth Form	Endemic or Exotic	Weed or Non-weed	Dominance	Median Height	Cover
Site 1 - Shale Plains Woodland									
T1	<i>Eucalyptus moluccana</i>	Myrtaceae	Grey Box or Gum-topped box	Tree	Endemic	Non-weed	D	15m	Moderate
T1	<i>Eucalyptus tereticornis</i>	Myrtaceae	Forest Red Gum	Tree	Endemic	Non-weed	C	15m	Moderate
T2	<i>Melaleuca decora</i>	Myrtaceae	White Feather Honeymyrtle	Tree	Endemic	Non-weed	D	9m	Sparse
S1	<i>Acacia decurrens</i>	Fabaceae - Mimosoideae	Black Wattle, Green Wattle	Tree	Endemic	Non-weed	D	2-4m	Sparse
S1	Juvenile <i>Eucalyptus</i> spp.	Myrtaceae		Juvenile Tree	Endemic	Non-weed	C	2-4m	Sparse
S2	<i>Acacia decurrens</i>	Fabaceae - Mimosoideae	Black Wattle, Green Wattle	Tree	Endemic	Non-weed	C	2-4m	Sparse
S2	Juvenile <i>Eucalyptus</i> spp.	Myrtaceae		Juvenile Tree	Endemic	Non-weed	D	0.5-1.5m	Sparse
S2	<i>Dodonaea viscosa</i> subsp. <i>cuneata</i>	Sapindaceae	Sticky Hopbush	Shrub	Endemic	Non-weed	S	0.5-1.5m	Sparse
S2	<i>Pinus</i> spp.	Pinaceae	Garden Pine - exotic	Juvenile Tree	Exotic	Weed	S	0-1m	Sparse
S2	<i>Olea europaea</i>	Oleaceae	African Olive	Shrub	Exotic	Weed	S	0-1m	Sparse
G	<i>Senecio madagascariensis</i>	Asteraceae	Fireweed	Forb	Exotic	Weed	S	0-1m	Sparse
G	<i>Plantago debilis</i>	Plantaginaceae	Shade Plantain or Weak Plantain	Forb	Endemic	Weed	-	0-1m	Dense
G	<i>Dichondra repens</i>	Convolvulaceae	Kidney Weed	Forb	Endemic	Weed	-	0-1m	Dense
G	<i>Pratia purpurascens</i>	Lobeliaceae	White Root	Forb	Endemic	Weed	-	0-1m	Dense
G	<i>Bidens pilosa</i>	Asteraceae	Farmer's Friend	Forb	Exotic	Weed	-	0-1m	Dense
G	<i>Sonchus</i> spp	Asteraceae	Milk Thistle	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Taraxacum officinale</i>	Asteraceae	Dandelion	Forb	Exotic	Weed	-	0-1m	Dense

Layer	Species	Family	Common Name	Growth Form	Endemic or Exotic	Weed or Non-weed	Dominance	Median Height	Cover
G	Unidentifiable Weed			Forb	Exotic	Weed	-	0-1m	Dense
G	<i>Wahlenbergia gracilis</i>	Campanulaceae	Australian Bluebell	Forb	Endemic	Non-weed	-	0-1m	Dense
G	<i>Onopordum acanthium</i>	Asteraceae	Scotch Thistle	Forb	Exotic	Weed	-	0-1m	Dense
G	<i>Conyza spp.</i>	Asteraceae	Junco, Horsweed or Fleabane	Forb	Exotic	Weed	-	0-1m	Dense
G	<i>Sida rhombifolia</i>	Malvaceae	Paddy's Lucerne or Arrow-leaf Sida	Shrub	Exotic	Weed	-	0-1m	Sparse
G	<i>Glycine clandestina</i>	Fabaceae	Twining Glycine or Love Creeper	Vine	Endemic	Non-weed	-	0-1m	Dense
G	<i>Brunoniella spp.</i>	Acanthaceae	Brunoniella	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Setaria parviflora</i>	Poaceae	Slender Pigeon Grass	Graminoid	Exotic	Weed	-	0-1m	Dense
G	<i>Dichelachne micrantha</i>	Poaceae	Short-hair Plumegrass	Graminoid	Endemic	Non-weed	-	0-1m	Dense
G	<i>Eragrostis curvula</i>	Poaceae	African Lovegrass	Graminoid	Exotic	Weed	-	0-1m	Dense
G	<i>Oxalis perennans</i>	Oxalidaceae	Grassland Wood-sorrel	Graminoid	Endemic	Non-weed	-	0-1m	Dense
G	<i>Cyclospermum leptophyllum</i>	Apiaceae	Slender Celery or Wild Carrot	Forb	Exotic	Weed	-	0-1m	Sparse
G	Unidentifiable Grass	Poaceae		Graminoid	Exotic	Weed	-	0-1m	Dense
G	<i>Cheilanthes sieberi</i>	Pteridaceae-Adiantaceae	Poison Rock Fern or Mulga Fern	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Dodonaea viscosa subsp. cuneata</i>	Sapindaceae	Sticky Hopbush	Shrub	Endemic	Non-weed	-	0-1m	Dense
G	<i>Gnaphalium americanum</i>	Asteraceae	Cudweed	Forb	Exotic	Weed	-	0-1m	Dense
G	<i>Einadia hastata</i>	Chenopodiaceae	Berry Saltbush	Shrub	Endemic	Non-weed	-	0-1m	Dense
G	<i>Microlaena stipoides</i>	Poaceae	Weeping grass	Graminoid	Endemic	Non-weed	-	0-1m	Dense
G	Unidentifiable Weed				Exotic	Weed	-	0-1m	Sparse
G	Unidentifiable Grass	Poaceae		Graminoid	Exotic	Weed	-	0-1m	Dense
G	<i>Lomandra filiformis subsp. coriacea</i>	Lomandraceae	Wattle Mat Rush	Forb	Endemic	Non-weed	-	0-1m	Dense
G	<i>Verbena bonariensis</i>	Verbenaceae	Purpletop	Forb	Exotic	Weed	-	0-1m	Dense
G	<i>Asparagus asparagoides</i>	Asparagaceae	Common Bridal Creeper	Vine	Exotic	Weed	-	0-1m	Dense
G	<i>Paspalum dilatatum</i>	Poaceae	Dallis Grass	Graminoid	Exotic	Weed	-	0-1m	Dense

Table I2 Shale Plains Woodland reference site assessment results.

Layer	Species	Family	Common Name	Growth Form	Endemic or Exotic	Weed or Non-weed	Dominance	Median Height	Cover
Site 2 - Shale Plains Woodland									
T1	<i>Corymbia maculata</i>	Myrtaceae	Spotted gum	Tree	Endemic	Non-weed	D	≤18m	Moderate
T1	<i>Eucalyptus crebra</i>	Myrtaceae	Narrow-leaved Ironbark	Tree	Endemic	Non-weed	C	≤18m	Moderate
T1	<i>Eucalyptus moluccana</i>	Myrtaceae	Grey Box or Gum-topped box	Tree	Endemic	Non-weed	A	≤18m	Moderate
T2	<i>Eucalyptus crebra</i>	Myrtaceae	Narrow-leaved Ironbark	Tree	Endemic	Non-weed	D	≤8m	Sparse
T2	<i>Eucalyptus eugenioides</i>	Myrtaceae	Thin-leaved Stringy bark	Tree	Endemic	Non-weed	S	≤8m	Sparse
S1	<i>Eucalyptus moluccana</i>	Myrtaceae	Grey Box or Gum-topped box	Juvenile Tree	Endemic	Non-weed	D	≤2m	Sparse
S1	<i>Corymbia maculata</i>	Myrtaceae	Spotted gum	Juvenile Tree	Endemic	Non-weed	D	≤2m	Sparse
G	<i>Lolium perenne</i>	Poaceae	Perennial Ryegrass	Graminoid	Exotic	Weed	-	0-1m	Dense
G	<i>Oxalis perennans</i>	Oxalidaceae	Grassland Wood-sorrel	Graminoid	Endemic	Non-weed	-	0-1m	Dense
G	Unidentified Grass	Poaceae		Graminoid	Exotic	Weed	-	0-1m	Dense
G	<i>Einadia hastata</i>	Chenopodiaceae	Berry Saltbush	Shrub	Endemic	Non-weed	-	0-1m	Moderate
G	<i>Epaltres australis</i>	Asteraceae	Spreading nut-heads	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Juncus spp.</i>	Juncaceae	Rush	Shrub	Exotic	Weed	-	0-1m	Sparse
G	<i>Glycine clandestina</i>	Fabaceae	Twining Glycine or Love Creeper	Vine	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Eucalyptus spp.</i>	Myrtaceae	Euc seedling	Juvenile Tree	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Lomandra filiformis subsp. coriacea</i>	Lomandraceae - Xanthorrhoeaceae	Wattle Mat-rush	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	Unidentified Grass	Poaceae		Graminoid	Exotic	Weed	-	0-1m	Sparse
G	<i>Laxmannia spp.</i>	Anthericaceae		Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Plantago debilis</i>	Plantaginaceae	Shade Plantain or Weak Plantain	Forb	Endemic	Weed	-	0-1m	Sparse
G	<i>Bidens pilosa</i>	Asteraceae	Farmer's Friend	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Cyclospermum leptophyllum</i>	Apiaceae	Slender Celery or Wild Carrot	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Gnaphalium americanum</i>	Asteraceae	Cudweed	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Conyza sumatrensis</i>	Asteraceae	Tall fleabane, Broad-leaved Fleabane or White Horseweed	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Senecio madagascariensis</i>	Asteraceae	Fireweed	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Solanum pseudocapsicum</i>	Solanaceae	Madeira Winter Cherry or Jerusalem	Shrub	Exotic	Weed	-	0-1m	Sparse

Layer	Species	Family	Common Name	Growth Form	Endemic or Exotic	Weed or Non-weed	Dominance	Median Height	Cover
			Cherry						
G	<i>Entolasia marginata</i>	Poaceae	Bordered Panic	Graminoid	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Panicum simile</i>	Poaceae	Two-colour Panic	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	Unidentified Grass	Poaceae		Graminoid	Exotic	Weed	-	0-1m	Sparse
G	<i>Solanum prinophyllum</i>	Solanaceae	Forest nightshade	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Sida rhombifolia</i>	Malvaceae	Paddy's Lucerne or Arrow-leaf Sida	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Lomandra longifolia</i>	Lomandraceae	Spiny-headed Mat-rush or Honey Reed	Forb	Endemic	Non-weed	-	0-1m	Sparse

Table I3 Alluvial Woodland Flats reference site assessment results.

Layer	Species	Family	Common Name	Growth Form	Endemic or Exotic	Weed or Non-weed	Dominance	Median Height	Cover
Site 3 - Starr Park - Alluvial Woodland Flats									
T1	<i>Eucalyptus moluccana</i>	Myrtaceae	Grey Box or Gum-topped box	Tree	Endemic	Non-weed	D	18-20m	Dense
T1	<i>Eucalyptus tereticornis</i>	Myrtaceae	Forest Red Gum	Tree	Endemic	Non-weed	D	18-20m	Dense
T2	<i>Melaleuca decora</i>	Myrtaceae	White Feather Honeymyrtle	Tree	Endemic	Non-weed	D	8-10m	Moderate
S1	<i>Melaleuca decora</i>	Myrtaceae	White Feather Honeymyrtle	Juvenile Tree	Endemic	Non-weed	D	2-4m	Sparse
S1	<i>Eucalyptus moluccana</i>	Myrtaceae	Grey Box or Gum-topped box	Juvenile Tree	Endemic	Non-weed	C	2-4m	Sparse
S1	<i>Bursaria spinosa</i>	Pittosporaceae	Blackthorn, Sweet Bursaria or Christmas bush	Tree	Endemic	Non-weed	A	2-4m	Sparse
G	<i>Setaria parviflora</i>	Poaceae	Slender Pigeon Grass	Graminoid	Exotic	Weed	D	0-1m	Dense
G	<i>Plectranthus parviflorus</i>	Lamiaceae	Cockspur Flower	Shrub	Endemic	Weed	C	0-1m	Moderate
G	<i>Tredescantia albiflora</i>	Commelinaceae	Wandering Jew	Forb	Exotic	Weed	C	0-1m	Moderate
G	<i>Lolium perenne</i>	Poaceae	Perennial Ryegrass	Graminoid	Exotic	Weed	C	0-1m	Dense
G	<i>Oxalis perennans</i>	Oxalidaceae	Grassland Wood-sorrel	Graminoid	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Dichondra repens</i>	Convolvulaceae	Kidney Weed	Forb	Endemic	Weed	-	0-1m	Sparse
G	<i>Araujia sericifera</i>	Asclepiadaceae	Moth vine	Vine	Exotic	Weed	-	0-1m	Sparse
G	<i>Asparagus asparagoides</i>	Asparagaceae	Common Bridal Creeper	Vine	Exotic	Weed	-	0-1m	Sparse
G	<i>Einadia hastata</i>	Chenopodiaceae	Berry Saltbush	Shrub	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Sida rhombifolia</i>	Malvaceae	Paddy's Lucerne or Arrow-leaf Sida	Shrub	Exotic	Weed	-	0-1m	Sparse

Layer	Species	Family	Common Name	Growth Form	Endemic or Exotic	Weed or Non-weed	Dominance	Median Height	Cover
G	<i>Lomandra longifolia</i>	Xanthorrhoeaceae	Spiny-head Mat Rush or Basket Grass	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Onopordum acanthium</i>	Asteraceae	Scotch Thistle	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Dianella longifolia</i>	Phormiaceae	smooth flax lily	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Solanum nigrum</i> sens.lat.	Solanaceae	Blackberry nightshade	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Geranium spp.</i>	Geraniaceae	garden geranium	Forb	Exotic	Weed	-	0-1m	Sparse
G	Unidentified Weed		opposite-leaved, white hairs & flowers herb	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Lepidium africanum</i>	Brassicaceae	Peppergrass	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Themeda triandra</i>	Poaceae	Kangaroo Grass	Graminoid	Endemic	Non-weed	-	0-1m	Sparse
G	Unidentified Grass		blue grass	Graminoid	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Bromus catharticus</i>	Poaceae	Prairie Grass	Graminoid	Exotic	Weed	-	0-1m	Sparse
G	<i>Solanum prinophyllum</i>	Solanaceae	Forest nightshade	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Bidens pilosa</i>	Asteraceae	Farmer's Friend	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Opuntia stricta</i>	Cactaceae	Prickly Pear	Shrub	Exotic	Weed	-	0-1m	Sparse
G	<i>Stellaria media</i>	Caryophyllaceae	Common Chickweed	Forb	Exotic	Weed	-	0-1m	Sparse

Table I4 Alluvial Woodland Proper Flats reference site assessment results.

Layer	Species	Family	Common Name	Growth Form	Endemic or Exotic	Weed or Non-weed	Dominance	Median Height	Cover
Site 4 - Alluvial Woodland Proper Flats									
T1	<i>Melaleuca decora</i>	Myrtaceae	White Feather Honeymyrtle	Tree	Endemic	Non-weed	D	16m	Dense
T1	<i>Casuarina glauca</i>	Casuarinaceae	Swamp Oak	Tree	Endemic	Non-weed	C	16m	Dense
T1	<i>Eucalyptus tereticornis</i>	Myrtaceae	Forest Red Gum	Tree	Endemic	Non-weed	A	16m	Dense
T2	<i>Casuarina glauca</i>	Casuarinaceae	Swamp Oak	Tree	Endemic	Non-weed	D	<8m	Sparse
S1	<i>Ligustrum sinense</i>	Oleaceae	Small-leaved Privet	Shrub	Exotic	Weed	D	2-4m	Sparse
S1	<i>Melaleuca decora</i>	Myrtaceae	White Feather Honeymyrtle	Juvenile Tree	Endemic	Non-weed	D	2-4m	Sparse
S1	<i>Casuarina glauca</i>	Casuarinaceae	Swamp Oak	Juvenile Tree	Endemic	Non-weed	A	2-4m	Sparse
G	<i>Lolium perenne</i>	Poaceae	Perennial Ryegrass	Graminoid	Exotic	Weed	C		Dense

Layer	Species	Family	Common Name	Growth Form	Endemic or Exotic	Weed or Non-weed	Dominance	Median Height	Cover
G	<i>Microlaena stipoides</i>	Poaceae	Weeping grass	Graminoid	Endemic	Non-weed	D	0-1m	Dense
G	<i>Sonchus spp</i>	Asteraceae	Milk Thistle	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Myrsiphyllum Asparagoides</i>	Asparagaceae	Common Bridal Creeper	Vine	Exotic	Weed	-	0-1m	Sparse
G	<i>Tredescantia albiflora</i>	Commelinaceae	Wandering Jew	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Sida rhombifolia</i>	Malvaceae	Paddy's Lucerne or Arrow-leaf Sida	Shrub	Exotic	Weed	-	0-1m	Sparse
G	<i>Einadia hastata</i>	Chenopodiaceae	Berry Saltbush	Shrub	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Geranium spp.</i>	Geraniaceae	Garden Geranium or Cranebill	Forb	Exotic	Weed	-	0-1m	Sparse
G	Unidentified Weed		opposite-leaved, white hairs & flowers herb	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Solanum nigrum sens.lat.</i>	Solanaceae	Blackberry nightshade	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Senecio vulgaris</i>	Asteraceae	Common Groundsel	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Dichondra repens</i>	Convolvulaceae	Kidney Weed	Forb	Endemic	Weed	-	0-1m	Sparse
G	<i>Bidens pilosa</i>	Asteraceae	Farmer's Friend	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Araujia sericifera</i>	Asclepiadaceae	Moth vine	Vine	Exotic	Weed	-	0-1m	Sparse
G	Unidentified Grass	Poaceae		Graminoid	Exotic	Weed	-	0-1m	Sparse
G	<i>Aster subulatus</i>	Asteraceae	Wild Aster or Bushy Starwort	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Onopordum acanthium</i>	Asteraceae	Scotch Thistle	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Cyclospermum leptophyllum</i>	Apiaceae	Slender Celery or Wild Carrot	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Oxalis perennans</i>	Oxalidaceae	Grassland Wood-sorrel	Graminoid	Endemic	Non-weed	-	0-1m	Sparse

Table I5 Shale Plains Woodland Flats reference site assessment results.

