

Willoughby Natural Heritage Register - Stage 1: Artarmon database (14/12/2009-4/07/2014)

Refer to Stage 2: Artarmon database for additional listed items.

KEY

COLUMN 1: LAND DESCRIPTION: All property addresses are listed in alphabetical order under the street name and divided into three categories (colour coded):

Residential Properties and Schools

Road reserves, drainage easements and public pedestrian linkages

Public reserves

COLUMN 2: ITEM refers to a scheduled item assessed as having natural heritage values or significance as defined in the study (e.g. single tree, tree group, remnant community, sandstone outcrop or scarp, etc.).

COLUMN 3: ECOLOGICAL COMMUNITY and map units are in accordance with Benson & Howell (1994) in Cunninghamia 3(4) pp. 677-711, Royal Botanic Gardens, Sydney. The suburb of Artarmon retains remnant components of the former Blue Gum High Forest complex (BGHF/ 6b). BGHF is listed as a Critically Endangered Ecological Community (BCA 2016 & EPBCA 1999).

COLUMN 4: SPECIES = listed tree species - refer to **Key to Native Plant Species Schedule - Artarmon**.

COLUMN 5: AGE = estimated age of listed heritage tree/ item. These estimates are generally very conservative (eg. long lived species may be several decades older than estimates).

COLUMN 6: HEIGHT = estimated height (in metres)

COLUMN 7: SPREAD = estimated canopy diameter (in metres)

COLUMN 8: CONDITION refers to overall health, vigour and structure of scheduled tree(s). Description as 'regrowth' is used as a general reference to mesic shift/ level of disturbance and modification (incl. common tree/ shrub species such as *Pittosporum undulatum*, *Glochidion ferdinandi*, *Homalanthus populifolius*, etc).

COLUMNS 9-11: For a detailed explanation of ECOLOGICAL INTEGRITY, DURABILITY RANKING and CORRIDOR LINKAGES refer to *WCC Natural Heritage Register (2002)*.

COLUMN 12: EXISTING PROTECTION identifies legislative framework for protection (as of 4/07/2014). Refer to current Willoughby LEP.

COLUMN 13: NOTES includes additional information describing listed items, context and description of remnant native components.

The data for this study was collected by Noel Ruting, LandArc Pty Limited in two stages: **Stage 1 - 14/12/2009 and 4/07/2014**; and Stage 2 - 23/06/2015 and 29/01/2016.

Suburb: Artarmon

Ecological Communities: Blue Gum High Forest (6b) complex

Land Description	Item	Ecological Community	Species	Age Structure	Height [metres]	Spread [metres]	Condition	Ecological Integrity	Durability Ranking	Corridor Linkages	Existing Protection	Notes
Carlos Street - Residential Properties:												Survey Date: 7 Feb-11 Feb 2011
21 Carlos Street: rear garden/ adj. to timber deck & rear bdy. to No. 20A Weedon Rd	two trees	BGHF/ 6b	Ac [1] Ac [1]	?100-150+ 20-30+	8m 10m	5m 12m	see notes good	varies: 4-5 [mainly 5]	low	restricted	T&BPO	exotic garden; Ac [1]/ see notes - v.old growth spec./ massive base 1400mm DBH/ past ext. storm & insect damage, dead wood & basal cavities/ vigorous new growth/ leader - recommend arborist inspection; Ac [1]/ good -some dead wood; remnant native ferns [incl. <i>Calochlaena</i> sp.]; <i>Adiantum formosum</i> likely cultivated origin.
27 Carlos Street: rear garden/	single tree	BGHF/ 6b	Epil [1]	?100-150+	18m	25m	good	varies: 4-5	low	restricted	T&BPO	exotic garden; Epil [1]- v. old growth

