

Willoughby Natural Heritage Register - Castle Cove data sheets

KEY

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

Residential Properties and Schools

Road reserves, drainage easements and public pedestrian linkages

Public reserves

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

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.

COLUMN 4: SPECIES = listed tree species (NOTE: 6-letter epithet/ identity code GENUS-SPECIES); refer to **Key to Native Plant Species Schedule - Castle Cove**.

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 described in *WCC Natural Heritage Register (2002)*. Refer to current Willoughby LEP.

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

Castle Cove contains many examples of local and generic native planting. In many instances these cultivated plants, of unknown provenance, have been inter-mixed with remnant native communities particularly along disturbed/ modified edges to bushland reserves, road verges and easements. In instances where native cultivated items are in association with listed natural heritage items they are identified in the NOTES column and shown in red font.

The data for this study was collected by Noel Ruting, LandArc Pty Limited in two stages: 2000 and 2006-2007.

Suburb: Castle Cove

Ecological Communities: Sydney Sandstone Gully Forest (10agi) and Sydney Sandstone Ridgetop Woodland (10ari)

Land Description	Item	Ecological Community	Species	Age Structure	Height [metres]	Spread [metres]	Condition	Ecological Integrity	Durability Ranking	Corridor Linkages	Existing Protection	Notes
Allambie Road - Residential Properties:												Survey Date: 30 Apr-4 May 2007
2 Allambie Road: rear garden	tree group s/s outcrops	10ar(i)	Ac [1]	30-40+	7m	6m	good	varies: 4-5	low	restricted	TPO	exotic terraced garden/ lawns; rock outcrops; subject to bdy. survey; Cgu [1]- ext. crown die-back; dom. weeds; Pu regrowth.
			Al [3]	20-50+	6-10m	3-7m	good	[mainly 5]				
			Cgu [1]	30-40+	7m	7m	poor					
4 Allambie Road: front garden rock shelf/ north bdy. adj. No.6 rear garden/ upper level	tree group	10ar(i)	Epip [1]	80-100+	12m	15m	poor	varies: 4-5	low	restricted	TPO	exotic garden/ significant rock shelf/ outcrops; Epip [1]- old growth spec./ 60% crown die-back; remove vines from trunks [<i>Cissus/ Hedera</i> spp.];
			Epip [1]	60-80+	12m	15m	good	[mainly 5]				
			Bs [1]	60-80+	7m	10m	good					
	remnant community s/s outcrops		Bs [1]	20-30+	7m	1m	good	varies: 3-5	medium-low			also generic native planting [Eucs.]; remnant natives [<i>Dillwynia</i> , <i>Crowea</i> , <i>Dianella</i> spp.]; no access to property
			Al [1]	20-30+	3m	2m	good	[mainly 5]				
			Fru [1]	20-30+	1.5m	3m	good					
			Cgu [4]	30-50+	4-9m	1-3m	fair [2]/ poor[2]					

upper rock outcrops/ adj. bdy. to No.19 Amaroo Avenue			Cgu [4]	40-60+	4-9m	3-8m	good [1]/ fair [2]/ poor[1]					Cgu [4]- incl. group west of fenceline/ varying level of crown die-back.
6 Allambie Road: rear garden/ upper level	two trees remnant community s/s outcrops	10ar(i)	Ecap [1] Cgu [1]	60-80+ 40-50+	8m 2m	14m 2m	good regrowth	varies: 3-5 [mainly 5]	medium-low	restricted	TPO	exotic garden; significant rock shelf/ outcrops/ upper level; subject to bdy. survey; dom. weeds [<i>Phyllostachys</i> sp.]; remnant natives incl. <i>Polyscias</i> , <i>Acacia</i> , <i>Hakea</i> spp. Pu regrowth. Cgu [1]- lopped stump/ regrowth. [refer to listings].
Note: Remnant community is associated with a locally significant sandstone scarp/ rock shelf extending between 2-10 Allambie Road, 12 & 19 Amaroo Avenue and 78-88 Deepwater Road.												
8 Allambie Rd: rear garden/ upper level adj. to bdy. 19 Amaroo Ave	single tree remnant community s/s scarp s/s outcrops	10ar(i)	Epu [1] Er [1] Ka	40-50+ 40-50+ up to 20-30+	7m 8m <2m	10m 3m <3m	good good good	varies: 2-5 [mainly 5]	high-low	restricted	TPO	terraced exotic garden; remnant native group assoc.w. significant rock shelf/ outcrops [<i>Xanthorrhoea</i> , <i>Kunzea</i> , <i>Epacris</i> , <i>Dillwynia</i> , <i>Crowea</i> spp.]; weeds. [refer to listings].
Note: Remnant community is associated with a locally significant sandstone scarp/ rock shelf extending between 2-10 Allambie Road, 12 & 19 Amaroo Avenue and 78-88 Deepwater Road.												
10 Allambie Road: rear garden	two trees s/s outcrops	10ar(i)	Cgu [1] Al [1] Cal [1]	30-40+ 30-40+ unknown	7m 8m <2m	4m 6m <2m	fair good good/ regrowth	varies: 4-5 [mainly 5]	low	restricted	TPO	terraced exotic garden/ lawn; rock outcrops; no access to property; generic native planting [<i>Euc. saligna</i>]
17 Allambie Road: rear garden	tree group	10ar(i)	Epu [1] Epu [1] Ac [1]	40-50+ 40-50+ 40-50+	16m 12m 10m	15m 12m 10m	good fair v. poor	5	low	isolated	TPO	exotic garden/ lawns; transplanted as seedlings from adj. bushland by earlier owner; Epu [1]- some dead wood; Epu[1]- ext. epicormic growth; Ac [1]- ext. die-back/ decay.
18 Allambie Road: front garden	two trees s/s outcrops	10ar(i)	Esi [2]	20-30+	4-5m	5-7m	poor/ regrowth	varies: 4-5 [mainly 5]	low	isolated	TPO	exotic garden; weeds; current site redevelopment; Esi [2]- possibly lignotuber regrowth off single base; natives incl. <i>Dianella</i> , <i>Calochlaena</i> , <i>Acacia</i> spp; Pu regrowth.
Amaroo Avenue - Residential Properties:												Survey Date: 28 May-1 June 2007
1 Amaroo Avenue: rear garden	single tree	10ar(i)	Cgu [1]	50-60+	10m	10m	good	5	low	isolated	TPO	exotic garden/ lawn; Cgu [1]- some minor pruning.
6 Amaroo Avenue: rear garden	single tree	10ar(i)	Cgu [1]	30-40+	12m	9m	v. poor	5	low	isolated	TPO	exotic garden; weeds; Cgu [1]- 90% crown die-back; generic native planting [<i>Eucalyptus</i> / <i>Corymbia</i> spp.]
12 Amaroo Avenue: front [northern] garden	tree group s/s outcrops	10ar(i)	Cgu [3] Bs [1]	30-60+ 50-60+	9-12m 9m	4-7m 6m	fair good	5	low	restricted	TPO	exotic garden; rock outcrops; weeds; Cgu [3]- some dead wood/ remove ivy on trunks; Pu regrowth; generic native planting {Eucs.}; subject to bdy. survey [see 10 Allambie Rd].
rear [southern] garden/ courtyard adj. to rock outcrops			Cgu [3] Cgu [1]	40-60+ 40-50+	8-10m 8m	3-10m 3m	fair [2]/ good [1] good					
19 Amaroo Avenue: rear garden/ south-eastern rock outcrops	tree group remnant	10ar(i)	Ecap [1] Al [2]	15-20+ <10	7m 3-4m	1m 1m	good regrowth	varies: 2-5 [mainly 5]	medium-low	restricted	TPO	exotic garden; rock shelf/ outcrops; dom. weeds [<i>Phyllostachys</i> sp.];
southern embankment adj. to	community		Epu [2]	20-40+	10-12m	7-8m	fair [1]/ good [1]					Epu X1- ext. dead wood in older tree;

Nos.76-78 Deepwater Road												s/s outcrops		natives incl. <i>Epacris</i> , <i>Boronia</i> , <i>Acacia Dianella</i> spp; Pu regrowth; cultivated natives incl. Eucs. [adj. bdy.No.15]/ <i>Corymbia citriodora</i> regen.
Note: Refer to 6 Allambie Road for tree group [<i>Corymbia gummifera</i>] in south-eastern corner [within fenceline].														
Remnant community is associated with a locally significant sandstone scarp/ rock shelf extending between 2-10 Allambie Road, 12 & 19 Amaroo Avenue and 78-88 Deepwater Road.														
Bampi Place - Residential Properties:												Survey Date: 26-30 Nov 2007		
3 Bampi Place: rear garden/ upper level	tree group remnant community s/s outcrops	10ar(i)	Ac [3] Epip [1] Cgu [1] Epu [3] Ac [1] Al [2]	60-80+ 40-50+ 20-30+ 20-40+ 20-30+ 20-30+	7-9m 9m 7m 7-9m 6m 4-6m	7-12m 7m 4m 3-8m 3m 3m	good good fair good good good	varies: 3-5 [mainly 5]	medium-low	contiguous	adj.SEPP 19 /TPO	rock outcrops; dom. weeds; native understorey/ regen. incl. <i>Acacia terminalis</i> , <i>Elaeocarpus</i> , <i>Pteridium</i> , <i>Actinotus</i> , <i>Dianella</i> , <i>Lomandra</i> spp.; <i>Banksia integrifolia</i> regrowth- likely cultivated origin.		
5 Bampi Place: rear garden/ upper level	tree group s/s scarp s/s outcrops	10ar(i)	Ac [3] Epip [2] Epip [1] Epu [2] Cgu [1] Bs [1]	50-80+ 60-80+ 20-30+ 30-40+ 40-50+ 30-40+	8-9m 10-12m 12m 10-12m 10m 7m	7-12m 12-14m 7m 7-8m 6m 3m	good good good good good good	varies: 3-5 [mainly 5]	medium-low	contiguous	adj.SEPP 19 /TPO	significant rock outcrops; terraced lawn/ garden; exotics/ weeds; Ac[3]- on upper north-east rock shelf; no access; native understorey/regen. [<i>Pteridium</i> , <i>Dianella</i> , <i>Lomandra</i> spp.] cultivated natives/ <i>B. integrifolia</i> - likely cultivated origin.		
7 Bampi Place: rear garden	remnant community s/s scarp s/s outcrops	10ar(i)	Epu/Bs/Ka Ac/ Epu	<10 <5	up to 3-6m up to 3m	varies <1m	regrowth saplings	varies: 1-5 [mainly 5]	high-low	contiguous	adj.SEPP 19 /TPO	native regrowth group/ regen. assoc. w. significant rock outcrops/ scarp; subject to bdy.survey [core bushland community on upper scarp level]; native regen.- <i>Kunzea</i> , <i>Gleichenia</i> , <i>Pteridium</i> spp. at base of cutting; generic native planting/ landscaping.		
Bampi Place - Road Reserves and Drainage Easements:												Survey Date: 26-30 Nov 2007		
public road/ verge cnr. Bampi Pl & Willowie Rd [opp. 1 Bampi Pl]	scenic vista [public]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		outstanding scenic vista of Middle Harbour/ cleared steep embankment; dom. weeds; [HD Robb Reserve]		
Boundary Street - Residential Properties:												Survey Date: 10-14 Sept 2007		
206 Boundary Street: rear garden/ on rock shelf/ outcrop	single tree	10ar(i)	Cal [1]	60-80+	3m	3m	good	5	low	isolated	TPO	owner confirmed house built in 1948; broad-scale clearing for residential subdivision in 1945 [photo of owner in cleared landscape]/ view to South Head lighthouse & Harbour Bridge; <i>Callicoma serratifolia</i> - multi-stemmed confirmed as only remnant by owner.		
												Survey Date: 2-6 October 2000		
212 Boundary Road: front garden	single tree	10ar(i)	Era [1]	80-100+	9m	15m	good	5	low	isolated	TPO	lawn/ exotic garden; Era [1]- old growth specimen.		
												Survey Date: 26-30 Nov 2007		

262 Boundary Street: garden/ courtyard adj. to pool	single tree	10ar(i)	Epu [1]	60-80+	10m	16m	good	5	low	restricted	TPO	paved courtyard; Epu[1]- some dead wood in crown.
Boundary Street - Road Reserves and Drainage Easements:												Survey Date: 26-30 Nov 2007
unmade road reserve between Holly Street & Rosebridge Ave [east of cul-de-sac/ south portion]	tree group s/s outcrops	10ar(i)	Ac [1] Epu [1] Esi [1] Fru [1] Gf/ Pu Fru [1]	80-100+ 40-50+ 50-60+ 60-80+ up to 20-30+ unknown	8m 10m 12m 7m up to 5-6m <1m	12m 12m 12m 12m varies <2m	good fair fair good good/ regrowth regrowth	varies: 4-5 [mainly 5]	low	restricted	TPO	unmade road reserve; rock outcrops/ steep embankment; dom. weeds; Ac[1]- old growth specimen on rock outcrop/ basal cavity & pruning for o'head powerlines; Epu[1]/ Esi[1]- ext. dead wood; native g/covers incl. <i>Pteridium</i> , <i>Dianella</i> spp; <i>Xylomelum</i> <i>pyriforme</i> [1 X 1.5m HT]- possibly cultivated origin [lower bank]; generic native planting [<i>Eucalyptus</i> spp.].
Cammaray Road - Residential Properties:												Survey Date: 29 Jan-2 Feb 2007
1 Cammaray Road: rear garden/ upper level adj. to bdy.No.3	single tree remnant community s/s outcrops	10ar(i)	Cgu [1] Ka	50-60+ up to 20-30+	12m <2m	12m <3m	good regrowth	varies: 3-5	medium-low	contiguous	adj.SEPP 19 /TPO	exotic garden/ remnant native group assoc.w. rock outcrops [<i>Kunzea</i> , <i>Xanthorrhoea</i> , <i>Epacris</i> spp.]; adj. to core bushland reserve; weeds; Cgu [1]- some dead wood.
3 Cammaray Road: south garden/ adj. to right-of-way	tree group s/s outcrops s/s cutting	10ar(i)	Ac [1] Cgu [2] Ac [3] Ka [2]	60-80+ 30-40+ 30-50+ up to 20-30+	12m 8-9m 12-14m 3m	12m 7-8m 6-7m 3-4m	good fair/ poor good [2]/ fair [1] fair	varies: 4-5 [mainly 5]	low	contiguous	adj.SEPP 19 /TPO	exotic garden/rock outcrops; Cgu[2]- ext. dead wood; also planted generic natives; subject to bdy. survey.
4 Cammaray Road: front garden	single tree	10ar(i)	Cgu [1]	50-60+	9m	12m	poor	5	low	isolated	TPO	small lawn/ garden; Cgu [1]- 40% die-back/ pruned; epicormic growth
13 Cammaray Road: front garden	tree group	10ar(i)	Cgu [1]	50-60+	12m	15m	good	5	low	isolated	TPO	exotic garden/ lawn; rock outcrops;
	s/s outcrops		Epu [1]	50-60+	12m	16m	good					Cgu [1]/ Epu [1]- some pruning;
rear garden/ lower lawn terrace			Ac [1]	50-60+	16m	15m	good/ lopped					Ac [1]- heavily pruned.
17 Cammaray Road: rear garden	single tree	10ar(i)	Era [1]	40-50+	12m	12m	fair	5	low	isolated	TPO	terraced garden/ lawn; current site/ building works - no access.
18 Cammaray Road: front garden	tree group	10ag(i)	Ac [1]	40-50+	15m	10m	good	varies: 4-5	low	restricted	TPO	terraced lawns/ exotic garden; rock
	s/s outcrops		Ac [1]	30-40+	14m	3m	fair	[mainly 5]				outcrops; dom. weeds; native regen.
			Epu [1]	40-50+	15m	12m	fair/ lopped					incl. <i>Acacia terminalis</i> / <i>Elaeocarpus</i> ,
upper north garden			Gf [1]	40-50+	10m	10m	good					<i>Pteridium</i> / <i>Lomandra</i> spp.; Epu [1]- possibly planted; Pu regrowth.
19 Cammaray Road: rear garden/ lower level	two trees s/s outcrops s/s scarp	10ar(i)	Epu [1] Era [1]	40-50+ 40-50+	12m 12m	10m 12m	fair good	5	low	isolated	TPO	terraced exotic garden/ lawns; rock outcrops; Era - some dead wood.
20 Cammaray Road: front garden	two trees	10ag(i)	Ac [1]	40-50+	14m	12m	good	5	low	restricted	TPO	steep embankment/ exotic garden;
rear garden/ upper grassed terrace			Ac [1]	40-50+	15m	12m	good					dom. weeds; native <i>Pteridium</i> sp.; generic native planting.
23 Cammaray Road: rear garden/	single tree	10ar(i)	Ac [1]	30-40+	12m	10m	good	5	low	isolated	TPO	Ac [1]- some dead wood in crown;

adj. to bdy. No.21 Cammaray Rd												exotic garden.
28 Cammaray Road: rear garden/ lower gully area adj. No.7 Willis Rd	tree group	10ag(i)	Ac [3] Ac [1]	40-60+ 50-60+	14-16m 14m	6-10m 6m	good v. poor	varies: 4-5 [mainly 5]	low	fragmented	TPO	mixed native fern <i>Calochlaena</i> sp./ weeds [<i>Tradescantia/Jasminium</i> sp] Pu regrowth; generic native planting. Ac[1]- 90% die-back/ competition w. exotic <i>Morus</i> sp./ vines.
30 Cammaray Road: upper north garden/ adj. to bdy.No.32	tree group	10ag(i)	Ac [1]	50-60+	10m	10m	good	5	low	fragmented	TPO	exotic garden; adj. to pool/ courtyard. Ac [1]- old growth spec./ some dead wood; generic native planting [incl. <i>Eucalyptus grandis</i>].
rear garden/ near bdy.No.9 Emerstan Drive & near driveway			Ac [1] Ac [1]	80-100+ 50-60+	12m 14m	16m 10m	good good					
32 Cammaray Road: front garden	two trees	10ar(i)/	Ac [1]	<10	3m	2m	good	5	low	fragmented	TPO	exotic garden/ lawn; Ac sapling.
rear garden		10ag(i)	Ac [1]	50-60+	10m	12m	good					
34 Cammaray Road: front garden/ east bdy. upper level	remnant community	10ar(i)/	Cgu [1] Ac [2] Ac	30-40+ 20-30+ <5	12m 12m <1m	8m 6-8m <1m	good good saplings/ regen.	varies: 3-5 [mainly 4-5]	medium-low	fragmented	TPO	Cgu [1]- some dead wood/ pruning; native g/covers - <i>Imperata</i> sp; native planting[Ac saplings possibly planted]
rear garden/ lower east bdy.	tree group	10ag(i)	Cgu [3] Al [2] Epip [1] Er [4] Ac/Cal/Ceg	40-60+ 15-20+ <10 <10-15 <10	9-16m 7-8m 10m 4-5m varies	7-8m 3m 3m 1-3m varies	good/ fair good good good sapling/ regrowth	varies: 4-5 [mainly 5]	low			garden; dom. weeds; Cgu [3]- some dead wood; native <i>Calochlaena</i> sp./ <i>Callicoma/ Angophora</i> regrowth. Ac/ Er/ Ceg - possibly planted.
rear garden/ lower west bdy.			Cgu [2] Al [1] Er [1]	40-60+ 30-40= <10-15	14m 3m 5m	10-14m 4m 1-3m	good fair/ regrowth fair/ regrowth					Cgu [2]- adj. rear bdy.Nos.11 & 13 Emerstan Dve; native <i>Pteridium</i> sp.; dom. weeds [incl. <i>Nephrolepis</i> sp.]; no access to rear garden.
38 Cammaray Road: front garden/ east bdy.to No.40 Cammaray Rd	tree group	10ar(i)	Ac [1] Ceg [1]	50-60+ 20-30+	10m 9m	12m 2m	see notes good	varies: 4-5 [mainly 5]	low	restricted	TPO	mulched garden/ rockery; Ac [1]- storm damage/cavity & bracket fungi recommend arborist inspection.
near west bdy.			Ac [1] Al/ Gf	20-30+ <5	9m varies	8m varies	good saplings/ regen.					Ceg [1]- possibly planted; native regen. <i>Grevillea/ Allocasuarina</i> spp.
40 Cammaray Road: front garden	tree group	10ar(i)	Era [1]	50-60+	10m	8m	good	varies: 4-5 [mainly 5]	low	fragmented	TPO	lawns/ mulched native garden beds; [planted <i>B. integrifolia/ Allocasuarina</i>]
rear garden			Ac [2] Gf [1] Ceg	40-50+ 30-40+ unknown	8-10m 8m 1.5m	6-8m 5m	good good fair	varies: 3-5 [mainly 5]	medium-low			<i>Banksia spinulosa</i> [4]/ <i>Hakea</i> sp.[1] 5mHT/ lopped- possibly planted; native <i>Breynia/ Dodonaea</i> spp.
42 Cammaray Road: front garden	single tree	10ar(i)	Cgu [1]	40-50+	14m	7m	good	5	low	restricted	TPO	exotic garden/ lawn; Cgu [1]- lopped regrowth off old base [2 X trunks].
48 Cammaray Road: front garden/ west bdy.	two trees s/s outcrops	10ar(i)	Eha [1]	60-80+	8m	8m	poor	5	low	restricted	TPO	exotic garden/ weeds; sandstone boulders/ landscaping; Eha [1]- ext. die-back/some pruning; Pu regrowth.
rear garden			Cgu [1]	40-50+	9m	8m	good					
54 Cammaray Road: front garden/ embankment rockery adj. to verge	tree group	10ar(i)	Al [3] Er [1]	10-20+ <5	3-5m <2m	1-3m	good sapling/ regrowth	5	low	restricted	TPO	redevelopment site; garden/ weeds; generic native planting; Epu[1]- likely planted.
Cammaray Road - Road Reserves and Drainage Easements:												Survey Date: 29 Jan-2 Feb 2007

adj. to No.2: grass verge	two trees	10ar(i)	Era [2]	30-40+	9-12m	8-10m	good	5	low	isolated	TPO	likely planted trees [unknown origin]; generic planting adj. 98 Neerim Rd.
adj. to No.23: grass verge/ adj. to driveway	two trees	10ar(i)	Ac [2]	30-40+	10-12m	10-12m	good	5	low	isolated	TPO	Ac X1- pruning for o/head lines; both trees possibly planted.
Castle Cove Drive - Residential Properties:											Survey Date: 10-14 Sept 2007	
22 Castle Cove Drive: vacant block/ undeveloped [subdivided] adj. pedestrian right-of-way & rear bdy. No.65 Deepwater Rd	tree group remnant community s/s outcrops	10ar(i)	Epip [1] Ac [1] Esi [1] Ceg [1] Cgu [1] Ac [1] Ac/ Cgu Cal/Ceg/Er	40-50+ 30-40+ <10 40-50+ <10 <10 <5 <10	14m 14m 5m 4m 3m 5m <1m <1.5m	12m 5m 3m 3m 2m 2m <1m <1m	good good/ regrowth sapling/ regrowth good/ lopped lopped/ regrowth lopped/ regrowth saplings/ regen. lopped/ regrowth	varies: 3-5	medium-low	fragmented	TPO	undeveloped site; embankment/ rock outcrops; Epip [1]- cavity/ bee-hive; significant remnant regrowth group; ext. clearing/ multi-stem regrowth; dom.weeds [<i>Nephrolepis</i> sp.]; native regen.- <i>Acacia</i> , <i>Lomatia</i> , <i>Polyscias</i> , <i>Platysace</i> , <i>Pteridium</i> , <i>Lomandra</i> , <i>Dianella</i> , <i>Smilax</i> , <i>Pterostylis</i> [orchid] spp; Pu regrowth; recommend regen. strategy/ investigate ongoing clearing & maintenance regime; cultivated natives- [<i>Euc. paniculata</i> , <i>E. pilularis</i> <i>E. saligna</i> , <i>E. robusta</i> / <i>Corymbia</i> sp.]
36 Castle Cove Drive: garden/ rock outcrop on bdy. to No.77 Deepwater Rd	tree group	10ar(i)	Epip [1]	50-60+	9m	12m	fair	5	low	fragmented	TPO	rock outcrop; subject to bdy. survey; dom. weeds; Epip[1]- competition w. Camphor Laurel [<i>Cinnamomum</i> sp.].
Castle Cove Drive - Public Reserves:												
Willis Park (Castle Cove Drive - Willis Park Group)												
Willis Park is a major bushland reserve scheduled as SEPP 19: Bushland in Urban Areas(Public Open Space) in the Willoughby City Bushland Plan of Management (2000).												
bushland reserve/ upper steep embankment/ scarp & waterfall: Scotts Creek adj. to Castle Cove Drive/ Eastern Valley Way intersection	tree group remnant community s/s scarp s/s outcrops waterfall scenic view	10ag(iii)	Cea Cal/ Pu	up to 100+ up to 100+	up to 20m up to 16m	varies varies	good good	varies: 4-5	low	fragmented	SEPP 19/ TPO	highly modified & fragmented gully/ rainforest community; scarp/waterfall & steep gully; high scenic quality; rock outcrops; 90-100% weeds [<i>Lantana</i> , <i>Erythrina</i> , <i>Cardiospermum</i> spp.]; outstanding native old growth group incl. <i>Ceratopetalum apetalum</i> [Coachwood], <i>Callicoma serratifolia</i> <i>Pittosporum undulatum</i> ; no access to lower gully area [below waterfall]; large pop. Eastern Water Dragon <i>Physignathus lesueurii</i> - upper scarp.
Cherry Place - Residential Properties:											Survey Date: 29 Jan-2 Feb 2007	
2 Cherry Place: front garden	tree group s/s outcrops	10ar(i)	Cgu [1] Ac [1] Ac [2]	40-50+ 40-50+ 20-40+	8m 15m 7-8m	6m 10m 4-7m	v. poor good fair/ v.poor	varies: 4-5 [mainly 5]	low	fragmented	TPO	garden; Cgu[1]- near south-west bdy No.2A; native Ac seedlings; Gf/ Pu regrowth; Ac[3]- near north-east bdy. 1 X Ac 90% crown die-back.
upper rear garden/ scarp	s/s scarp		Esi [1]	40-50+	9m	9m	good	varies: 3-5	medium-low			