Layer	Species	Family	Common Name	Growth Form	Endemic or Exotic	Weed or Non-weed	Dominance	Median Height	Cover
Site 5 - Shale Plains Woodland Flats									
T1	<i>Corymbia maculata</i>	Myrtaceae	Spotted gum	Tree	Endemic	Non-weed	D	18m	Moderate
T2	<i>Eucalyptus moluccana</i>	Myrtaceae	Grey Box or Gum-topped box	Tree	Endemic	Non-weed	D	14m	Sparse
T2	<i>Corymbia maculata</i>	Myrtaceae	Spotted gum	Tree	Endemic	Non-weed	A	14m	Sparse
S1	<i>Bursaria spinosa</i>	Pittosporaceae	Blackthorn , Sweet Bursaria or Christmas bush	Tree	Endemic	Non-weed	D	2-4m	Moderate

Layer	Species	Family	Common Name	Growth Form	Endemic or Exotic	Weed or Non-weed	Dominance	Median Height	Cover
S1	<i>Eucalyptus platyphylla</i>	Myrtaceae	Cabbage gum or Poplar Gum	Juvenile Tree	Endemic	Non-weed	C	2-4m	Sparse
S1	<i>Casuarina glauca</i>	Casuarinaceae	Swamp Oak	Juvenile Tree	Endemic		S	2-4m	Sparse
S2	<i>Lycium ferocissimum</i>	Solanaceae	African Boxthorn	Shrub	Exotic	Weed	S	0.5-1.5m	Sparse
S2	<i>Lissanthe strigosa</i>	Ericaceae	Peach heath	Shrub	Endemic	Non-weed	D	0.5-1.5m	Sparse
G	<i>Setaria parviflora</i>	Poaceae	Slender Pigeon Grass	Graminoid	Exotic	Weed	D	0-1m	Dense
G	<i>Pratia purpurascens</i>	Lobeliaceae	White Root	Forb	Endemic	Weed	A	0-1m	Moderate
G	<i>Brunoniella spp.</i>	Acanthaceae	Brunoniella	Forb	Endemic	Non-weed	A	0-1m	Sparse
G	<i>Solanum prinophyllum</i>	Solanaceae	Forest nightshade	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Onopordum acanthium</i>	Asteraceae	Scotch Thistle	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Sonchus spp</i>	Asteraceae	Milk Thistle	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Sida rhombifolia</i>	Malvaceae	Paddy's Lucerne or Arrow-leaf Sida	Shrub	Exotic	Weed	-	0-1m	Sparse
G	<i>Oxalis perennans</i>	Oxalidaceae	Grassland Wood-sorrel	Graminoid	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Dichondra repens</i>	Convolvulaceae	Kidney Weed	Forb	Endemic	Weed	-	0-1m	Sparse
G	<i>Plantago debilis</i>	Plantaginaceae	Shade Plantain or Weak Plantain	Forb	Endemic	Weed	-	0-1m	Sparse
G	<i>Taraxacum officinale</i>	Asteraceae	Dandelion	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Glycine clandestina</i>	Fabaceae	Twining Glycine or Love Creeper	Vine	Endemic	Non-weed	-	0-1m	Sparse
G	Unidentified Grass	Poaceae		Graminoid	Exotic	Weed	-	0-1m	Sparse
G	<i>Bidens pilosa</i>	Asteraceae	Farmer's Friend	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Cheilanthes sieberi</i>	Pteridaceae-Adiantaceae	Poison Rock Fern or Mulga Fern	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Geranium spp.</i>	Geraniaceae	garden geranium	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Paspalum dilatatum</i>	Poaceae	Dallis Grass	Graminoid	Exotic	Weed	-	0-1m	Sparse
G	<i>Bromus catharticus</i>	Poaceae	Prairie Grass	Graminoid	Exotic	Weed	-	0-1m	Sparse
G	<i>Einadia hastata</i>	Chenopodiaceae	Berry Saltbush	Shrub	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Dianella longifolia</i>	Phormiaceae	smooth flax lily	Forb	Endemic	Non-weed	-	0-1m	Sparse

Table I6 Shale Transition Forest Flats reference site assessment results.

Layer	Species	Family	Common Name	Growth Form	Endemic or Exotic	Weed or Non-weed	Dominance	Median Height	Cover
Site 6 - Shale Transition Forest Flats									
T1	<i>Eucalyptus fibrosa</i>	Myrtaceae	Red Ironbark or Broad-leaved Ironbark	Tree	Endemic	Non-weed	A	20-22m	Moderate
T1	<i>Eucalyptus moluccana</i>	Myrtaceae	Grey Box or Gum-topped box	Tree	Endemic	Non-weed	D	20-22m	Moderate
T2	<i>Melaleuca decora</i>	Myrtaceae	White Feather Honey myrtle	Tree	Endemic	Non-weed	D	8-10m	Moderate
T2	<i>Eucalyptus moluccana</i>	Myrtaceae	Juvenile Grey Box or Gum-topped box	Juvenile Tree	Endemic	Non-weed	S	6-8m	Sparse
S1	<i>Dillwynia sieberi</i>	Fabaceae	Prickly Parrot Pea or Juniper Pea Bush	Shrub	Endemic	Non-weed	D	1-2m	Moderate
S1	<i>Ozothamnus diosmifolius</i>	Asteraceae	Sago flower or pill flower	Shrub	Endemic	Non-weed	A	1-2m	Moderate
S1	<i>Melaleuca decora</i>	Myrtaceae	Juvenile White Feather Honey myrtle	Juvenile Tree	Endemic	Non-weed	S	1-2m	Moderate
S2	<i>Leucopogon juniperinum</i>	Ericaceae - Styphelioideae	Prickly Beard-heath	Shrub	Endemic	Non-weed	A	1-2m	Sparse
S2	<i>Opuntia stricta</i>	Cactaceae	Prickly Pear	Shrub	Exotic	Weed	A	0.5-1.5m	Sparse
G	<i>Themeda triandra</i>	Poaceae	Kangaroo Grass	Graminoid	Endemic	Non-weed	D	0-1m	Sparse
G	<i>Dichondra repens</i>	Convolvulaceae	Kidney Weed	Forb	Endemic	Weed	A	0-1m	Moderate
G	<i>Lomandra filiformis subsp. coriacea</i>	Lomandraceae	Wattle Mat Rush	Forb	Endemic	Non-weed	A	0-1m	Moderate
G	<i>Glycine clandestina</i>	Fabaceae	Twining Glycine or Love Creeper	Shrub	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Acacia decurrens</i>	Fabaceae - Mimosoideae	Black Wattle, Green Wattle	Seedling	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Cheilanthes sieberi</i>	Pteridaceae-Adiantaceae	Poison Rock Fern or Mulga Fern	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Aristida vagans</i>	Poaceae	Threeawn Speargrass	Graminoid	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Brunoniella spp.</i>	Acanthaceae	Brunoniella	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Pratia purpurascens</i>	Lobeliaceae	White Root	Forb	Endemic	Weed	-	0-1m	Sparse
G	<i>Solanum prinophyllum</i>	Solanaceae	Forest nightshade	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Oxalis perennans</i>	Oxalidaceae	Grassland Wood-sorrel	Graminoid	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Taraxacum officinale</i>	Asteraceae	Dandelion	Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Lomandra multiflora</i>	Lomandraceae	Matrush	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	Unidentified Grass	Poaceae		Graminoid	Exotic	Weed	-	0-1m	Sparse

Layer	Species	Family	Common Name	Growth Form	Endemic or Exotic	Weed or Non-weed	Dominance	Median Height	Cover
G	<i>Astroloma humifusum</i>	Ericaceae - Styphelioideae	Native Cranberry	Shrub	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Entolasia stricta</i>	Poaceae	Wiry Panic	Graminoid	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Einadia hastata</i>	Chenopodiaceae	Berry Saltbush	Shrub	Endemic	Non-weed	-	0-1m	Sparse
G	Unidentified Weed			Forb	Exotic	Weed	-	0-1m	Sparse
G	<i>Opercularia diphylla</i>	Rubiaceae	Thin Leaf Stink Weed	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Opercularia diphylla</i>	Rubiaceae	Thin Leaf Stink Weed	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Parsonsia spp.</i>	Apocynaceae	woody vines/climbers	Vine	Endemic	Non-weed	-	0-1m	Sparse

Table I7 Alluvial Woodland reference site assessment results.

Layer	Species	Family	Common Name	Growth Form	Endemic or Exotic	Weed or Non-weed	Dominance	Median Height	Cover
Site 7 - Alluvial Woodland									
T1	<i>Eucalyptus moluccana</i>	Myrtaceae	Grey Box or Gum-topped box	Tree	Endemic	Non-weed	D	16-18m	Moderate
T1	<i>Eucalyptus acmenoides</i>	Myrtaceae	White mahogany	Tree	Endemic	Non-weed	A	16-18m	Moderate
T1	<i>Eucalyptus fibrosa</i>	Myrtaceae	Red Ironbark or Broad-leaved Ironbark	Tree	Endemic	Non-weed	A	16-18m	Moderate
T2	<i>Allocasuarina littoralis</i>	Casuarinaceae	Black Sheoak	Tree	Endemic	Non-weed	A	8-12m	Moderate
T2	<i>Melaleuca decora</i>	Myrtaceae	White Feather Honeymyrtle	Tree	Endemic	Non-weed	D	8-12m	Moderate
T2	<i>Acacia decurrens</i>	Fabaceae - Mimosoideae	Black Wattle, Green Wattle	Tree	Endemic	Non-weed	A	8-12m	Moderate
S1	<i>Bursaria spinosa</i>	Pittosporaceae	Blackthorn, Sweet Bursaria or Christmas bush	Tree	Endemic	Non-weed	D	2-3m	Dense
S1	<i>Allocasuarina littoralis</i>	Casuarinaceae	Black Sheoak	Juvenile Tree	Endemic	Non-weed	A	2-4m	Moderate
S1	<i>Melaleuca decora</i>	Myrtaceae	White Feather Honeymyrtle	Juvenile Tree	Endemic	Non-weed	C	4m	Moderate
S2	<i>Dillwynia sieberi</i>	Fabaceae	Prickly Parrot Pea or Juniper Pea Bush	Shrub	Endemic	Non-weed	A	1-2m	Sparse
S2	<i>Epacrid spp.</i>	Epacridaceae	Australian Heath	Shrub	Endemic	Non-weed	D	1-2m	Moderate
G	<i>Themeda triandra</i>	Poaceae	Kangaroo Grass	Graminoid	Endemic	Non-weed	D	0-1m	Dense
G	<i>Lepidosperma gunnii</i>	Cyperaceae	Little or Narrow Sword-sedge	Graminoid	Endemic	Non-weed	A	0-1m	Dense
G	<i>Lomandra filiformis subsp. coriacea</i>	Lomandraceae - Xanthorrhoeaceae	Wattle Mat Rush	Forb	Endemic	Non-weed	A	0-1m	Dense

Layer	Species	Family	Common Name	Growth Form	Endemic or Exotic	Weed or Non-weed	Dominance	Median Height	Cover
G	<i>Cheilanthes sieberi</i>	Pteridaceae-Adiantaceae	Poison Rock Fern or Mulga Fern	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Dichondra repens</i>	Convolvulaceae	Kidney Weed	Forb	Endemic	Weed	-	0-1m	Sparse
G	<i>Lomandra filiformis</i> subsp. <i>filiformis</i>	Lomandraceae - Xanthorrhoeaceae	Wattle Mat Rush	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Pratia purpurascens</i>	Lobeliaceae	White Root	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Opuntia stricta</i>	Cactaceae	Prickly Pear	Shrub	Exotic	Weed	-	0-1m	Sparse
G	<i>Lissanthe strigosa</i>	Ericaceae	Peach heath	Shrub	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Einadia hastata</i>	Chenopodiaceae	Berry Saltbush	Shrub	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Oxalis perennans</i>	Oxalidaceae	Grassland Wood-sorrel	Graminoid	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Brunoniella</i> spp.	Acanthaceae	Brunoniella	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Pterostylis concinna</i>	Orchidaceae	Trim Greenhood Orchid	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Myrsiphyllum Asparagoides</i>	Asparagaceae	Common Bridal Creeper	Vine	Exotic	Weed	-	0-1m	Sparse
G	<i>Veronica plebeia</i>	Scrophulariaceae	Trailing Speedwell, Creeping Speedwell	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	<i>Luzula</i> spp.	Juncaceae	Wood-rush	Forb	Endemic	Non-weed	-	0-1m	Sparse
G	Unidentified Grass	Poaceae		Graminoid	Exotic	Weed	-	0-1m	Sparse
G	<i>Glycine clandestina</i>	Fabaceae	Twining Glycine or Love Creeper	Shrub	Endemic	Non-weed	-	0-1m	Sparse

Appendix J

Remote Site Assessment

Site Number	Present/Absence Score	Cover Score	Species Richness Score	Dominant Species Score	Non-Native Cover Score	Total Score	Site Condition Value
R1	7.50	6.67	5.38	5.00	5.00	29.55	Medium
R2	10.00	9.17	2.31	3.75	6.67	31.89	Medium
R3	10.00	5.83	6.15	5.00	5.83	32.82	Medium
R4	10.00	7.50	6.92	7.50	8.33	40.26	High
R5	10.00	8.33	5.38	6.25	10.00	39.97	High
R6	7.50	5.00	0.77	2.50	7.50	23.27	Low
R7	10.00	5.00	1.54	2.50	10.00	29.04	Medium
R8	10.00	6.67	5.38	8.75	10.00	40.80	High
R9	7.50	4.17	1.54	3.75	7.50	24.46	Medium
R10	5.00	1.67	0.77	3.75	5.00	16.19	Low
R11	10.00	3.33	3.85	5.00	9.17	31.35	Medium
R12	7.50	5.83	2.31	2.50	6.67	24.81	Medium
R13	7.50	6.67	3.85	3.75	5.00	26.76	Medium
R14	7.50	5.00	3.85	5.00	6.67	28.01	Medium
R15	10.00	5.83	6.15	6.25	7.50	35.74	High
R16	10.00	7.50	3.85	6.25	7.50	35.10	High
R17	10.00	5.00	6.15	5.00	9.17	35.32	High
R18	10.00	4.17	3.08	1.25	7.50	25.99	Medium
R19	10.00	8.33	4.62	6.25	9.17	38.37	High
R20	10.00	5.00	3.85	6.25	7.50	32.60	Medium
R21	10.00	6.67	4.62	6.25	10.00	37.53	High
R22	5.00	4.17	5.38	2.50	2.50	19.55	Low
R23	10.00	8.33	7.69	8.75	7.50	42.28	High
R24	10.00	7.50	5.38	7.50	7.50	37.88	High
R25	10.00	5.83	3.85	3.75	7.50	30.93	Medium
R26	10.00	10.00	3.85	5.00	7.50	36.35	High
R27	10.00	7.50	3.08	5.00	7.50	33.08	Medium
R28	7.50	7.50	2.31	3.75	5.00	26.06	Medium
R29	10.00	6.67	3.85	5.00	6.67	32.18	Medium
R30	10.00	7.50	6.15	6.25	7.50	37.40	High
R31	10.00	6.67	7.69	7.50	5.83	37.69	High
R32	10.00	7.50	3.85	6.25	7.50	35.10	High
R33	10.00	6.67	4.62	5.00	7.50	33.78	Medium
R34	10.00	5.00	3.08	6.25	7.50	31.83	Medium
R35	10.00	8.33	6.15	6.25	7.50	38.24	High
R36	7.50	2.50	2.31	3.75	5.00	21.06	Low
R37	10.00	6.67	6.15	7.50	7.50	37.82	High
R38	10.00	7.50	4.62	6.25	7.50	35.87	High