adj. to rear bdy. No.24 Weedon Rd			[mainly 5]									multi-trunked spec./ massive base 1400mm DBH/ some insect damage/ pruning history/ high integrity values; dom. weeds [<i>Cinnamomum</i> , <i>Acer</i> , <i>Ochna</i> , <i>Tradescantia</i> spp.]; remnant native g/covers [incl. <i>Calochlaena</i> , <i>Oplismenus</i> spp.]; Pu regrowth.		
Godfrey Road - Residential Properties:												Survey Date: 7 Feb-11 Feb 2011		
2A Godfrey Road: rear garden/ adj. to bdy. No.2 Godfrey Rd	single tree	BGHF/ 6b	Es [1]	40-50+	16m	18m	fair	5	low	restricted	T&BPO	exotic garden; Es [1]- storm damage/ epicormic growth & some dead wood/ lower canopy heavily pruned/ possibly cultivated origin; no access.		
3 Godfrey Road: rear garden/ lawn area [adj. to Cordia Way]	single tree	BGHF/ 6b	Es [1]	60-80+	18m	16m	good	5	low	fragmented	T&BPO	exotic garden; Es [1]- multi-trunked/ storm damage/ some dead wood; <i>Callicoma serratifolia</i> X5 [10-15yrs+]/ all likely cultivated; remnant native g/covers [<i>Oplismenus</i> , <i>Dichondra</i> spp.]; weeds [incl. <i>Nephrolepis</i> , <i>Tradescantia</i> spp.].		
8 Godfrey Road: rear garden/ upper level adj. to rear bdy. to No.10 Shepherd Rd	single tree	BGHF/ 6b	Epa [1]	80-100+	12m	12m	good	5	low	fragmented	T&BPO	exotic garden; Epa [1]- old growth multi-trunked [6+] spec./ neighbour confirmed similar size 40yrs ago/ no access.		
11 Godfrey Road: rear garden/ lower slope adj. to bdy. to Cordia Way	tree group	BGHF/ 6b	Es [1] Epil [1] Gf [1]	?60-80+ 10-15+ 10-15+	18m 8m 6m	20m 5m 3m	good good good/ regrowth	5	low	fragmented	T&BPO	exotic garden; Es [1]- possibly old growth spec./ storm damage/ some dead wood; Epil [1]/ Gf [1]- likely self- sown/ natural regen.; <i>Backhousia</i> <i>myrtifolia</i> X1 [5-10yrs+/ 3m HT]- likely cultivated origin; dom. weeds [incl. <i>Cardiospermum</i> , <i>Anredera</i> , <i>Setaria</i> , <i>Nephrolepis</i> , <i>Tradescantia</i> spp.].		
14 Godfrey Road: rear garden/ adj. to rear bdy. No.6 Godfrey Rd	two trees	BGHF/ 6b	Ac [1] Ac [1]	80-100+ ?20-30+	12m 6m	16m 5m	good see notes	5	low	fragmented	T&BPO	exotic garden; Ac [1]- old growth multi-trunked spec./ owner confirmed pruning to fence height following storm damage (10yrs+)/ similar size 40yrs ago; Ac [1]/ see notes - epicormic/ lignotubers from old growth base; no remnant g/covers present.		
15 Godfrey Road: rear garden/ adj. to rear bdy. No.19 Onyx Rd	single tree	BGHF/ 6b	?Es [1]	20-30+	16m	8m	good	5	low	fragmented	T&BPO	exotic garden; ?Es [1]- likely cultivated origin; no access.		
Survey Date: 14 Mar-18 Mar 2011														
23 Godfrey Road: front garden/	single tree	BGHF/ 6b	Ac [1]	80-100+	12m	14m	good	5	low	restricted	T&BPO	exotic garden; Ac [1]-old growth spec./		

lawn area on upper slope												possibly much older/ 1200mm DBH/ some dead wood.
												Survey Date: 4 Apr-8 Apr 2011
29 Godfrey Road: rear garden/ lower slope adj. to rear bdy. No.22 Sydney St	single tree	BGHF/ 6b	Es [1]	?100-150+	25m	22m	good	5	low	fragmented	T&BPO	exotic garden; Es [1]-multi-trunk spec./ 1300mm DBH/ some dead wood & epicormic growth/ part of fragmented BGHF group [see listings- Godfrey Rd/ Sydney St]; Pu regrowth; dom.weeds/ competition w. mature <i>Cinnamomum</i> sp.; no access onto property.
31 Godfrey Road: rear garden/ mid- to lower slope	two trees	BGHF/ 6b	Es [1] Es [1] Cal [2]	60-80+ 40-50+ 30-40+	14m 18m 5-6m	16m 9m 4-5m	good good good	varies: 4-5 [mainly 5]	low	fragmented	T&BPO	exotic garden; Es X2- multi-trunked/ 600-900mm DBH/ some dead wood & pruning history; owner confirmed- large trees in 1970s/ part of larger fragmented BGFH group [see listings]; remnant native g/covers [<i>Dichondra</i> , <i>Oplismenus</i> spp.]; Cal [2]/ <i>Callicoma</i> <i>serratifolia</i> - likely planted; weeds [incl. <i>Celtis</i> , <i>Asparagus</i> , <i>Tradescantia</i> spp.].
												Survey Date: 14 Mar-18 Mar 2011
35 Godfrey Road: front garden/ lawn area	single tree	BGHF/ 6b	Ceg [1]	80-100+	6m	3m	good	varies: 4-5	low	restricted	T&BPO	exotic garden; Ceg [1]- old spec./ possibly cultivated origin; remnant native g/covers [<i>Austrodanthonia</i> sp.].
37 Godfrey Road: rear garden/ lower slope adj. to rear bdy. to reserve	two trees	BGHF/ 6b	Es [1] Es [1]	80-100+ 5-10+	25m 1.5m	25m 1m	good lopped/ regen.	5	low	fragmented	T&BPO	exotic garden; Es [1]- old growth spec./ 1000mm DBH; Es [1]/ sapling- possibly lignotuber growth; no access.
41 Godfrey Road: rear garden/ lower slope adj. to rear bdy. to reserve & bdy. No.39	single tree	BGHF/ 6b	Es [1]	60 -80+	14m	14m	see notes	5	low	fragmented	T&BPO	exotic garden; Es [1]- in lawn area/ lopped/ some dead wood & leaning trunk/ competition w. <i>Araucaria</i> sp.
43 Godfrey Road: rear garden/ lower slope adj. to bdy. No.45 & rear bdy. to reserve	two trees	BGHF/ 6b	Es [1] Es [1]	80-100+ 20-30+	14m 16m	9m 10m	see notes good	5	low	fragmented	T&BPO	exotic garden/ lawn; Es [1]- old growth spec./ storm damaged crown/ insect damage, dead wood & cavities/ past pruning; Es [1]/ immature- some dead wood; part of larger BGFH group in reserve & adj. properties [see listings].
45 Godfrey Road: rear garden/ lower slope adj. to rear bdy. to reserve	two trees	BGHF/ 6b	Ac [1] Es [1]	60-80+ 50-60+	12m 16m	9m 12m	fair fair	5	low	fragmented	T&BPO	exotic garden/ lawn; Ac [1]/ fair- ext. dead wood; Es [1]/ fair- leaning trunk w. epicormic growth; remove mesh trellis on Ac trunk & <i>Wisteria</i> sp./ vine on both trees; part of BGFH group in reserve & adj. properties [see listings]; weeds [incl. <i>Ligustrum</i> , <i>Phoenix</i> spp.].