			Ac [3]	30-50+	8-10m	6-8m	good						steep/ large rock outcrops; Ac [3]- 2 X upper scarp/ 1 X lower pool area; Cgu X 1 adj. upper rear bdy; also Ceg/ Er saplings/ regen; mixed planted native/ remnant g/covers. Er [1]- old multi-trunk specimen.
			Cgu [2]	40-50+	8-14m	7m	good						
			Bs [1]	50-60+	10m	5m	good						
			Ceg [1]	40-50+	8m	3m	good						
			Er [1]	40-50+	6m	2m	poor/ lopped						
2A Cherry Place: front garden/ embankment adj. to right-of-way	tree group s/s outcrops remnant	10ag(i)/	Ac [1]	80-100+	18m	16m	good	varies: 2-5	high-low	contiguous	TPO	very large rock outcrops/ tree group grading to remnant bushland [see No. 6 Cherry Pl]; Ac[1]-old growth spec. near driveway/ remove ivy on trunk; Ac [3] group - 1 X lopped; remnant native group [4]- <i>Banksia oblongifolia</i> weeds; native <i>Smilax/ Dianella</i> & <i>Boronia</i> spp./ dom. Pu regrowth.	
			Ac [3]	30-40+	16-18m	2-8m	good						
			Al [1]	<10	5m	2m	good						
			Bao [4]	30-50+	3-7m	2-3m	good						
upper rear garden/ north-west cnr. adj. to pool level	community	10ar (i)	Ac [1]	40-50+	12m	10m	good	varies: 3-5 [mainly 5]	medium-low				
			Ac [1]	30-40+	9m	10m	good						
6 Cherry Place: lower [east] portion of right-of-way	tree group	10ag(i)	Al [1]	15-20+	8m	3m	good	varies: 3-5	medium-low	contiguous	adj.SEPP 19 /TPO	dominant weeds/ exotics; Cgu [1]- remove ivy; native <i>Calochlaena</i> spp.	
			Cgu [1]	30-40+	12m	7m	good						
			Er [1]	20-30+	8m	3m	fair						
upper [west] portion of right-of-way	s/s outcrops remnant community		Epip [2]	30-40+	12-15m	5-8m	good	varies: 1-5 [mainly 3-5]	high-low			grading to remnant bushland/ large rock outcrops; native understorey - <i>Ceratopetalum gummiferum/ Epacris Grevillea</i> & <i>Boronia</i> spp.	
			Ac [10]	20-40+	9-14m	3-8m	good						
			Bs[1]/ Al[1]	20-30+	5m/ 6m	3m/ 6m	good						
upper s/s outcrops			Ac [1]	60-80+	15m	10m	good					subject to bdy. survey; Pu regrowth; weeds/ exotics; Bao - <i>Banksia oblongifolia/ Allocasuarina littoralis</i> - dom. understorey; Epu [1]- ext. dead wood; Epip [1]- old growth specimen in public reserve/ adj. rear bdy.No.6; Ac [4] group- 1 X lopped; Epu [1]- lopped to base/ regrowth; Crgl [1]- <i>Cryptocarya glaucescens</i> - old, tall specimen assoc. mesic unersstorey/ locally rare; <i>Callicoma serratifolia/ Calochlaena</i> spp; Ac [2] - trunk abrasion w. elevated driveway slab. Note: sandstone quarry site [c.1900] s/s blocks used in construction of Innisfallen [see 14 Cherry Pl. listing].	
			Bao/ Al	20-50+	3-8m	varies	good						
rear garden/ courtyard			Epu [1]	40-50+	12m	10m	fair						
			Epip [1]	40-50+	14m	12m	good						
			Epip [1]	80-100+			see notes						
lower gully/ scarp adj. No.8	s/s scarp		Ac [4]	30-40+	14-16m	8-12m	good	varies: 3-5	medium-low				
			Epu [1]	50-60+	2m	1m	lopped/ regrowth						
lower embankment/ below driveway			Crgl [1]	60-80+	10m	5m	good						
			Cal/ Er	varies	<10-14m	varies	varies						
			Ac [2]	20-30+	12m	3-6m	fair						
8 Cherry Place: lower rear garden/ south-west cnr./ pool deck level	tree group	10ag(i)	Ac [1]	50-60+	14m	12m	good	varies: 4-5 [mainly 5]	low	fragmented	adj.SEPP 19 /TPO	exotic garden/ lawns; native <i>Dianella Calochlaena/ Pteridium</i> spp.; owner discussed old quarry site heritage.	
			Ac [2]	50-60+	18-20m	12-15m	good						
adj. to driveway/ bdy. No.10													
10 Cherry Place: adj. driveway	tree group	10ag(i)	Ac [1]	40-50+	15m	12m	fair	varies: 3-5 [mainly 5]	medium-low	contiguous	adj.SEPP 19 /TPO	adj. west bdy; dom. weeds/ exotics; native <i>Elaeocarpus/ Callicoma</i> spp; ferns - <i>Calochlaena/ Adiantum</i> spp;	
rear garden/ lower south-west bdy.	s/s outcrops		Ac [1]	60-80+	16m	18m	good						
			Gf/ Er/ Cal	<10-20	varies	varies	good						

south-east cnr./ on rock outcrop			Fru [1]	40-50+	8m	10m	good						Gf regrowth; subject to bdy. survey. Fru [1]- multi-trunk specimen; also generic native [rainforest] planting - <i>Livistona australis</i> / <i>Ficus coronata</i> .
12 Cherry Place: front garden	single tree	10ag(i)	Epu [1]	30-40+	16m	10m	good	5	low	fragmented	TPO	exotic garden/ lawns; Epu [1]- some pruning.	
14 Cherry Place "Innisfallen" west portion [incl. south-west bdy.]	tree group	10ag(i)	Ac [1] Gf [2]	80-100+ 30-60+	16m 6-8m	24m 7-8m	good good	5	low	contiguous	adj.SEPP 19 /TPO	"Innisfallen Castle" - built by Henry Hastings Willis [1904]; exotic garden/ lawns; Ac [1]- old growth specimen near tennis courts; subject to bdy. survey; <i>Elaeocarpus</i> / <i>Ceratopetalum</i> <i>Allocasuarina</i> & <i>Grevillea</i> spp.assoc. w. rock outcrops; also Ac saplings/ regen; weeds [incl. <i>Watsonia</i> sp.]. Pu regrowth.	
south-east bdy. adj. to access road	remnant		Ac [4]	30-40+	12-15m	7-10m	good/ fair[1]	varies: 2-5	high-low				
	community		Ac [7]	<10-15	9-12m	2-4m	good	[mainly 3-4]					
southern embankment area	s/s outcrops		Er/ Al/ Ceg	<10-20	up to 3-5m	varies	good				fragmented		
Willis Road frontage			Ac [20+]	<15-20	up to 10-12m	varies	good						
			Al [6]	20-40+	5-9m	5-8m	good/ poor [1]						
			Er/ Al	<15-20	up to 5-7m	varies	good/ regrowth						
			Gf/ Ceg	<15-20	up to 5-7m	varies	good/ regrowth						
Cherry Place frontage/ north cnr.			Ac [3]	30-40+	15-16m	7-14m	good/ fair	5	low				
			Gf [1]	30-40+	9m	10m	good						
			Ceg [1]	60-80+	9m	7m	good						
			Fru [1]	40-50+	12m	10m	good						
Refer to Willis Road - Road Reserves and Drainage Easements for further details relating to "Innisfallen" construction.													
Cherry Place - Public Reserves:												Survey Date: 29 Jan-2 Feb 2007	
North Arm Reserve (Cherry Place - North Arm Reserve Group)													
North Arm Reserve Group is a major bushland reserve scheduled as SEPP 19: Bushland in Urban Areas(Public Open Space) in the <i>Willoughby City Bushland Plan of Management (2000)</i> .												core bushland community; some exotic weed invasion along edges/ drainage lines; high floristic/ structural diversity; incl. former quarry site; much denser canopy/ understorey than in 1970s; views across bay now restricted [adjoining owners].	
adj. to 6-10 Cherry Place	core bushland community s/s outcrops	10ag(i)	Ac [dom.] Epip/ Cgu	varies varies	18-25m	varies	varies	varies: 1-2 [mainly 1]	high	contiguous	SEPP 19/ TPO		
Daymar Place - Residential Properties:													Survey Date: 29 Jan-2 Feb 2007
A1 Daymar Place: rear garden/ Neerim Road frontage	tree group s/s outcrops	10ar(i)	Cgu [3] Al	40-50+ <10	10-15m <1m	5-10m <1m	good/ fair [2] regrowth	varies: 4-5 [mainly 5]	low	isolated	TPO	rock outcrops below wall/ garden; Cgu [3]- some dead wood/ 1X Cgu lopped; dom. weeds; some native g/covers- <i>Acacia</i> sp.; Pu regrowth.	
5 Daymar Place: rear garden	two trees	10ar(i)	Cgu [1] Ac [1]	40-50+ 30-40+	8m 8m	8m 5m	fair fair	5	low	isolated	TPO	garden; weeds; Cgu [1]- dead wood; native <i>Elaeocarpus</i> sp./ regrowth; cultivated natives [<i>Allocasuarina</i> sp.]	
9 Daymar Place: front garden/ adj. to driveway [off right-of-way]	tree group s/s outcrops	10ar(i)	Epu [1]	40-50+	12m	10m	see notes	5	low	isolated	TPO	lawns/ exotic garden; Epu [1]- some dead wood/ leaning trunk; generic native planting.	
lower rear terraced garden/ paved courtyard/ pool level			Cgu [1] Cgu [1]	80-100+ 50-60+	14m 16m	16m 12m	fair poor				restricted	Cgu [1]-old growth spec./some dead wood; Cgu [1]- ext. dead wood/	

												open crown.
14 Daymar Place: rear garden/ adj. to rear bdy to laneway [right-of-way]	remnant community s/s outcrops	10ar(i)	Ka/ Er	up to 30-40+	3m	3-5m	regrowth	varies: 4-5 [mainly 5]	low	isolated	TPO	exotic garden; dom. weeds/ remove grape ivy; native regrowth group assoc.w. rock outcrop.
Survey Date: 10-14 Sept 2007												
20 Daymar Place: rear garden/ steep slope & rock outcrops	tree group remnant community s/s outcrops	10ar(i)	Ac [2] Ac [2] Epu [1] Epip [1] Aba Be	60-80+ 40-50+ 60-80+ 50-60+ 40-60+ up to 30-40+	7-10m 10-12m 10m 8m 2-4m up to 2-3m	5-12m 6-8m 12m 8m 3-5m up to 4-5m	good good fair fair good/ fair good	varies: 2-5	high-low	fragmented	TPO	no access to property; significant rock outcrops; weeds; native regen./ regrowth incl. <i>Allocasuarina</i> , <i>Banksia</i> <i>Leptospermum</i> , <i>Elaeocarpus</i> spp. Epip/ Epu- some crown die-back/ dead wood; remnant community is part of larger group [see listings].
Note: Remnant community is associated with a locally significant sandstone scarp/ rock shelf extending between 128-136 Deepwater Road & 20 Daymar Place.												
Survey Date: 29 Jan-2 Feb 2007												
24 Daymar Place: rear garden/ embankment below pool level adj. to rear bdy. No.128 Deepwater Rd	single tree s/s outcrops	10ar(i)	Cgu [1]	40-50+	9m	8m	good	varies: 4-5 [mainly 5]	low	restricted	TPO	exotic garden; dom. weeds; native <i>Calochlaena</i> sp.; generic native planting [<i>Eucalyptus botryoides</i>].
26 Daymar Place: front garden/ upper level	single tree	10ar(i)	Bs [1]	50-60+	7m	7m	good	5	low	isolated	TPO	lawn/ exotic garden; Bs [1]- pruned
28 Daymar Place: rear garden/ north-western embankment & elevated scarp [south-western cnr] upper garden level adj. to scarp	remnant community s/s scarp s/s outcrops	10ar(i)	Al [7] Aba [2] Eob [2] Bs [1] Be/ Pu Cgu [2]	up to 15-20+ 20-40+ 30-50+ 30-40+ <20-30+ 30-40+	up to 7m 3-5m 3-8m 3m up to 4-6m 8-9m	2-4m 4m 4-8m 3m varies 6-7m	regrowth good/ fair good good good/ regrowth good	varies: 2-5 [mainly 4-5]	high-low	restricted	TPO	exotic garden/ mulched embankment grading to high scarp/ significant rock outcrops & assoc. remnant native community; Eob [2]- <i>Eucalyptus</i> <i>obstans</i> (Port Jackson Mallee)- only known examples in Castle Cove; <i>Banksia ericifolia</i> , <i>Lambertia formosa</i> <i>Grevillea</i> , <i>Pomaderris</i> , <i>Platysace</i> , <i>Epacris/ Crowea</i> spp.; dom. weeds; recommend bush regen. strategy; subject to bdy. survey.
30 Daymar Place: rear garden/ steep embankment below pool	tree group s/s outcrops	10ar(i)	Cgu [1] Al [1] Fru [1] Er/ Al Ap/ Pu	20-30+ 30-40+ <10 <5 up to 20-30+	9m 8m <1m <1m up to 4-6m	7m 6m <1m <1m varies	poor/ lopped good good good/ regen. regrowth	varies: 3-5 [mainly 5]	medium-low	restricted	TPO	embankment/ rock outcrops; dom. weeds [<i>Nephrolepis</i> sp.]; native g/ covers <i>Epacris</i> sp.; regen/seedlings <i>Elaeocarpus/ Allocasuarina</i> spp. <i>Acacia parramattensis/</i> Pu regrowth generic native planting- <i>Corymbia</i> sp.
Deepwater Road - Residential Properties:												Survey Date: 10-14 Sept 2007
2 Deepwater Road: front garden/ [341 Eastern Valley Way]	two trees s/s outcrops	10ar(i)	Cgu [1] Ac [1]	40-50+ 60-80+	10m 10m	3m 12m	good good	varies: 4-5 [mainly 5]	low	restricted	TPO	garden/ rock outcrops; dom. weeds [<i>Nephrolepis</i> sp.]; native <i>Lomandra/</i> <i>Dianella</i> spp.; Pu regrowth; generic native planting [<i>Syzygium</i> sp.].
Refer to 4 Deepwater Road listing for <i>Angophora costata</i> [1] on property boundary [2 & 4 Deepwater Road].												
3 Deepwater Road: rear garden	single tree	10ar(i)	Cgu [1]	30-40+	10m	6m	fair	5	low	restricted	TPO	exotic garden/ lawn; weeds; Cgu[1]-

												some dead wood.			
4 Deepwater Road: front garden/	two trees	10ar(i)	Ac [2]	80-100+	7-8m	10-12m	good	5	low	restricted	TPO	terraced garden/ lawn; Ac [2]- old growth specs; 1X Ac- front bdy./ pruning/ alignment for o'head lines; 1X Ac- on bdy.No.2/ remove ivy [<i>Hedera</i> sp.] on trunk.			
5 Deepwater Road: rear garden	single tree	10ar(i)	Era [1]	40-50+	12m	10m	fair	5	low	restricted	TPO	exotic garden/ lawn; Era [1]- dead wood; weeds [<i>Cinnamomum</i> sp.]; cultivated natives [<i>Corymbia/ Eucs.</i>]			
8 Deepwater Road: rear garden/ Eastern Valley Way frontage	single tree	10ar(i)	Cgu [1]	40-50+	14m	3m	good/ lopped	5	low	isolated	TPO	exotic terraced garden; Cgu [1]- heavily lopped/ major trunk.			
												Survey Date: 2-6 April 2007			
8B Deepwater Rd: south-eastern group/ Deepwater Rd frontage adj. to bdy. 349 Eastern Valley Way adj. to bdy. 353 Eastern Valley Wy	tree group	10ar(i)	Cgu [1]	40-50+	12m	9m	v.poor	5	low	isolated	TPO	site highly modified/current DA; Nos. shown in red refer to on-site ID [DA]; lawns/ dom. weeds; planted exotics/ generic native spp.; remnant natives/ regrowth assoc. w. rock outcrops; Cgu [1]- ID 5 & 6/ 2 X trunks likely basal regrowth/ 80% crown die-back			
			Gf [1]	30-40+	9m	9m	good								
			Al [1]	60-80+	8m	12m	good								
north-eastern boundary group/ Deepwater Rd frontage adj. to rear 2-4 Warrane Place	tree group remnant community s/s outcrops			Al [15]	up to 15-20+	3-7m	1-4m	good	varies: 3-5 [mainly 5]	medium-low					
				Ka [4]	up to 15-20+	3-6m	1-4m	good							
				Gf [2]	up to 15-20+	5-7m	6-7m	good							
				Pu/ Gf	up to 20-30+	4-6m	4-6m	regrowth							
central northern groups adj. to rear bdy. to 192-198 Boundary St				Al [4]	up to 20-30+	3-7m	1-3m	good							
				Al [3]	30-50+	4-7m	3-5m	fair/ good [lopped]							
				Be [4]	up to 30-40+	1-6m	2-6m	good							
				Ka	up to 30-40+	4-7m	10m [group]	good							
				Pu/ Gf	up to 20-30+	4-6m	4-6m	regrowth							
central islands adj. to main building [old stockpiled soil area]				Ka/ Be/ Al	up to 15-20+	up to 6m	varies	good	varies: 4-5 [mainly 5]	low					
				Pu/ Gf	<5	up to 2m	varies	regrowth							
adj. to main building/ southern bdy.				Gf [1]	60-80+	9m	12m	good							
north-western group - central islands [3] in sloping lawn area	remnant community s/s outcrops			Cgu [1]	60-80+	10m	10m	poor	varies: 1-3	high-medium					
				Cgu [4]	20-40+	3-9m	3-6m	fair							
				Bs [1]	20-30+	6m	4m	good							
				Al/ Ka	up to 10-20+	up to 3-4m	varies	regrowth							
				Gf	<10	3-5m	varies	regrowth							
lawn area immediately south of island group				Be [1]	40-50+	6m	10m	good	varies: 4-5 [mainly 5]	low					
				Pu/ Gf	<5-10	up to 3m	varies	regrowth							
north-western group/ adj. to bdy. 192 Boundary St & Boundary Rd	tree group			Era [1]	60-80+	12m	15m	fair	varies: 3-5 [mainly 5]	medium-low					
				Gf [5]	30-50+	8-9m	7-10m	good							

frontage [between 186-192]			Al [4]	30-40+	7-10m	3-5m	good						dom. weeds[as above]; some native
entry steps to Boundary Rd			Pu	up to 30-40+	up to 8-9m	varies	regrowth						regen. assoc. w. rock outcrops.
			Era [1]	50-60+	9m	10m	v.poor						Era [1] - ID 24/ ext. crown die-back, epicormic growth/ basal cavities.
Survey Date: 10-14 Sept 2007													
9 Deepwater Rd: rear garden/ lawn	tree group	10ar(i)	Ac [1]	40-50+	7m	4m	good	varies: 4-5	low	restricted	TPO		exotic garden/ rock outcrops; weeds;
gully area adj. to rear bdy.	s/s outcrops		Epip [2]	60-80+	10-12m	8-15m	fair/ poor	[mainly 5]					Epip [2]- ext. dead wood; native
			Ac [3]	30-40+	6-9m	1-3m	good						regen. incl. <i>Banksia serrata</i> , <i>Dianella</i> ,
			Bs [1]	60-80+	3m	5m	good/ leaning						<i>Imperata</i> spp; cultivated natives-
			Al/ Pu	up to 10-20+	up to 6m	varies	regrowth						[<i>Corymbia citriodora</i>].
15 Deepwater Rd: rear garden	two trees	10ar(i)	Bs [1]	80-100+	7m	7m	good	varies: 4-5	low	isolated	TPO		exotic garden/ rock outcrops; Bs [1]-
	s/s outcrops		Pu [1]	60-80+	6m	4m	good/ lopped	[mainly 5]					old growth spec.; <i>Calochlaena</i> sp.
17 Deepwater Rd: rear garden/ adj. to bdy. No.15 Deepwater Rd	single tree	10ar(i)	Era [1]	40-50+	9m	8m	fair	5	low	restricted	TPO		exotic terraced garden; Era [1]- ext. dead wood.
19 Deepwater Rd: front garden/ adj. to driveway/ adj. to front bdy.	tree group	10ar(i)/	Cgu [1]	60-80+	12m	10m	see notes	5	low	restricted	TPO		exotic garden; Cgu [1]- damaged
			Gf [1]	60-80+	9m	10m	good/ lopped						trunk/ cavities- recommend arborist
rear garden/ lower level	s/s outcrops	10ag(i)	Esi [2]	30-40+	9-10m	4-7m	good						inspection; Gf [1]- heavily pruned for
			Cgu [2]	30-50+	9-10m	3-4m	fair [1]/ poor [1]						o'head lines; also cultivated natives.
			Gf [1]	30-40+	7m	6m	good						significant rock outcrop; Cgu [2]/Ceg
			Ceg [1]	60-80+	7m	2m	poor						[1]- ext. dead wood; dom. weeds- <i>Cinnamomum camphora</i> , <i>Ligustrum</i> & <i>Lantana</i> spp.; Pu regrowth.
Survey Date: 12-16 Nov 2007													
20 Deepwater Road: rear garden/ lower scarp [below rock shelf] [access off Kendall Rd]	tree group remnant community s/s outcrops s/s scarp	10ar(i)	Bs [1]	80-100+	6m	15m	good	varies: 2-5	high-low	fragmented	TPO		exotic garden [upper level]; large
			Ac [3]	30-60+	6-8m	6-10m	good	[mainly 3-5]					rock outcrops/ scarp; dom. weeds
			Bs [1]	30-40+	5m	4m	fair						[<i>Ligustrum</i> , <i>Lantana</i> & <i>Nephrolepis</i>
			Esi [1]	30-40+	6m	3m	good						spp.]; Bs [1]- old growth specimen/
			Cgu [1]	30-40+	3m	2m	fair						sprawling lower branches; natives-
			Gf [1]	30-40+	7m	7m	good						<i>Bauera</i> , <i>Gleichenia</i> spp; Pu regrowth
			Cal	50-60+	up to 3-4m	varies	fair/ regrowth						no access to lower level/ subject to boundary survey [adj. school].
Survey Date: 10-14 Sept 2007													
21 Deepwater Rd: rear garden/ steep slope/ gully	tree group s/s outcrops	10ag(i)	Epip [1]	80-100+	15m	16m	good	5	low	restricted	TPO		steep slope/ gully; terraced w. rock
			Cgu [1]	20-30+	8m	2m	good						outcrops; dom. weeds; Epip [1]-
			Fru [1]	40-50+	12m	12m	good						old growth spec./ some dead wood; native <i>Dianella</i> sp.
Survey Date: 12-16 Nov 2007													
22 Deepwater Road: rear garden/ rock shelf/ scarp [access off Kendall Rd]	tree group s/s outcrops s/s scarp	10ar(i)	Fru [1]	80-100+	7m	8m	good	varies: 3-5	medum-low	fragmented	TPO		exotic garden/ lawn; Fru [1]- old
			Ac [3]	30-50+	5-9m	3-7m	fair	[mainly 4-5]					growth spec. on top of rock shelf;
			Er [1]	30-40+	4m	3m	fair						scarp; dom.weeds; native g/covers-
			Al	<10	4-5m	1-2m	good/ regrowth						<i>Histiopteris</i> sp.; cultivated natives