Site Number	Present/Absence Score	Cover Score	Species Richness Score	Dominant Species Score	Non-Native Cover Score	Total Score	Site Condition Value
R39	7.50	7.50	1.54	3.75	5.00	25.29	Medium
R40	10.00	9.17	3.08	5.00	7.50	34.74	High
R41	10.00	6.67	6.15	5.00	7.50	35.32	High
R42	10.00	6.67	5.38	6.25	8.33	36.63	High
R43	7.50	5.83	1.54	1.25	5.00	21.12	Low
R44	5.00	4.17	0.00	1.25	2.50	12.92	Low
R45	10.00	9.17	6.15	7.50	6.67	39.49	High
R46	7.50	3.33	1.54	2.50	5.00	19.87	Low
R47	10.00	4.17	6.15	3.75	6.67	30.74	Medium
R48	10.00	8.33	5.38	5.00	7.50	36.22	High
R49	7.50	6.67	3.08	5.00	5.83	28.08	Medium
R50	7.50	7.50	2.31	1.25	2.50	21.06	Low
R51	10.00	7.50	4.62	3.75	5.00	30.87	Medium
R52	10.00	10.00	5.38	6.25	6.67	38.30	High
R53	7.50	3.33	2.31	2.50	5.83	21.47	Low
R54	10.00	3.33	3.08	1.25	9.17	26.83	Medium
R55	10.00	5.83	7.69	5.00	1.67	30.19	Medium
R56	10.00	6.67	6.15	5.00	5.00	32.82	Medium
R57	10.00	10.00	6.92	6.25	9.17	42.34	High
R58	7.50	6.67	2.31	3.75	5.00	25.22	Medium
R59	7.50	3.33	4.62	6.25	5.83	27.53	Medium
R60	10.00	6.67	6.15	5.00	7.50	35.32	High
R61	10.00	7.50	3.08	6.25	8.33	35.16	High
R62	10.00	6.67	3.85	2.50	5.00	28.01	Medium
R63	10.00	9.17	3.85	5.00	8.33	36.35	High
R64	7.50	6.67	0.77	2.50	6.67	24.10	Medium
R65	7.50	5.00	3.08	2.50	3.33	21.41	Low
R66	7.50	5.00	3.08	3.75	4.17	23.49	Low
R67	7.50	6.67	2.31	5.00	5.83	27.31	Medium
R68	10.00	5.83	2.31	5.00	10.00	33.14	Medium
R69	5.00	2.50	0.00	2.50	5.00	15.00	Low
R70	10.00	6.67	6.15	6.25	7.50	36.57	High
R71	7.50	4.17	0.77	2.50	4.17	19.10	Low
R72	10.00	6.67	6.92	5.00	8.33	36.92	High
R73	7.50	5.83	5.38	2.50	4.17	25.38	Medium
R74	10.00	6.67	3.08	5.00	7.50	32.24	Medium
R75	10.00	5.83	6.15	3.75	5.00	30.74	Medium
R76	10.00	8.33	5.38	3.75	6.67	34.13	High

Site Number	Present/Absence Score	Cover Score	Species Richness Score	Dominant Species Score	Non-Native Cover Score	Total Score	Site Condition Value
R77	10.00	5.00	5.38	5.00	10.00	35.38	High
R78	10.00	5.83	3.85	0.00	2.50	22.18	Low
R79	10.00	4.17	6.92	5.00	3.33	29.42	Medium
R80	10.00	8.33	6.92	5.00	4.17	34.42	High
R81	10.00	7.50	5.38	7.50	9.17	39.55	High
R82	10.00	3.33	3.85	6.25	6.67	30.0962	Medium
R83	7.50	5.83	0.77	1.25	5.00	20.35	Low
R84	7.50	5.83	0.77	2.50	7.50	24.10	Medium
R85	7.50	5.00	2.31	5.00	5.00	24.81	Medium
R86	7.50	5.00	1.54	3.75	5.00	22.79	Low
R87	7.50	5.83	0.77	5.00	6.67	25.77	Medium
R88	10.00	8.33	6.92	3.75	5.00	34.01	High
R89	10.00	7.50	6.92	7.50	5.00	36.92	High
R90	7.50	3.33	6.92	6.25	5.00	29.01	Medium
R91	10.00	7.50	5.38	8.75	6.67	38.30	High
R92	10.00	6.67	4.62	3.75	7.50	32.53	Medium
R93	10.00	8.33	3.85	5.00	8.33	35.51	High
R94	10.00	9.17	6.15	3.75	7.50	36.57	High
R95	10.00	5.83	3.85	1.25	5.83	26.76	Medium
R96	10.00	7.50	6.15	2.50	3.33	29.49	Medium
R97	7.50	2.50	3.08	3.75	5.00	21.83	Low
R98	7.50	3.33	2.31	1.25	6.67	21.06	Low
R99	10.00	4.17	3.08	2.50	6.67	26.41	Medium
R100	10.00	9.17	3.85	6.25	10.00	39.26	High
R101	7.50	5.00	0.77	2.50	5.00	20.77	Low
R102	10.00	5.83	3.08	3.75	7.50	30.16	Medium
R103	10.00	6.67	4.62	5.00	8.33	34.62	High
R104	10.00	5.83	7.69	6.25	5.00	34.78	High
R105	7.50	6.67	1.54	5.00	7.50	28.21	Medium
R106	10.00	8.33	6.92	7.50	5.83	38.59	High
R107	10.00	5.83	6.92	3.75	5.83	32.34	Medium
R108	7.50	5.00	0.77	3.75	6.67	23.69	Medium
R109	10.00	6.67	3.08	5.00	7.50	32.24	Medium
R110	10.00	6.67	4.62	5.00	9.17	35.45	High
R111	10.00	5.83	7.69	7.50	5.00	36.03	High
R112	7.50	5.00	3.85	3.75	5.83	25.93	Medium
R113	10.00	8.33	6.15	5.00	5.83	35.32	High
R114	10.00	5.83	5.38	3.75	3.33	28.30	Medium

Site Number	Present/Absence Score	Cover Score	Species Richness Score	Dominant Species Score	Non-Native Cover Score	Total Score	Site Condition Value
R115	7.50	5.00	3.08	3.75	5.83	25.16	Medium
R116	10.00	5.83	6.15	3.75	3.33	29.07	Medium
R117	10.00	5.83	6.92	6.25	4.17	33.17	Medium
R118	10.00	4.17	3.08	5.00	9.17	31.41	Medium
R119	10.00	10.00	7.69	6.25	5.83	39.78	High
R120	10.00	7.50	6.92	3.75	6.67	34.84	High
R121	10.00	5.83	5.38	6.25	6.67	34.13	High
R122	5.00	4.17	0.77	3.75	3.33	17.02	Low
R123	10.00	7.50	6.92	8.75	7.50	40.67	High
R124	10.00	6.67	4.62	2.50	8.33	32.12	Medium
R125	7.50	5.83	2.31	2.50	5.83	23.97	Medium
R126	10.00	6.67	5.38	6.25	8.33	36.63	High
R127	10.00	7.50	6.92	5.00	7.50	36.92	High
R128	10.00	6.67	5.38	6.25	7.50	35.80	High
R129	10.00	5.83	5.38	5.00	7.50	33.72	Medium
R130	10.00	7.50	4.62	3.75	9.17	35.03	High
R131	10.00	8.33	3.85	6.25	10.00	38.43	High
R132	10.00	6.67	5.38	5.00	9.17	36.22	High
R133	10.00	6.67	5.38	5.00	9.17	36.22	High
R134	10.00	5.00	6.92	5.00	7.50	34.42	High
R135	10.00	7.50	7.69	10.00	7.50	42.69	High
R136	10.00	8.33	2.31	3.75	6.67	31.06	Medium
R137	10.00	9.17	7.69	7.50	10.00	44.36	High
R138	10.00	8.33	3.85	5.00	9.17	36.35	High
R139	10.00	5.00	4.62	6.25	8.33	34.20	High
R140	10.00	8.33	4.62	6.25	9.17	38.37	High
R141	10.00	6.67	7.69	6.25	5.00	35.61	High
R142	10.00	6.67	7.69	10.00	9.17	43.53	High
R143	10.00	6.67	3.08	5.00	9.17	33.91	Medium
R144	10.00	9.17	9.23	7.50	7.50	43.40	High
R145	7.50	3.33	3.85	6.25	6.67	27.60	Medium
R146	10.00	7.50	8.46	3.75	7.50	37.21	High
R147	10.00	9.17	10.00	6.25	8.33	43.75	High
R148	7.50	5.83	2.31	5.00	7.50	28.14	Medium
R149	10.00	8.33	3.85	5.00	6.67	33.85	Medium
*HQ	10.00	9.17	7.69	7.50	10.00	44.36	High
**LQ	5.00	4.17	0.00	1.25	2.50	12.92	Low
***CG	10.00	9.17	7.69	7.50	10.00	44.36	High

- *HQ = high quality site
- **LQ = low quality site
- *** CG = site with unique stands of *Casuarina glauca* species



Appendix K

Fauna Habitat Assessment Results

Habitat Feature	No. Encountered	Site No.	Species	Family	Common Name	Comments
Fauna sighting	1	1	<i>Tiliqua spp.</i>	Scincidae	Bluetongue	
Scat	1	1	<i>Oryctolagus spp.</i>	Leporidae	Rabbit	
Birds		1	<i>Manorina melanocephala</i>	Meliphagidae	Noisy Miner	
Fallen logs	3	2				1 hollow
Scat	2	2	<i>Oryctolagus spp.</i>	Leporidae	Rabbit	
Birds		2	<i>Manorina melanocephala</i>	Meliphagidae	Noisy Miner	
Hollow stumps	3	2				
Fallen logs	3	3				
Scat	1	3		Macropodidae	Wallaby	
Scat	1	3		Canidae	Dog	
Birds		3	<i>Manorina melanocephala</i>	Meliphagidae	Noisy Miner	
Birds		3	<i>Gymnorhina spp</i>	Cracticidae	Magpie	
Fauna sighting	4	3	<i>Pseudechis porphyriacus</i>	Elapidae	Red-bellied Black Snake	
Fauna sighting	>5	3			Skinks	Do not know species
Scat	1	4			Possum	Do not know species
Fauna sighting	1	4	<i>Vulpes vulpes</i>	Canidae	Fox	
Birds	>10	4	<i>Manorina melanocephala</i>	Meliphagidae	Noisy Miner	
Birds	2		<i>Grallina cyanoleuca</i>	Monarchidae	Magpie-lark	
Birds	1	4	<i>Corvus orru</i>	Corvidae	Torresian Crow	
Fauna sighting	>5	4			Skinks	Do not know species
Calls	1	4	<i>Litoria fallax</i>	Hylidae	Eastern Dwarf Tree Frog	
Tree hollows at base	2	5				
Fallen logs	6	5				

Habitat Feature	No. Encountered	Site No.	Species	Family	Common Name	Comments
Diggings	1	5	<i>Oryctolagus spp.</i>	Leporidae	Rabbit	
Hollow bearing trees	2	6				Small 5-10cm diameter
Fallen logs	3	6				
Hollow stumps	4	6				Old
Scat	1	6		Macropodidae	Wallaby	
Scat	1	6			Possum	Do not know species
Scat	1	6	<i>Oryctolagus spp.</i>	Leporidae	Rabbit	
Scat	1	6			Rat	Do not know species
Fauna sighting	1	6			dragon lizard	Small - do not know species
Fauna sighting	>5	6			Skinks	Do not know species
Birds		6	<i>Malurus cyaneus</i>	Maluridae	Superb Fairywren	
Fallen logs	2	7				
Hollow stumps	2	7				
Birds	>10	7			wrens	Do now know species

Site 1 = Shale Plains Woodland
Site 6 = Shale Transition Forest

Site 2 = Shale Plains Woodland
Site 7 = Alluvial Woodland

Site 3 = Alluvial Woodland

Site 4 = Alluvial Woodland

Site 5 = Shale Plains Woodland

Appendix L

Relevant Legislation

Relevant Legislation and Regulations

The following Acts, Regulations and policies inform the manner in which biodiversity within the Austral and Leppington North precincts are required to be managed.

Japan – Australia Migratory Bird Agreement (JAMBA)

The JAMBA agreement is a bilateral agreement between Australia and Japan that provides for the protection and conservation of migratory birds.

There are no JAMBA listed birds in the study area for the development proposal to consider.

China – Australia Migratory Bird Agreement (CAMBA)

The CAMBA agreement is a bilateral agreement between Australia and China that provides for the protection and conservation of migratory birds.

Rostratula benghalensis australis (painted snipe), *Gallinago hardwickii* (Latham's snipe) and *Apus pacificus* (fork-tailed swift) are bird species listed in CAMBA that may occur in Austral and Leppington North precincts. Development proposals must abide by the laws and regulations under the Agreement.

Environment Protection & Biodiversity Conservation Act 1999 (EPBC Act)

The *EPBC Act* provides a statutory framework to protect and manage nationally and internationally important flora, fauna, ecological communities and heritage places defined in the *EPBC Act* as matters of National Environmental Significance (NES) (DEWHA, 1999).

Cumberland Plain Woodland - Shale Plains Woodland, Sydney Coastal River Flat Forest – Alluvial Woodland and the Shale-Gravel Transitional Forest are all listed as critically Endangered Ecological Communities under the *EPBC Act*. Development proposals must normally abide by the regulations under the Act, noting that where Strategic Assessment under the *EPBC Act* has been undertaken, exemptions may apply.

Strategic Assessment under the Environment Protection & Biodiversity Conservation Act 1999 (EPBC Act)

A Strategic Assessment under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) is a big-picture study of an area to assess how national environmental and heritage values can be protected.

The Strategic Assessment process allows for assessment and endorsement of a proposed broad-scale policy, plan or program.

Through Strategic Assessments, the Commonwealth Government works with partners -- such as state or local governments -- to ensure a policy, plan or program will adequately safeguard nationally protected matters for the long term.

Nationally protected matters of relevance to this study are considered to be:

- listed threatened species and ecological communities
- migratory species protected under international agreements

Strategic Assessments reduce red tape by addressing Commonwealth environmental concerns giving greater upfront clarity to developers, landholders, planners, industry, government and the community.

Once a strategic assessment is complete and approvals have been given, individual proponents will not have to seek approval under the EPBC Act from the Commonwealth Government, as long as they undertake their projects in accordance with the endorsed policy, plan or program.

The implications for this study are that within the Austral and Leppington North precincts, proposals do not need to be referred to the Commonwealth Government under the EPBC Act if the proposal is inside the Growth Centres, and in accordance with the endorsed Program, noting that:

- Any proposal to clear land that is **certified** under the Growth Centres Biodiversity Certification is in accordance with the endorsed Program.
- Any proposal to clear land that is **non-certified** must be in accordance with the Relevant Biodiversity Measures (RBMs) of the Growth Centres Biodiversity Certification.
- A number of RBMs apply to specific parcels of land or specific types of development, making it essential to check compliance against the RBMs for any proposal in the non-certified areas.
- The NSW *Threatened Species Conservation Act 1995* (TSC Act) continues to apply to land that is non-certified under the Growth Centres Biodiversity Certification.

Environmental Planning and Assessment Act 1979 (EP&A Act) and Assessment Regulation 2000 (EP&A Regulation)

The *EP&A Act* regulates the implementation and enforcement of planning powers. It establishes provisions for the making of Environmental Planning Instruments (EPIs) such as SEPPs and Local Environmental Plans (LEPs), including the State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Growth Centres SEPP). The *EP&A Regulation* established additional provisions that provide further guidance on the requirements of the *EP&A Act*. Of particular significance to planning for Sydney's Growth Centres are clause 276 which establishes provisions with respect to the release of Precincts for urban development and clause 275 which requires an assessment of the consistency of certain proposed development with the relevant Growth Centre Structure Plan if a Precinct is released (Eco Logical, 2010).

The *EP&A Act* and the *2000 Regulation* set out amongst other things the:

- Requirements for rezoning land;

- Requirements regarding the preparation of environmental planning instruments;
- Matters for consideration when determining a development application; and,
- Approval permits and/or licences required from other authorities under other legislation.

Section 117 Directions of the *EP&A Act* require councils to address a range of matters when seeking to rezone land. While not directly relevant to the rezoning process adopted for the Growth Centres, these directions have been considered in planning for the Austral-Leppington North Precincts.

State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (Growth Centres SEPP)

The Growth Centres SEPP establishes the planning rules and objectives for the Growth Centres and Councils need to apply the SEPP when making decisions about land within the Growth Centres. In particular, the SEPP identifies areas of open space and environment conservation to be protected within the Growth Centres, and areas that are flood prone or major creek lands and transitional lands that need to be further assessed in the Precinct planning process.

Environmental Planning and Assessment Amendment (Sydney Region Growth Centres) Regulation 2006

The Growth Centres Regulation supports the Growth Centres SEPP. The Regulation makes provision for the release of precincts for residential, employment and other urban development in the North West and South West Growth Centres. In particular, it requires the Minister to prepare a Development Code and Infrastructure Plan to assist with the Precinct Planning process.

Threatened Species Conservation (TSC) Act 1995

The Act identifies threatened species and populations, Endangered Ecological Communities (EEC) and critical habitat, as well as key threatening processes. Approval is required in order to:

- Harm any animal or plant that is identified as a threatened species or is part of a threatened population or EEC;
- Damage critical habitat; or,
- Damage the habitat of any threatened species, population or EEC.

The Act also provides for the biodiversity certification of environmental planning instruments such as the Growth Centres SEPP. The Biodiversity Certification Order for the Growth Centres SEPP was gazetted by the Minister for Environment in December 2007.

While development on lands subject to Certification no longer requires assessment under the *TSC Act*, the Austral-Leppington development plan should consider and manage the presence of species, populations and communities listed under the *TSC Act*.