47 Godfrey Road: rear garden/ lower slope adj. to rear bdy. to reserve & bdy. to No.49	two trees	BGHF/ 6b	Es [1] Es [1]	40-50+ 30-40+	18m 7m	16m 9m	good poor/ lopped	5	low	fragmented	T&BPO	exotic garden; Es [1]/ good- some dead wood; Es [1]/ poor/ lopped- ext. dead wood; part of larger BGHF group in reserve & adj. properties; weeds [incl. <i>Anredera</i> , <i>Tradescantia</i> spp.].
49 Godfrey Road: rear garden/ lower slope adj. to rear bdy. to reserve & bdy. to No.51	single tree	BGHF/ 6b	Es [1]	?100-150+	22m	25m	good	5	low	fragmented	T&BPO	exotic garden; Es [1]- multi-trunk v.old growth spec./ massive base 1700mm DBH/ some dead wood & lopping history; part of larger BGHF group in reserve & adj. properties [see listings]; dom. weeds [<i>Tradescantia</i> spp.].
55 Godfrey Road: front garden/ adj. to front bdy.	single tree	BGHF/ 6b	Es [1]	20-30+	14m	15m	good	5	low	restricted	T&BPO	Es [1]- likely cultivated origin (unknown provenance); other generic native planting [incl. <i>Eucalyptus nicholii</i>].
Marlow Road - Public Reserves:												Survey Date: 14 Mar-18 Mar 2011
Marlow Road Reserve Marlow Road Reserve is a small linear reserve separated into two main portions: landscaped [Areas A-B: lower slope/ south of Marlow Road cul-de-sac] and remnant bushland [Area C: upper slope/ gully north of Marlow Road cul-de-sac]. The remnant bushland portion is not scheduled SEPP 19. The reserve is bordered by residential development.												
Area A: lower southern slope [below Marlow Rd cul-de-sac]	tree group	BGHF/ 6b	Es [4] Ac [1] Es[6]/ Epil[1] Al [5]	60-80+ 60-80+ 10-20+ 10-20+	16-22m 12m up to 6-12m up to 6-8m	16-20m 12m varies varies	see notes good good good	5	low	fragmented	T&BPO	highly modified/ mown grass; dom. exotics/ weeds [<i>Pinus radiata</i> [group], <i>Cinnamomum</i> , <i>Celtis</i> , <i>Tradescantia</i> , <i>Ipomoea</i> , <i>Asparagus</i> , <i>Ehrharta</i> spp.]; significant remnant native BGHF tree group/ part of larger highly fragmented group extending to adj. properties [see listings]; Es [9]/ [dom.] 600-800mm DBH/ varying condition/ some storm- damaged crowns & dead wood w. insect damage & cavities evident. Epil [1]/ fair- multi-trunk spec.; Es X1/ 600mm DBH- recently removed. Es/ Epil/ Al (10-20+)- likely cultivated origin (unknown provenance); some remnant native g/covers assoc. w. Area B/ BGHF group [incl. <i>Geranium</i> <i>homeanum</i> , <i>Cayratia clematidea</i> , <i>Pseuderanthemum</i> , <i>Oplismenus</i> , <i>Dichondra</i> spp.]; gen. native planting [Bint, <i>Euc. grandis</i> , <i>Casuarina</i> spp.].
Area B: upper southern slope [below Marlow Rd cul-de-sac/ adj. to rear bdy. Nos. 45-49 Godfrey Rd]			Es [4] Es [1] Ac [1] Epil [1]	30-50+ 20-30+ 40-50+ 50-60+	16-22m 9m 12m 12m	12-16m 9m 9m 16m	see notes see notes good fair	varies: 4-5 [mainly 5]				
Area C: remnant bushland- upper slope and gully [north of Marlow Rd cul-de-sac]	tree group remnant community	BGHF/ 6b	Ac [dom.] Ere [1] Ere [1]	up to 80-100+ 80-100+ 60-80+	up to 16m 12m 14m	up to 16m 9m 9m	see notes poor good	varies: 3-5	medium-low	contiguous	T&BPO	modified/ disturbed & fragmented transitional community/ high sandstone influence; significant remnant native

Ac	<5	<1m	<1m	good/ regen.
Er	up to 5-10+	<2m	1-2m	good
Gf	up to 5-10+	<2m	<1m	good
Ps	?up to 20-30+	up to 2-3m	varies	good
Sg	up to 10-20+	up to 8-12m	up to 4-5m	good
Epu	up to 10-15+	up to 8-10m	varies	varies
At	up to 5-10+	up to 3-4m	varies	good

group/ community- Ac [dom.]/ Ere [2]
incl. old growth specs; Ac age structure
av. 40-80yrs+ inter-mixed/ overlaid
w. generic native planting [*Eucalyptus grandis* (dom.)/incl. self-sown saplings
Euc. microcorys, *Casuarina glauca*,
Melaleuca spp.] & local native planting
(unknown provenance) [Sg/ Epu/ At-
E. punctata, *Syncarpia glomulifera*,
Allocasuarina torulosa & *Banksia*,
Hakea, *Kunzea*, *Acacia* spp.]/- likely
planted; significant native biodiversity
values; remnant native understorey/
dom. on upper slope [incl. *Polyscias
sambucifolia* (dom.), *Homalanthus*,
Platylobium formosum, *Dianella
caerulea*/ *D. revoluta*, *Davallia solida*
var. *pyxidata*, *Glycine microphylla*,
Pseuderanthemum, *Austrodanthonia
bipartita*, *A. tenuior*, *Microlaena*,
Oplismenus spp.]/ *Grevillea linearifolia*,
Ozothamnus spp.- possibly planted;
Pu regrowth; recommend SEPP 19
listing; varying level of exotic weeds
[incl. *Cinnamomum*, *Ligustrum*, *Celtis*,
Ochna, *Asparagus*, *Tradescantia*,
Ehrharta spp.].