			Ac	<10	<3m	<1m	saplings						[<i>Corymbia</i> sp.]; no access to scarp.
24 Deepwater Road: rear garden/ lower slope [access off Kendall Rd]	tree group s/s outcrops s/s scarp	10ar(i)	Epip [1] Epip [1] Ac [1] Esi [1]	60-80+ 10-20+ 40-50+ 20-30+	9m 7m 8m 7m	12m 3m 5m 5m	poor good good poor	varies: 2-5	high-low	fragmented	TPO	rock outcrops; Epip [1]- ext. dead wood/ competition w. <i>Phoenix</i> sp.; Ac[1]- on bdy.No.26; Esi [1]- dead wood; dom. weeds [<i>Lantana</i> sp.]; natives incl. <i>Xanthorrhoea</i> , <i>Crowea</i> , <i>Smilax</i> spp; also cultivated natives; <i>Melaleuca hypericifolia</i> - possibly cultivated origin; listings subject to bdy. survey [see No.26 listing]; good native regen./ regrowth on rock cutting- <i>Hakea teretifolia</i> , <i>Epacris</i> <i>Xanthorrhoea</i> , <i>Gleichenia</i> [dom] spp.	
lower level/ rock cutting to Deepwater Road verge	remnant community s/s cutting		Ka Epip	up to 20-30+ <5	up to 2-3m <2m	varies <1m	regrowth saplings	varies: 1-2	high				
26 Deepwater Road: rear garden/ lower scarp [access off Kendall Rd]	tree group remant community s/s outcrops s/s scarp	10ar(i)	Ac [1] Ac [2] Cgu [1] Cgu [4] Ceg/ Cal Al/ Er Pu	60-80+ 40-50+ 40-50+ 30-40+ up to 30-50+ up to 10-20+ up to 30-40+	8m 6-7m 6m 3-9m up to 3-5m up to 4-7m up to 5-6m	12m 5-6m 8m 1-2m varies varies varies	good good v.poor fair [1]/ poor [1]/ lopped [2] good good regrowth	varies: 2-5	high-low	fragmented	TPO	exotic garden; significant scarp/ rock outcrops/ remnant native community; Ac[1]- adj. to bdy. No.24; Cgu[1]- 90% die-back/ lopped; pruning for o'head lines; native understorey incl. <i>Xanthorrhoea</i> sp.; weeds [<i>Lantana</i> , <i>Ligustrum</i> , <i>Nephrolepis</i> spp.]; listings subject to boundary survey.	
mid-level [below scarp]			Esi [1] Al/Ceg/Cal	80-100+ up to 20-30+	12m up to 3-5m	14m varies	good good	varies: 1-5 [mainly 2-3]					Esi [1]- old growth spec./ mid-level adj. bdy.No.24; native understorey- <i>Stylidium productum</i> , <i>Gleichenia</i> , <i>Hakea</i> , <i>Epacris</i> , <i>Woollsia</i> , <i>Smilax</i> , <i>Pteridium</i> , <i>Calochlaena</i> spp.; good regen.- mid & lower level [cutting]- <i>Gleichenia</i> / <i>Epacris</i> [dom.] spp.; weeds [<i>Nephrolepis</i> / <i>Lantana</i> spp.].
lower level/ rock cutting to Deepwater Road verge	s/s cutting		Al	<10	4-5m	1-2m	regrowth	varies: 1-3					
Survey Date: 10-14 Sept 2007													
27 Deepwater Rd: rear garden/ lower level [adj. reserve bdy.]	single tree	10ar(i)	Ac [1]	60-80+	14m	12m	good	5	low	fragmented	TPO	Ac [1]- top of embankment adj. to bushland reserve [see listing].	
Survey Date: 12-16 Nov 2007													
28 Deepwater Rd: lower garden/ Deepwater Rd frontage/ adj. to driveway	tree group s/s outcrops	10ar(i)	Ac [1] Ac [6] Cal [2] Ceg/ Ka Ac	80-100+ up to 20-40+ 40-50+ up to 20-40+ <5	12m 1.5-6m 2-4m 3-4m <1m	16m 1-3m 4-5m 1-2m <1m	fair good [3]/ fair [1]/ lopped [2] good good saplings/ regen.	varies: 4-5	high-low	fragmented	TPO	terraced exotic garden; significant rock outcrops/overhang; dom weeds; Ac [1]- old growth spec./ext. dead wood; Cal [2]- multi-stemmed; native ferns- <i>Calochlaena</i> , <i>Gleichenia</i> spp.; Pu regrowth; generic native planting.	
Survey Date: 10-14 Sept 2007													
29 Deepwater Rd: rear garden/	two trees	10ar(i)	Ac [1]	40-50+	10m	6m	fair	5	low	fragmented	TPO	terraced exotic garden; trees buried	

lower [raised] courtyard [adjoins reserve boundary]			Epip [1]	30-40+	12m	7m	poor					in raised ground level; Epip [1]- ext. dead wood/ crown die-back; remove <i>Parthenocissus</i> sp. [vine] on trunks; 1X Ac - dead tree [standing].
30 Deepwater Rd: front garden/ steep embankment	tree group s/s outcrops	10ar(i)/	Cgu [1] Esi [1] Cal [1]	60-80+ 20-30+ 40-50+	10m 10m 2m	14m 4m 6m	good good good	varies: 4-5 [mainly 5]	low	fragmented	TPO	rock outcrops; dom. weeds; Esi [1]- some pruning; Cal [1]- multi-stem; native <i>Calochlaena/ Pteridium</i> spp.;
rear garden/ upper rock outcrops adj. to bdy.Nos.10-12 Kendall Rd			Epip [1] Pu	60-80+ up to 20-30+	9m up to 5-6m	14m varies	fair regrowth			restricted		Epip [1]- some crown die-back; dom. weeds; subject to bdy. survey.
31 Deepwater Rd: rear garden [adjoins reserve boundary]	tree group	10ar(i)	Epip [2] Epip [1] Cgu [1] Ac [1] Pu	60-80+ 30-40+ 30-40+ 10-15+ up to 20-30+	12-14m 5m 9m 7m up to 5-6m	8-10m 1m 5m 2m varies	good lopped/ regrowth lopped/ regrowth good regrowth	5	low	fragmented	TPO	terraced garden/ current construction site; Epip[2]- pruning/dead wood incl. 1X tree w. basal cavity; Epip [1]- lopped to base/ regrowth; listing subject to rear boundary survey.
32 Deepwater Rd: front garden/ steep embankment	tree group remnant community s/s outcrops	10ar(i)/	Ac [1] Ac [1] Al/ Ceg Esi [1] Ac [1]	40-50+ 20-30+ up to 4m 20-30+ 10-15+	9m 7m <10-15 9m 3m	12m 8m 1-2m 7m 1m	good fair good poor sapling	varies: 2-5 [mainly 3]	high-low	fragmented	TPO	terraced exotic garden; dom. weeds; good native regen. assoc. w. rock outcrops- <i>Calochlaena</i> , <i>Gleichenia</i> , <i>Hakea</i> , <i>Allocasuarina</i> , <i>Dillwynia</i> , <i>Boronia</i> , <i>Epacris</i> spp.
rear garden			Ac [1]	80-100+	9m	15m	fair	5	low			Ac [1]- old growth spec./ dead wood; lawn; dom. weeds.
33 Deepwater Rd: rear garden [adjoins reserve boundary]	tree group	10ar(i)	Era [1] Cgu [1] Bs [1]	60-80+ 40-50+ 40-50+	10m 9m 3m	12m 6m 6m	good fair fair	5	low	fragmented	TPO	exotic garden/ lawn; dom. weeds; Cgu[1]/ Bs[1]- ext. dead wood in crowns.
34 Deepwater Rd: front garden	tree group s/s outcrops	10ar(i)/	Epip [1] Esi [2] Cal [1] Pu	80-100+ 20-30+ 40-50+ up to 20-30+	9m 8-9m 3m up to 5-6m	16m 7-8m 4m varies	fair good good regrowth	5	low	isolated	TPO	terraced garden; dom. weeds; Epip [1]- old growth spec./ thinning crown/ epicormic growth; cultivated natives [<i>Eucalyptus</i> spp.].
35 Deepwater Rd: rear garden [adjoins reserve boundary]	tree group s/s outcrops	10ar(i)	Cgu [1] Cgu [1] Ac [1] Ac [2] Epip [1]	40-50+ 20-30+ 40-50+ 30-40+ 30-40+	10m 7m 10m 6-9m 5m	7m 1m 4m 3-4m 5m	good poor good good v.poor	5	low	fragmented	TPO	exotic garden/ lawn; rock outcrops; Cgu[1]- ext. dead wood; Epip [1]- 90% crown die-back/ epicormic growth; 1 X <i>Banksia serrata</i> - dead stump [age unknown].
37 Deepwater Rd: rear garden/ rock outcrop along rear boundary [adjoins reserve boundary]	tree group s/s outcrops	10ar(i)	Esi [3] Ahis [1] Era/ Epip Pu	20-30+ 20-30+ <10 up to 20-30+	5-9m 2m 2-3m up to 5-6m	3-8m 1m 1m varies	good fair saplings regrowth	5	low	fragmented	TPO	significant rock outcrop; no access; native regrowth group; generic native planting incl. <i>Banksia integrifolia</i> ; Era [1] sapling- possibly planted.
40 Deepwater Road: front garden/ steep embankment/ rock shelf	two trees remnant community s/s outcrops	10ar(i)	Esi [1] Ahis [1] Al	80-100+ 40-50+ <10	14m 3m <3m	10m 2m <2m	poor poor regen.	varies: 2-5 [mainly 5]	high-low	isolated	TPO	steep garden/ rock outcrops; Esi [1]- old growth spec./ lopped roots, ext. dead wood & epicormic growth; Ahis [1]- <i>Angophora hispida</i> ; good regen. on rock outcrops incl. <i>Acacia</i>

												<i>terminalis/ A.suaveolens, Gleichenia Epacris</i> spp.; dom. weeds; standing dead trees; recent herbicide treatment
41 Deepwater Rd: rear garden/ lower gully area	tree group s/s outcrops	10ar(i)	Ac [2] Bs/ Ceg	50-80+ up to 20-30+	9-12m 2-4m	6-12m 1-3m	good regrowth	varies: 4-5 [mainly 5]	low	fragmented	TPO	gully/ rock outcrops; dom. weeds; [<i>Cinnamomum</i> sp.]; also cultivated natives/ rainforest spp.; Pu regrowth; subject to boundary survey.
43 Deepwater Rd: rear garden/ lower gully area	tree group remnant community s/s outcrops	10ar(i)	Ac [2] Era [1] Cgu [4] Ac [1] Epip [1] Bs/ Er/ Ceg Ac	40-60+ 20-30+ 40-60+ 80-100+ 60-80+ up to 10-20+ <5	9-10m 8m 9-12m 10m 8m <3m <1m	6-8m 5m 3-7m 15m 7m varies <1m	good fair good/ fair good lopped/ regrowth regrowth saplings	varies: 3-5 [mainly 5]	medium-low	fragmented	TPO	gully/ rock outcrops; dom. weeds; [<i>Cinnamomum/ Nephrolepis</i> spp.]; Ac[1]- old growth spec.; natives incl. <i>Banksia spinulosa, Xanthorrhoea, Adiantum, Hypolepis, Lomandra</i> spp; no access onto property.
45 Deepwater Rd: rear garden/ lower level below pool	tree group	10ar(i)	Esi [1] Era [1] Pu	20-30+ 20-30+ 30-40+	10m 8m 7-8m	7m 5m 6-7m	good v.poor regrowth	varies: 4-5 [mainly 5]	low	fragmented	TPO	terraced garden; weeds [<i>Lantana</i> sp.] Era [1]- 90% crown die-back; native <i>Calochlaena</i> sp.; Pu regrowth.
47 Deepwater Rd: front garden/ adj. to upper front bdy.	tree group	10ar(i)	Esi [1]	60-80+	10m	8m	fair/ lopped	5	low	restricted	TPO	Esi [1]- heavily pruned/ aligned for o'head powerlines/ epicormic growth/ remove <i>Hedera</i> sp.[ivy] on trunk.
rear garden/ rock outcrops adj. to bdy. No.45	remnant community s/s outcrops		Epip [1] Ac [1] Cgu [1] Cgu [4] Esi [1] Ac [1] Bs [1] Al/ Ka Esi [1]	60-80+ 50-60+ 60-80+ 30-40+ 20-30+ 30-40+ 40-50+ <20 <10	12m 10m 9m 7-10m 9m 10m 6m up to 3-6m 4m	16m 10m 7m 2-3m 8m 4m 7m 1-5m 1m	good good good/ regrowth good good good good good sapling	varies: 2-5	high-low	fragmented		significant remnant native group/ community assoc. w. rock outcrops- <i>Hakea sericea, Banksia spinulosa, Acacia terminalis, Leptospermum trinervium, Allocasuarina, Kunzea, Billardiera, Lepidosperma, Dianella Calochlaena</i> spp.; Pu regrowth; weeds [<i>Nephrolepis/ Jasminum</i> spp.]
48 Deepwater Rd: front garden	tree group	10ar(i)	Ac [1] Ac [1] Cgu [1] Er/ Pu	30-40+ 20-30+ 40-50+ up to 20-30+	9m 9m 7m up to 5-6m	7m 3m 9m varies	good v.poor poor regrowth	5	low	isolated	TPO	exotic garden; Ac[1]- adj. to bdy.No. 50; Ac [1]- 90% crown die-back; Cgu [1]- ext. dead wood; dom. [<i>Nephrolepis</i> sp.].
rear garden/ upper rock outcrops	s/s outcrops		Ceg [1] Fru [1]	20-30+ 30-40+	4m 3m	2m 3m	good good	varies: 3-5 [mainly 5]	medium-low			significant rock outcrops adj. to rear bdy.; native ferns & g/covers incl. <i>Lambertia formosa, Todea barbara, Calochlaena, Hypolepis</i> spp.; generic native planting [<i>Eucalyptus maidenii</i>]
50 Deepwater Rd: rear garden/ upper rock outcrops	tree group s/s scarp s/s outcrops	10ar(i)	Ac [1] Er [2] Ac	80-100+ 20-30+ <5	9m 4-5m <2m	16m 2m <1m	fair good saplings	varies: 3-5 [mainly 5]	medium-low	isolated	TPO	significant rock outcrops/ large over- hang adj. to rear bdy.; dom. weeds; Ac [1]- old growth spec./ dead wood & epicormic growth; natives incl. <i>Epacris, Smilax, Dianella</i> spp.;

												Pu regrowth.
52 Deepwater Rd: front garden	tree group s/s outcrops	10ar(i)	Ac [1] Cgu [1] Ac [1]	60-80+ 30-40+ 20-30+	12m 7m 9m	8m 5m 5m	good poor good	5	low	isolated	TPO	exotic garden/ rock outcrops; weeds; Cgu [1]- ext. dead wood; <i>Acacia parramattensis</i> regrowth; cultivated natives [Eucs.]/ <i>Ceratopetalum gummiferum</i> likely planted.
53 Deepwater Road: rear garden/ [Castle Cove Drive frontage]	single tree s/s outcrops	10ar(i)	Epip [1] Pu	20-30+ up to 20-30+	7m up to 5-7m	7m varies	v.poor regrowth	varies: 4-5 [mainly 5]	low	restricted	TPO	large rock outcrops; Epip [1]- on top of rock shelf/ leaning trunk/ 80% crown die-back; native <i>Adiantum</i> sp; weeds [<i>Cinnamomum</i> , <i>Nephrolepis</i> spp.]; cultivated natives [Eucs.].
55 Deepwater Road: rear garden/ lower embankment [Castle Cove Drive frontage]	tree group s/s outcrops	10ar(i)	Epip [1] Cal [1] Ceg [1] Pu	40-50+ 60-80+ 40-50+ up to 20-30+	12m 6m 6m up to 5-7m	12m 7m 3m varies	good good good regrowth	varies: 4-5 [mainly 5]	low	restricted	TPO	large rock outcrops; natives incl. <i>Calochlaena</i> , <i>Smilax</i> spp.; <i>Cyathea</i> sp.- cultivated origin; dom. weeds [see above]; owner confirmed lower property boundaries.
57 Deepwater Rd: rear garden/ embankment [Castle Cove Drive frontage]	two trees s/s outcrops	10ar(i)	Bs [1] Ceg [1]	30-40+ 30-40+	6m 7m	7m 2m	good good	5	low	restricted	TPO	terraced exotic garden; Bs [1]- trunk leaning; weeds [<i>Cinnamomum</i> sp.]; Pu regrowth.
59 Deepwater Rd: front garden/ adj. to front bdy.	single tree	10ar(i)	Ac [1]	40-50+	8m	9m	good	5	low	fragmented	TPO	Ac [1]- some pruning & damage to trunk.
Survey Date: 4-8 June 2007												
60 Deepwater Road: garden/ north- eastern bdy. to golf course/ core bushland community <i>Refer to Deepwater Road - Public Reserves and Golf Course - 3. South-western Boundary - core bushland community.</i>	core community s/s outcrops	10ar(i)	Al/ Ka Be/ Bs	up to 40-50+ up to 40-50+	up to 3-7m up to 3-6m	varies varies	good good	varies: 1-2	high	contiguous	TPO	current building/ siteworks - waste/ rubbish dumping in adj. bushland; subject to bdy.survey; dom. native <i>Kunzea</i> , <i>Allocasuarina</i> , <i>Banksia</i> spp.
Survey Date: 10-14 Sept 2007												
61 Deepwater Rd: rear garden/ lower embankment	single tree s/s outcrops	10ar(i)	Ac [1]	up to 200+	15m	25m	good	5	low	fragmented	TPO	Ac[1]-significant old growth specimen of exceptional scale/ sculptural form 800mm DBH; generic native planting [<i>Corymbia</i> / <i>Syncarpia</i> spp].
65 Deepwater Rd: rear garden/ small courtyard adj. to rear bdy. No.22 Castle Cove Drive	single tree s/s outcrops	10ar(i)	Ac [1]	80-100+	12m	15m	good/ lopped	5	low	fragmented	TPO	paved courtyard; Ac [1]- old growth spec./ 600mm DBH/ heavily pruned main trunk/ regrowth.
Survey Date: 4-8 June 2007												
68 Deepwater Road: Castle Cove Country Club [Golf Course] - refer to Deepwater Road: Public Reserves and Golf Course												
Survey Date: 10-14 Sept 2007												
73 Deepwater Road: rear garden/ lower embankment [Castle Cove Drive frontage]	tree group s/s outcrops	10ar(i)	Bs [1] Epip [1] Ac [2] Pu	50-60+ 60-80+ 20-40+ up to 20-30+	6m 8m 7-8m up to 5-7m	8m 10m 1-3m varies	good v.poor good regrowth	5	low	restricted	TPO	rock outcrops; dom. weeds [<i>Lantana Ligustrum</i> spp.]; Epip[1]- 90% crown die-back; native <i>Gleichenia</i> sp./ adj. to lower roadway; cultivated natives