Threatened Species Conservation Amendment (Special Provisions) Act 2008

This Bill was introduced to Parliament in 2008. The object of this Bill is to amend the *TSC Act* to confirm that the Growth Centres SEPP has biodiversity certification under that Act. The Bill also amends the *Local Government Act 1993* to make it clear that, for local government rating purposes, where part of a parcel of land is the subject of a conservation agreement under the *National Parks and Wildlife Act 1974*, the rate payable on the whole parcel is to be proportionately reduced.

Fisheries Management Act 1994 (FM Act)

The *Fisheries Management Act 1994*, administered by the Industry and Investment NSW (I&I NSW) (formerly DPI) applies to any works within aquatic habitats. The *FM Act* aims to conserve, develop and share the fishery resources of NSW for the benefit of present and future generations. It defines 'fish' as any marine, estuarine or freshwater fish or other aquatic animal life at any stage of their life history. This includes insects, molluscs (eg. oysters), crustaceans, echinoderms, and aquatic polychaetes (eg. beachworms), but does not include whales, mammals, reptiles, birds, amphibians or species specifically excluded (eg. some dragonflies are protected under the *TSC Act* instead of the *FM Act*). Under this act, if any activity occurs that will block fish passage, then a permit under this Act will be required.

Water Management Act 2000 (WMA)

The *WMA* regulates construction activities in close proximity to waterways. Principles set out in the Act generally aim to preserve and/or restore water sources, floodplains, and water dependant ecosystems (including groundwater and wetlands). The Act also encompasses the protection of habitats, animals and plants which benefit from water or are potentially affected by managed activities.

One of the aims of the *WMA* is to protect riparian corridors. The ecological assessment completed will aid in identifying riparian zones in the study area that will need to be protected.

Noxious Weeds Act 1993

The *Noxious Weeds Act 1993* was implemented to regulate the impacts and spread of weeds within NSW. The Act governs the control, classification and removal of weeds declared as noxious weeds. Land which is privately occupied requires implementation of appropriate noxious weed controls under Part 4 of the Act. Penalties apply if the occupier fails to comply.

Based on the results of the flora assessment, the restrictions of the *Noxious Weeds Act 1993* will apply to development within the Austral-Leppington North Precincts.

Planning for Bushfire Protection 2006 (PBP 2006)

PBP 2006 has been released and adopted since 1 March 2007 through the Environmental Planning and Assessment Amendment (Planning for Bush Fire Protection) Regulation 2007

and the Rural Fires Amendment Regulation 2007. This new version replaces Planning for Bush Fire Protection, 2001.

This new version of PBP applies to all “development applications” on land that is classified as “bush fire prone land” (BPL), identified on a council's BPL map. For development on BPL specific controls apply to residential/rural residential subdivision and “Special Fire Protection Purposes” (SFPPs) – those types of development specified in the legislation as requiring particular attention (including mandatory involvement of the Rural Fire Service) (NSW Rural Fire Service, 2006).

Protection of the Environment Operations Act 1997 (PoEO Act)

The *PoEO Act* provides a single licensing arrangement to replace the different licences and approvals under existing separate Acts relating to air pollution, water pollution, noise pollution and waste management.

The EPA is made the regulatory authority for:

- Activities listed in Schedule 1 to the Act and the premises where they are carried on;
- Activities carried on by a State or public authority; and,
- Other activities in relation to which a licence regulating water pollution is issued.

In nearly all other cases, the regulatory authority is the relevant local council.

The activities listed in Schedule 1 to the Act (generally activities with potentially significant environmental impacts) require a licence. Licences can also be issued to regulate water pollution from activities that are not in Schedule 1. Licences are on-going but subject to review at least once every 5 years and can be varied, suspended or revoked.

Catchment Management Authorities Act 2003 (CMA)

This Act establishes Catchment Management Authorities (CMAs) and their roles and responsibilities, including the development of catchment action plans.

The Hawkesbury-Nepean Catchment Management Authority (HNCMA) was formed under *Catchment Management Authorities Act*. The primary role of the HNCMA is to fund environmental projects on private land in areas of critical importance. It is a statutory authority with a board that reports directly to the Minister for Environment, Climate Change and Water.

Sydney Regional Environmental Plan (SREP) No 20 – Hawkesbury-Nepean River (No 2 – 1997)

SREP 20 seeks to protect the environment of the Hawkesbury-Nepean River system. Development within the catchment is required to consider the general and specific principles and controls listed in the SREP to ensure the impacts of future land use are considered in a regional context. Kemps Creek is a tributary of the Hawkesbury-Nepean River system. Precinct Planning must consider the impacts of the development on the health of the system.

State Environmental Planning Policy No.19 (SEPP 19) – Bushland in Urban Areas

SEPP 19 seeks to protect and preserve bushland within certain urban areas, as part of the natural heritage or for recreational, educational and scientific purposes. The policy is designed to protect bushland in public open space zones and reservations, and to ensure that bush preservation is given a high priority when local environmental plans for urban development are prepared.

The ecological assessment conducted will aid in identifying bushland in the study area that will need to be protected.

Growth Centres Development Code 2006

The Development Code sets out the processes to be followed during Precinct Planning. The Code helps to implement policies at the regional and neighbourhood levels by, amongst others:

- Providing guidance on the Precinct Planning Process;
- Promoting best practice urban design;
- Increasing housing choices;
- Providing local employment for locals;
- Providing facilities and services at a local level;
- Maintaining the natural environment and visual character of the topography;
- Integrating existing infrastructure; and,
- Providing, protecting and maintaining open space opportunities throughout entire Precincts.

Growth Centres Conservation Plan 2007

This Conservation Plan identifies the existing biodiversity values within the Growth Centres and proposes a suite of mechanisms to achieve positive conservation outcomes for Western Sydney, and more broadly, the Sydney Basin, within the context of streamlining the development assessment process and providing for the future urban growth of Sydney (Eco Logical, 2007).

The objectives of the Conservation Plan are to:

- Outline planning and offsetting proposals for the Growth Centres;
- Assess whether they will improve or maintain regional biodiversity values; and,
- Confirm the outcomes of the assessments under Section 126G of the *TSC Act* so that biodiversity certification may be granted to the Growth Centres SEPP by the Minister for the Environment, Climate Change and Water (Eco Logical, 2007).

Liverpool LEP 2008

This Plan aims to make local environmental planning provisions for land in Liverpool in accordance with the relevant standard environmental planning instrument under section 33A of the *EP&A Act*.

The particular ecologically relevant aims of this Plan are as follows, to:

- Foster economic, environmental and social well-being so that Liverpool continues to develop as a sustainable and prosperous place to live, work and visit;
- Concentrate intensive land uses and trip-generating activities in locations most accessible to transport and centres;
- Promote the efficient and equitable provision of public services, infrastructure and amenities;
- Conserve, protect and enhance the environmental and cultural heritage of Liverpool;
- Protect and enhance the natural environment in Liverpool, incorporating ecologically sustainable development;
- Minimise risk to the community in areas subject to environmental hazards, particularly flooding and bush fires; and,
- Promote a high standard of urban design that responds appropriately to the existing or desired future character of areas.

Camden LEP 2010

This Plan aims to make local environmental planning provisions for land in Camden in accordance with the relevant standard environmental planning instrument under section 33A of the *EP&A Act*.

The particular ecologically relevant aims of this Plan are as follows, to:

- Ensure Camden retains its valued traditional qualities, character and scenic landscapes while providing for sustainable urban growth;
- Ensure that new communities are planned and developed in an orderly, integrated and sustainable manner and contribute to the social, environmental and economic sustainability of Camden;
- Ensure natural assets within Camden are protected and enhanced;
- minimise the impact on existing and future communities of natural hazards such as bush fires and flooding;
- Ensure the agricultural production potential of rural land, and prevent the fragmentation of agricultural holdings;
- ensure that the recreation, cultural and social needs of all existing and future residents of Camden are appropriately planned for;

- Protect and restore the environmental values of land, including waterways and riparian land, as part of the natural systems; and,
- Conserve and enhance the built and landscape heritage of Camden.

Appendix M

**Relevant Biodiversity
Measures Consistency
Report**

Growth Centres Biodiversity Certification

Assessment of Consistency between the Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

August 2012

1. Introduction

In July 2008 an amendment was made under Schedule 7 Part 7 to the *Threatened Species Conservation Act 1995* (TSC Act) to confer biodiversity certification on the *State Environmental Planning Policy (Sydney Region Growth Centres) 2006* (Growth Centres SEPP). Compliance with the relevant biodiversity measures (RBMs) in the biodiversity certification order (dated 14 December 2007) is required to maintain the certification. The RBMs require (among other things) the retention of 2000 hectares of existing native vegetation within the Growth Centres and additional offsetting outside the Growth Centre boundaries.

This report has been prepared to fulfil the requirement of RBM 35 for an assessment of the consistency of proposed precinct plans with the biodiversity certification and the RBMs.

This report has been prepared in a table format and addresses all RBMs that are relevant to precinct planning. It is noted that many of the RBMs are not specific to precinct planning and have therefore not been included in the report.

A complete copy of the biodiversity certification order (including all relevant biodiversity measures) can be found on the Office of Environmental and Heritage website at <http://www.environment.nsw.gov.au/biocertification/notcert.htm>

Where the report indicates that precinct planning is inconsistent with the biodiversity certification, full justification for the inconsistency is provided as part of the ecological assessment for the precinct.

Definitions

Terms defined below appear in **bold** in the table. Where the terms are also defined in the Biodiversity Certification Order, the definitions provided are consistent with those in the Order.

- **Biodiversity Certification Maps** means the maps marked “North West Growth Centre – Biodiversity Certification” and “South West Growth Centre – Biodiversity Certification” dated November 2007 and included in Schedule 2 of the Biodiversity Certification Order.
- **Certified Area** means an area marked as a certified area on a biodiversity certification map.
- **Clearing** of existing native vegetation means any one or more of the following:
 - a) cutting down, felling, thinning, logging or removing existing native vegetation in whole or in part,
 - b) killing, destroying, poisoning, ringbarking, uprooting or burning existing native vegetation in whole or in part.
- **Existing Native Vegetation (ENV)** means areas of indigenous trees (including any sapling) that:
 - a) had 10% or greater over storey canopy cover present,
 - b) were equal to or greater than 0.5 ha in area, and
 - c) were identified as “vegetation” on maps 4 and 5 of the draft Growth Centres Conservation Plan.
- **DECCW** means the Department of Environment, Climate Change and Water (which was the former Department of Environment and Climate Change, DECC, and is now the Office of Environment and Heritage (OEH)).
- **DoPI** means the Department of Planning and Infrastructure (which was the former Growth Centres Commission, GCC).
- **Minister** means the Minister administering the TSC Act.
- **Non-certified Area** means an area marked as a non-certified area on a biodiversity certification map.
- **Protection/Protected** in relation to land means land that is protected by a land use zoning under an environmental planning instrument or public ownership arrangements that provide for the protection of biodiversity values as a priority, or another arrangement that provides in perpetuity security for biodiversity on the subject land.
- **Relevant Biodiversity Measures** means the conditions in Schedule 1 of the Biodiversity Certification Order.
- **TSC Act** means the *Threatened Species Conservation Act 1995*.

2. Assessment

Table 1: Assessment of consistency between the relevant biodiversity measures of the Biodiversity Certification Order and Austral and Leppington North Precincts.

	Relevant Biodiversity Measure	Austral and Leppington North Precincts - Comment	Consistent with RBMs and Schedule 7 Part 7 of TSC Act	Justification
General				
4	Copies of all final reports, maps, reviews, plans and monitoring data referred to in the conditions of biodiversity certification must be held by the DoPI and made publicly available, either on request and/or by a mechanism that is broadly publicly accessible. This does not apply to material that is commercially sensitive or contains sensitive information regarding the location of threatened species, populations or ecological communities or their habitat.	All information required by the RBMs for the Austral and Leppington North Precincts will be publicly exhibited at a date yet to be determined, and an assessment of consistency (this report) will be updated where necessary after exhibition.	Yes	The following information will be publicly exhibited and available following gazettal: <ul style="list-style-type: none"> • This report in accordance with RBM 35; • Information required by RBM 8, as contained in this report; • Information as required by RBM 13 (Figures 1-2 of Annex A);
Native vegetation to be retained within the Growth Centres				
6	A minimum of 2,000 hectares of existing native vegetation must be retained and protected within the Growth Centres, either within the certified areas and/or the non-certified areas , subject to conditions 7 to 13 below.	The draft Conservation Plan identifies: <ul style="list-style-type: none"> • 48 ha of ENV to be protected in the Austral Precinct (prior to the impact from the SWRL and excluding ENV in the Kemps Ck Nature Reserve); • 52 ha of ENV to be protected in the Leppington North 	Yes	The Biodiversity Certification Map (Figure 1 of Annex A) identifies ENV within the Precincts which is required to be retained. The draft precinct plan (based on the final ILP, at Figure 1 of Annex B) protects 116.62ha of ENV within the Precincts through appropriate zoning of land, mapping of Existing Native Vegetation Areas on the Native Vegetation Protection Map and provisions that prohibit clearing of

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

	Relevant Biodiversity Measure	Austral and Leppington North Precincts - Comment	Consistent with RBMs and Schedule 7 Part 7 of TSC Act	Justification
		<p>Precinct (prior to the impact from the SWRL);</p> <ul style="list-style-type: none"> 7.14ha of ENV in the Investigation Areas is to be protected. <p>This is a total area of 107.14 ha of ENV that is required to be protected across the Precincts to maintain parity with the draft Conservation Plan.</p> <ul style="list-style-type: none"> 0.61 ha of ENV in the Investigation areas will be impacted by the South West Rail Link. Of this 0.61 ha, 0.52ha is on land which is currently non-certified and will be separately offset by TfNSW When the non-certified ENV to be impacted (and offset) by the SWRL is taken into account, the target for protection of ENV to maintain the 2,000 hectares of ENV across the Growth Centres is 106.62 hectares. The total area of ENV protected in the Precincts and investigation areas is 116.62ha 		<p>ENV as mapped. Changes to the non-certified land boundaries (Annex E) are also proposed, to be consistent with the ENV to be protected under the Precinct Plan.</p>

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

	Relevant Biodiversity Measure	Austral and Leppington North Precincts - Comment	Consistent with RBMs and Schedule 7 Part 7 of TSC Act	Justification
Retention of existing native vegetation during precinct planning				
7	During the precinct planning process, the DoPI may determine to make areas of existing native vegetation within the non-certified areas available for development if the clearance of such vegetation is considered necessary for either the provision of essential infrastructure and/or to meet the required Development Parameters specified in the Growth Centres Development Code.	4.03ha of ENV on non-certified land will be removed as per the draft Precinct Plan (Figure 1 and Figure 2 of Annex D) to enable development parameters to be met and to allow for essential infrastructure.	Yes	<p>The area of non-certified ENV to be removed will be more than offset by the protection of a total of 116.62ha of ENV across the Precincts, 10.00ha more than is required by the biodiversity certification order</p> <p>The total area of currently non-certified ENV proposed to be certified is 4.03ha. The total area of currently certified ENV proposed to be non-certified is 22.48ha. The calculations of protected ENV are based on ground-truthed ENV (see RBM 13) and this explains differences in totals when compared to the amount of ENV required to be protected.</p>
8	<p>In making a determination under condition 7, the DoPI must demonstrate by way of information provided during the public exhibition of the precinct plan (where that exhibition occurs after this order takes effect) that the clearing of any existing native vegetation in the non-certified areas will be offset by:</p> <p>(a) the protection of an equal or greater area of existing native vegetation elsewhere in the Growth Centres; and/or</p> <p>(b) the revegetation and/or restoration of an area of land elsewhere in the Growth Centres, subject to satisfying the following,</p> <p>(i) that the clearance of existing native vegetation in the non-certified areas will not affect the capacity to achieve overall improvement or maintenance of biodiversity values for threatened species, populations and ecological communities and their habitats,</p> <p>(ii) the revegetated and/or restored areas will be protected,</p>	Offsetting of the impacts described for condition 7 will be achieved by the protection of an equal or greater area of ENV in accordance with condition 8(a) (as shown on Figure 1 and Figure 2 of Annex D).	Yes	<p>The offsetting of impacts on non-certified ENV is required to enable the efficient development of the Precincts, including the provision of essential infrastructure.</p> <p>The 4.03ha of non-certified ENV to be cleared throughout the Precinct will be offset by the protection of an additional 10ha of ENV, above what is required under the draft Conservation Plan.</p> <p>The proposed offsets are in most cases connected with or adjacent to existing non-certified areas along the major creeks to form part of continuous vegetation and habitat</p>