For Shepherd Road unmade road reserve listings [contiguous with Marlow Road Reserve] refer to Shepherd Road - Road Reserves, Drainage Easements & Public Pedestrian Linkages.

Onyx Road - Residential Properties:

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11 Onyx Road: rear garden/ adj. to rear bdy. No.16 Sydney St	single tree	BGHF/ 6b	Ac [1]	40-50+	16m	9m	good	varies: 4-5 [mainly 5]	low	fragmented	T&BPO	exotic garden; Ac [1]- in lawn area; remnant native g/covers [<i>Dichondra</i> , <i>Oplismenus</i> , <i>Microlaena</i> spp.]; generic native planting [incl. <i>Euc. microcorys</i> on bdy./ in 9 Onyx Rd].
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Survey Date: 7 Feb-11 Feb 2011

21A Onyx Road: front garden/ adj. to entry to house/ front bdy. upper embankment to front bdy.	tree group	BGHF/ 6b	Epil [1] Ac [1] Epil [1]	?100-150+ 30-40+ 60-80+	22m 8m 22m	30m 9m 12m	good good good	5	low	fragmented	T&BPO	exotic garden; Epil [1]- v. old growth multi-trunk spec./ 1200mm DBH/ high integrity values; no access.
rear garden/ lower slope adj. to bdy. to Cordia Way & bdy. to No.21 Onyx Rd			Ac [2]	60-80+	16-18m	7-10m	good					Ac [2]- some pruning; highly significant remnant native tree group/ part of larger fragmented BGHF group [see Cordia Way & adjoining listings]; Pu regrowth; no native g/covers.

23 Onyx Road: rear garden/ adj. to bdy. to Cordia Way & bdy. to No.25 Onyx Rd	single tree	BGHF/ 6b	Es [1]	10-15+	9m	4m	good	5	low	fragmented	T&BPO	exotic garden; Es [1]- likely cultivated origin; generic native planting [incl. <i>Eucalyptus grandis</i>]; no access.
Onyx Road - Road Reserves, Drainage Easements & Public Pedestrian Linkages:												Survey Date: 7 Feb-11 Feb 2011
<i>For Cordia Way listings [between Onyx Road and Smith Road] refer to Smith Road - Road Reserves, Drainage Easements & Public Pedestrian Linkages.</i>												
<i>For Ac old growth specimen on upper embankment/ verge adj. to 21A Onyx Road refer to Cordia Way listing [eastern section].</i>												
Selwyn Street - Residential Properties:												Survey Date: 14 Feb-18 Feb 2011
16 Selwyn Road: rear garden/ lawn area adj. to bdy. No.18 Selwyn St	single tree	BGHF/ 6b	Sg [1]	?100-150+	12m	12m	good	5	low	restricted	T&BPO	exotic garden; Sg [1]- v. old growth multi-trunk [3] spec./ lignotuber growth off old base/ high integrity value.
17 Selwyn Road: front garden/ upper embankment adj. to front boundary wall	two trees	BGHF/ 6b	Epil [1] Epil [1]	100-150+ 5-10+	16m 3m	25m 2m	good good/ regen.	5	low	restricted	T&BPO	terraced exotic garden/ embankment; current construction works to house; Epil [1]- v. old growth multi-trunk spec. in visually prominent elevated position/ 1500mm DBH/ high integrity values/ outstanding form and scale/ remnant native canopy tree of BGHF/ damage to front bdy. wall; Epil [1]/ sapling [adj. to steps]- likely natural regen./ seed source- old growth parent tree on site; Pu regrowth; generic & local native planting [incl. <i>Eucalyptus sideroxylon</i> [8m HT], <i>Elaeocarpus</i> , <i>Acacia</i> spp.]; <i>Dianella</i> sp.-likely cultivated origin; weeds [<i>Cinnamomum</i> , <i>Cotoneaster</i> , <i>Olea</i> , <i>Genista</i> , <i>Ochna</i> , <i>Asparagus</i> , <i>Nephrolepis</i> , <i>Ehrharta</i> spp.]; no remnant native g/covers evident.
Shepherd Road - Residential Properties:												Survey Date: 14 Feb-18 Feb 2011
8 Shepherd Road: rear garden/ adj. to bdy. No.10 Shepherd Rd	single tree	BGHF/ 6b	Ac [1]	80-100+	14m	12m	good	5	low	fragmented	T&BPO	exotic garden; Ac [1]- old growth spec./ some dead wood/ pruning; also generic native planting [incl. <i>Corymbia citriodora</i> / front garden]; no access.
13 Shepherd Road: rear garden/ adj. to bdy. No.15 Shepherd Rd & No.10 Selwyn Rd	single tree	BGHF/ 6b	Ac [1]	80-100+	12m	9m	good	5	low	restricted	T&BPO	exotic garden; Ac [1]- old growth multi-trunk [3]/ 1 X lopped to base; some insect damage; no access.
17 Shepherd Road: rear garden/ lawn area	single tree	BGHF/ 6b	Epil [1]	20-30+	14m	8m	good	5	low	restricted	T&BPO	exotic garden; Epil [1]- some pruning; possibly cultivated origin; no access.
43 Shepherd Road: front garden/ adj. to bdy. No.45 Shepherd Rd	single tree	BGHF/ 6b	Epa [1]	60-80+	9m	14m	good	5	low	restricted	T&BPO	exotic garden; Epa [1]- likely remnant native BGHF group/ assoc. w. Ceg X1