												[<i>Corymbia</i> sp.]; owner confirmed Ceg X 2/ front garden - cultivated.	
75 Deepwater Road: rear garden/ upper rock shelf/ outcrops	tree group	10ar(i)	Cgu [1]	80-100+	10m	15m	fair	varies: 3-5 [mainly 5]	medium-low	restricted	TPO	remnant community assoc. w. rock shelf/ outcrops; Cgu[1]- old growth spec./ Ac[1]- dead wood in crowns; natives incl. <i>Banksia oblongifolia</i> X1- old specimen [3m HT/ 6m], <i>Banksia</i> <i>spinulosa</i> X3 [1.5m HT], <i>B. ericifolia</i> <i>Lambertia formosa</i> / <i>Hardenbergia</i> , <i>Acacia</i> , <i>Dianella</i> spp; also cultivated natives [<i>Eucalyptus</i> sp].	
	remnant		Ac [1]	60-80+	10m	12m	fair						
	community		Ac [1]	30-40+	6m	5m	good						
	s/s scarp		Ceg [1]	15-20+	2m	1m	good						
	s/s outcrops		Gf/ Pu	up to 20-30+	up to 5-6m	varies	regrowth						
mid-slope/ rock outcrops			Ac [1]	30-40+	9m	6m	good	varies: 4-5 [mainly 5]					
			Pu/ Er	up to 20-30+	up to 5-6m	varies	regrowth						
lower embankment/ rock outcrops below scarp [Castle Cove Drive frontage]			Fru [1]	unknown	<1m	<1m	lopped					Fru [1]- lopped to base/ ext. aerial roots along scarp; Epip [1]- adj. to lower road; subject to bdy. survey.	
			Epip [1]	30-40+	12m	7m	good					dom.weeds [<i>Lantana</i> / <i>Ligustrum</i> spp] native- <i>Calochlaena</i> / <i>Histiopteris</i> spp.	
													Survey Date: 4-8 June 2007
77 Deepwater Road [rear garden/ rock outcrop & single tree on lower south-eastern boundary] - refer to listing for 36 Castle Cove Drive.													
78 Deepwater Road: front garden/ upper level	tree group s/s outcrops	10ar(i)	Epu [1]	60-80+	10m	12m	good	varies: 4-5	low	restricted	TPO	significant rock outcrops/ terraced exotic garden; weeds; subject to bdy.survey; Epu [1]- some pruning.	
			Cgu [3]	40-60+	8-9m	4-5m	good [2]/ fair [1]						
lower level/ rock shelf adj. to garage			Era [1]	40-50+	7m	5m	poor					Era [1]- 50% crown die-back.	
rear garden			Ceg [1]	30-40+	5m	1m	good						
			Cgu [1]	60-80+	12m	12m	fair/ lopped					no access to rear garden.	
80 Deepwater Road: lower embankment to right-of-way	tree group s/s outcrops	10ar(i)	Era [1]	60-80+	5m	7m	poor	5	low	restricted	TPO	lower rock outcrops to street level; Era [1]- dead wood/ basal cavity; generic native planting- <i>C. citriodora</i> .	
adj. to upper driveway/ bdy. to No. 78 Deepwater Rd.	remnant community		Cgu [1]	30-40+	6m	5m	good	varies: 3-5 [mainly 5]	medium-low			rock outcrops; dom. weeds; natives incl. <i>Acacia terminalis</i> , <i>Dillwynia</i> , <i>Xanthorrhoea</i> , <i>Epacris</i> , <i>Crowea</i> spp; subject to bdy. survey.	
			Epu [1]	40-50+	6m	7m	good						
			Al/ Er Be	<10	3-4m	1m	regrowth dead						
rear garden/ upper level			Epu [1]	80-100+	12m	15m	good	varies: 2-5	high-low	contiguous		significant rock outcrops [adj. to bdy. No.19 Amaroo Ave.]/ significant tree group; Epu [1]- old growth specimen; natives incl. <i>Xanthorrhoea</i> , <i>Epacris</i> , <i>Acacia</i> spp.; no access.	
		Epu [4]	50-80+	9-12m	5-12m	good							
		Cgu [5]	50-80+	9-10m	4-7m	fair/ good							
		Epu [1]	30-40+	6m	6m	good							
		Al/ Ka	<10	up to 3-4m	varies	good							
Note: Remnant community is associated with a locally significant sandstone scarp/ rock shelf extending between 2-10 Allambie Road, 12 & 19 Amaroo Avenue and 78-88 Deepwater Road.													
													Survey Date: 10-14 Sept 2007
81 Deepwater Road: rear garden/ [Castle Cove Drive frontage] embankment to right-of-way	tree group	10ar(i)	Epip [1]	60-80+	10m	10m	fair	5	low	fragmented	TPO	Epip [1]- dead wood/ remove ivy on trunk; Cgu [2]- 70-90% crown die- back; dom. weeds [<i>Cinnamomum</i> , <i>Ligustrum</i> , <i>Nephrolepis</i> spp.].	
			Cgu [2]	40-50+	6-8m	4-6m	poor [1]/ v.poor [1]						
			Er/ Pu	<20	up to 5-7m	3-5m	regrowth						

												Survey Date: 4-8 June 2007
82/ 82A Deepwater Road: lower embankment/ scarp to street level	tree group remnant community s/s outcrops	10ar(i)	Cgu [2] Fru [1] Pu/ Be/ Al	50-60+ <10 up to 20-30+	5-6m 2m up to 4-6m	5m 2m varies	regrowth good good	varies: 3-5 [mainly 5]	medium-low	restricted	TPO	lower rock outcrops/ scarp; dom. weeds [<i>Nephrolepis</i> sp.]; Cgu [2]- heavily lopped/ epicormic regrowth; <i>Allocasuarina</i> , <i>Banksia</i> , <i>Caustis</i> spp. Pu regrowth; subject to bdy. survey.
84 Deepwater Road: vacant land [upper level]	tree group remnant community s/s outcrops s/s scarp	10ar(i)	Epu [1] Cgu [4] Era [1] Era [4] Al [15] Ka	40-50+ 30-50+ 80-100+ 20-40+ up to 20-40+ up to 20-40+	8m 5-9m 9m 6-8m up to 7m up to 3-4m	12m 4-7m 15m 2-7m varies varies	good good [2]/ fair [2] good good varies good	varies: 2-5	high-low	contiguous	TPO	significant rock outcrops/ remnant community; dom. weeds; Era [1]- old growth twin-trunk spec./ basal cavities; Era [4]- some dead wood; natives - <i>Hakea teretifolia</i> , <i>Acacia</i> , <i>Xanthorrhoea</i> , <i>Epacris</i> , <i>Dillwynia</i> , <i>Crowea</i> , <i>Woollsia</i> , <i>Dianella</i> spp.
mid-level terrace/ driveway & top of southern embankment			Era [1] Era [4] Cgu [4] Ac [1] Al [4]	50-60+ 20-50+ 30-60+ 40-50+ 20-40+	9m 6-8m 6-9m 9m 5-8m	5m 4-10m 3-10m 8m 3-5m	poor good good [1]/ fair [3] good good	varies: 3-5 [mainly 5]	medium-low	fragmented		rock outcrops; dom. weeds; <i>Euc.</i> <i>microcorys</i> self-sown; natives incl. <i>Crowea</i> , <i>Lomandra</i> , <i>Dianella</i> spp.; Pu regrowth.
lower embankment to street level			Bs [1] Al/ Be/ Pu Tla	50-60+ up to 20-30+ up to 15-20+	6m up to 3m up to 3m	3m varies varies	good regrowth regrowth					dom. weeds [<i>Nephrolepis</i> / <i>Lantana</i> spp.]; <i>Tristanopsis laurina</i> likely to be self-sown [ie. cultivated origin].
Note: Remnant community is associated with a locally significant sandstone scarp/ rock shelf extending between 2-10 Allambie Road, 12 & 19 Amaroo Avenue and 78-88 Deepwater Road.												
86 Deepwater Road: embankment to street [Deepwater Rd]/ below driveway	tree group remnant community	10ar(i)	Al/ Ka/ Pu Ahis [1] Lep/ Tla	up to 20-30+ 20-30+ up to 20-40+	up to 3m <1m up to 3-7m	varies 1m varies	regrowth regrowth regrowth	varies: 2-5 [mainly 3-4]	high-low	restricted	TPO	sandstone scarp/ outcrops; weeds; natives incl. <i>Gleichenia</i> / <i>Epacris</i> spp. <i>Tristanopsis laurina</i> / <i>Cyathea</i> sp., likely self-sown [ie. cultivated origin].
rear garden/ upper level	s/s outcrops s/s scarp		Cgu [1] Al [2] Al	60-80+ 30-40+ <5-10	7m 5-6m	10m 3-5m	good good saplings	varies: 4-5	low			significant rock outcrops; weeds; exotic garden; native <i>Lomandra</i> sp.; subject to bdy. survey.
Note: Remnant community is associated with a locally significant sandstone scarp/ rock shelf extending between 2-10 Allambie Road, 12 & 19 Amaroo Avenue and 78-88 Deepwater Road.												
												Survey Date: 28 May-1 June 2007
88 Deepwater Road: rear garden/ upper level	tree group s/s outcrops	10ar(i)	Ac [1] Al [2] Er [1]	80-100+ 20-30+ <10	9m 5-7m	15m 3-4m	good good sapling	varies: 4-5	low	restricted	TPO	exotic garden/ rock outcrops; Ac [1]- old growth specimen on bdy.to No.2 Allambie Rd; natives incl. <i>Epacris</i> / <i>Dianella</i> spp.
												Survey Date: 10-14 Sept 2007
91 Deepwater Road: rear garden/ adj. Castle Cove Drive/ garage	two trees	10ar(i)	Ac [1]	80-100+	10m	12m	fair	5	low	fragmented	TPO	garden; Ac [1]- old growth multi-trunk spec./ some dead wood & pruning/ remove <i>Hedera</i> sp. [ivy] on trunk;
front garden/ adj. Deepwater Rd verge			Ceg [1]	40-50+	7m	3m	good					Ceg [1]- possibly planted.
95 Deepwater Road: rear garden	single tree	10ar(i)	Ac [1]	40-50+	12m	7m	good	5	low	fragmented	adj.SEPP 19 /TPO	garden/ lawn area adj. to pool; Ac [1]- some pruning.
												Survey Date: 30 Apr-4 May 2007

110 Deepwater Road: rear garden	single tree	10ar(i)	Epu [1]	30-40+	10m	12m	good	5	low	isolated	TPO	exotic garden; no access to property; subject to bdy. survey; also generic native planting [<i>Eucalyptus</i> spp.].
Survey Date: 10-14 Sept 2007												
118 Deepwater Road: front garden/ lower western slope adj. to bdy. No.116 & verge [Deepwater Rd - below pool deck]	tree group remnant community s/s scarp s/s cutting	10ar(i)	Cgu [2] Era [1] Al [dom] Be	40-60+ 40-60+ up to 30-40+ up to 30-40+	7-8m 7m up to 5-6m up to 4-5m	5-7m 7m varies varies	v.poor fair good good	varies: 1-5 [1-2 south cnr]	high-low	restricted	TPO	scarp/ rock outcrops; remnant native community contiguous w. No.120 Deepwater Rd [see listing]; high biodiversity incl. <i>Banksia ericifolia</i> , <i>Grevillea speciosa</i> , <i>Leptospermum trinervium</i> , <i>Gleichenia</i> , <i>Calochlaena</i> , <i>Epacris</i> , <i>Actinotus</i> , <i>Hakea</i> , <i>Acacia</i> <i>Smilax</i> spp.; subject to bdy. survey.
120 Deepwater Road: front garden/ steep scarp/ cliff-face adj. to verge [Deepwater Rd]	tree group remnant community s/s scarp s/s cutting	10ar(i)	Aba Al/ Ap/ Er Be [1] Be	up to 20-30+ up to 15-20+ 30-40+ <10-15+	<1m up to 7-8m 6m up to 4-5m	<1m varies 3m <2m	good regrowth good good/ regen.	varies: 1-5 [1-3 west end]	high-low	restricted	TPO	scarp/ cliff-face; rock outcrops; dom. weeds [east end] grading to native heath/ high biodiversity [west end] - <i>Grevillea speciosa</i> , <i>Banksia ericifolia</i> <i>Gleichenia</i> , <i>Calochlaena</i> , <i>Actinotus</i> , <i>Hakea</i> , <i>Acacia</i> , <i>Smilax</i> spp.; verge/ <i>Tristaniopsis laurina</i> - cultivated origin
124 Deepwater Road: front garden/ lower scarp/ cutting adj. to verge [Deepwater Rd]	tree group s/s scarp s/s outcrops	10ar(i)	Bs [1] Al [1] Er [1]	30-40+ 20-30+ <10-15	4m 6m 3m	5m 4m 1m	fair fair/ lopped regrowth	5	low	isolated	TPO	scarp/ road cutting & rock outcrops; regrowth group/ heavily lopped; Pu regrowth; dom. weeds [<i>Lantana</i> / <i>Asparagus</i> spp.]
126 Deepwater Road: front garden/ steep slope	tree group remnant community s/s outcrops	10ar(i)	Cgu [2] Aba [1] Era [1] Fru [1] Al/ Ceg/ Er Gf/ Pu Esi	40-60+ 40-50+ 40-50+ 40-50+ up to 20-30+ up to 20-30+ <5	9-10m 4m 9m 8m up to 5-7m up to 5-7m <1m	7-8m 3m 7m 10m varies varies <1m	good/ poor fair v.poor good regrowth regrowth good	varies: 3-5 [mainly 5]	medium-low	fragmented	TPO	exotic garden/ rock outcrops; dom. weeds [<i>Nephrolepis</i> sp.]; native g/covers & ferns incl. <i>Gleichenia</i> / <i>Histiopteris</i> spp.; cultivated natives/ <i>Cyathea</i> sp.- likely cultivated origin. Era [1]- 80% crown die-back.
128 Deepwater Road: rear garden/ terraced courtyards & upper level	tree group remnant community s/s outcrops	10ar(i)	Cgu [1] Al/ Er/ Pu Aba [1]	50-60+ up to 20-30+ 40-50+	9m up to 5-7m 4m	7m varies 3m	good regrowth v.poor	varies: 3-5 [mainly 5]	medium-low	fragmented	TPO	exotic garden/ courtyards; significant rock outcrops; dom. weeds; natives incl. <i>Banksia ericifolia</i> , <i>Elaeocarpus</i> , <i>Calochlaena</i> , <i>Lomandra</i> spp; generic native planting [Eucs.] in front & rear garden; subject to bdy. survey.
131 Deepwater Road: rear garden/ current development site	tree group s/s outcrops	10ar(i)	Ac [1] Ac [2] Epu [2] Cgu [1] Bs [1] Er [1]	60-80+ 40-60+ 40-50+ 40-50+ 30-40+ 30-40+	10m 10-Dec 12m 10m 8m 7m	3m 3-6m 3-14m 8m 3m 4m	v.poor fair fair [1]/ lopped [1] fair good good	5	low	contiguous	adj.SEPP 19 /TPO	grassed area/ rock outcrops; dom. weeds; current development site; Ac [1]-- old growth spec./ lopped & ext. dead wood/ cavities; 1X Epu- heavily lopped; Cgu [1]- dead wood; subject to rear bdy.survey/ anomaly.

132 Deepwater Road: rear garden/ steep slope/ rock outcrops	tree group remnant community s/s outcrops	10ar(i)	Ceg/ Er Ac [1] Epip [1] Ceg [group] Aba [3] Bs [1] Cgu [1]	unknown 50-60+ 30-40+ 40-60+ 40-60+ 40-50+ 30-40+	<1m 9m 12m 3-5m 2-4m 7m 10m	<1m 9m 7m varies 3-5m 5m 6m	saplings/ regrowth good good good/ regrowth good good good	varies: 2-5 [mainly 5]	high-low	fragmented	TPO	significant rock outcrops/ steep slope; exotic garden/ weeds; large groups of <i>Angophora bakeri</i> / <i>Ceratopetalum</i> <i>gummiferum</i> - possibly much older; subject to bdy. survey; no access to rear garden.	
Note: Remnant community is associated with a locally significant sandstone scarp/ rock shelf extending between 128-136 Deepwater Road & 20 Daymar Place.													
													Survey Date: 3-7 September 2007
134 Deepwater Road: front garden/ steep embankment to verge	tree group remnant community	10ar(i)	Esi [1] Ap/Ceg/Er	30-40+ up to 20-30+	14m up to 6m	15m varies	good regrowth	varies: 4-5 [mainly 5]	low	restricted	TPO	embankment/ rock outcrops; dom. weeds; native regrowth incl. <i>Acacia</i> , <i>Elaeocarpus</i> , <i>Ceratopetalum</i> spp.	
rear garden/ upper rock outcrops	s/s outcrops		Cgu [1] Epu [1] Ac [1] Bs [2] Epu [1] Aba/ Cgu Cgu [2] Ac [1] Al/ /Ceg/ Pu Esi/ Ac	60-80+ 30-40+ 50-60+ 30-50+ 80-100+ up to 30-50+ 30-40+ 30-40+ up to 30-40+ <5	10m 8m 9m 3-5m 9m 5-8m 5-9m 4m up to 5-7m <1.5m	7m 7m 8m 4-6m 15m 1-3m 3-5m 3m varies <1m	good v.poor fair good poor regrowth fair v.poor regrowth saplings	varies: 2-5 [mainly 3]	high-low	contiguous	significant rock outcrops/ terraced exotic garden; weeds; subject to bdy survey; no access to rear garden; Epu [1]- old growth specimen; native understorey incl. <i>Ceratopetalum</i> , <i>Banksia</i> , <i>Allocasuarina</i> , <i>Pultenaea</i> , <i>Hakea</i> , <i>Epacris</i> , <i>Woolisia</i> , <i>Acacia</i> , <i>Xanthorrhoea</i> , <i>Lomandra</i> spp./ good regen; significant remnant community Epu/ Ac- some trees in very poor condition; ext. dead wood/ die-back.		
Note: Remnant community is associated with a locally significant sandstone scarp/ rock shelf extending between 128-136 Deepwater Road & 20 Daymar Place.													
136 Deepwater Road: front garden/ steep upper embankment to verge [below pool deck]	tree group remnant community	10ar(i)	Esi [1] Bs [2] Ceg/ Er/ Al	60-80+ 10-20+ <20-30	12m 1-5m up to 3-6m	16m 2-3m 1-3m	good good/ fair good/ regrowth	varies: 4-5	low	restricted	TPO	upper embankment/ rock outcrops; mulched; weeds [<i>Nephrolepis</i> sp.]; Esi [1]- trunk abrasion w. raised pool deck; dom. <i>Ceratopetalum</i> sp. [10+]	
rear garden/ upper western area adj. to bdy No.134 [rear of garage]	s/s outcrops		Bs [1] Cgu [2] Ac [1] Epu [1] Ceg/ Er	40-50+ 30-40+ 40-50+ 20-30+ up to 20-30+	6m 8-10m 6m 8m varies	5m 3-6m 6m 6m varies	good v. poor v. poor good regrowth	varies: 3-5	medium-low	contiguous		elevated rock shelf/ dom. weeds; Cgu [2]- ext. dead wood/ regrowth; Ac [1]- 70% crown die-back; remove ivy on tree trunks.	
138 Deepwater Road: front garden/ steep embankment to verge [below pool deck]	tree group s/s outcrops	10ar(i)	Bs [1] Al [1] Er/ Bs Ac [1]	60-80+ 20-30+ up to 15-20+ <5	6m 9m 3-6m 3m	8m 6m 2-3m 1m	good good good sapling	varies: 4-5	low	restricted	TPO	steep embankment/ rock outcrops; dom. weeds [<i>Nephrolepis</i> sp]; Bs[1]- remove <i>Jasminum</i> sp. on trunk; native <i>Calochlaena</i> sp.; Pu regrowth	
144 Deepwater Road: front garden steep embankment/ rockery	tree group s/s outcrops	10ar(i)	Epu [1] Ac [1] Bs [2] Er [1]	60-80+ 60-80+ 40-50+ 40-50+	12m 12m 3-5m 7m	8m 15m 2-5m 4m	good good good/ lopped good	5	low	restricted	TPO	exotic garden/ steep embankment; rock outcrops; Er [1]- multi-trunk; native <i>Calochlaena</i> sp.; cultivated natives incl. <i>Tristaniopsis laurina</i> .	
146 Deepwater Road: front garden/ lower level/ top of embankment to verge	tree group remnant community	10ar(i)	Epu [2] Ac [1] Ac [1]	60-80+ 40-50+ 15-20+	7-12m 9m 2m	10-12m 6m 1m	fair good lopped/ regrowth	varies: 3-5	medium-low	restricted	TPO	garden/ lawn; rock outcrops; Epu[2]- ext. dead wood/some pruning; native understorey incl. <i>Leptospermum</i>	

upper level near house/ balcony	s/s outcrops		Al [5]	up to 20-40+	4-7m	3-5m	good [4]/ fair [1]						<i>polygalifolium</i> [dom.], <i>Lambertia formosa</i> [old specimen], <i>Epacris</i> , <i>Dianella</i> , <i>Gleichenia</i> , <i>Calochlaena</i> & <i>Acacia</i> spp.; generic native planting
			Esi [1]	<5	3m	3m	sapling						
			Lep/ Al/ Ceg	up to 20-40+	2-5m	1-2m	good/ regrowth						
			Ac [1]	50-60+	10m	12m	good						[<i>Banksia integrifolia</i> , <i>Tristaniopsis</i> , <i>Acmena</i> & <i>Callicoma</i> spp.]
			Ceg [1]	60-80+	7m	6m	good						
			Bs [1]	20-30+	6m	3m	good						
148 Deepwater Road: front garden/ steep embankment to verge	tree group	10ar(i)	Epu [1]	40-50+	8m	8m	fair	varies: 3-5	medium-low	isolated	TPO	garden/ rockery; rock outcrops; dom. weeds; natives incl. <i>Leptospermum polygalifolium</i> and ferns <i>Gleichenia</i> , <i>Calochlaena</i> spp.; Pu regrowth.	
	remnant		Epu [3]	<10-15	2-6m	1-2m	saplings	[mainly 5]					
	community		Ac [1]	20-30+	1.5m	1m	regrowth						
	s/s outcrops		Lep/ Al/ Ceg	up to 20-40+	2-5m	1-2m	good/ regrowth						
rear garden			Epip [1]	80-100+	10m	7m	poor	5	low			small terraced garden/ lawn & courtyard; Epip [1]- old growth 900mm diam. base/ heavily lopped to base epicormic regrowth.	
150 Deepwater Road: front garden/ steep embankment to verge	two trees	10ar(i)	Epu [1]	40-50+	12m	10m	good	varies: 3-5	medium-low	isolated	TPO	garden/ rockery; rock outcrops; natives incl. <i>Dianella/ Epacris</i> spp.; also generic native planting.	
	s/s outcrops		Epu [1]	10-15+	7m	5m	good	[mainly 5]					
			Ceg/ Er	<10-15	up to 4m	1-2m	good/ regrowth						
154 Deepwater Road: front garden/ steep embankment to verge	single tree	10ar(i)	Ceg [1]	40-50+	10m	2m	good	varies: 4-5	low	isolated	TPO	rock outcrops; native <i>Calochlaena</i> sp. Er sapling; generic native planting.	
	s/s outcrops							[mainly 5]					
155 Deepwater Road: rear garden/ [upper level] adj. to reserve bdy.	tree group	10ag(i)	Ac [1]	80-100+	9m	10m	fair	varies: 4-5	low	restricted	adj.SEPP 19	terraced exotic garden/ lawn; rock outcrops; Ac[1]- old growth spec./ ext. dead wood & epicormic growth; Cal [1]- multi-trunk spec./ possibly much older; native regrowth/ regen on rock outcrops incl. <i>Elaeocarpus</i> , <i>Callicoma</i> , <i>Ceratopetalum</i> spp.	
	s/s outcrops		Cal [1]	60-80+	7m	6m	good						
			Ac [1]	60-80+	12m	12m	good						
			Ac [1]	30-40+	12m	5m	v.poor						
			Ceg/ Cal/ Er	up to 30-40+	up to 4-6m	varies	regrowth						
lower rear garden/ gully & creek-line			Ac	<5	<1m	<1m	saplings/ regen.						
158 Deepwater Road: front garden/ [upper level]	tree group	10ar(i)	Ac [1]	50-60+	10m	7m	fair	varies: 4-5	low	isolated	TPO	exotic garden/ rockery; Ac [1]- dead wood/ lopped regrowth.	
	s/s outcrops		Er [1]	20-30+	4m	2m	fair/ lopped						
			Epip [1]	80-100+	8m	12m	fair/ lopped						
			Cgu [1]	<10	sapling	fair/ lopped							
rear garden/ upper level			Al [1]/ Bs [1]	<10	2-4m	varies	fair/ lopped					rock outcrops/ weeds; Epip [1]- old growth multi-trunk/ 1400mm diam. base; dead wood/ heavily lopped; natives incl. <i>Smilax/ Pteridium</i> spp.; subject to bdy. survey.	
159 Deepwater Road: embankment between roadway & right-of-way	two trees	10ar(i)	Era [1]	80-100+	7m	15m	fair/ lopped	5	low	restricted	adj.SEPP 19	steep road-side embankment/ private [not public verge]; exotic garden/ weeds; Era[1]- old growth multi-trunk spec.at entry steps/ ext. dead wood; Era/ Ac- heavily lopped for o'head power-lines; Pu regrowth.	
			Ac [1]	30-40+	6m	5m	fair/ lopped						
162 Deepwater Road: front garden rear garden/ rock shelf along upper rear bdy.	tree group	10ar(i)	Esi [1]	10-15+	10m	5m	good	varies: 3-5	medium-low	isolated	TPO	garden/ lawn; owner confirmed Esi-self-sown; weeds [<i>Nephrolepis</i> sp.] native understorey[incl. <i>Allocasuarina</i>	
	s/s outcrops		Epip [1]	15-20+	10m	6m	good	[mainly 5]					
			Al [8]	up to 10-15+	up to 8m	varies	good						