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

	Relevant Biodiversity Measure	Austral and Leppington North Precincts - Comment	Consistent with RBMs and Schedule 7 Part 7 of TSC Act	Justification
	<p>(iii) the extent of revegetation and/or restoration compared to clearing of existing native vegetation must be undertaken at a ratio of at least 3:1 (to reflect the greater ecological risks relative to retaining existing native vegetation),</p> <p>(iv) areas subject to revegetation and/or restoration must be of a suitable boundary configuration and design to support long-term management,</p> <p>(v) revegetation and/or restoration of the proposed areas would not be undertaken under another scheme or regulatory requirement already in operation at the time that the clearing is approved (this includes but is not limited to any approvals, and associated conditions of such approvals, that may be required under the <i>Rivers and Foreshores Improvement Act 1948</i> and <i>Water Management Act 2000</i>),</p> <p>(vi) revegetation and/or restoration will be undertaken by suitably qualified and experienced persons using indigenous plant stock, and</p> <p>(vii) sufficient resources will be made available to undertake the revegetation and/or restoration and any necessary follow-up maintenance and monitoring for a minimum period of 5 years following the commencement of the revegetation and/or restoration.</p>			links through the Precincts. The offset areas of ENV are to be protected through zoning controls, native vegetation protection provisions and changes to the boundaries of certified and non-certified land as described for RBM 6 above.
9	<p>Revegetation and/or restoration may be partly counted towards meeting the overall requirement to protect 2,000 hectares of existing vegetation required in condition 6. The amount that may be counted shall be calculated by dividing the total area of revegetation and/or restoration required under condition 8b (iii) by 3.</p> <p>Note: for example, if 9 hectares of revegetation is undertaken then 3 hectares may be counted.</p>	N/A	N/A	N/A

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

Retention of existing native vegetation shown in areas marked with red hatching			
<p>12 Notwithstanding any other conditions of biodiversity certification, in the lands marked by a red hatching on the biodiversity certification maps existing native vegetation must not be cleared unless it is in accordance with a plan of management or unless such clearance has been agreed to by the DECC.</p>	<p>Part of the Kemps Creek Nature Reserve (covered by Condition 12) is within the Precinct boundary however the Precinct Plan does not apply to this land (as shown on the ILP at Annex B). An area that is subject to Condition 12 (but is not part of the Kemps Creek Nature Reserve), is within the Austral Precinct boundary and within the boundary of the draft Precinct Plan (see Annex A, Figure 1). No clearing of Existing Native Vegetation is proposed on this land as part of the Precinct Plan. These lands are proposed to be protected by maintaining the status of the land as non-certified, zoning areas that contain ENV as Environmental Conservation, and by applying the provision in the draft SEPP that prohibits clearing of vegetation on areas of ENV mapped under the SEPP.</p>	<p>Yes</p>	<p>Areas subject to condition 12 that are within the boundary of the draft Precinct Plan will be protected by the provisions of the draft SEPP.</p>

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

	Relevant Biodiversity Measure	Austral and Leppington North Precincts - Comment	Consistent with RBMs and Schedule 7 Part 7 of TSC Act	Justification
Ground-truthing of existing native vegetation				
13	If new information becomes available after the biodiversity certification order took effect that demonstrates that the vegetation within an area does not otherwise meet the definition of existing native vegetation , then for the purposes of conditions 7 to 8 and condition 11 to 12 only the area of confirmed existing native vegetation shall be considered.	<p>The mapping of ENV (identified on maps 4 and 5 of the draft <i>Growth Centres Conservation Plan</i>) generally corresponds with the findings of additional ground truthing investigations completed in 2010 and 2012 to inform the precinct planning process and only minor changes are recommended.</p> <p>Figure 2 of Annex A provides the results of ground truthing of ENV conducted as part of Precinct Planning. The ground truthing has identified 14.81ha of ENV (in both certified and non-certified lands) that is no longer considered to meet the definition of ENV.</p>	Yes	<p>Mapping resulting from ground truthing is provided in Figure 2 of Annex A.</p> <p>The draft conservation plan maps 107.14 ha of ENV within non-certified areas in the Precincts. Field surveys 101.58 Ha of ENV in non-certified areas.</p> <p>43.6 Ha of additional high conservation value vegetation. (AHCVV) was identified in the Precincts as part of the Precinct Planning investigations. 17.4 Ha of this is in non-certified lands.</p> <p>For the purposes of conditions 7, 8, 11 and 12, only the area of confirmed ENV has been taken into account (as shown at Annex C). A total of 3.37ha of ENV is in Kemps Creek Nature Reserve (see Condition 12). Because the Precinct Plan does not apply to this land and no impacts on this vegetation are proposed, this vegetation has been excluded from calculations of protected ENV in this report (as shown on Figure 1 of Annex C).</p>

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

	Relevant Biodiversity Measure	Austral and Leppington North Precincts - Comment	Consistent with RBMs and Schedule 7 Part 7 of TSC Act	Justification
Additional conservation actions within the Growth Centres – native vegetation				
14	During or before the preparation of the relevant precinct plan(s) under the Growth Centres Development Code, a further detailed assessment must be undertaken of the areas adjoining or proximate to the Shanes Park Air Services Australia site marked in blue hatching on the biodiversity certification maps .	The study area does not adjoin the Shanes Park Air Services Australia site.	N/A	NA
15	The assessment referred to in condition 14 must examine whether the areas meet the criteria specified in Schedule 3.	The study area does not adjoin the Shanes Park Air Services Australia site.	NA	NA
16	Based on the outcomes of the assessment the OEH shall provide advice to the Minister on whether the areas should be included within the certified areas or the non-certified areas shown on the biodiversity certification maps .	The study area does not adjoin the Shanes Park Air Services Australia site.	NA	NA
Additional conservation actions within the Growth Centres – plants				
17	<p>During or before the preparation of the relevant precinct plan(s) under the Growth Centres Development Code relating to the areas referred to in the table below, the following actions must be undertaken:</p> <p>Species <i>Acacia pubescens</i></p> <p>Required action Potential populations at Cross Street, Kemps Creek and Thirty-second Avenue, Austral – as shown in black hatching on the biodiversity certification maps:</p> <ul style="list-style-type: none"> • survey to confirm the presence of the species, and • if the species is present, provide for the protection of the area of suitable habitat for the species to the satisfaction of the OEH. 	NA (the land that is subject to condition 17 is outside the Austral and Leppington North Precinct boundaries).	Yes	NA

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

	Relevant Biodiversity Measure	Austral and Leppington North Precincts - Comment	Consistent with RBMs and Schedule 7 Part 7 of TSC Act	Justification		
Additional conservation actions within the Growth Centres – animals						
18	<p>During or before the preparation of the relevant precinct plan(s) under the Growth Centres Development Code relating to the area referred to in the table below, the following actions must be undertaken:</p> <table><tr><td>Species Green and Golden Bell Frog</td><td>Required action Potential population at Riverstone – as shown in black hatching on the biodiversity certification maps: <i>Option 1</i><ul style="list-style-type: none">survey to confirm the presence of the species, andif the species is present, provide protection of the area of suitable habitat for the species to the satisfaction of the OEH.<i>Option 2</i><ul style="list-style-type: none">if the species is present at Riverstone but cannot be adequately protected to the satisfaction of the OEH, then:<ul style="list-style-type: none">a) undertake targeted survey to confirm the presence of the species elsewhere in the Growth Centres, andb) if the species is present elsewhere in the Growth Centres, provide for the protection of an area(s) of suitable habitat for the species to the satisfaction of the OEH.</td></tr></table> <p>Note: On completion of the above actions the Minister may decide that it is appropriate to amend the boundaries of the area subject to biodiversity certification, in accordance with condition 3.</p>	Species Green and Golden Bell Frog	Required action Potential population at Riverstone – as shown in black hatching on the biodiversity certification maps : <i>Option 1</i> <ul style="list-style-type: none">survey to confirm the presence of the species, andif the species is present, provide protection of the area of suitable habitat for the species to the satisfaction of the OEH. <i>Option 2</i> <ul style="list-style-type: none">if the species is present at Riverstone but cannot be adequately protected to the satisfaction of the OEH, then:<ul style="list-style-type: none">a) undertake targeted survey to confirm the presence of the species elsewhere in the Growth Centres, andb) if the species is present elsewhere in the Growth Centres, provide for the protection of an area(s) of suitable habitat for the species to the satisfaction of the OEH.	N/A	N/A	N/A
Species Green and Golden Bell Frog	Required action Potential population at Riverstone – as shown in black hatching on the biodiversity certification maps : <i>Option 1</i> <ul style="list-style-type: none">survey to confirm the presence of the species, andif the species is present, provide protection of the area of suitable habitat for the species to the satisfaction of the OEH. <i>Option 2</i> <ul style="list-style-type: none">if the species is present at Riverstone but cannot be adequately protected to the satisfaction of the OEH, then:<ul style="list-style-type: none">a) undertake targeted survey to confirm the presence of the species elsewhere in the Growth Centres, andb) if the species is present elsewhere in the Growth Centres, provide for the protection of an area(s) of suitable habitat for the species to the satisfaction of the OEH.					

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

	Relevant Biodiversity Measure	Austral and Leppington North Precincts - Comment	Consistent with RBMs and Schedule 7 Part 7 of TSC Act	Justification
Additional conservation actions within the Growth Centres – development sites				
19	<p>Within twelve months of the biodiversity certification order taking effect, the DoPI (in consultation with the OEH) must put in place procedures so that all future precinct plans (excluding any plans that were publicly exhibited before the biodiversity certification order took effect), where practicable, provide for the appropriate re-use of:</p> <ul style="list-style-type: none"> (a) native plants (including but not limited to seed collection) and the re-location of native animals from development sites, prior to development commencing; and (b) top soil from development sites that contain known or potential native seed bank. <p>For the purposes of condition 19a and 19b appropriate uses may include, but are not limited to, application in revegetation or restoration works and landscaping in the Growth Centres.</p>	These provisions are incorporated into the Development Control Plans (DCP) for the Precincts.	Yes	N/A
Future precinct plans				
35	During the preparation of future precinct plans (excluding any precinct plans already publicly exhibited before this order took effect) the DoPI must undertake and make publicly available an assessment of the consistency of the proposed precinct plan with the conditions of biodiversity certification. This may occur during or before any public exhibition of future draft precinct plans.	This assessment of consistency has been prepared to satisfy this RBM. This report will be publicly exhibited with the full precinct planning package.	Yes	This assessment addresses all RBMs applicable to the planning of the Austral and Leppington North Precincts.
Future threatened species listings or discoveries				
36	<p>Where a preliminary determination is made under the Act to list a species, population or ecological community, and that species, population or ecological community may or is known to occur within the Growth Centres, then the Growth Centres Commission must (as soon as practicable) provide advice to the OEH on whether:</p> <ul style="list-style-type: none"> (a) the species, population or ecological community is known or 	The DoPI is not aware of any subsequent Preliminary determinations that would apply to the Austral and Leppington North Precincts.	Yes	N/A

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

	Relevant Biodiversity Measure	Austral and Leppington North Precincts - Comment	Consistent with RBMs and Schedule 7 Part 7 of TSC Act	Justification
	likely to be present in the Growth Centres; (b) it was considered during the preparation of the draft Growth Centres Conservation Plan by the DoPI; and (c) whether the SEPP, and related measures, provides adequate protection for the species, population or ecological community.			
37	Based on the information provided in accordance with condition 36, and any other relevant matters, the OEH shall advise the Minister on whether to formally review, maintain, modify, suspend or revoke the biodiversity certification of the SEPP if the species, population or ecological community is listed under the Act.	N/A	N/A	N/A

3. Conclusion

This report has undertaken an assessment of the consistency of the Austral and Leppington North Precincts planning with the biodiversity certification and the applicable relevant biodiversity measures.

It is concluded that the Austral and Leppington North Precincts planning is consistent with the biodiversity certification of the Growth Centres SEPP, as follows:

- Under the final Precinct Plan 116.62ha of ENV will be protected within the Austral and Leppington North Precincts and the investigation areas. This is approximately 10.00ha more than required under the Biodiversity Certification Order to contribute to the 2,000ha of ENV to be protected across the Growth Centres.
- ENV will be protected through a number of different zones under the draft Precinct Plan (refer to Figure 2 in **Annex C**), including Environmental Conservation, Public Recreation, and Infrastructure. The reasons for applying the proposed zones are discussed further below.
- Development controls are proposed in the draft SEPP to prohibit the clearing of protected ENV as shown on the Native Vegetation Protection Map.
- The 2010 and 2012 (post-exhibition) ground truthing surveys recorded 101.58 Ha of validated ENV in non-certified areas in the Precincts. Only ground-truthed ENV has been included in the calculation of the total area of ENV to be protected. Figure 2 of **Annex B** shows the results of the ground-truthing.

Amendments to the boundaries of certified and non-certified land are proposed as shown at **Annex E**. The boundary amendments are proposed to reflect the outcomes of Precinct Planning, and to ensure the protection of ENV to maintain consistency with the Certification.

Land use zones have been selected based on advice from the OEH in relation to appropriate zoning of land containing ENV, and with consideration of other land use planning factors, including the future ownership, acquisition and use of land in accordance with the draft Precinct Plan and the EP&A Act. While the use of Environment Protection zones is preferred by OEH, in many cases it is not possible to apply this zoning to land containing ENV because of restrictions on the ability of Council to acquire the land under section 94 of the EP&A Act. In accordance with the hierarchy of land use zones preferred by OEH, land use zones have been applied to ENV that is proposed to be protected as follows:

- Where ENV to be protected is on land that is currently in Council or State Government ownership, the E2 Environmental Conservation zone has been used. The exception to this is Craik Park, in the centre of the Precincts, which is an existing Council reserve that contains a sports field and remnant ENV. The RE1 Public Recreation zone has been applied to this land to enable continued use of the sports fields.
- Where ENV to be protected is within large land holdings (and the area of ENV comprises only small part of the total area of land in the one ownership) the E2 zone has been applied. This land is not proposed to be acquired by a public authority, but the

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

land owner may seek to dedicate the land to Council subject to Council agreement, and if this did occur, the ENV would be protected by the combination of zoning and public ownership. Regardless, the application of the E2 zone to land that is to remain in private ownership is consistent with OEH requirements for protection of ENV.

- Within flood affected land along Kemps Creek and Bonds Creek, and adjacent to a number of other unnamed watercourses, existing rural properties that partly contain ENV are proposed to have a “split” zoning, with the land containing ENV zoned E2 Environmental Conservation and the remainder of the property zoned for a purpose that enables some commercial return either through limited subdivision or construction of a dwelling, or continued agricultural production. Generally, where the existing rural lot is partly within and partly outside the 100 year ARI flood extent, the combination of E4 Environmental Living and E2 (for the land that contains ENV) has been used. This approach also applies to a property on the eastern side of the Precincts at Eighth Avenue, which contains patches of ENV that are linked to a large remnant to the north and east in land owned by the Sydney Catchment Authority. This enables limited subdivision and construction of dwellings on relatively large lots consistent with the flooding and vegetation constraints on the land. Where the existing rural lot is entirely affected by flooding (such as along the northern parts of the Kemps Creek floodplain) the RU6 Rural Transition zone and E2 zone (for the land that contains ENV) has been used. The Rural Transition zone will enable agricultural uses that do not cause significant amenity impacts for nearby residential areas. The ability to further subdivide this land is limited, with minimum lot size controls established to limit further subdivision of land that contains ENV. In both these situations, the land that contains ENV is anticipated to remain in private ownership.
- Where land that contains ENV is to be acquired as part of a larger acquisition for a public purpose (usually for public recreation or drainage) the RE1 Public Recreation and SP2 Infrastructure (drainage zones) have been used. These approaches have generally been applied along the larger watercourses (eg. Bonds Creek and Scalabrini Creek) where the creek channel and margins are to be acquired by Council as part of the drainage network or where ENV is located on land that is to be acquired for public parks and sporting fields (these are often located within floodprone land near the major creeks). Land in these zones will be acquired by the relevant Council

These zones, in combination with the existing native vegetation provisions (refer to Figure 3 in **Annex C**) and the proposed certification boundaries (refer to **Annex E**), will protect the ENV.