												[see listing No.45]; also generic native planting [incl. <i>Corymbia citriodora</i>].
45 Shepherd Road: front garden/ adj. to bdy. No.43 Shepherd Rd	single tree	BGHF/ 6b	Ceg [1]	?60-80+	4m	1-3m	good	5	low	restricted	T&BPO	exotic garden; Ceg [1]- multi-stemmed group [4]/ likely single tree/ assoc. w. remnant Epa X1 [see listing No.43].
Shepherd Road - Road Reserves, Drainage Easements & Public Pedestrian Linkages:												Survey Date: 14 Mar-18 Mar 2011
<i>Note: Road reservation contains examples of cultivated local natives of unknown provenance which are not included in this schedule.</i>												
Shepherd Road: unmade road reserve between Godfrey Road & Sydney Street [western portion between Nos.35 & 37 Godfrey Road]	tree group	BGHF/ 6b	Epa [1] Es [1]	60-80+ 60-80+	15m 22m	15m 22m	good good	varies: 4-5 [mainly 5]	low	restricted	T&BPO	highly disturbed/ modified community; open mown grass; Epa [1]- multi-trunk spec. on upper western slope/ adj. to No.35 Godfrey Rd; some remnant native g/covers [<i>Austrodanthonia</i> sp.]. Es [1]- on lower slope/ gully; possibly older/ some dead wood in crown.
eastern portion between 30 & 32 Sydney Street [lower slope]			Eclo [1] Eclo [1] Al [2] Cgu [1]	?50-60+ ?50-60+ 15-20+ <5	15m 12m 6-10m 3m	7m 9m 6-7m 2m	good good good good					2 X <i>Eucalyptus cloeziana</i> [Eclo]- multi-stemmed regrowth off bases/ cultivated origin; native g/covers present at bases cultivated- [<i>Microlaena</i> , <i>Dichondra</i> spp.]; other generic native planting on upper slope [Al/ Cgu/ Er, <i>Eucalyptus grandis</i> (10+/-dom.group), <i>Acacia</i> sp.]/ all likely cultivated; exotics/ weeds.
<i>For Marlow Road Reserve listings [contiguous with Shepherd Road unmade road reserve & adjoining rear property boundaries] refer to Marlow Road - Public Reserves.</i>												
Smith Road - Residential Properties:												Survey Date: 7 Feb-11 Feb 2011
11 Smith Road: front garden/ adj. to front bdy. fence	single tree	BGHF/ 6b	Es [1]	?100-150+	18m	25m	good	5	low	fragmented	T&BPO	exotic garden; Es [1]- v. old growth multi-trunk spec./ massive base 1800mm DBH/ past insect damage w. cavity in old section/ storm damaged regrowth/ some pruning history/ recommend removing/ controlling <i>Monstera</i> sp. on base.
20 Smith Road: front garden/ lower eastern slope adj. to driveway	tree group	BGHF/ 6b	Epil [1] Pu [2] Ceg [1]	50-60+ 80-100+ 60-80+	18m 7-8m 5m	12m 9-14m 6m	good good good	5	low	fragmented	T&BPO	exotic garden/ embankment adj. to Cordia Way; Epil [1]-some dead wood/ storm damage; Pu [2]- incl. 1 X old growth; Ceg [1]- possibly planted.
rear garden/ lower eastern slope			Epil [3]	20-40+	18-20m	8-10m	good					Epil [3]- group possibly planted; Pu regrowth; <i>Elaeocarpus reticulatus</i> X2
upper level adj. to rear bdy. No.13 Weedon Rd			Ac [1]	?100-150+	12m	16m	good					[5-10yrs+]- all restoration planting. Ac [1]- old growth spec.; no access; group is part of significant fragmented native BGHF group within/ adj. to Cordia Way [see other listings].
22 Smith Road: front garden/	tree group	BGHF/ 6b	Ac [1]	80-100+	18m	20m	good	5	low	fragmented	T&BPO	exotic garden/ lawn; Ac [1]- old growth