			Cgu [1] Ceg/ Er	<10 <10	3m 3m	1m 1-2m	good/ sapling regrowth						<i>Dianella</i> & <i>Adiantum</i> spp.] assoc. w. rock shelf; Pu regrowth; remove <i>Ficus pumila</i> / <i>Hedera</i> sp. on trunks.
163 Deepwater Rd: embankment between roadway & right-of-way	tree group s/s outcrops	10ag(i)	Esi [2] Esi [2] Cgu [5] Al/ Ceg/ Er	30-40+ 15-20+ 30-40+ up to 20-30+	12-14m 6-9m 9-10m up to 5-7m	7-10m 2-4m 2-4m varies	good poor fair [3]/ poor [2] regrowth	varies: 3-5 [mainly 5]	low	restricted	adj.SEPP 19 /TPO	steep road-side embankment/ private [not public verge]; rock outcrops; mulched/ weeds; native <i>Dianella</i> , <i>Pteridium</i> , <i>Acacia</i> spp.	
164 Deepwater Road: rear garden	two trees s/s outcrops	10ar(i)	Era [1] Cgu [1]	30-40+ 40-50+	12m 18m	10m 6m	fair v. poor	5	low	isolated	TPO	upper lawn/ exotic garden; Era [1]- ext. epicormic growth; Cgu [1]- 80% crown die-back.	
165 Deepwater Rd: embankment between roadway & right-of-way	two trees s/s outcrops	10ag(i)	Esi [2] Al [1]	50-60+ <10	12-14m 4m	10-12m 2m	good regrowth	varies: 4-5 [mainly 5]	low	restricted	adj.SEPP 19 /TPO	steep road-side embankment/ private [not public verge]; rock outcrops; exotic garden/ weeds; Esi [2]- some dead wood; native regen. <i>Dodonaea</i> , <i>Pteridium</i> , <i>Acacia</i> spp.; Pu regrowth	
169 Deepwater Road: rear garden/ scarp	tree group s/s scarp s/s outcrops	10ag(i)	Ac [1] Ac [1]	60-80+ 40-50+	10m 14m	3m 5m	v.poor good	varies: 4-5	low	fragmented	adj.SEPP 19 /TPO	exotic garden/ scarp; rock outcrops; Ac[1]- older tree/ext. crown die-back; weeds; Pu regrowth; subject to bdy. survey; no access/ incomplete data.	
171 Deepwater Road: rear garden	tree group s/s outcrops	10ar(i)/ 10ag(i)	Ac [1] Ac [2] Epip [1] Epu [2] Cgu [2] Er/ Al/ Pu	80-100+ 40-50+ 30-40+ 40-50+ 40-50+ up to 20-30+	12m 12-15m 12m 12-15m 12-14m up to 5-7m	12m 6-8m 3m 8-12m 4-8m varies	good good v.poor good good regrowth	varies: 3-5 [mainly 4]	medium-low	contiguous	adj.SEPP 19 /TPO	steep slope/ rock outcrops; subject to bdy. survey; Ac[1]- old growth spec. Epip [1]- ext. crown die-back/ epicormic growth; cultivated generic natives [incl. <i>Corymbia citriodora</i>].	
175 Deepwater Rd: embankment between roadway & right-of-way	single tree	10ar(i)	Al [1] Er [1] Er	40-50+ <15-20 <5	9m 5m <1m	7m 3m	v.poor good regen.	varies: 4-5 [mainly 5]	low	restricted	adj.SEPP 19 /TPO	steep road-side embankment/ private [not public verge]; exotic garden; dom. weeds; Al [1]- 80% crown die-back; native <i>Pomaderris</i> sp.[2].	
177 Deepwater Road: front garden/ lower embankment adj. to right-of-way	single tree	10ar(i)	Era [1]	80-100+	9m	12m	fair	5	low	restricted	adj.SEPP 19 /TPO	Era[1]- old growth spec./ dead wood, insect damage/ epicormic growth; generic native planting [Eucs.].	
179 Deepwater Rd: embankment between roadway & right-of-way	tree group	10ar(i)	Cgu [1] Ceg/ Er	60-80+ up to 20-40+	14m up to 5-6m	16m varies	good good	varies: 3-5 [mainly 5]	medium-low	restricted	adj.SEPP 19 /TPO	steep road-side embankment/ private [not public verge]; dom. weeds; native <i>Calochlaena</i> sp.	
rear garden	s/s outcrops		Ac [1]	60-80+	14m	15m	poor					lawn; rock outcrops; Ac [1]- ext. dead wood/ 40% crown die-back.	
181 Deepwater Road: embankment between roadway & right-of-way	tree group	10ag(i)	Al/ Ka Al/ Er Pu	up to 20-30+ <5 up to 20-30+	up to 4-6m <1m up to 4-6m	varies varies varies	good regen. regrowth	varies: 4-5 [mainly 5]	low	restricted	adj.SEPP 19 /TPO	steep road-side embankment/ private [not public verge]; dom. weeds/ exotics; native <i>Breynia</i> sp.; generic native planting [Eucs.].	
183 Deepwater Road: embankment	tree group	10ag(i)	Al [20+]	up to 30-40+	up to 10-12m	varies	good	varies: 2-5	high-low	fragmented	adj.SEPP 19	steep road-side embankment/ private	

between roadway & right-of-way	remnant community		Er/ Ka/ Al Cal/ Pu	<10 up to 20-30+	<1m varies	varies varies	regen. regrowth	[mainly 2-3]			/TPO	[not public verge]; significant regen. group/ native understorey - <i>Acacia</i> , <i>Pultenaea</i> , <i>Woolisia</i> , <i>Polyscias</i> , <i>Grevillea</i> spp.; cultivated natives [<i>Tristaniopsis</i> sp.].
Refer to Deepwater Road - Public Reserves and Golfcourse for drainage reserve listing between 183-185 Deepwater Road [part of North Arm Reserve].												
185 Deepwater Rd: front garden/ upper embankment	tree group s/s outcrops	10ag(i)	Cal/ Er	up to 20-30+	3-6m	1-5m	good	varies: 4-5 [mainly 5]	low	restricted	adj.SEPP 19 /TPO	steep embankment; dom. weeds/ exotics [<i>Nephrolepis</i> sp.]; natives - <i>Omalanthus/ Calochlaena</i> spp.
rear garden/ lawn embankment to steep gully			Cgu [2] Cal/ Al/ Er	50-80+ up to 30-40+	14-16m up to 7-8m	10-12m varies	fair [1]/ good [1] good					no access; generic native planting/ <i>Cyathea</i> sp. [cultivated origin].
189 Deepwater Rd: rear garden/ steep embankment adj. to pool deck	tree group remnant community s/s outcrops	10ag(i)	Cgu [1] Bs [5] Epu [1]	80-100+ 40-80+ 40-50+	15m 7-12m 10m	12m 5-7m 10m	good good/ fair fair	varies: 3-5	medium-low	fragmented	adj.SEPP 19 /TPO	rock outcrops/ steep embankment; exotic garden/ dom. weeds; Cgu [1]- old growth spec.; significant remnant group/ cluster of <i>Banksia serrata</i> ; Epu [1]- remove <i>Wisteria</i> on trunk; natives incl. <i>Lomatia</i> , <i>Calochlaena</i> , <i>Lomandra</i> , <i>Smilax</i> spp.; generic native planting.
191 Deepwater Road: front garden/ steep embankment/ courtyard	single tree s/s outcrops	10ag(i)	Ac [1]	80-100+	15m	18m	good	5	low	restricted	adj.SEPP 19 /TPO	rock outcrops/ steep embankment; Ac [1]- old growth specimen.
rear garden/ east bdy.			Epip [1]	40-50+	18m	12m	good	varies: 3-5	medium-low	contiguous		weeds; subject to bdy. survey.
193 Deepwater Road: embankment between roadway & right-of-way	tree group	10ar(i)/	Al [3] Ceg[1] /Er[2]	30-40+ 10-30+	5-6m 1-6m	5-7m 1-2m	regrowth regrowth	varies: 3-5 [mainly 5]	medium-low	restricted	adj.SEPP 19 /TPO	steep road-side embankment/ private [not public verge]; weeds; Al [3]- regrowth/ pruned under o'head lines; Bs[1]- old growth spec.; natives incl. <i>Grevillea</i> , <i>Hardenbergia</i> , <i>Dodonaea</i> , <i>Xanthorrhoea</i> , <i>Pteridium</i> , <i>Lomandra</i> spp./ regen. Ac seedlings; generic native planting [Eucs.].
front garden/ upper lawn	s/s outcrops		Bs [1] Bs [1] Ac [1] Al [1] Pu	80-100+ unknown 60-80+ 15-20+ up to 30-40+	8m 2m 12m 6m up to 5-6m	10m 3m 15m 3m varies	good lopped/ regrowth good good regrowth					
rear lower garden/ adj. to bdy.	s/s outcrops	10ag(i)	Cal/ Ceg	up to 20-40+	up to 6-8m	varies	regrowth			contiguous		subject to rear bdy. survey; dense understorey regrowth; rock outcrops; native <i>Calochlaena</i> sp.
195 Deepwater Road: embankment between roadway & right-of-way	tree group	10ar(i)/	Al [3] Ac [1]	30-40+ <5-10	6-7m	5-7m	regrowth sapling	varies: 3-5 [mainly 5]	medium-low	restricted	adj.SEPP 19 /TPO	steep road-side embankment; dom. weeds/ exotics; Al [3]- regrowth/ pruned under o'head lines; natives - <i>Platysace linearifolia</i> , <i>Podocarpus</i> <i>spinulosus</i> , <i>Woolisia</i> , <i>Dianella</i> spp. generic native planting; embankment is private property [not public verge]. Epip/Cgu- dead trees/ rock outcrops; exotic garden; some native g/covers.
rear lower garden	s/s outcrops	10ag(i)	Al [2] Ceg/ Pu	20-30+ up to 30-40+	3-9m varies	6-8m varies	good [1]/ poor [1] regrowth			contiguous		
197 Deepwater Road: embankment	tree group	10ar(i)	Al [1]	40-50+	12m	6m	v.poor	varies: 4-5	low	restricted	adj.SEPP 19	steep road-side embankment; dom.

between roadway & right-of-way			Ac [2] Al [4] Er/ Ap/ Pu	5-10+ 10-30+ up to 20-30+	1-2m 5-8m up to 4-8m	1-3m 3-6m varies	lopped good [3]/ v.poor [1] regrowth	[mainly 5]			/TPO	weeds/ exotics; Al [1]- bracket fungi/ recommend arborist inspection; native <i>Dianella/ Calochlaena</i> spp.; generic native planting; embankment is private property [not public verge].
Survey Date: 2-6 April 2007												
205 Deepwater Road: embankment between roadway & right-of-way	tree group	10ag(i)	Esi [2] Al [2]	50-60+ 20-30+	14-16m 5-6m	12-14m 5m	poor/ v.poor fair	varies: 4-5 [mainly 5]	low	fragmented	adj.SEPP 19 /TPO	steep road-side embankment; dom. weeds; 1 XEsi on bdy.Nos.205-207; Esi [2]- ext. dead wood/ heavily lopped under o'head powerlines; native g/covers [incl. <i>Lomatia</i> spp.]; embankment part of private properties [not public verge].
207 Deepwater Road: embankment between roadway & right-of-way	tree group	10ag(i)	Era [1] Al/ Er	40-50+ <10-20	9m <4-5m	15m varies	poor good	varies: 3-5 [mainly 5]	medium-low	restricted	adj.SEPP 19 /TPO	steep road-side embankment; dom. weeds; Era [1]- ext. dead wood; native grasses/ understorey [incl. <i>Allocasuarina, Acacia, Elaeocarpus,</i> <i>Boronia, Dianella</i> spp.]; Era regen.; planted generic natives [<i>C.citriodora</i>]
Refer to Morella Place - Residential Properties for adjoining portion of embankment [2-4 Morella Place].												
Deepwater Road - Public Reserves and Golf Course:												Survey Date: 10-14 Sept 2007
public reserve between rear boundaries of Nos.1-3 Deepwater Road, 25-39 Deepwater Road & 329G-339 Eastern Valley Way	tree group remnant community s/s outcrops	10ar(i)	Epip/ Ac Cgu/Ac/Epip Esi/Era Gf/ Al/ Pu Bs/Ceg/Fru	80-100+ up to 30-60+ up to 30-60+ up to 20-40+ up to 20-40+	12-14m up to 10-14m up to 10-14m up to 5-6m up to 5-6m	12-16m varies varies varies varies	varies varies varies regrowth/ regen. regrowth/ regen.	varies: 2-5 [mainly 3-4]	high-low	fragmented	TPO	narrow bushland reserve/ fragmented canopy& highly impacted by exotics/ dom. weeds; mixed native canopy spp./some old growth specimens; native understorey- <i>Hakea, Boronia,</i> <i>Acacia, Leptospermum, Calochlaena</i> <i>Billardiera, Hardenbergia, Lomandra,</i> <i>Gahnia, Hypolepis, Dianella</i> spp.; cultivated natives- <i>Eucalyptus</i> spp./ <i>Banksia integrifolia/ Dendrobium</i> <i>speciosum</i> - likely cultivated origin.
Survey Date: 4-8 June 2007												
Castle Cove Country Club (68 Deepwater Road)												
The golf course and original clubhouse was designed in 1924 by American architect, Walter Burley Griffin and built on land owned by his company, Greater Sydney Development Association Ltd. Castle Cove Country Club was formed in 1932. The new clubhouse opened in 1965. Tennis courts were added in 1981. The site is owned by Wiloughby City Council [information source: WCC]. The golf course roughs/ boundaries, service/ maintenance & ancillary areas are dominated by cultivated generic natives [incl. <i>Eucalyptus, Corymbia, Lophostemon, Tristaniopsis</i> & <i>Melaleuca</i> spp.]. Remnant native tree groups/ understorey spp. are scattered throughout these areas, particularly where sandstone outcrops occur. These groups would respond to a bush regeneration strategy.												
1. Clubhouse & car parking area (Deepwater Road frontage/ south-eastern corner)												
adj. to 10th tee/ clubhouse	tree group remnant community	10ar(i)	Cgu [6] Al/ Bs/ Ka	30-60+ up to 30-50+	8-12m up to 3-9m	5-10m varies	fair/ good good/ regrowth	varies: 2-4	high-low	restricted	TPO	remnant native group assoc.w. rock outcrops [incl. <i>Platysace, Epacris,</i> <i>Acacia, Kunzea, Pomaderris</i> spp].

	s/s outcrops											
adj. to rear service/ parking area & embankment [rear of clubhouse]	tree group s/s outcrops		Al/ Ka Epu/ Fru	<10-20 <5-10	up to 3-7m	varies	regrowth saplings	varies: 4-5 [mainly 5]	low	restricted		rock outcrops; dom. weeds; native <i>Calochlaena</i> sp.; Pu regrowth.
southern embankment between service area/ lower car park	tree group s/s scarp s/s outcrops		Fru [1] Fru [2] Al/ Pu	60-80+ 30-40+ <10-20	10m 7-8m up to 6-7m	14m 6-7m varies	v.poor fair regrowth	varies: 4-5 [mainly 5]	low	restricted		Fru [1]- ext. crown die-back; dom. weeds [<i>Ligustrum/ Olea</i> spp.]; significant scarp/ rock outcrops.
adj. to car parking area [north-western side]	single tree remnant community		Ecap [1]	80-100+	6m	10m	fair	varies: 4-5 [mainly 5]	low	restricted		mown grass; Ecap [1]- multi-trunk old growth spec./ regrowth; some lopping; isolated <i>Xanthorrhoea</i> spp.
2. Southern boundary (Deepwater Road incl. tennis courts/ constructed wetland area)												
service road/ rough south of 10th tee [near tennis courts]	tree group	10ar(i)	Cgu [2] Al [4] Ka	40-50+ 30-60+	10-12m 8-9m	8-12m 5-10m	good good regrowth	varies: 4-5	low	isolated	TPO	mown grass/ rough; remnant natives within <i>E. microcorys</i> plantation; Al [4]- multi-trunk group; <i>Dianella</i> sp.
rough between tennis courts/ near creek/ constructed wetlands	tree group		Ecap [1] Al [dom] Cgu [1] Eha [3] Ecap [1]	60-80+ up to 30-40+ 40-50+ 40-60+ 40-50+	12m 5-8m 9m 9-10m 8m	15m varies 6m 6-12m 10m	v.poor varies v.poor good [1]/ fair [1]/ v.poor [1] poor	5	low	restricted		Ecap [1]- ext. crown die-back/ 60% dead wood; Cgu [1]- ext. die-back; dom. weeds; altered drainage/ water table; exotic/native planting; Ecap[1]- damaged crown; Pu regrowth.
mown grass adj. to 8th green/ west side of constructed wetland	tree group		Cgu [2] Al [2]	50-80+ 60-80+	12-14m 10m	8-10m 7-10m	good good [1]/ poor [1]	5	low	restricted		Cgu[2]- some dead wood in crowns; regular mowing regime.
adj. to 8th tee [north-side]	remnant community s/s outcrops		Al/ Ka	<10	<6m	varies	regen.	5	low	isolated		rock outcrops/ native regen. area; mulched garden/ exotic & generic native planting.
boundary rough adj. to Nos.58-60 Deepwater Road [lower slope]	tree group remnant community s/s outcrops		A his[2] Gf/ Pu Ka/ Al	40-50+ <10 up to 30-50+	2-3m up to 5-6m up to 3m	3-5m varies up to 4m	fair regrowth good	varies: 2-5 [mainly 5]	high-low	restricted		Ahis[1]- <i>Angophora hispida</i> possibly planted/ also Ahis[1] sapling; regen. assoc. w. rock outcrops; native <i>Kunzea, Allocasuarina, Acacia</i> spp.
3. South-western boundary (incl. core bushland area & central roughs)												
core bushland adj. to bdy. No.60 Deepwater Road/ lower level	core community s/s outcrops	10ar(i)	Epu [dom] Al/ Ka Be/ Bs	up to 50-60+ up to 40-50+ up to 40-50+	up to 8-9m up to 3-7m up to 3-6m	varies varies varies	good good good	varies: 1-2	high	contiguous	TPO	v. significant bushland on elevated ground/ rock shelf; high biodiversity/ native understorey- <i>Acacia ulicifolia</i> , <i>A. suaveolens</i> / <i>A. terminalis</i> , <i>Epacris Platysace</i> , <i>Crowea</i> , <i>Xanthorrhoea</i> , <i>Pomaderris</i> , <i>Persoonia</i> , <i>Gleichenia</i> , <i>Cautis</i> , <i>Lepidosperma</i> , <i>Dianella</i> spp minimal exotic weeds
adj. to north bdy.No.60 Deepwater Road/ upper level [south of 15th tee]	remnant community		Al/ Ka/ Bs Pu [dom]	up to 30-40+ up to 30-40+	up to 3-7m up to 5-7m	varies varies	good regrowth	varies: 2-5 [mainly 4-5]	high-low	fragmented		dom. weeds [Nephrolepis sp.]; native <i>Calochlaena</i> sp.
boundary rough adj. to 7th & 16th fairways [east of core bushland]	tree group		Epu [1] Epu [1] Ecap [1] Al [3]	60-80+ 20-30+ 40-50+ 30-50+	10m 12m 8m 7-8m	20m 6m 10m 6-7m	good fair fair good	varies: 4-5	low	fragmented		remnant trees w. varying physical damage; Epu [1]- basal cavity; Ecap [1]- ext. dead wood; some remnant g/covers incl. <i>A. suaveolens</i>

mown grass adj. to detention basin [west of 7th & 16th tee]	tree group		Era [3] Era [1]	80-100+ 40-50+	9-10m 12m	12-15m 18m	fair good	5	low	restricted		Era [3]- old growth specimens up to 1000mm DBH/ some pruning, insect & golf ball damage/ cavities.
mown grass between tennis courts and public amenities [south of 7th & 16th tee]	tree group		Cgu [2] Era [2]	40-50+ 40-50+	9-10m 9m	8-10m 8-9m	good good	5	low	restricted		Cgu/ Era- group in lawn adj. to cultivated native group [Eucs].
mown grass/ rough adj. to 5th & 14th tee [central]			Egl [1]? Era [2] Bs [1]	50-60+ 60-80+ 60-80+	12m 9-10m 7m	14m 6-12m 7m	poor poor good	5	low	restricted		Egl [1]- heavily lopped/ dead wood; Era [2]- ext. cavities/ insect damage
4. Northern boundary (Headland Road - Neerim Road incl. northern roughs to fairways)												
boundary rough adj. to rear bdy. No.15 Cove Circuit/ 13th tee	two trees s/s outcrops	10ar(i)	Bs [1] Era [1]	50-60+ 20-30+	3m 6m	5m 5m	lopped lopped/ regrowth	5	low	restricted	TPO	rock outcrops; weeds; Bs[1]- heavily lopped; Era [1]- regrowth from stump.
adj. to 4th tee/ cnr. Headland Road and Neerim Road	tree group remnant community s/s outcrops		Cgu [1] Epu [1] Epu [8] Bs [2] Al/ Ka Ap/ Pu Epu	30-40+ 60-80+ 20-40+ up to 20-40+ up to 20-30+ up to 20-30+ <5	4m 10m 8-10m 1-6m up to 3-7m up to 5-7m	3m 12m 5-8m 1-2m varies varies	regrowth good good good good regrowth saplings	varies: 3-5 [mainly 4-5]	medium-low	restricted		significant rock outcrops; mown lawn native- <i>Acacia parramattensis</i> [dom.] regen. <i>Calochlaena/ Kunzea</i> spp.; <i>Lomandra</i> sp. possibly planted; weeds [<i>Cinnamomum camphora</i>]; cultivated natives [<i>Euc. botryoides</i>]
mown grass/ rough between 3rd tee & 13th green	tree group		Era [11]	80-100+	7-9m	7-20m	fair/ good	5	low	restricted		significant remnant tree group/ highly fragmented incl. 4 X groups/ all old growth/ multiple trunk specimens; cavities/ insect & golf ball damage.
5. Eastern boundary (Neerim Road & Parnoo Avenue to Deepwater Road)												
boundary rough/ rock outcrop adj. to 12th tee/ rear bdy. No.2 Neerim Road	remnant community s/s outcrops	10ar(i)	Ka [2] Al	30-40+ up to 10-20	3-4m <2m	1-4m varies	good regrowth	varies: 3-5 [mainly 5]	medium-low	restricted	TPO	exotic garden; rock outcrop; weeds; <i>Banksia ericifolia/ B. integrifolia</i> - possibly both cultivated.
boundary rough/ mid-level rock outcrops adj. to 2nd/ 11th tee	remnant community s/s outcrops		Al	<10	1-4m	varies	regrowth	varies: 2-4	high-low	restricted		good native regen. [incl. <i>Platysace</i> , <i>Crowea</i> , <i>Acacia</i> , <i>Dianella</i> spp.]. assoc. w. rock outcrops.
boundary rough/ upper level adj. No.3 Parnoo Ave/ 2nd & 11th tee	tree group s/s outcrops		Cgu [2] Al [10] Epu [1]	30-50+ up to 20-30+ 30-40+	10-12m 2-10m 10m	5-6m 1-7m 10m	fair/ poor varies good	varies: 4-5 [mainly 5]	low	restricted		rock outcrops; dom. weeds [<i>Olea/ Nephrolepis</i> spp.]; cultivated generic natives [Eucs]; Pu regrowth.
boundary rough adj. to rear bdy. Nos. 2-3 Parnoo Avenue [incl. lower level/ mown grass adj. to 2nd/ 11th tee]	tree group remnant community s/s outcrops		Bs [1] Epu [5] Eha [1] Eha [1] Cgu [2] Al [5] Ka/ Pu Epu	80-100+ 20-40+ 80-100+ 20-30+ 30-50+ up to 30-50+ up to 30-40+ <5-10	8m 5-10m 9m 6m 8-10m up to 9m up to 3-4m	12m 6-8m 16m 8m 4-7m up to 6-9m varies	good good fair good v.poor good [4]/ poor [1] good saplings	varies: 2-5	high-low	restricted		remnant native tree group in mown grass/ grading to bushland adj. rear bdy No.2; Bs [1]- old growth spec./ massive sprawling trunk over rocks; Eha [1]- old growth spec./ twin trunk ext. dead wood; dom. weeds/ exotic gardens [<i>Cinnamomum camphora</i>]; natives incl. <i>Caustis pentandra</i> , <i>Kunzea</i> , <i>Xanthorrhoea</i> , <i>Pultenaea</i> ,