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

Annex A

Biodiversity Certification Map for Austral and Leppington North Precincts

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

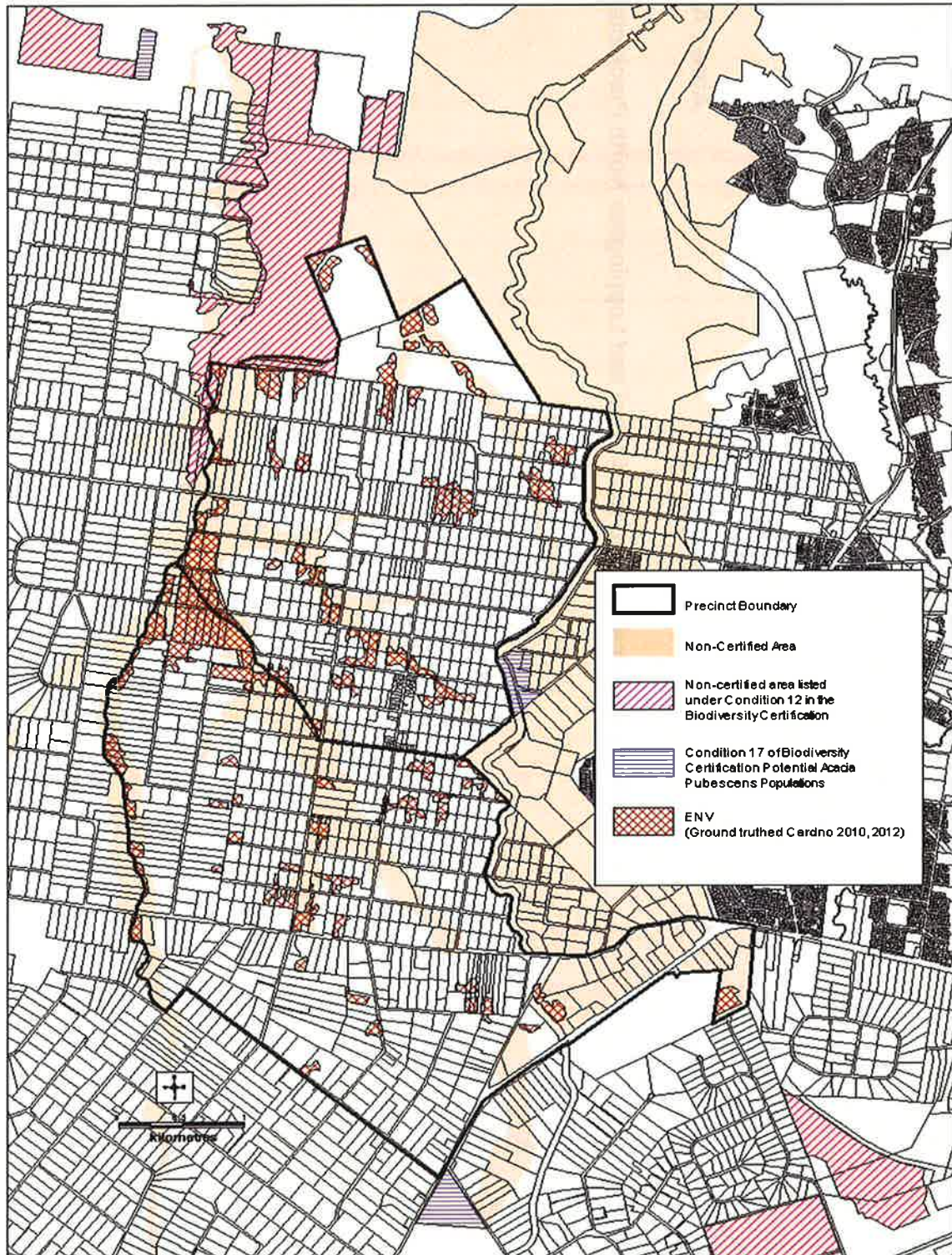


Figure 1: Austral and Leppington North Precincts – Biodiversity Certification Map showing Existing Native Vegetation (as confirmed by 2010 and 2012 ground truthing) and areas listed under Condition 12 and Condition 17 of the Biodiversity Certification.

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

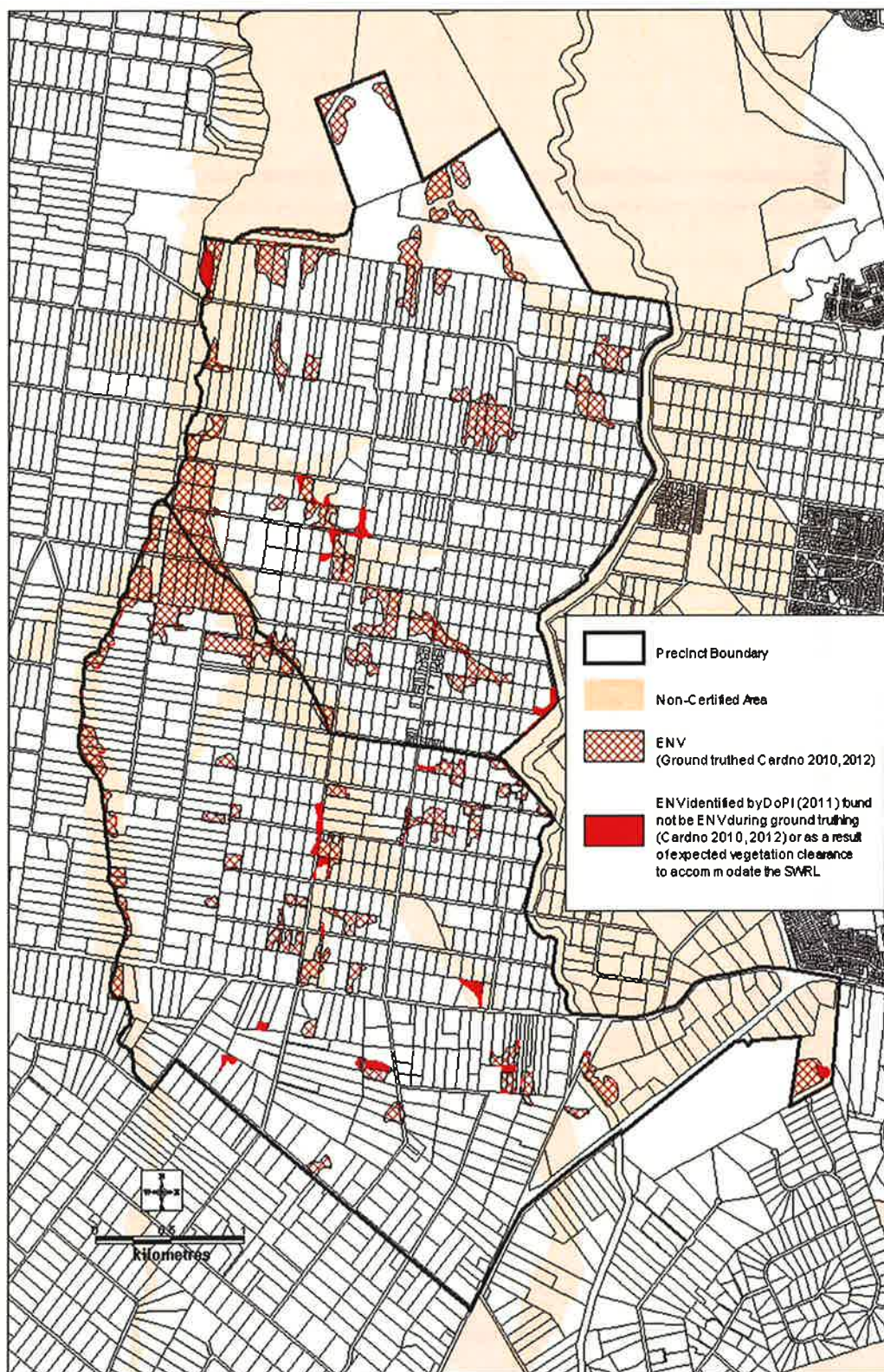


Figure 2 Existing Native Vegetation and vegetation areas found not to meet the criteria of ENV during ground truthing in 2010, 2012.

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

Annex B

Proposed Indicative Layout Plan for Austral and Leppington North Precincts

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

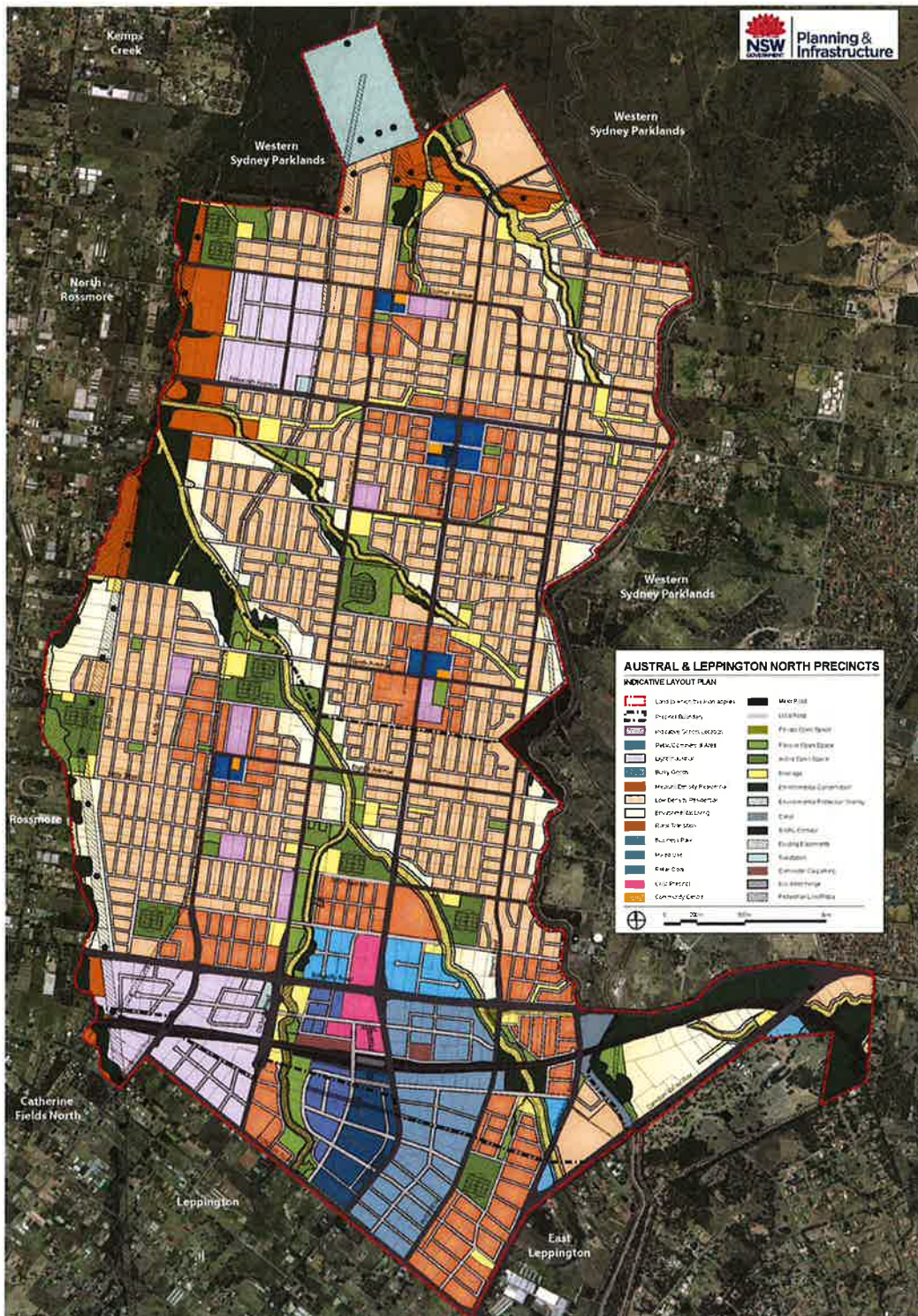


Figure 1 Final Indicative Layout Plan for Austral and Leppington North Precincts (June 2012).

Annex C

Proposed Protection Measures Plan for Austral and Leppington North Precincts

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and
Austral and Leppington North Precincts