adj. to bdy. No.24 Smith Rd													specimen; no access.
west garden adj. to Cordia Way			Epil [1]	20-30+	18m	12m	good						Epil [1]- possibly planted; Ac [1]/ see
rear garden/ western courtyard [cut-out in timber deck]			Ac [1]	60-80+	16m	12m	see notes						notes - leaning trunk/ vigorous crown growth; group is part of a significant remnant native BGHF group within/ adj. to Cordia Way [see other listings]; <i>Elaeocarpus reticulatus</i> X5 [5-10yrs+] all cultivated origin.
23 Smith Road: front garden/ lawn area [Smith Road frontage] [aka. 20A Shepherd Road]	single tree	BGHF/ 6b	Epa [1]	?100-150+	18m	18m	good	5	low	restricted	T&BPO		exotic garden/ lawn; Epa [1]- adj. to north bdy.wall/ fence; old growth spec. possibly much older/ 1300mm DBH; no remnant native g/covers evident.
Survey Date: 14 Feb-18 Feb 2011													
40 Smith Road: rear garden/ lower slope/ gully adj. to rear bdy. No.12 Stewart St	single tree	BGHF/ 6b	Epil [1]	?100-150+	30m	30m	good	5	low	restricted	T&BPO		exotic garden; Ac [1]- v. old growth multi-trunked spec./ 1300mm DBH outstanding form & scale/ high integrity values; generic native planting [incl. <i>Acacia elata</i>]; no remnant native g/covers evident; no access.
44 Smith Road: rear garden/ lawn area on lower slope/ adj. to rear bdy. No.10 Stewart St	single tree	BGHF/ 6b	Es [1]	80-100+	22m	25m	good	5	low	restricted	T&BPO		exotic garden; Ac [1]- likely old growth specimen/ some pruning; no access.
46 Smith Road: rear garden/ lower slope/ adj. to rear bdy. No.8 Stewart St	single tree	BGHF/ 6b	Pu [1]	80-100+	9m	12m	good	5	low	restricted	T&BPO		exotic garden; Pu [1]-old growth spec./ under canopy of Es X1 [see adjoining listing for No.44 Smith Rd.].
Smith Road - Road Reserves, Drainage Easements & Public Pedestrian Linkages:													Survey Date: 7 Feb-11 Feb 2011
<i>Note: Road reservation contains examples of cultivated local natives of unknown provenance which are not included in this schedule.</i>													
Cordia Way: pedestrian/ bikepath right-of-way & drainage reserve [western section between Nos.15 & 17 Weedon Rd & Nos.20 & 22 Smith Rd]	tree group	BGHF/ 6b	Epil [1] Ac [1]/ Es [1] Epil [2] Er [2]	50-60+ <10 5-15+ <10	22m <3m 5-8m <2m	12m <2m 1-3m <1m	good good varies fair/ damaged	5	low	fragmented	T&BPO		Epil [1]- part of larger fragmented BGHF group [see adjoining listings]; highly disturbed/ modified community; mulched beds/ restoration strategy/ planting [incl. Ac/ Es/ Epil/ Er saplings [<10-15yrs]/ also <i>Indigofera</i> , <i>Clematis</i> , <i>Lomandra</i> , <i>Dianella</i> spp./all unknown provenance]; generic native planting [incl. <i>Eucalyptus haemastoma</i> X2]; restricted suite of remnant natives/ mesic regrowth [incl. <i>Homalanthus</i> , <i>Commelina</i> , <i>Dichondra</i> spp.].
Cordia Way: pedestrian/ bikepath right-of-way & drainage reserve [eastern section between	tree group	BGHF/ 6b	Ac [1] Epil [1] Ac [1]	80-100+ 80-100+ ?100-150+	16m 20m 18m	16m 25m 22m	good good good	varies: 4-5 [mainly 5]	low	fragmented	T&BPO		Ac [1]- adj. to rear bdy. 21 Onyx Rd; Epil [1]- adj. to rear bdy. 21A Onyx Rd; Ac [1]- upper embankment/ adj. to

Nos.11 & 13 Smith Rd & Nos.19 & 21A Onyx Rd]			Es/ Epil Cal/ Er Epil/ Es Ac/ Af	10-15+ 5-15+ <5 <5	4-9m <4m up to 1-2m up to 1-2m	varies varies <1m <1m	varies varies good good						front bdy. 21A Onyx Rd; significant old growth group/ part of larger fragmented BGHF group [see other listings]; highly disturbed/ modified community; mulched beds; past gen. & local native planting/ current restoration strategy [incl. Es/ Epil/ Ac/ Af saplings [up to 10-15yrs+]/ Acacia, Callicoma, Elaeocarpus, Callistemon, Banksia, Indigofera, Polyscias, Gahnia Lomandra, Dianella, Microlaena, Themeda, Imperata spp.]/ (unknown provenance); generic native planting [incl. Eucalyptus grandis/ E. elata, Syzygium spp.]; remnant native ferns [Calochlaena sp.]/ mesic regrowth [Homalanthus, Commelina, Imperata, Geranium, Oplismenus, Dichondra spp.]; Pu regrowth; exotics/ weeds [Cinnamomum, Erythrina, Acetosa, Tradescantia spp.].	
mown grass verge: adj. to front bdy. No.21 Smith Road			single tree	BGHF/ 6b	Ac [1]	?100-150+	9m	15m	good	varies: 4-5 [mainly 5]	low	restricted	T&BPO	Ac [1]- old growth multi-trunked spec./ sculptural form/ possibly much older 1700mm DBH/ some cavities present; dom. exotics/ weeds [incl. Ehrharta, Stenotaphrum spp.]; remnant native grasses [incl. Austrodanthonia sp.].
Stafford Road - Residential Properties:													Survey Date: 14 Feb-18 Feb 2011	
28 Stafford Road: rear garden/ upper lawn area embankment			two trees	BGHF/ 6b	Ac [1] Ac [1] Pu	?100-150+ ?100-150+ up to 30-40+	12m 12m 6-7m	22m 12m varies	good good good/ regrowth	5	low	restricted	T&BPO	exotic garden; Ac [1]- v. old growth multi-trunked w.outstanding sculptural form spec./ massive 1350mm DBH/ minor pruning/ high integrity values Ac [1]/ smaller spec. likely same age; both trees significant remnant BGHF; Pu regrowth on embankment; weeds [Olea sp.]; also generic native planting; no remnant native g/covers evident.
34 Stafford Road: front garden/ upper terraced embankment adj. to entry steps & front bdy.			single tree	BGHF/ 6b	Epa [1]	?100-150+	20m	20m	good	5	low	restricted	T&BPO	exotic garden; Ac [1]- v. old growth multi-trunked [3] spec./ outstanding form/ massive 1600mm diam. base at GL/ high integrity values; control/ remove Wisteria sp. in lower canopy.