											<i>Lepidosperma, Dianella</i> spp.; generic native planting in grassed areas.	
boundary rough between 10th fairway/ rear bdy. to Nos. 3-13 Amaroo Avenue	tree group remnant community s/s outcrops		Cgu [3] Eha [2] Al/ Ka/ Bs Ka/ Al/ Be	40-50+ 60-80+ up to20-40+ <5-10	10-12m 9-10m up to 3-9m	varies 9-14m varies	fair/ good poor regrowth regen.	varies: 2-5 [mainly 4-5]	high-low	restricted		highly fragmented/ disturbed remnant group; mown grass/ dom. weeds [<i>Ligustrum/ Nephrolepis</i> spp.]; Eha [2]- ext. dead wood/cavities adj. rear bdy. No.9 Amaroo Ave.
Willis Park (Deepwater Road - Willis Park Group) Willis Park is a major bushland reserve scheduled as SEPP 19: Bushland in Urban Areas(Public Open Space) in the Willoughby City Bushland Plan of Management (2000).												
drainage reserve/ upper gully & creek-line between Nos.107-109 Deepwater Rd	tree group remnant community s/s outcrops	10ar(i)	Epip [1] Al [1] Ceg/ Cal Al/ Ap	60-80+ 30-40+ up to 20-30+ <10	10m 6m up to 5-6m up to 3-4m	12m 4m varies varies	good good regrowth/ regen. regen.	varies: 1-5 [mainly 5]	high-low	fragmented	SEPP 19/ TPO	drainage reserve/ creek-line; lawn; rock outcrops; weeds; good regen; native understorey/ regrowth incl. <i>Callicoma, Ceratopetalum, Gahnia, Calochlaena, Gleichenia, Smilax</i> spp; <i>Banksia robur</i> [2], <i>Tristaniopsis, Cyathea</i> spp. likely cultivated origin; Pu regrowth; subject to bdy. survey.
North Arm Reserve (Deepwater Road - North Arm Group) North Arm Reserve is a major bushland reserve scheduled as SEPP 19: Bushland in Urban Areas(Public Open Space) in the Willoughby City Bushland Plan of Management (2000).												
reserve/ upper level between Nos.149-153 Deepwater Road	regen. area	10ar(i)/	Epip/ Al	<10	up to 5-9m	up to 6m	good	varies: 3-5 [mainly 5]	medium-low	fragmented	SEPP 19/ TPO	bush regen./ rehabilitation area; local & generic native planting; natives incl. <i>Breynia, Acacia, Grevillea, Banksia, Imperata</i> spp.; exotics/ weeds; grading to core bushland.
lower slope	core bushland community	10ag(i)	Ac [dom.]	up to 60-80+	up to 12-15m	varies	good					
drainage reserve/ upper gully & creek-line between Nos. 153-155 Deepwater Road	tree group s/s outcrops	10ag(i)	Epu [1]	60-80+	12m	14m	see notes	5	low	restricted	SEPP 19/ TPO	terraced gardens; upper gully/ creek-line; Epu [1]- dead wood/ cavities; dom. weeds/ exotics; Pu regrowth/ <i>Cyathea</i> sp. [dom]/ cultivated origin; native <i>Calochlaena</i> sp.; grading to core bushland community on scarp/ lower gully [North Arm Reserve].
gully/ creek-line above scarp			Pu [dom] Ac/ Al/ Fru	up to 40-50+ varies	up to 10-12m varies	varies varies	good varies	varies: 3-5	medium-low	contiguous		
reserve/ upper level between Nos.171-173 Deepwater Road	tree group s/s outcrops	10ar(i)/	Epu [1]	50-60+	10m	12m	good	varies: 3-5 [mainly 5]	medium-low	contiguous	SEPP 19/ TPO	subject to bdy. survey; Epu [1]- adj. to carport [No.171 Deepwater Rd]/ some dead wood; dom. weeds.
lower slope		10ag(i)	Epip [1] Epu [1]	50-60+ 40-50+	12m 10m	12m 12m	good fair					lawn; rock outcrops; Epu [1]- ext. dead wood; Pu regrowth; cultivated generic natives.
steep upper embankment/ gully between Nos.183-185 Deepwater Road	tree group remnant community s/s outcrops	10ag(i)	Al [8+] Er [2]	up to 40-50+ up to 15-20+	4-10m 5-7m	3-7m 2m	lopped good	varies: 3-5	medium-low	fragmented	SEPP 19/ TPO	steep embankment; Al [8+]- regrowth group/ heavily lopped under o'head lines; dom. exotics/weeds [<i>Lantana, Nephrolepis, Alocasia</i> spp]; remnant natives- <i>Acacia terminalis, Grevillea,</i>
lower gully area/ creek-line			Cgu [1] Ac [1]	40-50+ 40-50+	16m 15m	6m 8m	good v.poor					

												<i>Dianella</i> spp./ large group of <i>Breynia oblongifolia</i> ; generic native planting. Cgu[1]- remove <i>Parthenocissus</i> sp. on trunk; Ac[1]- 90% crown die-back lower gully- remnant group grading to core bushland community
Deepwater Road - Road Reserves and Drainage Easements:												Survey Date: 30 Apr-4 May 2007
adj. to 8B Deepwater Road: grass verge	tree group	10ar(i)	Ka/ Al	<10-15	1.5-2m	up to 2m	regrowth	varies: 4-5 [mainly 5]	low	isolated	TPO	grass verge/ exotic grasses; good regen./ seedlings; <i>Leptospermum polygalifolium</i> - cultivated origin.
												Survey Date: 12-16 Nov 2007
verge adj. to Castle Cove PS school grounds/ opp. Nos.39-41 Deepwater Road	tree group s/s outcrops	10ar(i)	Esi [1]	20-30+	9m	4m	fair	varies: 4-5 [mainly 5]	low	fragmented	TPO	dom. weeds; cultivated natives.
road cutting opp. Nos.43-49 Deepwater Road	remnant community s/s cutting s/s outcrops		Al [dom.] Bs/ Be/ Ka Ac/ Esi	up to 30-40+ up to 30-40+ <10	up to 6-7m up to 3-4m <2m	varies varies <1m	good good saplings/ regen.	varies: 1-3	high-medium			rock cutting/ outcrops; good native regen./ high biodiversity incl. <i>Acacia ulicifolia</i> , <i>Hakea</i> , <i>Epacris</i> , <i>Dianella</i> , <i>Gleichenia</i> , <i>Smilax</i> , <i>Pteridium</i> spp.
Refer to Kendall Road - Road Reserves and Drainage Easements [Castle Cove Public School] for core bushland community listing on adjacent rock outcrops.												
												Survey Date: 10-14 Sept 2007
central island/ embankment & retaining wall in roadway opp. 49-63 Deepwater Road	remnant community s/s outcrops	10ar(i)	Ac [1] Ac/ Al/ Ka Fru	15-20+ <10 <10	4m <1.5m <1.5m	3m <1m varies	good regen. good	varies: 4-5 [mainly 5]	low	restricted	TPO	rock outcrops; dom. weeds/ generic native planting- [<i>Casuarina glauca</i> , <i>Eucalyptus</i> spp.]/ <i>Banksia ericifolia</i> , <i>Leptospermum</i> , <i>Hardenbergia</i> & <i>Cyathea</i> spp. likely cultivated origin; some native regen. incl. <i>Dodonaea</i> , <i>Hakea</i> , <i>Calochlaena</i> , <i>Acacia</i> spp.
adj. to 136 Deepwater Road: mulched verge at base of steep embankment	tree group	10ar(i)	Epu [1] Esi [1] Ap/Ceg/Er	50-60+ 30-40+ up to 10-15+	10m 16m varies	10m 12m varies	fair good regen.	varies: 4-5	low	restricted	TPO	mulched verge; Esi [1]- damaged branch/ decay; weeds; native regen. <i>Acacia parramattensis</i> , <i>Elaeocarpus Ceratopetalum</i> & <i>Calochlaena</i> spp.
Denawen Avenue - Residential Properties:												Survey Date: 30 Apr-4 May 2007
1 Denawen Avenue: St Peters Anglican Church/ central courtyard	single tree	10ar(i)	Cgu [1]	50-60+	12m	8m	fair	5	low	fragmented	TPO	exotic garden/ lawn; paved courtyard Cgu - dead wood/ epicormic growth.
Eastern Valley Way - Residential Properties:												Survey Date: 10-14 Sept 2007
329 Eastern Valley Way: upper embankment adj. to right-of-way	tree group s/s outcrops	10ar(i)	Egl [1] Epip [2] Ac [1] Ac [1] Ac [8] Al [1]	50-60+ 50-60+ 50-60+ 60-80+ 20-30+ 40-50+	8m 9-10m 10m 5m 7-10m 7m	10m 8-9m 6m 8m 2-4m 9m	good fair [1]/ poor [1] good regrowth good poor	5	low	fragmented	TPO	steep embankment; rock outcrops; Epip X1 [poor]- ext. dead wood; Ac [1]- ext. basal cavity/ regrowth; dom. weeds- <i>Cinnamomum</i> / <i>Phyllostachys</i> [dom.] <i>Nephrolepis</i> spp.; also generic native planting [<i>Corymbia</i> / <i>Euc</i> .spp];

lower southern embankment			Cgu [1]	60-80+	12m	10m	good					Ac [8]- immature/ possibly planted;	
			Cgu [1]	20-30+	9m	5m	good					Al [1]- ext. dead wood; listings subject to boundary survey.	
adj. to lower south-eastern bdy.			Cgu [1]	30-40+	9m	4m	good					Cgu X3- some dead wood in crowns	
329D Eastern Valley Way: west garden/ adj. to bdy. No.329C	tree group s/s outcrops	10ar(i)	Ac [1]	30-40+	7m	7m	fair	5	low	restricted	TPO	exotic garden; dom. weeds; Ac [1]- leaning trunk/ recommend arborist inspection; Esi [1]- heavily lopped/ remove <i>Hedera</i> sp.[ivy] on trunk.	
			Esi [1]	50-60+	9m	10m	fair/ lopped						
rear [south] garden adj. to pool			Esi [1]	40-50+	7m	7m	good					Esi [1]- on significant rock shelf/ outcrop; Pu regrowth; also 1 X Esi- dead tree [unknown age].	
329E Eastern Valley Way: garden	two trees	10ar(i)	Cgu [1]	40-50+	9m	4m	good	varies: 4-5	low	fragmented	TPO	lawn/ exotic garden; weeds; Cgu[1]- some crown dead wood; natives incl <i>Hypolepis</i> , <i>Lomandra</i> , <i>Dianella</i> spp.	
			Ac [1]	40-50+	12m	5m	good	[mainly 5]					
329F Eastern Valley Way: east garden/ adj. to bdy. No.329E	tree group s/s outcrops	10ar(i)	Epip [1]	80-100+	10m	16m	fair	5	low	fragmented	TPO	significant native tree group/ cluster; exotic garden; rock outcrops; dom. weeds [<i>Ligustrum</i> , <i>Cinnamomum</i> , <i>Nephrolepis</i> , <i>Asparagus</i> spp.]; Epip [1]- dead wood; cultivated natives [<i>Corymbia</i> / <i>Lophostemon</i> spp.].	
			Ac [1]	50-60+	10m	7m	good						
			Ac [2]	20-40+	7-9m	2-3m	good						
			Cgu [2]	30-40+	8-9m	3-4m	good [1]/ poor [1]						
western garden adj. to bdy. No.329G/ rock shelf			Epip [1]	80-100+	10m	15m	good	varies: 4-5	medium-low				
			Epip [1]	60-80+	12m	8m	fair	[mainly 5]					
			Ac [1]	80-100+	8m	14m	fair						
			Bs [1]	40-50+	7m	3m	good						
			Pu [dom.]	up to 30-40+	up to 5-7m	varies	regrowth						
upper terrace level/ north-eastern bdy. to Nos.41-43 Deepwater Rd			Esi [1]	80-100+	10m	7m	v.poor					terraced garden; Epip[1]/ Ac[1]- old growth specimens/ Ac [1]- basal cavity/some dead wood; Bs [1]- remove <i>Hedera</i> sp.[ivy] on trunk.	
													significant rock outcrops along upper bdy.; dom weeds; Pu regrowth; Esi[1]- old growth spec./90% crown die-back/ dead branches & cavity.
329G Eastern Valley Way: front garden	tree group s/s outcrops	10ar(i)	Cgu [1]	50-60+	10m	12m	good	varies: 4-5	low	fragmented	TPO	exotic garden/ large rock outcrops; Epip [1]- on bdy. to No.329F; Ac [1]- damaged crown/ epicormic regrowth; also cultivated natives [Eucs.].	
			Epip [1]	40-50+	7m	7m	fair	[mainly 5]					
			Ac [1]	50-60+	9m	1m	poor/ regrowth						
331 Eastern Valley Way: front garden	tree group remnant community s/s outcrops	10ar(i)	Ac [2]	80-100+	12-14m	14-16m	good	varies: 3-5	medium-low	fragmented	TPO	steep garden; native group assoc. w. significant rock outcrops; Ac [2]- old growth specimens on upper level; good native regen. incl. <i>Callicoma</i> , <i>Ceratopetalum</i> , <i>Leptospermum</i> , <i>Banksia</i> , <i>Elaeocarpus</i> , <i>Calochlaena</i> spp.; Ceg [1]- multi-stemmed; native planting/ Bs X2 possibly cultivated; subject to boundary survey.	
			Ac [3]	30-40+	6-9m	3-6m	good	[mainly 5]					
			Esi [1]	10-20+	9m	4m	good						
			Ceg [1]	60-80+	6m	8m	good						
			Cgu [1]	30-40+	8m	3m	good						
			Bs [4]	20-40+	3-5m	2-6m	good						
			Be [1]	40-50+	6m	3m	good						
			Al/ Er	up to 10-20+	up to 3-5m	varies	regrowth/ regen.						
			Ceg/ Cal	up to 10-20+	up to 3-5m	varies	regrowth/ regen.						
			Ac	<5	<1m	<1m	seedlings/ regen.						

rear garden [adjoins reserve boundary]			Cgu [2] Esi [2] Cgu [1] Bs [2]	40-50+ 20-30+ 30-40+ <15	7-8m 7-10m 8m 3-4m	6-7m 5-8m 3m 1-2m	good good fair good	varies: 4-5 [mainly 5]	low			outcrops; native <i>Persoonia levis</i> [3m HT], <i>Dianella</i> sp.; Bs [2]- possibly cultivated; Pu regrowth.
333 Eastern Valley Way: front garden	two trees s/s outcrops	10ar(i)	Ac [1] Fru [1]	50-60+ 15-20+	9m 3m	12m 5m	good good	varies: 4-5 [mainly 5]	low	fragmented	TPO	terraced garden/ rock outcrops; native understorey- <i>Calochlaena/ Acacia</i> spp.; also cultivated natives- <i>Eucalyptus/ Corymbia</i> spp.; Fru [1]- possibly planted.
335 Eastern Valley Way: front garden	tree group s/s outcrops	10ar(i)	Ac [1] Esi [1] Cgu [1]	50-60+ 30-40+ 50-60+	5m 7m 12m	8m 4m 4m	good poor poor	5	low	fragmented	TPO	terraced exotic garden/ lawn; rock outcrops; Ac [1]- sculptural specimen adj. to driveway; Esi [1]- epicormic growth; Cgu [1]- ext. dead wood.
337 Eastern Valley Way: front garden	tree group s/s outcrops	10ar(i)	Ac [2] Era [1] Esi [1]	50-60+ 50-60+ 30-40+	9-10m 9m 9m	9-10m 8m 10m	good fair fair	5	low	fragmented	TPO	exotic garden/ lawn; weeds; Era [1]- dead wood; Esi [1]- dead wood/ epicormic growth; native <i>Dianella</i> sp.
rear garden			Epil [1] Ac [1]	80-100+ 60-80+	22m 16m	22m 12m	good good			restricted		rock outcrops; Epil [1]- old growth multi-trunk specimen/ 1200mm DBH- possibly cultivated.
For remnant native trees in 341 Eastern Valley Way see 2 Deepwater Road listing.												
Eastern Valley Way - Road Reserves and Drainage Easements:												
steep embankment between Eastern Valley Way/ right-of-way opposite Nos.333-337 Eastern Valley Way	tree group s/s outcrops	10ar(i)	Era [2] Ac [3] Cgu [3] Pu	20-40+ 20-40+ 20-40+ up to 20-30+	7-8m 7-9m 6-9m up to 4-6m	5-7m 4-10m 1-6m varies	fair good good [1]/ fair [1] regrowth	varies: 4-5 [mainly 5]	low	restricted	TPO	steep embankment; rock outcrops; dom. weeds; native understorey incl. <i>Polyscias</i> , <i>Dianella</i> , <i>Lomandra</i> , <i>Themeda</i> spp.; inter-mixed generic native planting [<i>Melaleuca</i> , <i>Corymbia</i> <i>Eucalyptus</i> spp.]; some listed trees [immature] possibly cultivated.
adj. to 339 Eastern Valley Way: grass verge	single tree	10ar(i)	Esi [1]	80-100+	10m	18m	good	5	low	isolated	TPO	grass verge adj. to front bdy; Esi [1]- old growth specimen/1300mm DBH.
adj. to 2 Deepwater Road: [341] Eastern Valley Way frontage/ asphalt pathway next to bus stop	two trees s/s outcrops	10ar(i)	Esi [1] Ac [1]	80-100+ 40-50+	15m 8m	20m 3m	good good	varies: 4-5 [mainly 5]	low	restricted	TPO	pathway/ rock outcrops: Esi [1]- old growth spec./ 1300mm DBH/ dead wood/ termite damage/ lopped for adj. o'head powerlines; dom. weeds; native <i>Dianella/ Lomandra</i> spp.
Emerstan Drive - Residential Properties:												Survey Date: 13-17 Nov 2006
1 Emerstan Drive: upper south- western garden adj. to Willis Rd	single tree s/s outcrops	10ag(i)	Ac [1]	50-60+	16m	14m	good	varies: 4-5 [mainly 5]	low	restricted	TPO	terraced garden; rock outcrops; part of larger contiguous tree group [see 11 Willis Road]; native <i>Calochlaena</i> sp.; subject to boundary survey.
2 Emerstan Drive: upper western garden on bdy. to Willis Rd verge	single tree	10ag(i)	Epu [1]	40-50+	16m	12m	fair	varies: 4-5 [mainly 5]	low	restricted	TPO	Epu [1]- ext. dead wood in crown/ possibly cultivated; other generic