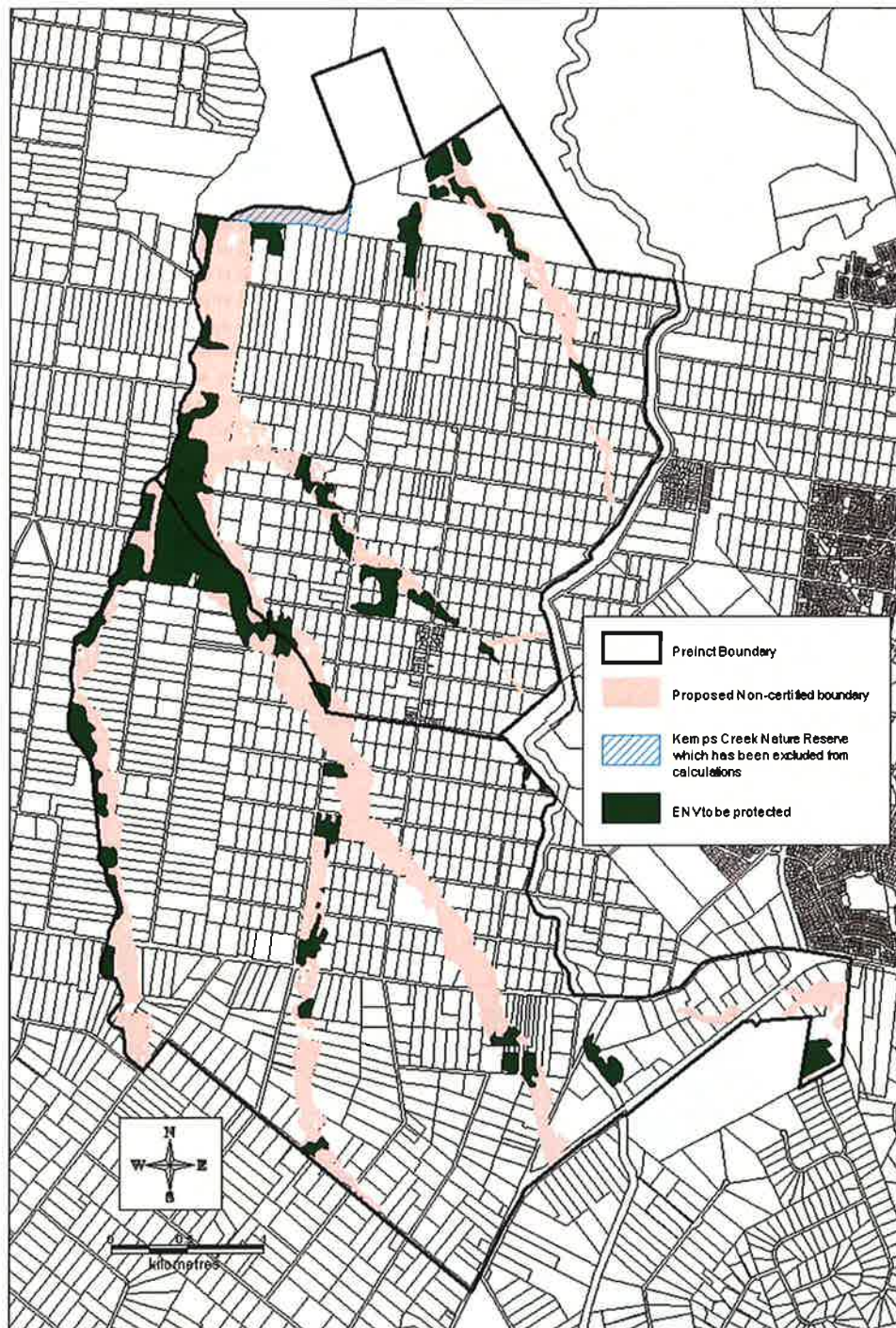


Figure 1 ENV to be protected

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

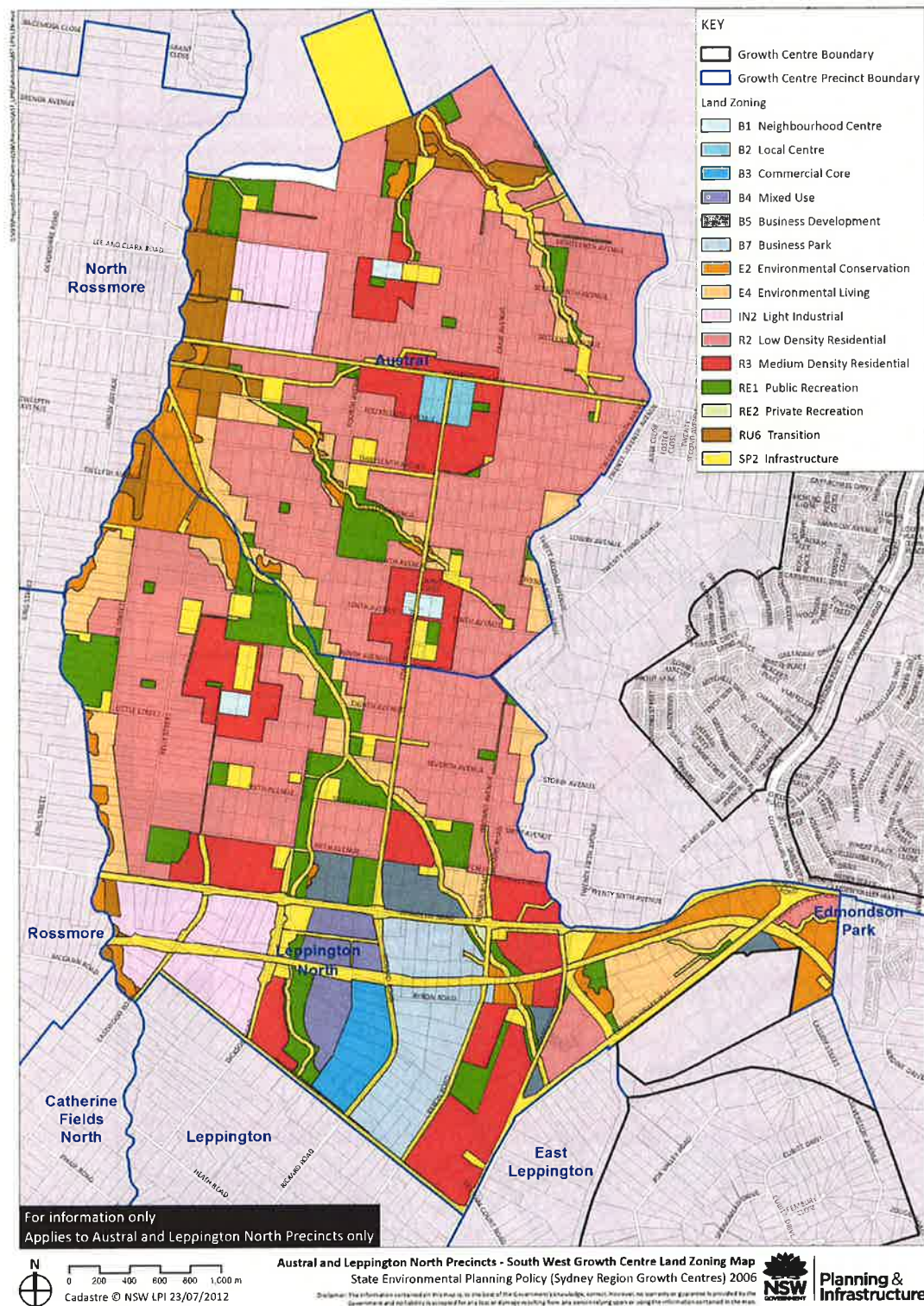


Figure 2 Land Zoning Map

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

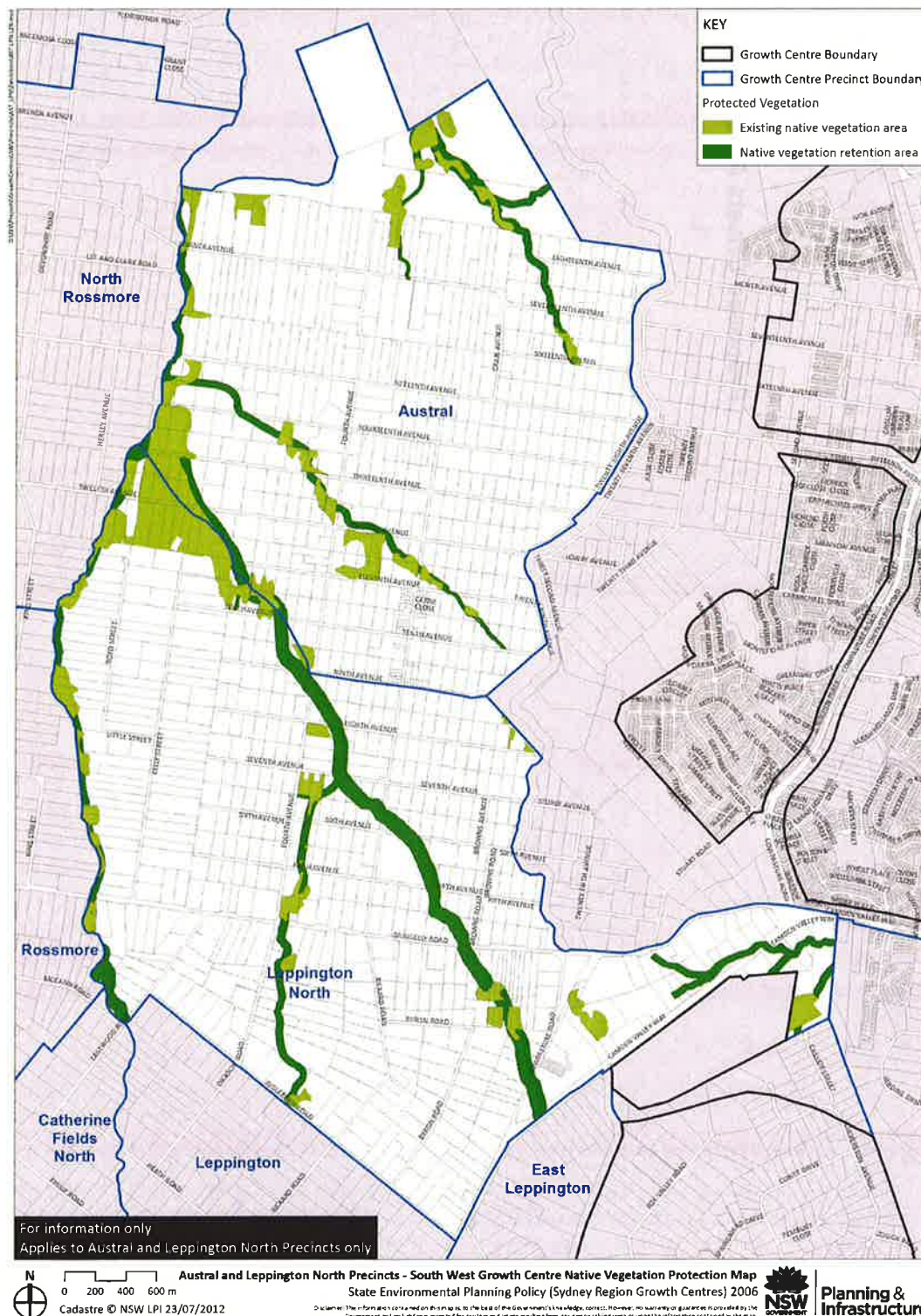


Figure 3 Native Vegetation Protection Areas Map

Annex D

Proposed Offsets Areas Precinct

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

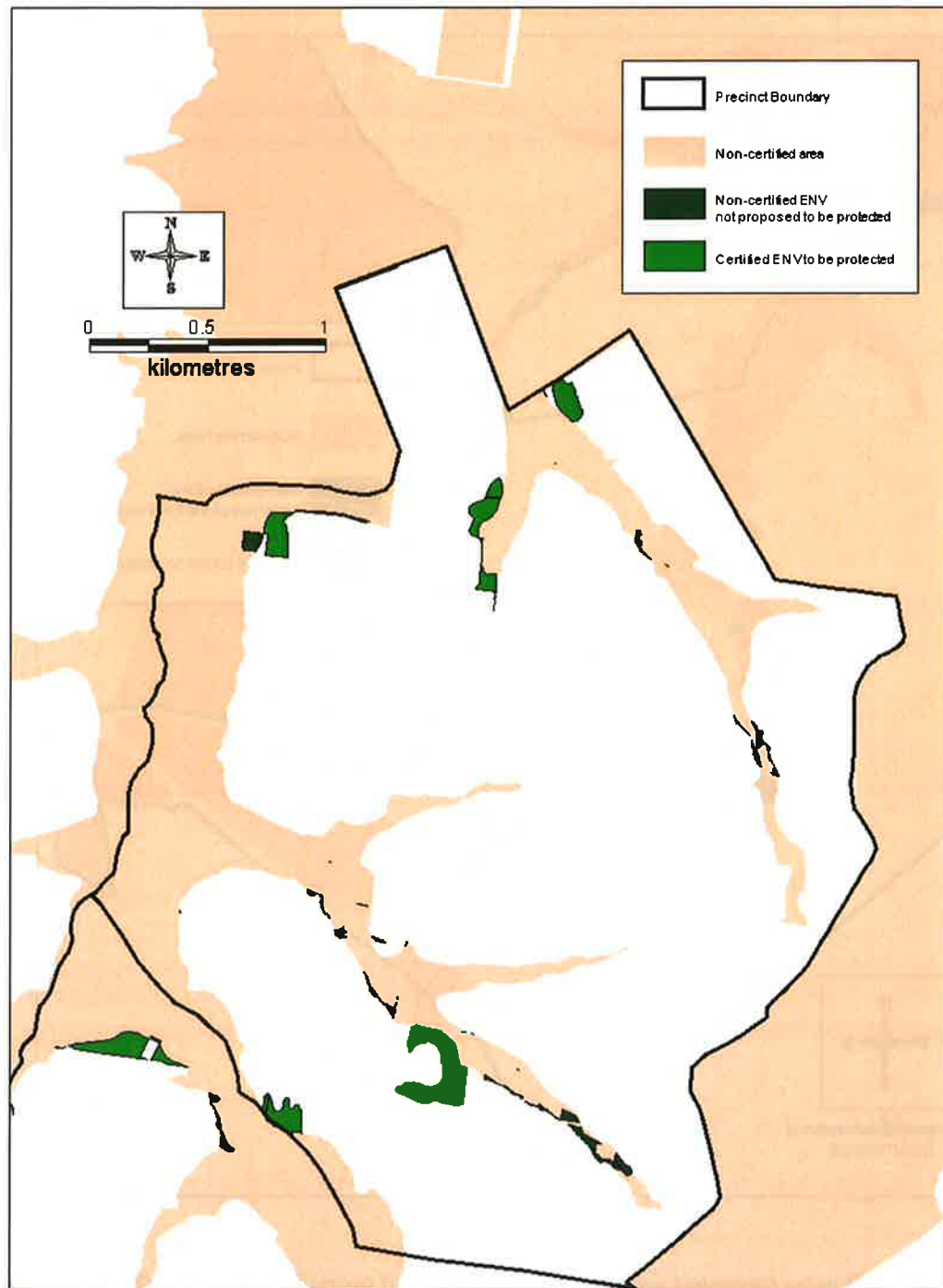


Figure 1: Certified ENV to be protected and Non-certified ENV not proposed to be protected in Austral

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

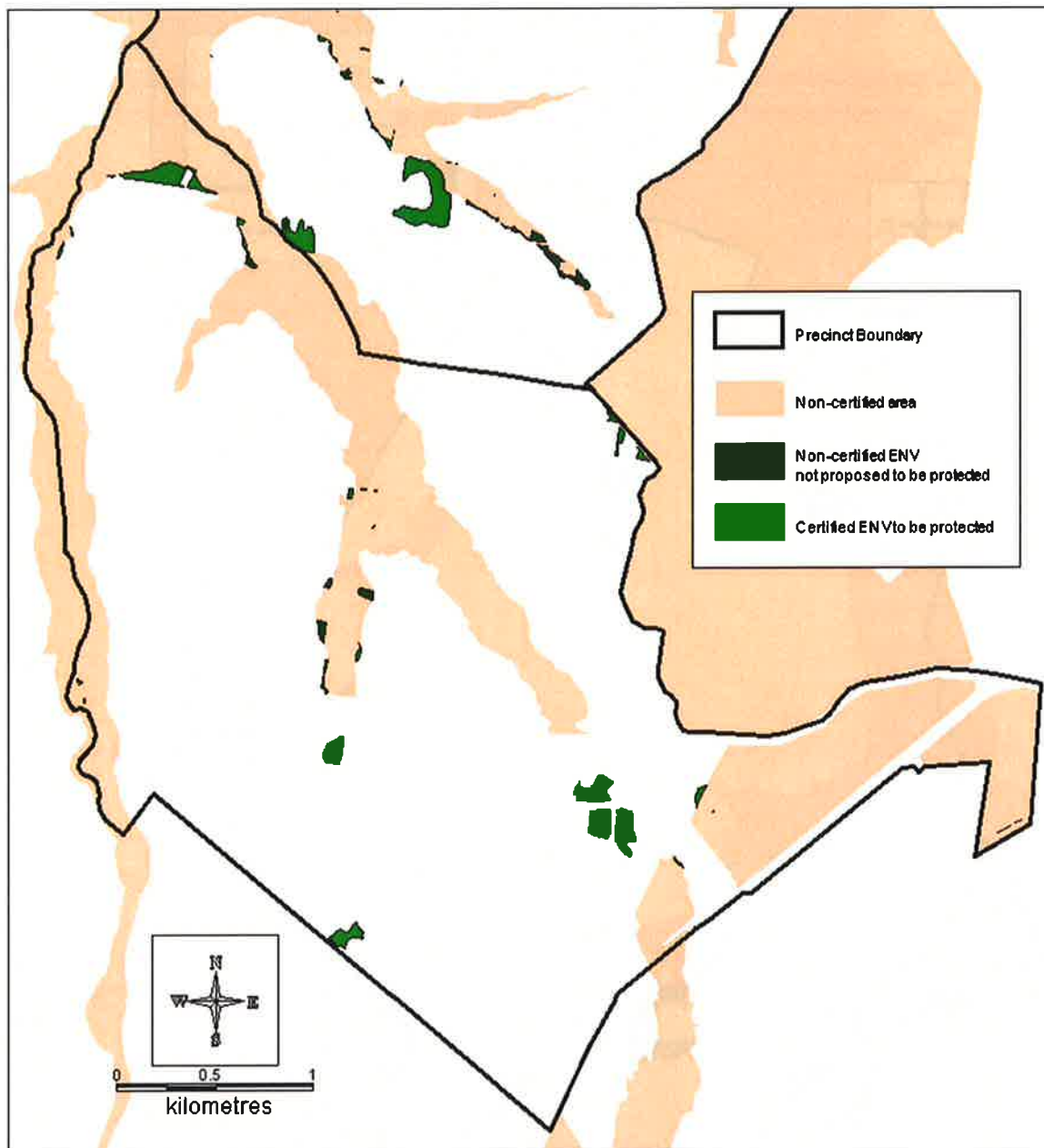


Figure 2: Certified ENV to be protected and Non-certified ENV not proposed to be protected in Leppington

Annex E

Proposed Amendments to Biodiversity Certification Map

Assessment of consistency between Relevant Biodiversity Measures of the Biodiversity Certification Order and Austral and Leppington North Precincts

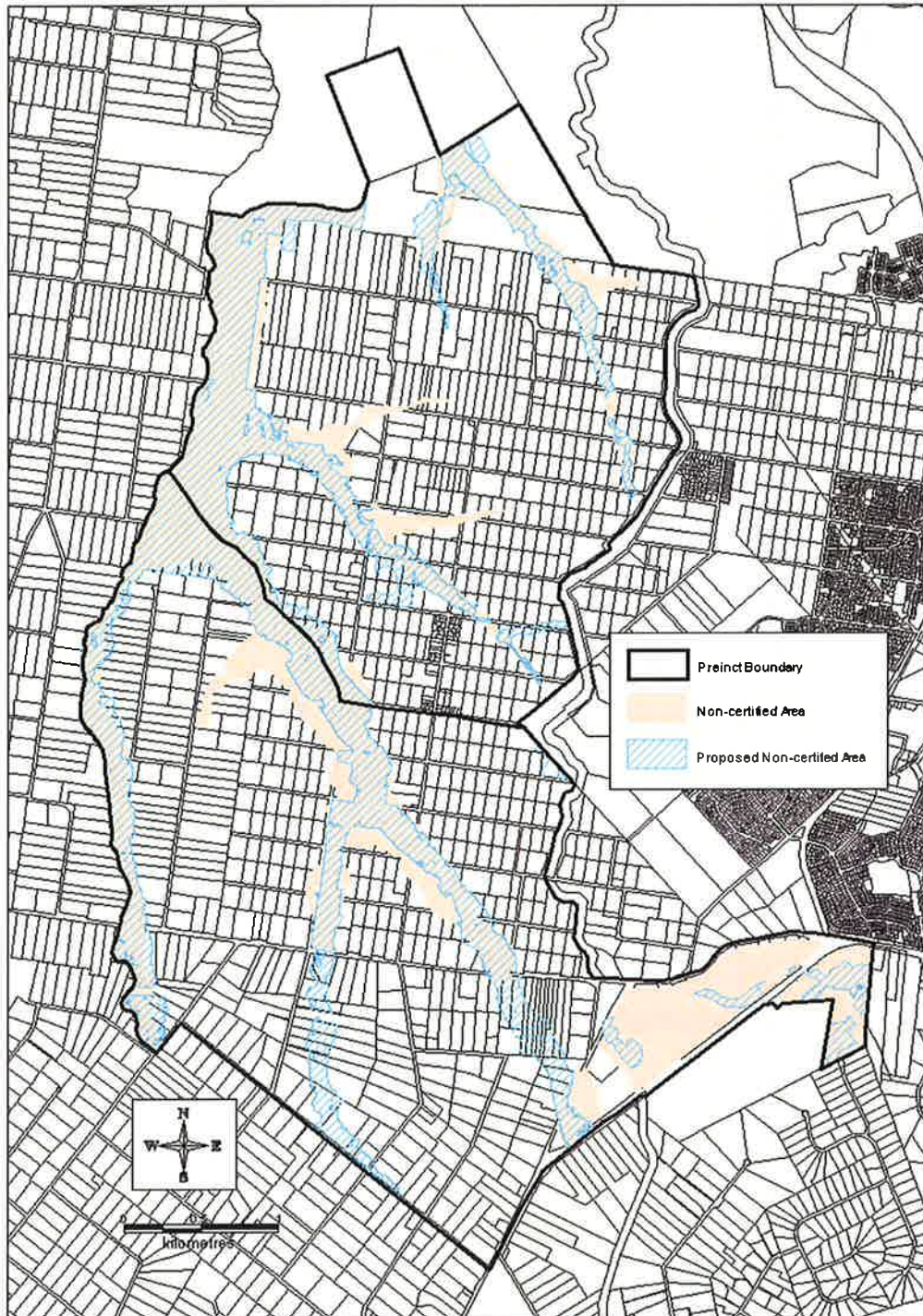


Figure 1: Proposed new boundaries of non-certified area and current non-certified area within the Austral and Leppington North precincts