38 Stafford Road: west garden/ [Stewart Street frontage]	two trees	BGHF/ 6b	Ceg [1] Ceg [1]	80-100+ 50-60+	6m 3m	4m 4m	good good	5	low	restricted	T&BPO	exotic garden/ Ceg [1]- old growth/ both trees possibly planted; native g/cover [<i>Oplismenus</i> sp.]; no access.
50 Stafford Road: front garden/ western lawn area	two trees	BGHF/ 6b	Ac [1]	?100-150+	12m	14m	good	varies: 4-5 [mainly 5]	low	restricted	T&BPO	exotic garden/ large block; Ac [1]- v. old growth specimen/ sculptural form; Ac [1]- old growth/ some dead wood/ vigorous dense crown; remnant native g/covers at bases of Ac X2 [incl. <i>Austrodanthonia tenuior</i> , <i>Dichondra</i> sp.]; also generic native planting [incl. <i>Euc. microcorys</i>]; weeds [<i>Ligustrum</i> , <i>Cinnamomum</i> , <i>Senna</i> , <i>Nephrolepis</i> , <i>Ochna</i> , <i>Asparagus</i> spp.].
rear garden/ lawn area adj. to rear bdy. No.11 Stewart St			Ac [1]	80-100+	12m	12m	good					
Stewart Street - Residential Properties:												Survey Date: 14 Feb-18 Feb 2011
6 Stewart Street: rear garden	single tree	BGHF/ 6b	Es [1]	10-15+	14m	7m	good	5	low	restricted	T&BPO	exotic garden; Es [1]- cultivated origin/ (unknown provenance)/ confirmed by owner.
12 Stewart Street: rear garden/ lower slope	single tree	BGHF/ 6b	Egl [1] Ceg [1]	?60-80+ 80-100+	16m 6m	12m 5m	good see notes	varies: 4-5 [mainly 5]	low	restricted	T&BPO	exotic garden/ large sloping block; Egl [1]-possibly old growth spec./ past pruning; Ceg [1]- old growth spec./ possibly planted/ basal cavity; ext. gen. native planting [mature <i>Eucalyptus</i> <i>punctata</i> X2 [18-22m HT]/ <i>Backhousia</i> <i>myrtifolia</i> , <i>Acacia parramattensis</i> , <i>Aphenopetalum</i> spp.]; remnant native g/cover [<i>Oplismenus</i> , <i>Dichondra</i> spp.]; Pu regrowth.
Sydney Street - Residential Properties:												Survey Date: 4 Apr-8 Apr 2011
14 Sydney Street: rear garden/ adj. to bdy. No.5 Onyx Rd	single tree	BGHF/ 6b	Gf [1]	30-40+	8m	7m	good	5	low	fragmented	T&BPO	exotic garden/ lawn; Gf [1]- on lower slope; mesic regrowth.
16 Sydney Street: rear garden/ mid-slope adj. to rear bdy. No.14 Sydney St/ 7 Onyx Rd	two trees	BGHF/ 6b	Epa [1]	?100-150+	22m	18m	good	5	low	fragmented	T&BPO	exotic garden; Epa [1]- multi-trunked/ v. old growth specimen in lawn area.
lower slope adj. to rear bdy. No.23 Godfrey Rd			Ac [1]	60-80+	18m	15m	good					Ac [1]- multi-trunk spec./possibly older- competition w. exotics [<i>Cedrus</i> / <i>Pinus</i> spp.]; part of fragmented BGHF group [see listings- Sydney St/ Godfrey Rd]; no access onto property.
18 Sydney Street: rear garden/ lower slope adj. to rear bdy. No.25 Godfrey Rd	two trees	BGHF/ 6b	Ac [1] Gf [1]	?100-150+ 50-60+	16m 9m	18m 8m	fair good	5	low	fragmented	T&BPO	exotic garden/ lawn; Ac [1]- multi-trunk old growth specimen/ ext. dead wood/ competition w. mature <i>Cinnamomum</i> sp.; part of larger fragmented BGHF