												native tree planting on property.
5 Emerstan Drive: front garden	two trees	10ag(i)	Ac [1] Epu [1]	50-60+ 50-60+	16m 20m	12m 16m	good good	5	low	restricted	TPO	exotic garden/ lawn; Epu [1]- some dead wood in crown.
6 Emerstan Drive: front garden/ on bdy. to verge	single tree	10ag(i)	Ac [1]	30-40+	16m	12m	good	5	low	restricted	adj.SEPP 19 /TPO	exotic garden/ lawn; subject to bdy. survey.
7 Emerstan Drive: front garden/ adj. to bdy. No.9	single tree	10ag(i)	Cgu [1]	30-40+	14m	6m	good	varies: 4-5 [mainly 5]	low	restricted	TPO	exotic garden/ lawn; <i>Nephrolepis</i> sp. native <i>Calochlaena/ Dodonaea</i> spp.
11 Emerstan Drive: front garden/ adj. to driveway	tree group s/s outcrops	10ag(i)	Ac [2] Ac [1]	40-60+ 30-40+	16m 10m	7-10m 5m	good/ fair good	5	low	restricted	TPO	exotic garden; Ac X1/ fair - adj. front bdy.- basal cavity/ insect damage
12 Emerstan Drive: front garden/ northern	tree group s/s outcrops	10ag(i)	Epip [1] Ac [2] Ac [1]	80-100+ 60-80+ 50-60+	18m 25m 14m	15m 16m 12m	good good good	varies: 4-5 [mainly 5]	low	fragmented	adj.SEPP 19 /TPO	exotic garden/ rock outcrops; weeds; Epip [1]- old growth spec./ 900mm diam. base; also Ac seedlings.
13 Emerstan Drive: rear garden	single tree	10ag(i)	Cgu [1]	60-80+	22m	12m	good	5	low	restricted	TPO	exotic garden; Cgu [1]- adj. rear bdy. & bdy. No.15; no access to property
14 Emerstan Drive: front garden/ adj. to grass verge	tree group	10ag(i)	Ac [1] Ac [2]	60-80+ 50-60+	15m 14-15m	12m 12-15m	good good	5	low	restricted	TPO	garden/ rockery; listings subject to bdy.survey; Ac[1]- multi-trunk [3] spec./ adj. to right-of-way to No.12.
16 Emerstan Drive: front garden	tree group remnant community	10ag(i)	Ac [1] Al [1] Ac [3] Ac/ Al/ Er	60-80+ 30-40+ 20-40+ <5	16m 12m 10-16m <1m	12m 6m 3-7m <1m	fair poor good[2]/ fair[1] good/ regen.	varies: 3-5	medium-low	fragmented	TPO	exotic/ native garden; subject to bdy. survey; part of larger contiguous tree group; Ac[1]- lower slope/some dead wood; Ac[3]- near front bdy; Al [1]- 40% die-back/ dead wood; weeds; native regen.- <i>Dodonaea</i> , <i>Dianella</i> , <i>Allocasuarina</i> , <i>Acacia</i> , <i>Imperata</i> spp.
rear garden/ adj. to pool			Ac [1]	50-60+	15m	15m	good	5	low			
Refer to Emerstan Drive - Road Reserves and Drainage Easements: adj. to 16 Emerstan Drive listing.												
17 Emerstan Drive: rear garden/ upper level	tree group remnant community s/s outcrops	10ag(i)/ 10ar(i)	Ac [1] Ac [1] Ac [3] Al [6] Bs [2] Bs [2] Er [2] Ac	80-100+ 50-60+ 30-40+ 10-30+ 30-40+ <15 <10 <5	16m 12m 8-10m 4-7m 5-8m 4-5m 3m up to 2m	14m 8m 5-7m up to 6m 3-6m 3-4m 1m <1m	good fair good[2]/ fair[1] good good fair good regen/ saplings	varies: 2-5 [mainly 4-5]	high-low	fragmented	TPO	exotic garden/ weeds [<i>Nephrolepis</i> sp.]; Ac [1]- old growth specimen; significant native tree group/ remnant understorey [<i>Elaeocarpus</i> , <i>Banksia</i> , <i>Calochlaena</i> , <i>Grevillea</i> , <i>Dodonaea</i> , <i>Acacia</i> , <i>Smilax</i> & <i>Pterostylis</i> spp.] assoc.w. rock outcrops/ upper level rear bdy; recommend regen. strategy
18 Emerstan Drive: front garden/ north-east [adj. to right-of-way]	tree group	10ag(i)	Epip [1] Ac [2]	60-80+ <5	18m <1m	10m <1m	fair/ lopped good/ regen.	5	low	restricted	adj.SEPP 19 /TPO	garden; Epip[1]- heavily pruned/ ext. dead wood/ over-hanging adj. pool [No.16 Emerstan Dve]; recommend arborist inspection; also Ac saplings. Ac [1]- heavily pruned.
rear garden/ pool courtyard adj. to bdy. No.12			Ac [1]	40-50+	15m	10m	good					
19 Emerstan Drive: front garden/ embankment	tree group	10ag(i)/ 10ar(i)	Ac [3] Er [1]	30-40+ <10	8-15m 7m	5-7m 1m	good good	varies: 4-5	low	fragmented	TPO	exotic garden; weeds; Ac [3]- some pruning/ dead wood; Pu regrowth.
rear garden/ upper level adj. to pool area & rear bdy. to No.40 Cammaray Rd.	remnant community s/s outcrops		Ac [1] Ac [2] Cgu [1]	60-80+ 30-40+ 30-40+	15m 10-12m 10m	12m 3-6m 5m	good good/ lopped[1] good	varies: 3-5	medium-low			part of contiguous native tree group assoc. w. rock outcrops/ cutting [see 17 Emerstan Dve]; native <i>Lomandra</i>

			Bs [1]	30-40+	5m	5m	good						<i>Sticherus</i> & <i>Pteridium</i> spp.
20 Emerstan Drive: upper north-eastern garden	two trees s/s outcrops	10ag(i)	Ac [1] Ac [1]	40-50+ 40-50+	14m 14m	6m 9m	good good/ lopped	varies: 4-5	low	fragmented	adj.SEPP 19 /TPO	steep slope/ exotic garden; Ac [1]- adj. to carport/ bdy. to No.26/ some dead wood; Ac [1]- thru pool deck/ heavily pruned; native <i>Calochlaena</i> spp; large rock outcrops adj. reserve.	
21 Emerstan Drive: front garden	tree group	10ar(i)	Era [2]	30-50+	10m	8-12m	good	5	low	restricted	TPO	terraced exotic garden; <i>Dianella</i> / <i>Pteridium</i> spp.; Pu regrowth.	
west boundary garden	s/s outcrops		Ac [8] Cgu [1] Ceg [1] Al [1]	15-40+ 15-20+ 40-50+ 30-40+	10-12m 8m 8m 12m	4-6m 3m 3m 4m	good good fair v. poor	varies: 4-5				rock outcrops; Ac [5]- multiple stems possibly regrowth on single stump; Al [1]- 40% die-back/ dead wood; also seedling <i>Allocasuarina</i> sp.	
upper rear garden	remnant community		Bs [1] Ac [6] Al [2] Er/ Gf/ Bs Ac	20-30+ 20-50+ 30-40+ <10 <10	4m 5-9m 5-6m up to 2-3m	3m 1-4m 5-6m varies	fair regrowth good [1]/ poor [1] regrowth saplings	varies: 3-5 [mainly 5]	medium-low			Ac [5] good/Ac [1] poor; dom.weeds [<i>Lantana</i> sp.]; native g/ covers incl. <i>Lycopodium</i> [clubmoss]/ <i>Pterostylis</i> sp.[greenhood orchids]/ <i>Smilax</i> sp. <i>Acacia</i> sp./ <i>Banksia spinulosa</i> assoc. w. large rock outcrops	
22 Emerstan Drive: front garden	two trees	10ag(i)	Ac [1]	50-60+	18m	12m	good	5	low	fragmented	TPO	lawn/ garden; Ac [1]- adj. 22A bdy.	
rear garden			Ac [1] Ac/ Al	40-50+ <5	16m	7m	good regen.					Ac [1]- some dead wood; mulched garden/ herbicide treatment; native regen./ seedlings & <i>Pteridium</i> sp.	
25 Emerstan Drive: front garden	single tree	10ar(i)	Era [1]	40-50+	6m	6m	fair	5	low	isolated	TPO	exotic garden/ dom. weeds; dead wood in crown/ insect damage.	
26 Emerstan Drive: front garden [northern garden]	tree group s/s outcrops	10ag(i)	Ac [2] Cgu [2]	50-60+ 30-40+	14-16m 12-14m	12-15m 4-5m	good fair/ good lopped	5	low	fragmented	adj.SEPP 19 /TPO	garden/ lawn; weeds; large rock outcrops; Ac [2]- some dead wood; generic native planting.	
rear lower garden [south]			Cal [5]	30-40+	<4m	<4m	good	varies: 4-5				<i>Callicoma serratifolia</i> / <i>Calochlaena</i> spp; dom. weeds [<i>Nephrolepis</i> sp.].	
28 Emerstan Drive: front garden [northern garden]	tree group s/s outcrops	10ag(i)	Epip [2] Ac [2] Bs [1] Ceg [1]	80-100+ 30-40+ 30-40+ 30-40+	14-15m 10-12m 3m 5m	12-15m 3-7m 6m 4m	good good fair good/ pruned	varies: 3-5 [mainly 5]	medium-low	fragmented	adj.SEPP 19 /TPO	garden/ lawns; rock outcrops; Epip [2]-old growth/ multi-trunk specimens near entry to house; Era [1]- lopped at base/ ext. dead wood; native g/covers - <i>Smilax</i> / <i>Calochlaena</i> spp.	
near eastern boundary			Ac [1] Era [1]	50-60+ 40-50+	15m 14m	10m 9m	good fair					large rock outcrops; lawn/deck; dom. weeds; very old <i>Notelaea longifolia</i> / <i>Callicoma</i> / <i>Ceratopetalum</i> & <i>Breynia</i> spp./Pu regrowth; <i>Calochlaena</i> sp.	
rear garden [southern garden]	remnant community		Ceg/ Cal Nol [1]	up to 40-50+ 80-100+	3-5m 6m	varies 3m	regrowth good					<i>Grevillea</i> / <i>Lomatia</i> spp. & Ac/ Cgu regen. assoc. w. rock outcrops.	
adj. to right-of-way			Cgu [1] Ceg [2]	30-40+ 10-20+	8m 3-7m	9m 2-3m	good good/ regen.						
29 Emerstan Drive: front garden/ embankment adj. to verge	tree group	10ar(i)	Eha [1] Eha [2]	50-60+ 30-40+	9m 10m	12m 8-12m	good good	varies: 3-5 [mainly 5]	medium-low	isolated	TPO	adj. vegetable garden; dom. weeds; Eha [1]- 3 X trunk regrowth; <i>Banksia</i>	

	remnant community		Al [1] Aba [2] Cgu/ Gf/ Er	50-60+ unknown unknown	6m <1m	10m <1m	good regrowth regrowth					<i>spinulosa/ Acacia</i> & native grasses, g/ covers incl. <i>Dianella</i> , <i>Glycine</i> & <i>Patersonia</i> spp.
30 Emerstan Drive: front garden	tree group	10ag(i)	Era [1] Era [1] Ceg [1]	50-60+ 40-50+ 30-40+	10m 9m 3m	10m 14m 3m	fair good good/ lopped	5	low	restricted	TPO	upper verge/ garden bed. lawn area/ rock outcrops.
38 Emerstan Drive: front garden	tree group	10ar(i)	Cgu [1]	50-60+	14m	9m	good	varies: 4-5	low	fragmented	adj.SEPP 19	adj. No.40 driveway/ bdy.; subject to boundary survey; garden/ lawn;
rear garden	s/s outcrops		Ac [1] Ac [1] Cgu [1] Er [2]	30-40+ 15-20+ 40-50+ <10	14m 9m 10m <2m	9m 5m 10m	good good good saplings/ regen.	[mainly 5]			/TPO	rock outcrops/ weeds; Cgu [1]- near bdy.No.40; <i>Breynia</i> sp; also generic native planting [<i>Eucs/ Acacia</i> spp.].
40 Emerstan Drive: front garden	tree group	10ar(i)	Cgu [1]	<15-20	6m	2m	regrowth	5	low	restricted	adj.SEPP 19	garden/ lawn; generic native planting;
rear garden/ south-west bdy. cnr.			Ac [1] Er [1]	30-40+ 30-40+	12m 8m	9m 4m	good v. poor				/TPO	Er [1]- 60% die-back; subject to bdy. survey; dom. weeds;
rear garden/ south-east bdy. cnr.			Cgu [2] Bs [1] Ceg/ Pu	50-60+ 15-20+ <15-20	12-14m 8m varies	10-12m 3m	good good regrowth					Cgu [2]- some dead wood.
42 Emerstan Drive: front garden/ near garage/ driveway	tree group	10ar(i)	Cgu [1] Gf [2]	50-60+ 30-40+	8m 7-8m	7m 5-6m	good good	5	low	restricted	adj.SEPP 19	exotic garden/ lawns; weeds; Cgu-damaged main trunk/ garage;
rear garden	s/s outcrops		Cgu [2] Al [2] Cgu [1] Bs [1] Ceg [1] Pu/ Er Ple	40-50+ 40-60+ 60-80+ 60-80+ 40-50+ <15-20 unknown	10-12m 8-10m 15m 10m 4m varies 2m	8-9m 6-7m 12m 6m 2m 1m	good v. poor good fair good/ lopped regrowth regrowth	varies: 3-5 [mainly 5]	medium-low	contiguous	/TPO	large rock outcrops; Cgu {2}- some dead wood; Al [2]- 50-60% die-back; <i>Persoonia levis</i> , <i>Smilax/ Pteridium</i> , <i>Dianella</i> spp; also planted Ceg [2]; native regen. <i>Elaeocarpus/ Acacia</i> , <i>Pandorea</i> spp. in south-west cnr.
44 Emerstan Drive: rear garden	single tree	10ar(i)	Era [1]	50-60+	7m	8m	poor	5	low	restricted	adj.SEPP 19	lawn; on rear bdy/ hedge; Era [1]- extensive dead wood in crown.
46 Emerstan Drive: rear garden/ adj. to boundary to reserve	remnant community	10ar(i)	Al [1] Bs [1] Be [1]	15-20+ 30-40+ 30-40+	5m 6m 6m	5m 6m 7m	good good good	varies: 4-5 [mainly 5]	low	contiguous	adj.SEPP 19	new residence; exotic/ mulched garden beds; rock outcrops; planted <i>Kunzea/ Elaeocarpus</i> spp.
Emerstan Drive - Road Reserves and Drainage Easements:												Survey Date: 23-27 October 2007
<i>For single tree [Ac] - part of larger group adj. to 1 Emerstan Drive [Willis Road frontage] see Willis Road - Road Reserves and Drainage Easements.</i>												
adj. to 4 Emerstan Drive: verge	single tree	10ag(i)	Ac [1]	15-20+	16m	12m	good	5	low	restricted	TPO	grass verge/ exotic garden.
adj. to 16 Emerstan Drive: grass verge	tree group	10ag(i)	Ac [5] Ac [7] Al [1]	50-60+ 20-40+ 15-20+	16-18m 12-15m 10m	10-14m 3-6m 3m	good good poor	varies: 4-5	low	fragmented	TPO	garden/ lawn; subject to bdy.survey; [see listing for 16 Emerstan Dve]; significant remnant native tree group; Ac[7]- some may be multiple stems; Al [1]- 40% die-back/ dead wood.
adj. to 22 Emerstan Drive: grass verge/ west of driveway	tree group	10ag(i)	Ac [3] Ac [1]	30-40+ <10-20	16-18m <1m	6-8m <1m	good lopped/ regrowth	5	low	fragmented	TPO	grass verge; part of larger contiguous native tree group [see above].
grass verge/ east of driveway			Ac [1]	60-80+	18m	16m	good					

adj. to 22A Emerstan Drive: grass verge	single tree	10ag(i)	Al [1]	50-60+	14m	7m	v. poor	5	low	fragmented	TPO	grass verge; Al [1]- 60% die-back/ ext. dead wood in crown.
adj. to 42 Emerstan Drive: grass verge	single tree	10ar(i)	Eha [1]	20-30+	10m	12m	good	5	low	isolated	TPO	likely cultivated
Headland Road - Residential Properties:											Survey Date: 4-8 June 2007	
1 Headland Road: upper south- western garden	tree group	10ar(i)	Era [1]	60-80+	10m	15m	good	varies: 4-5 [mainly 5]	low	restricted	adj.SEPP 19 /TPO	exotic garden/ lawn; Era [1]- insect damage/ cavities.
rear garden			Epu [2]	30-40+	9-10m	10-12m	good [1]/ poor [1]					lawn; exotics/ weeds; generic native planting [Eucs.]; native <i>Dianella</i> sp.
2 Headland Road: north garden/ adj. to bdy. No.4 Headland Rd	two trees s/s outcrops	10ar(i)	Ecap [1] Ceg [1]	40-50+ 40-50+	7m 5m	9m 3m	good fair	5	low	isolated	TPO	exotic garden/ lawn; rock outcrops; Ecap[1]- some dead wood; Ceg[1]/ & <i>Adiantum</i> sp. possibly planted.
4 Headland Road: rear garden/ paved courtyard adj. to pool [Kendall Road frontage]	single tree	10ar(i)	Era [1]	80-100+	9m	12m	good	5	low	isolated	TPO	Era [1]- old growth/ multi-trunk spec. some dead wood/ pruning & cavities
											Survey Date: 4-8 June 2007	
11 Headland Road: front garden	tree group	10ar(i)	Era [3]	80-100+	9-12m	10-12m	good	5	low	restricted	adj.SEPP 19 /TPO	exotic garden/ lawn; Era [3]- significant old growth group/ some dead wood in crowns/ lopping.
13 Headland Road: front garden/ adj. to front bdy. & driveway	single tree	10ar(i)	Era [1]	80-100+	9m	12m	good	5	low	restricted	adj.SEPP 19 /TPO	Era [1]- old growth twin-trunk spec./ basal cavity in smaller trunk.
											Survey Date: 9-13 October 2000	
14 Headland Road: front garden rear garden	tree group	10ag(i)	mixed species	up to 40+	< 15m	varies	good	5	low	restricted	TPO	terraced gardens/ rock outcrops
											Survey Date: 4-8 June 2007	
15 Headland Road: rear garden	single tree	10ar(i)	Eha [1]	80-100+	10m	12m	poor	5	low	restricted	adj.SEPP 19 /TPO	Eha [1]- old growth spec./ insect & storm damage/ 60% crown die-back.
											Survey Date: 9-13 October 2000	
16 Headland Road: front garden	two trees	10ag(i)	Eh [2]	up to 40+	12-15m	12-15m	good	5	low	restricted	TPO	terraced gardens/ rock outcrops
20 Headland Road: front garden	single tree	10ag(i)	Eh [1]	30-40+	15m	12m	good	5	low	restricted	TPO	terraced gardens/ rock outcrops
22 Headland Road: front garden	tree group s/s outcrop	10ag(i)	mixed species	up to 40+	< 15m	varies	good	varies: 4-5	low	restricted	TPO	terraced gardens/ rock outcrops
26 Headland Road: front garden	single tree	10ag(i)	Ac [1]	50-60+	15m	12m	fair	5	low	restricted	TPO	terraced gardens/ rock outcrops
28 Headland Road: front garden	tree group	10ag(i)	mixed species	up to 40+	12-15m	varies	good	varies: 4-5	low	restricted	TPO	terraced gardens/ rock outcrops
32 Headland Road: front garden	single tree s/s outcrop	10ag(i)	Ac [1]	50-60+	15m	12m	fair	5	low	restricted	TPO	some dead wood/ die-back in crown s/s outcrop to front boundary/ fern
<i>Refer to Headland Road - Road Reserves and Drainage Easements for <i>Gleichenia dicarpa</i> listing on verge adjoining this property.</i>												
34 Headland Road: front garden	two trees	10ag(i)	Ac [2]	up to 30-40+	12m	7m	good	5	low	restricted	TPO	terraced gardens/ rock outcrops
36 Headland Road: front garden	tree group	10ag(i)	Epip	up to 50+	< 12m	< 12m	fair	varies: 4-5	low	restricted	TPO	dead wood and crown die-back
40 Headland Road: front garden	single tree	10ag(i)	Epip [1]	40-50+	12m	12m	poor	varies: 4-5	low	restricted	TPO	dead wood and crown die-back

42 Headland Road: front garden	single tree	10ag(i)	Cgu [1]	up to 30+	14m	6m	fair	5	low	restricted	TPO	dead wood and crown die-back
56 Headland Road: front garden	tree group s/s outcrop	10ag(i)	Eh/ Ac/ Bs	up to 30+	4-6m	n/a	good	varies: 4-5	low	restricted	TPO	terraced gardens/ rock outcrops
Headland Road - Public Reserves:												
Public Reserve and Lookout between 43-49 Headland Road	remnant community/ s/s scarp scenic view	10ar(i)	mixed species	up to 30+	< 8m	n/a	fair	3	medium	contiguous	SEPP 19	TPO/ part of H D Robb Reserve; modified remnant community dom. regrowth of <i>Acacia parramattensis</i> / <i>Allocasuarina littoralis</i> ; exotic weeds significant natural escarpment & scenic vista of Middle Harbour
<i>For Castle Cove Golf Course [cnr. Headland Road/ Neerim Road] refer to Deepwater Road: Public Reserves and Golf Course</i>												
Headland Road - Road Reserves and Drainage Easements:											Survey Date: 4-8 June 2007	
north-east of No.17 Headland Rd/ opp. 4th tee [CCCC]: grass verge	single tree	10ar(i)	Epu [1]	60-80+	12m	12m	good	varies: 4-5 [mainly 5]	low	contiguous	adj.SEPP 19 /TPO	pruning for o'head powerlines [aerial bundling]; adjoins core bushland [Castle Cove Reserve Group];
											Survey Date: 9-13 October 2000	
adj. 32 Headland Rd: grass verge	remnant community s/s outcrop	10ag(i)	Gd	unknown	n/a	n/a	excellent	varies: 3-5	medium	restricted	TPO	<i>Gleichenia dicarpa</i> [Pouched Coral- fern] on verge at base of s/s outcrop
Holly Street - Residential Properties:											Survey Date: 26-30 Nov 2007	
34 Holly Street: rear garden/ steep upper embankment	two trees s/s outcrops	10ar(i)	Bs [1] Ceg [1]	50-60+ 40-50+	3m 4m	5m 5m	good good	varies: 4-5 [mainly 5]	low	isolated	TPO	exotic terraced garden/rock outcrops; Bs[1]- on upper rock outcrop; weeds; natives- <i>Calochlaena</i> / <i>Pteridium</i> spp.
36 Holly Street: rear garden/ upper level rock outcrops	tree group s/s outcrops	10ar(i)	Bs [1] Gf [1] Eha [1]	60-80+ 30-40+ 40-50+	3m 7m 7m	6m 7m 10m	good good good	5	low	isolated	TPO	exotic terraced garden/ significant rock outcrops; Bs[1]- on upper rock outcrop; also Bs X1- dead tree/ old growth spec.; weeds; Pu regrowth.
40 Holly Street: rear garden/ steep upper embankment	tree group s/s outcrops	10ar(i)	Al [1] Cgu [3] Al [2]	30-40+ 30-50+ <10-15	6m 8-10m 3-4m	7m 6-7m 1-3m	fair fair[2]/ poor[1] good	varies: 4-5 [mainly 5]	low	restricted	TPO	exotic garden/rock outcrops; Cgu [3]- ext. dead wood/ 1 X Cgu [poor]- remove <i>Ficus pumila</i> on trunk; dom. weeds; Pu regrowth.
42 Holly Street: rear garden/ steep upper embankment	tree group remnant community s/s scarp s/s outcrops	10ar(i)	Epu [3] Cgu [1] Cgu [1] Ac [2] Al [6] Fru [1] Ceg [1] Al/ Fru	20-30+ 40-50+ 20-30+ 20-30+ up to 20-40+ 30-40+ 20-30+ <5	7-9m 10m 5m 4-7m 4-7m <1m 5m <1m	4-6m 6m 2m 3-6m 1-3m <1m 1m <1m	good fair fair/ lopped fair [1]/ lopped [1] good [3]/ poor [2]/ v.poor [1] lopped/ regrowth fair saplings/ regen.	varies: 3-5 [mainly 5]	medium-low	restricted	TPO	significant rock outcrops/scarp; native regrowth group; ext. tree pruning; dom. weeds; Epu X1- remove exotic [<i>Parthenocissus</i> sp.] on trunk; Cgu[1]-dead wood/epicormic growth; Fru [1]- upper scarp/ lopped to base; Cgu X1- dead tree; native g/covers incl. <i>Calochlaena</i> , <i>Smilax</i> , <i>Dianella</i> spp.; Pu regrowth; cultivated natives [<i>Acacia</i> sp.]; subject to bdy.survey.