Appendix N

Ecological Value Results

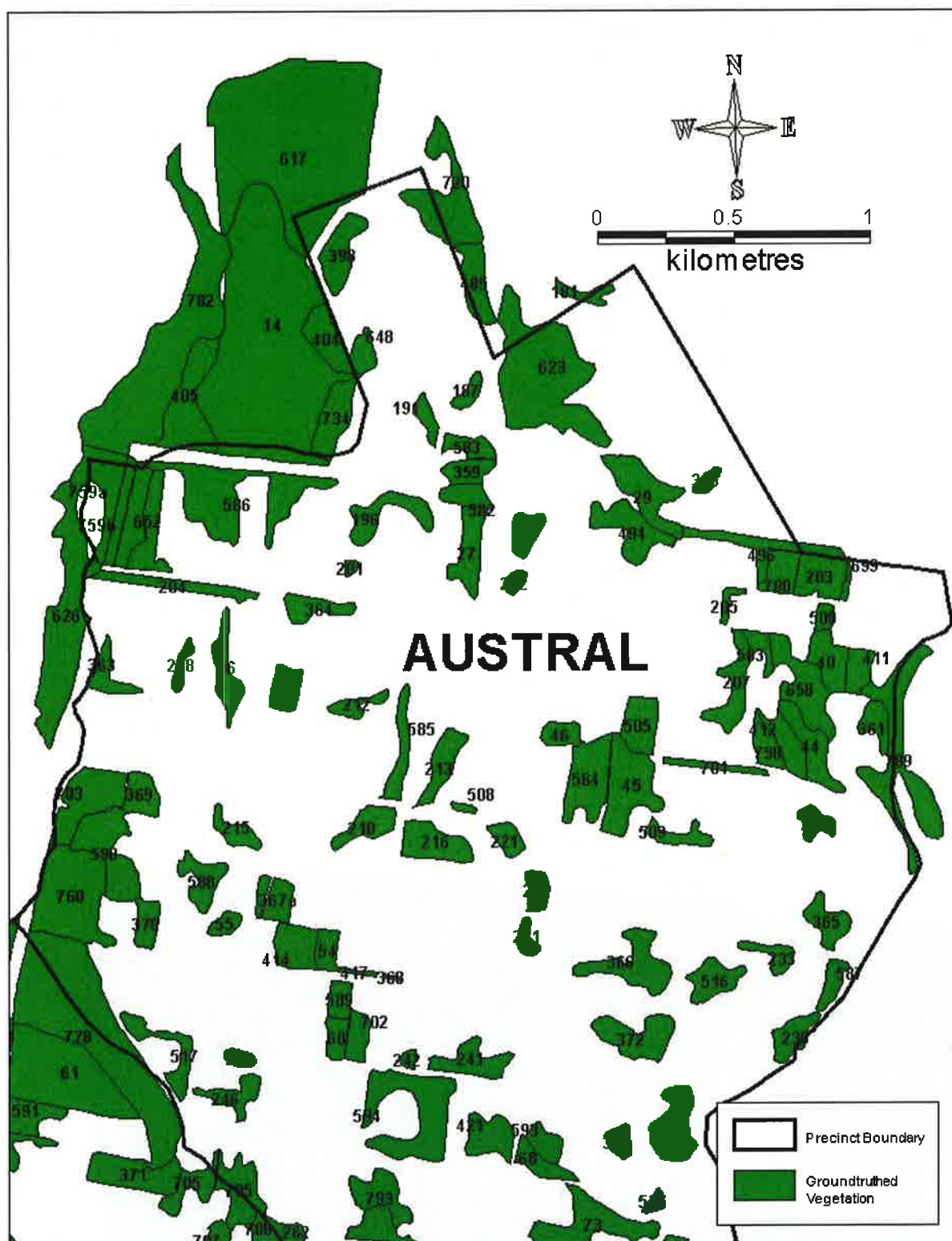


Figure 1 Location of Vegetation areas ground truthed in Austral (Site ID).

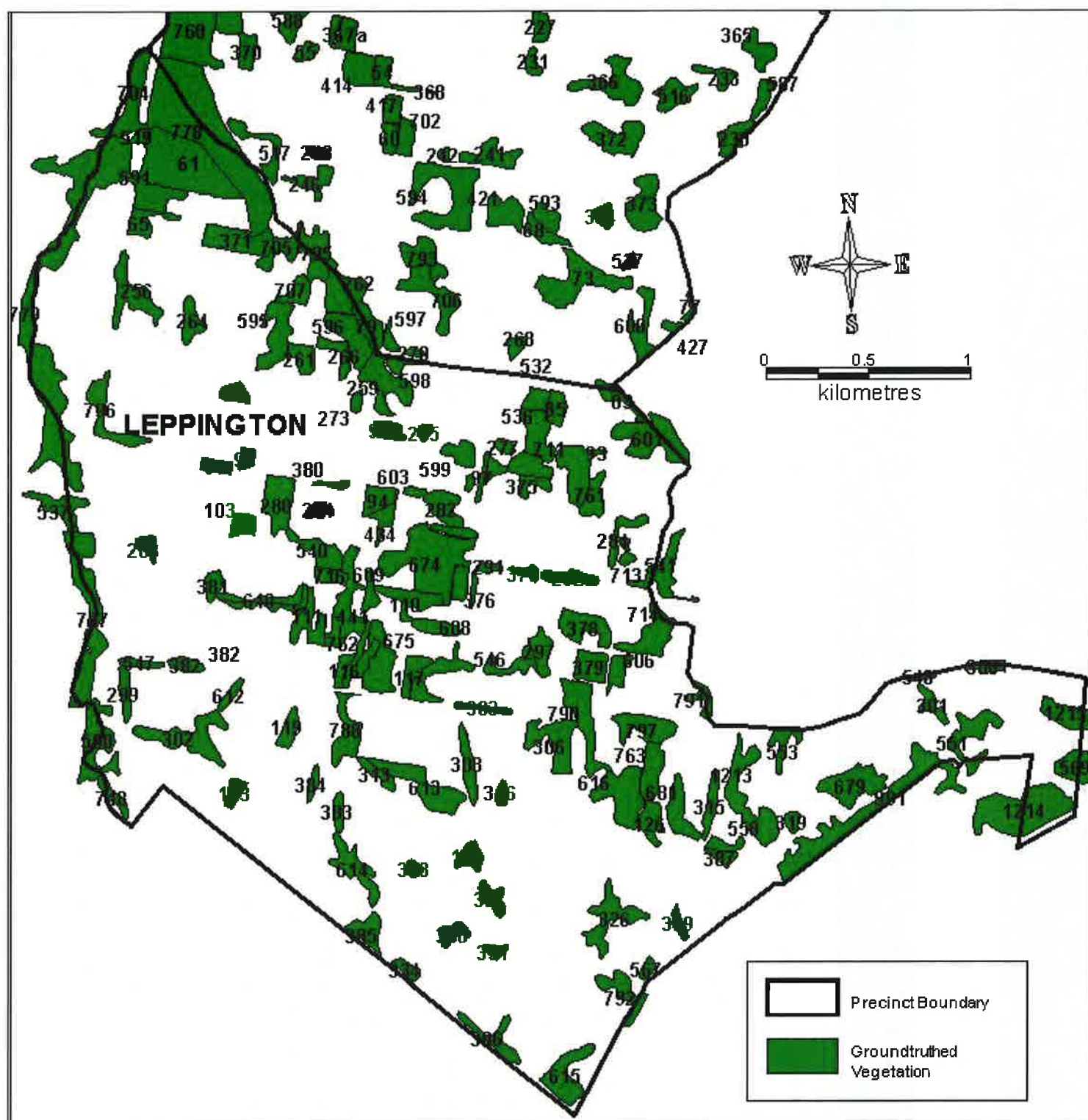


Figure 2 Location of Vegetation areas ground truthed in Leppington North (Site ID).

Site ID (Note 1)	Area	Vegetation Type	Perimeter / Area Ratio	Connectivity Score	Structural Score	GeoSpatial Score	Functional Conservation Value	Threatened Species Value	Recovery Potential Value	Total Ecological Value	Vegetation Community Quality
14	33.2750	Shale/Gravel Transition Forest	0.0089	49.60	50.00	49.71	149.31	115	125	389.308	High
27	2.6195	Shale Plains Woodland	0.0339	15.73	50.00	35.77	101.50	125	100	326.495	High
29	3.7733	Alluvial Woodland	0.0297	43.15	30.00	42.12	115.26	130	75	320.261	High
33	1.4157	Shale Plains Woodland	0.0342	14.11	33.85	29.23	77.19	100	50	227.190	Medium
36	2.1495	Shale Plains Woodland	0.0453	9.07	21.06	26.06	56.19	100	50	206.188	Medium
40	2.3129	Shale Plains Woodland	0.0294	40.73	29.55	37.02	107.30	100	50	257.296	Medium
44	2.6902	Shale Plains Woodland	0.0360	42.14	31.89	34.90	108.93	125	50	283.932	Medium
45	4.7785	Shale Plains Woodland	0.0230	28.23	16.19	46.83	91.24	100	25	216.239	Medium
46	1.1198	Shale Hills	0.0379	12.10	24.81	23.56	60.46	100	50	210.462	Medium

Site ID (Note 1)	Area	Vegetation Type	Perimeter / Area Ratio	Connectivity Score	Structural Score	GeoSpatial Score	Functional Conservation Value	Threatened Species Value	Recovery Potential Value	Total Ecological Value	Vegetation Community Quality
		Woodland									
54	1.1711	Alluvial Woodland	0.0404	11.49	37.88	22.60	71.97	80	75	226.973	Medium
55	0.7735	Shale Plains Woodland	0.0446	12.70	33.08	15.77	61.55	100	100	261.548	Medium
60	1.0693	Shale Plains Woodland	0.0423	8.06	32.18	19.71	59.96	100	50	209.956	Medium
61	9.9139	Shale Plains Woodland	0.0140	47.78	50.00	48.94	146.72	125	125	396.725	High
65	1.7761	Shale Plains Woodland	0.0442	22.18	28.08	24.71	74.97	100	50	224.966	Medium
68	1.4243	Alluvial Woodland	0.0457	30.04	37.69	22.02	89.75	80	25	194.752	Medium
73	5.3792	Shale Plains Woodland	0.0266	18.95	35.10	45.29	99.34	100	75	274.336	Medium
77	0.3973	Shale Hills Woodland	0.0913	10.69	12.92	2.12	25.72	100	25	150.721	Medium
79	1.9873	Alluvial Woodland	0.0307	38.91	35.87	34.52	109.30	100	125	334.296	High

Site ID (Note 1)	Area	Vegetation Type	Perimeter / Area Ratio	Connectivity Score	Structural Score	GeoSpatial Score	Functional Conservation Value	Threatened Species Value	Recovery Potential Value	Total Ecological Value	Vegetation Community Quality
83	1.5869	Shale Plains Woodland	0.0490	17.94	34.74	21.92	74.61	100	50	224.610	Medium
84	1.0293	Shale Plains Woodland	0.0401	10.08	21.12	20.87	52.07	100	50	202.068	Medium
85	1.3295	Shale Hills Woodland	0.0349	25.20	25.29	27.50	77.99	100	25	202.990	Medium
90	0.4323	Shale Plains Woodland	0.0616	5.85	30.10	5.00	40.94	100	25	165.943	Medium
93	0.1674	Shale Plains Woodland	0.1148	34.27	12.92	0.77	47.96	100	25	172.963	Medium
94	1.6385	Shale Plains Woodland	0.0327	6.45	30.74	31.54	68.73	100	100	268.727	Medium
96	0.7065	Shale Plains Woodland	0.0472	14.92	26.76	14.23	55.91	125	50	230.913	Medium
97	0.5571	Shale Hills Woodland	0.0986	24.60	12.92	3.75	41.27	100	25	166.267	Medium
98	0.8789	Shale Plains Woodland	0.0478	2.42	29.49	15.48	47.39	100	25	172.387	Medium
103	1.1544	Shale Plains Woodland	0.0377	11.29	36.22	24.33	71.84	100	25	196.835	Medium

Site ID (Note 1)	Area	Vegetation Type	Perimeter / Area Ratio	Connectivity Score	Structural Score	GeoSpatial Score	Functional Conservation Value	Threatened Species Value	Recovery Potential Value	Total Ecological Value	Vegetation Community Quality
110	2.4713	Shale Plains Woodland	0.0406	43.35	28.21	30.38	101.94	125	75	301.937	High
111	2.2952	Shale Plains Woodland	0.0482	29.84	34.62	25.38	89.84	100	75	264.839	Medium
116	0.8388	Alluvial Woodland	0.0570	40.52	39.49	10.87	90.88	75	100	265.877	Medium
117	1.4531	Shale Plains Woodland	0.0425	21.98	32.24	23.56	77.78	125	75	277.777	Medium
119	1.2329	Shale Plains Woodland	0.0400	0.20	36.35	23.17	59.72	100	100	259.721	Medium
123	0.9171	Shale Plains Woodland	0.0450	14.31	38.37	17.21	69.89	100	100	269.891	Medium
126	1.7956	Alluvial Woodland	0.0354	31.85	40.67	30.58	103.10	115	75	293.105	Medium
129	1.3727	Shale Plains Woodland	0.0352	3.43	38.43	27.69	69.55	100	75	244.549	Medium
181	0.9312	Shale Plains Woodland	0.0662	42.94	30.00	9.42	82.37	125	75	282.367	Medium
187	0.7656	Shale Plains Woodland	0.0520	40.32	12.92	12.50	65.74	100	25	190.743	Medium

Site ID (Note 1)	Area	Vegetation Type	Perimeter / Area Ratio	Connectivity Score	Structural Score	GeoSpatial Score	Functional Conservation Value	Threatened Species Value	Recovery Potential Value	Total Ecological Value	Vegetation Community Quality
191	0.8598	Shale Plains Woodland	0.0547	9.88	30.00	12.12	51.99	100	50	201.994	Medium
196	2.5254	Shale Plains Woodland	0.0397	33.06	38.37	31.35	102.78	125	75	302.776	High
201	0.2524	Shale Plains Woodland	0.0746	13.10	12.92	2.60	28.62	100	25	153.621	Medium
202	0.4958	Shale Plains Woodland	0.0545	12.30	12.92	8.75	33.97	100	25	158.968	Medium
203	2.6673	Shale Plains Woodland	0.0260	18.35	23.27	40.96	82.58	100	75	257.578	Medium
204	2.0214	Shale Plains Woodland	0.0641	45.16	12.92	18.46	76.54	100	25	201.543	Medium
205	0.4790	Alluvial Woodland	0.0872	26.21	12.92	3.46	42.59	62.5	25	130.091	Low
207	2.6148	Shale Plains Woodland	0.0409	28.83	29.55	30.58	88.96	100	25	213.959	Medium
208	0.6908	Shale Plains Woodland	0.0674	6.85	12.92	6.73	26.51	100	25	151.506	Medium
210	1.8780	Shale Hills Woodland	0.0348	23.19	28.01	31.83	83.03	100	50	233.025	Medium

Site ID (Note 1)	Area	Vegetation Type	Perimeter / Area Ratio	Connectivity Score	Structural Score	GeoSpatial Score	Functional Conservation Value	Threatened Species Value	Recovery Potential Value	Total Ecological Value	Vegetation Community Quality
212	1.0004	Shale Hills Woodland	0.0578	5.24	38.30	12.02	55.56	100	75	230.562	Medium
213	2.0335	Shale Hills Woodland	0.0385	23.59	35.74	29.52	88.85	100	100	288.845	Medium
215	1.2669	Shale Plains Woodland	0.0459	12.70	21.47	20.19	54.37	100	50	204.368	Medium
216	2.8153	Shale Plains Woodland	0.0260	24.40	26.76	41.44	92.60	100	75	267.600	Medium
217	1.1406	Shale Plains Woodland	0.0423	15.32	32.82	20.48	68.62	100	50	218.624	Medium
221	1.0673	Shale Plains Woodland	0.0394	13.31	12.92	21.83	48.05	100	25	173.053	Medium
227	1.0793	Shale Plains Woodland	0.0398	4.84	35.10	21.63	61.57	100	100	261.570	Medium
230	1.7142	Shale Plains Woodland	0.0349	4.44	36.35	30.58	71.36	100	75	246.359	Medium
231	0.7250	Shale Hills Woodland	0.0526	2.82	12.92	11.73	27.47	100	25	152.473	Medium
233	1.1275	Shale Plains Woodland	0.0510	6.65	12.92	16.54	36.11	100	25	161.112	Medium

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Site ID (Note 1)	Area	Vegetation Type	Perimeter / Area Ratio	Connectivity Score	Structural Score	GeoSpatial Score	Functional Conservation Value	Threatened Species Value	Recovery Potential Value	Total Ecological Value	Vegetation Community Quality
241	2.3533	Shale Plains Woodland	0.0370	23.79	23.49	32.02	79.30	100	75	254.303	Medium
242	0.3509	Shale Plains Woodland	0.0656	29.03	23.49	4.04	56.56	100	75	231.564	Medium
243	0.5949	Shale Plains Woodland	0.0510	3.83	30.74	11.44	46.01	100	50	196.010	Medium
246	1.6359	Shale Plains Woodland	0.0493	44.35	32.24	21.83	98.43	100	125	323.425	High
256	3.4797	Shale Plains Woodland	0.0373	4.64	12.92	36.25	53.81	100	25	178.807	Medium
259	0.6875	Alluvial Woodland	0.0558	19.56	30.10	9.62	59.27	62.5	25	146.768	Low
261	1.4746	Shale Plains Woodland	0.0363	17.14	35.38	28.37	80.89	100	75	255.887	Medium
262	0.1494	Shale Hills Woodland	0.1215	26.81	36.92	0.58	64.31	125	75	264.315	Medium
264	1.5384	Shale Plains Woodland	0.0383	0.20	12.92	27.21	40.33	100	25	165.333	Medium
266	1.4109	Shale Plains Woodland	0.0509	34.88	12.92	19.62	67.41	100	25	192.414	Medium

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