												group [see listings]; no access.
20 Sydney Street: rear garden/ lower slope adj. to rear bdy. No.27 Godfrey Rd	single tree	BGHF/ 6b	Es [1]	60-80+	16m	12m	see notes	5	low	fragmented	T&BPO	exotic garden; Es [1]- storm damaged crown/ cavities w.bracket fungi on mid to lower trunk/ dense weed growth/ competition w. mature <i>Cinnamomum</i> sp.; part of larger fragmented BGHF group [see listings]; no access.
22 Sydney Street: rear garden/ mid-slope adj. to bdy. No.20 Sydney St	two trees	BGHF/ 6b	Ac [1] Epa [1]	60-80+ 60-80+	15m 15m	15m 10m	good see notes	5	low	fragmented	T&BPO	exotic garden; Ac [1]- multi-trunked/ some dead wood; Epa [1]- storm damaged crown/ some dead wood; trees part of fragmented BGHF group [see listings- Sydney St/ Godfrey Rd]; Pu regrowth; competition w. mature <i>Cinnamomum</i> sp./ dom. weeds [incl. <i>Ligustrum</i> , <i>Phoenix</i> , <i>Ailanthus</i> , <i>Tradescantia</i> spp.]; no access.
26 Sydney Street: rear garden/ lower slope/ lawn area	single tree	BGHF/ 6b	Ac [1]	?100-150+	20m	22m	good	varies: 4-5 [mainly 5]	low	fragmented	T&BPO	exotic garden; Ac [1]- multi-trunk v. old growth specimen/ 1300mm DBH/ major pruning to lower branches; part of larger fragmented BGHF group [see listings- Sydney St/ Godfrey Rd]; Pu regrowth; remnant native g/covers [<i>Oplismenus</i> , <i>Pratia</i> , <i>Dichondra</i> spp.]; competition w. exotics/ weeds [incl. <i>Phoenix</i> , <i>Ligustrum</i> spp.].
Survey Date: 14 Mar-18 Mar 2011												
32 Sydney Street: rear garden/ lower slope adj. to rear bdy. to reserve	single tree	BGHF/ 6b	Es [1]	80-100+	25m	16m	see notes	5	low	fragmented	T&BPO	exotic garden; Es [1]- multi-trunk old growth spec./ 1200mm DBH/ storm damaged crown w.epicormic growth/ some dead wood/ remove <i>Hedera</i> sp. on trunk; part of larger BGHF group in reserve & adj. properties [see Godfrey Rd & Sydney St listings]; weeds [incl. <i>Cinnamomum</i> , <i>Ligustrum</i> spp.].
44 Sydney Street: rear garden/ elevated adj. to bdy. Marlow Rd cul-de-sac	single tree	BGHF/ 6b	Ac [1]	?100-150+	9m	18m	good	5	low	restricted	T&BPO	Ac [1]- v. old growth spec./ outstanding sculptural form/ multi-trunked; generic & local native planting [Er/ <i>Acacia</i> sp.].
Tindale Road - Residential Properties:												Survey Date: 14 Feb-18 Feb 2011
47 Tindale Road: rear garden/ adj. to bdy. No.61 Shepherd Rd	single tree	BGHF/ 6b	Ceg [1]	80-100+	6m	4m	good	5	low	restricted	T&BPO	exotic garden/ Ceg [1]- old growth/ possibly planted; some dead wood.
Weedon Road - Residential Properties:												Survey Date: 7 Feb-11 Feb 2011

14 Weedon Road: rear garden/ upper lawn area	single tree	BGHF/ 6b	Ac [1]	?100-150+	9m	16m	good	5	low	restricted	T&BPO	exotic garden; Ac [1]- v. old growth multi-trunked spec./ 1200mm DBH/ some dead wood/ epicormic growth on branches; pre-dates house built in 1919 [owner confirmed].
15 Weedon Road: rear garden/ lower east embankment [adj. to Cordia Way] <hr/>	tree group	BGHF/ 6b	Ac [1] Ac [1]	80-100+ 40-50+	18m 18m	20m 8m	good good	5	low	fragmented	T&BPO	exotic garden/ embankment; Ac [1]-old growth multi-trunk spec.; Ac X2-competition w. exotics [<i>Taxodium</i> sp.] & generic native planting [<i>Corymbia citriodora</i>]; group is part of significant remnant native BGHF group within/ adj. to Cordia Way [see other listings]; Pu regrowth; dom. weeds [<i>Ligustrum</i> , <i>Cinnamomum</i> , <i>Cotoneaster</i> , <i>Ipomoea</i> , <i>Tradescantia</i> spp.]; no access.
upper slope adj. to bdy. No. 13 Weedon Rd & rear bdy. No.20 Smith Road			Ac [1]	60-80+	14m	8m	good					
17 Weedon Road: rear garden/ adj. to rear bdy. [between tennis court fencing & bdy. to No.24 Smith Road]	two trees	BGHF/ 6b	Es [1] Ac [1]	?100-150+ 80-100+	30m 22m	30m 16m	good good	5	low	fragmented	T&BPO	exotic garden; Es [1]- v. old growth spec./ 1200mm DBH/ high integrity values; Ac [1]-old growth spec./ some pruning to lower canopy/ competition w. <i>Cinnamomum</i> sp.; dom. weeds; Pu regrowth.
20A Weedon Road: front garden/ adj. to right-of-way & bdy. to No. 20B Weedon Rd	two trees	BGHF/ 6b	Ac [1] Ac [1] Gf	60-80+ 30-40+ <5	10m 9m <1m	10m 8m <0.5m	see notes fair good/ regen.	5	low	restricted	T&BPO	exotic garden; Ac [1]/ see notes - old growth specimen/ owner confirmed large tree in 1972 [before subdivision]/ damaged trunk w. some dead wood/ vigorous/ dense crown regrowth; Ac [1]/ fair-ext. crown die-back/ dead wood/ epicormic growth; some mesic regen,/ regrowth [incl. <i>Glochidion</i> , <i>Homalanthus</i> spp.]; generic native planting [incl. <i>Corymbia citriodora</i>].
21 Weedon Road: rear garden/ lawn area	single tree	BGHF/ 6b	Es [1]	60-80+	16m	20m	good	5	low	restricted	T&BPO	exotic garden; Es [1]- possibly older/ old growth; multi-trunk spec.[2]/ est. 900mm DBH/ no access.
Weedon Road - Road Reserves, Drainage Easements & Public Pedestrian Linkages:												Survey Date: 7 Feb-11 Feb 2011
For Cordia Way listings [between Weedon Road and Onyx Road] refer to Smith Road - Road Reserves, Drainage Easements & Public Pedestrian Linkages.												