44 Holly Street: rear garden/ steep upper embankment	tree group s/s outcrops	10ar(i)	Epu [1] Epu [1] Al [1] Er [2] Fru [1]	60-80+ 15-20+ 30-40+ 10-20+ 20-30+	10m 9m 7m 5-7m 3m	14m 5m 6m 2-4m 4m	fair fair v. poor good good	5	low	restricted	TPO	exotic terraced garden/rock outcrops; Epu [2]- dead wood in crowns/ Epu X1 remove exotic [<i>Tecomaria</i> sp.] on trunk; dom. weeds; cultivated natives	
Holly Street - Road Reserves and Drainage Easements:												Survey Date: 9-13 October 2000	
For listing refer to Kendall Road - Road Reserves and Drainage Easements - Castle Cove Public School [Holly Street Group].													
												Survey Date: 4-8 June 2007	
adj. to 9A Holly Street: grass verge	single tree	10ar(i)	Era [1]	30-40+	6m	7m	fair	5	low	restricted	TPO	Era [1]- some dead wood/ cavities.	
Holly Street - Public Reserves:													
Castle Cove Park: (south-western section of reserve adjacent to Holly Street between No.9A and oval)													
Holly Street verge/ entry to fire- trail adj. to No. 9A Holly Street	remnant bushland community	10ar(i)	Epu [dom] Al/ Pu/ Er	up to 60-80+ up to 30-40+	up to 10-12m up to 6-7m	varies varies	good good	varies: 3-5 [mainly 4-5]	medium-low	fragmented	SEPP 19/ TPO	adjoins core bushland adj. to fire-trail; dom. weeds/ highly modified; under bush regen.; <i>Persoonia/ Acacia</i> spp.	
Kendall Road - Residential Properties:												Survey Date: 12-16 Nov 2007	
6 Kendall Rd: lower rear garden/ rock outcrops/ adj. to rear bdy. [vehicular right-of-way]	tree group remnant community s/s outcrops	10ar(i)	Ac [1] Ac [2] Al [2] Al/ Ac	80-100+ 40-50+ 20-30+ <5	9m 5-6m 1.5-5m <1.5m	12m 3-4m varies <1m	fair fair good regen./ regrowth	varies: 2-5 [on rock: 2]	high-low	isolated	TPO	exotic garden; significant rock outcrop native understorey incl. <i>Platysace</i> , <i>Crowea</i> , <i>Dianella</i> , <i>Lomandra</i> spp.; weeds [<i>Nephrolepis</i> sp.]; subject to boundary survey.	
												Survey Date: 4-8 June 2007	
13 Kendall Road: front garden/ adj. to front bdy.	single tree	10ar(i)	Af [1]	40-50+	12m	14m	good	5	low	isolated	TPO	exotic garden/ lawn; <i>Angophora floribunda</i> - likely planted.	
18 Kendall Rd: lower rear garden/ rock outcrops/ adj. to rear bdy.	remnant community s/s outcrops	10ar(i)	Pu [dom] Er [1] Al	up to 20-30+ 10-20+ <5-10	2-3m 7m	varies 1m	regrowth good regen.	varies: 3-5 [mainly 5]	medium-low	restricted	TPO	rock outcrops/ exotic garden; dom. weeds [<i>Nephrolepis</i> sp.]; no native canopy/ good understorey regen. - <i>Acacia suaveolens</i> , <i>Xanthorrhoea</i> , <i>Woolisia</i> , <i>Epacris</i> , <i>Dianella</i> spp.; also generic native planting [Eucs.]; subject to bdy. survey.	
23-25 Kendall Road: right-of-way/ upper driveway/ adj. to No.27	tree group	10ar(i)	Epu [1]	50-60+	12m	7m	good	5	low	isolated	adj. SEPP 19 /TPO	lawn/ upper driveway; Epu [1]- remove ivy [<i>Hedera</i> sp.] on trunk.	
rear garden	s/s outcrops		Epu [2] Epu [1] Ka/ Be Pu/ Ap Ac [1]	60-80+ 20-30+ up to 20-30+ up to 20-30+ <5	9m 8m up to 2-3m up to 5-6m 3m	10-12m 8m varies varies 1m	good good regrowth/ regen. regrowth/ regen. sapling	varies: 4-5		fragmented		exotic garden; rock outcrops; subject to bdy.survey; dom. weeds; native <i>Acacia parramattensis</i> , <i>Kunzea/</i> <i>Banksia</i> spp. regen; also cultivated native spp.	
27 Kendall Road: rear garden/ lower section below pool deck	single tree	10ar(i)	Epu [1]	60-80+	14m	10m	fair	5	low	restricted		TPO	lawn; Epu [1]- ext. lopping/ 50% crown removal.
41 Kendall Road: front garden	tree group	10ar(i)	Era [1] Era [1]	80-100+ 50-60+	8m 9m	12m [total]	good good	5	low	isolated		TPO	significant sculptural group in lawn; old growth specimen [1]; multi-trunk/

Kendall Road - Road Reserves and Drainage Easements:												regrowth/ possibly two trees.
Survey Date: 12-16 Nov 2007												
vehicular entry/ right-of-way [to Nos.20-28 Deepwater Road] between Castle Cove Public School & No.2 Kendall Road	two trees	10ar(i)	Ecap [1] Cgu [1]	80-100+ 40-50+	9m 9m	15m 6m	fair good	5	low	isolated	TPO	Ecap[1]- old growth/ twin-trunk spec. in garden- some pruning/ crown die-back/ epicormic growth; Cgu [1]- located in grass verge/ right-of-way.
Survey Date: 4-8 June 2007												
adj. to 12 Kendall Road: grass verge	single tree	10ar(i)	Epu [1]	30-40+	9m	6m	good	5	low	isolated	TPO	Epu [1]- possibly cultivated.
adj. to 19 Kendall Road: grass verge	single tree	10ar(i)	Ecap [1]	80-100+	8m	10m	poor	5	low	isolated	TPO	Ecap [1]- old growth/ multi-trunk spec./ heavily pruned for o'head powerlines; epicormic growth.
Castle Cove Public School, Kendall Road (NSW Department of Education)												Survey Date: 12-16 Nov 2007
The school grounds contain fragmented components of the original Sydney Sandstone Ridgetop Woodland community and a mixed overlay of generic native planting. The south-eastern portion of the site adjoining the Deepwater Road frontage contains a significant and relatively intact bushland community, including natural sandstone outcrops.												Castle Cove PS was first surveyed 3-7/09/2001 [Stage 1]; listing was revised 12-16/11/2007 [Stage 2].
1. South-eastern core bushland (Deepwater Road section)												
upper rock outcrops/ rock shelf east of playground fence	core community s/s outcrops	10ar(i)	Esi [1] Esi/Cgu/Ac Bs/ Al/ Ka	80-100+ up to 60-80+ up to 40-50+	10m up to 6-14m up to 3-6m	15m varies varies	good good good	varies: 1-2	high	contiguous	TPO	significant bushland on elevated rock shelf/ outcrops; Esi [1]- old growth specimen; native understorey incl. <i>Acacia terminalis</i> , <i>Kunzea</i> , <i>Epacris</i> , <i>Dianella</i> , <i>Elaeocarpus</i> , <i>Polyscias</i> , <i>Pteridium</i> spp. grading to <i>Callicoma</i> , <i>Gleichenia</i> spp. on lower slopes; Pu regrowth; weeds.
steep lower slope/ rock outcrops opp.43-49 Deepwater Road	s/s scarp		Ac/ Cgu Bs/Cal/Pu	up to 30-60+ up to 30-50+	up to 9-12m up to 5-7m	varies varies	varies good	varies: 1-3	high-medium			
Refer to Deepwater Road - Road Reserves and Drainage Easements for native tree group/ remnant community listing along public verge/ embankment.												
2. South-western Group (Deepwater Road)												
upper terraces adj. to buildings [north of Deepwater Rd entrance]	tree group	10ar(i)	Era [2] Cgu [1]	60-80+ 40-50+	8-9m 10m	9-12m 7m	good good	5	low	restricted	TPO	no access; grassed terraces; generic native planting [<i>Eucalyptus</i> sp.].
south-western boundary adj. to Deepwater Road frontage			Al/ Pu	up to 10-20+	up to 6-7m	varies	regrowth	varies: 4-5 [mainly 5]				dom.weeds [<i>Cinnamomum</i> , <i>Lantana</i> <i>Lonicera</i> spp.]; cultivated natives incl. <i>Eucalyptus haemastoma</i> ; remnant native g/covers [<i>Dianella</i> spp.].
Refer to Deepwater Road - Road Reserves and Drainage Easements for native tree group/ remnant community listing along public verge/ embankment.												
3. Holly Street Group (western boundary)												
corner block adj. to Holly Street/ Deepwater Road intersection [18A Deepwater Road]	remnant community	10ar(i)	Al/ Ka	up to 10-20+	up to 4-7m	varies	regrowth	varies: 3-5	medium-low	restricted	TPO	regrowth group/ remnant community spp.]; native understorey- <i>Acacia</i> , <i>Grevillea</i> spp.; weeds; also generic native planting [<i>Eucalyptus</i> spp.]
4. Kendall Road Group (north-eastern boundary)												
upper north-east corner adj. to entry/ right-of-way to Nos.20-28 Kendall Road	tree group remnant community	10ar(i)	Era [1] Cgu [1] Ecap [1] Cgu/ Era	40-50+ 20-30+ 10-20+ up to 5-10	6m 7m 4m <2m	8m 3m 2m <1m	good/lopped good good saplings/ regen.	varies: 3-5 [mainly 5]	medium-low	isolated	TPO	no access to grounds; dom. weeds [<i>Cotoneaster</i> sp.]/ herbicides; native regrowth group/site would respond to regeneration/ restoration strategy.

Korinya Road - Residential Properties:												Survey Date: 29 Jan-2 Feb 2007
3 Korinya Road: front garden/ south embankment near driveway	two trees	10ag(i)	Epip [1] Ac [1]	80-100+ 50-60+	16m 14m	20m 10m	good good	5	low	restricted	TPO	exotic garden/ lawn; Epip [1]- old growth specimen/ some pruning.
5 Korinya Road: rear garden	tree group	10ag(i)	Ac [1] Bs [1]	60-80+ 50-60+	18m 9m	15m 7m	good good	5	low	fragmented	TPO	garden; dom. weeds; Ac [1]- lower bank/ some dead wood; Bs [1]- thru cut-hole in timber deck [1970s house] Pu regrowth; generic native planting [<i>Eucalyptus/ Syncarpia</i> spp.]
7 Korinya Road: front garden/ embankment	tree group	10ag(i)/ 10ar(i)	Epu [1] Esi [1] Esi [1]	50-60+ 40-50+ 50-60+	14m 12m removed	10m 9m	poor poor v. poor	varies: 4-5 [mainly 5]	low	restricted	TPO	exotic garden/ lawn; Epu/ Esi- ext. dead wood/ regrowth; pruning Epu[1] & removal Esi [1] during inspection; insect damage; <i>E.sieberi</i> susceptible to <i>Phytophthora cinnamomi</i> .
9 Korinya Road: front garden/ embankment adj. to right-of-way	tree group s/s outcrops	10ag(i)/ 10ar(i)	Ac [1] Bs [2] Ahis [1]	50-60+ 20-30+ 20-30+	12m 6m 3m	6m 4m 4m	good good/ pruned good	5	low	fragmented	TPO	terraced garden; Bs [2]- possibly planted; native <i>Pteridium</i> sp; subject to bdy. survey [7 Korinya Rd]; Ahi [1] - <i>Angophora hispida</i> .
south-western embankment/ near driveway & garage			Cgu [1] Esi [1] Cgu [1]	40-50+ 50-60+ 50-60+	10m 12m 12m	4m 9m 7m	poor/ lopped fair/ lopped poor					Cgu [2]/ Esi [1]- ext. dead wood/ heavy lopping.
rear garden [north-east garden]			Bs [1]	30-40+	10m	3m	good/ pruned					Bs [1] - possibly planted.
14 Korinya Road: western garden adj. to driveway/ reserve	two trees s/s outcrops	10ar(i)	Ac [1] Bs [1]	40-50+ 40-50+	12m 9m	9m 5m	good good	varies: 4-5	low	contiguous	adj.SEPP 19 /TPO	garden adj. bushland reserve; weeds current bush regeneration/ restoration; native Er regrowth/ <i>Acacia ulicifolia</i> .
16 Korinya Road: rear garden/ [southern garden]	tree group s/s outcrops	10ar(i)	Cgu [1] Er [1]	60-80+ 50-60+	9m 8m	10m 6m	good v.poor	varies: 4-5	low	contiguous	adj.SEPP 19 /TPO	exotic garden/ rock outcrops; dom. weeds; Cgu [1]- remove ivy/ base.
entry driveway adj. to No.18 bdy. group [see below]	s/s scarp		Esi [1]	20-30+	8m	10m	fair					Er [1]- 90% die-back/ multiple trunk regrowth; s/stone scarp along south boundary; subject to bdy. survey.
18 Korinya Rd: upper front garden/ adj. to driveway	tree group remnant community s/s outcrops	10ar(i)	Gf [1] Ac [3] Cgu [3] Esi [2] Ceg [1]	30-40+ 30-60+ 40-60+ 20-30+ 40-50+	6m 5-8m 9-10m 6-7m 5m	6m 3-8m 7-12m 2-3m 2m	good fair [2]/ v.poor [1] fair [2]/ good [1] fair [1]/ poor [1] good	varies: 3-5	medium-low	fragmented	TPO	Korinya Rd frontage/ subject to bdy. survey; Ac [3]- possibly single tree/ basal [lignotuber] regrowth; 1 X Ac v. poor- cavity/bracket fungi; Esi [2]- malleee form/ multiple trunks; native <i>Banksia spinulosa/ Podocarpus spinulosus, Grevillea/ Smilax & Elaeocarpus</i> spp. present.
20 Korinya Rd: rear garden/ [eastern garden] Willis Rd frontage	single tree	10ag(i)	Cgu [1] Er [1]	20-30+ <5	10m	2m	v. poor sapling	varies: 4-5 [mainly 5]	low	fragmented	TPO	garden/ lawn; dom. weeds; Cgu [1]- 90% die-back/ remove ivy on trunk; native <i>Calochlaena</i> sp.; subject to bdy. survey.
Mannerim Place - Residential Properties:												Survey Date: 3-7 September 2007
1 Mannerim Place: front garden/	two trees	10ar(i)	Epu [1]	30-40+	12m	10m	good	5	low	isolated	TPO	exotic garden/ lawn; Epu [1]- some

[north-east]		Bs [1]	40-50+	8m	8m	good	pruning for adj. power-lines; generic native planting [Eucs.].						
Mannerim Place - Public Reserves:													
North Arm Reserve (Mannerim Place - North Arm Group)													
North Arm Reserve is a major bushland reserve scheduled as SEPP 19: Bushland in Urban Areas(Public Open Space) in the Willoughby City Bushland Plan of Management (2000).												remnant native community grading to	
walking track to upper scarp/	core	10ar(i)/	Epip/ Cgu	up to 60-80+	up to 8-12m	varies	good	varies: 1-5	high-low	contiguous	SEPP 19/	core bushland; dom. weeds along	
lookout [entry between Nos.6-7	bushland	10ag(i)	Ac/ Esi	up to 60-80+	up to 12-18m	varies	good				TPO	property boundaries; mixed native	
Mannerim Place]	community		Al/ Bs	varies	up to 4-7m	varies	good					canopy spp./understorey- <i>Pteridium</i> ,	
	s/s outcrops											<i>Epacris</i> , <i>Grevillea</i> , <i>Breynia</i> spp.;	
	s/s scarp											Pu regrowth [dom].	
Morella Place - Residential Properties:												Survey Date: 29 Jan-2 Feb 2007	
1 Morella Place: rear garden/	tree group	10ar(i)	Cgu [3]	50-80+	9-10m	5-7m	poor	varies: 3-5	medium-low	isolated	TPO	remnant native group assoc.w. rock	
upper north-eastern cnr.	remnant		Cgu [2]	50-80+	9-10m	5-7m	v. poor					outcrops in rear garden; Cgu [5]- ext.	
	community		Ka [4]	up to 30-40+	<2m	1-4m	fair					dead wood/ highly stressed due to	
	s/s outcrops		Al [1]	20-30+	5m	6m	good					drought; native regen.[incl. <i>Actinotus</i> ,	
												<i>Epacris</i> , <i>Persoonia</i> , <i>Dianella</i> spp.]	
												weeds; discussed significance of	
												native group/regen.strategy w.owner.	
2 Morella Place: embankment	single tree	10ag(i)	Epu [1]	20-30+	10m	4m	good	5	low	restricted	adj.SEPP 19	steep road-side embankment; dom.	
between roadway & right-of-way											/TPO	weeds; part of private property [not	
Refer to Deepwater Road - Residential Properties for portion of embankment Nos.205-207 Deepwater Road].												public verge].	
4 Morella Place: embankment	tree group	10ag(i)	Epu [2]	50-60+	12m	12-14m	good/ poor	5	low	restricted	adj.SEPP 19	steep road-side embankment; dom.	
between roadway & right-of-way			Epu [1]	20-30+	9m	3m	fair				/TPO	weeds/ mulched garden beds;	
												Epu [2]- heavily lopped under o'head	
												powerlines/ varying dead wood; Pu	
												regrowth; also generic native planting	
												private property [not public verge].	
11 Morella Place: rear garden/	single tree	10ar(i)	Epu [1]	40-50+	8m	8m	good	5	low	isolated	TPO	exotic garden/ lawn; rock outcrops;	
adj. to bdy. No.13/ upper level	s/s outcrops											Epu [1]- multiple trunk specimen.	
13 Morella Place: front garden	tree group	10ar(i)	Ceg [1]	30-40+	4m	2m	regrowth	5	low	isolated	TPO	garden; native regrowth assoc.w.	
rear garden adj. to driveway	s/s outcrops		Epu [1]	30-40+	10m	10m	good					rock outcrops- <i>Acacia parramattensis</i>	
			Ap [2]	20-30+	4-5m	2-3m	regrowth					Ceg [1]- possibly planted; Epu [1]-	
												some dead wood.	
14 Morella Place: upper rear garden	tree group	10ar(i)	Epu [1]	30-40+	12m	7m	good	varies: 4-5	low	fragmented	adj.SEPP 19	terraced garden/ large rock outcrops;	
upper south-western rock shelf/	s/s outcrops		Epu [1]	60-80+	10m	14m	good	[mainly 5]			/TPO	weeds; Epu [1]- some dead wood;	
rear of house			Fru [1]	40-50+	4m	8m	good/ pruned					Epu [1]- v.poor/ storm damaged;	
mid- to lower level [rear garden]			Epu [1]	60-80+	12m	14m	v. poor					Al [1]- ext. dead wood; also generic	
			Al [1]	60-80+	9m	10m	poor					native planting [1 X large <i>Eucalyptus</i>	
			Er [1]	20-30+	7m	2m	fair					<i>robusta</i> / <i>Casuarina</i> spp.].	
15 Morella Place: front garden	tree group	10ar(i)	Epu [1]	60-80+	8m	8m	good	varies: 4-5	low	fragmented	TPO	garden/rock outcrops; subject to bdy.	
adj. to bdy.No.17 driveway and	s/s outcrops		Ac [2]	40-50+	8-9m	7-10m	good [1]/ fair [1]					survey; weeds; Epu [1]- some dead	
sandstone cutting/ on bdy.			Epu [1]	unknown	<1m	<1m	lopped/ regrowth					wood/ lopping; Epu [1]- regrowth off	

			Er [1]	10-20+	3m	2m	fair/ lopped					base; Pu regrowth; Er sapling/regen.
17 Morella Place: upper garden/ adj. to garage [rear]	two trees s/s outcrops	10ar(i)	Ac [1] Ac [1]	80-100+ 40-50+	9m 8m	10m 9m	v. poor fair	5	low	isolated	TPO	exotic garden/ lawn; rock outcrops; Ac [1]- old growth spec./ ext. dead wood/ die-back [70%], cavities & epicormic growth.
Refer to 15 Morella Place for other boundary listings [adjacent to driveway].												
Neerim Road - Residential Properties:												Survey Date: 2-6 October 2000
20 Neerim Road: front garden/ south-east	single tree	10ag(i)	Ac [1]	80-100+	8m	15m	fair	5	low	isolated	TPO	terraced lawn area; Ac[1]- old growth spec./ thinning crown & die-back.
39 Neerim Road: front garden	tree group	10ag(i)	Epu [3]	up to 40+	12-15m	12-15m	good	5	low	isolated	adj.SEPP 19	TPO/ adj. to H D Robb Reserve
												Survey Date: 30 Apr-4 May 2007
56 Neerim Road: rear garden/ paved courtyard adj. to pool	single tree	10ar(i)	Epu [1]	80-100+	12m	15m	good	5	low	isolated	TPO	Epu [1]- old growth specimen.
60 Neerim Road: rear garden/ adj. to bdy.No.3 Warrawee Ave	tree group s/s outcrops	10ar(i)	Era [1]	15-20+	7m	3m	v. poor	varies: 4-5	low	restricted	TPO	exotic garden; rock outcrops; dom. weeds/ dead trees; herbicidal use; Era[1]/ Cgu[3]- ext. dead wood/ die- back; no access to property; subject to bdy. survey.
			Epu [1]	40-50+	10m	12m	good	[mainly 5]				
			Cgu [3]	20-40+	9-12m	3-12m	v. poor					
			Al/ Pu	<10-20	varies	varies	regrowth					
62 Neerim Road: rear garden	tree group s/s outcrops	10ar(i)	Epu [2]	30-50+	9-12m	9-12m	good	varies: 4-5	low	restricted	TPO	garden; rock outcrops contiguous w. 118-120 Deepwater Rd [see listings]; Bs [1]- old growth specimen/ basal cavity; native <i>Banksia/ Dianella</i> spp. no access to property.
			Epu [4]	10-20+	6-9m	2-5m	good	[mainly 5]				
			Bs [1]	80-100+	8m	9m	good					
			Aba [1]	30-40+	1m	1m	regrowth					
			Gf/ Pu	<10-20	varies	varies	regrowth					
												Survey Date: 29 Jan-2 Feb 2007
64 Neerim Road: front garden	s/s outcrops	10ar(i)	Ceg [1] Cgu [1]	50-60+	6m	6m	v. poor	5	low	restricted	TPO	significant rock outcrops in front
rear garden/	two trees			<10	5m	2m	good/ sapling					garden [no remnant vegetation]
adj. rear bdy. No.9 Daymar Pl.												weeds; Ceg [1]- ext. die-back; Pu regrowth.
66 Neerim Road: front garden/ adj. to road cutting/ verge	tree group s/s cutting	10ar(i)	Ac [2]	40-60+	8-9m	8-12m	poor	varies: 3-5 [mainly 5]	medium-low	fragmented	TPO	elevated lawn adj. to road cutting/ rock outcrops; Ac[2]- crown die-back ext. dead wood; native regen. along cutting- Ac seedlings/ <i>Leptospermum polygalifolium</i> [dom.]
rear garden/ upper level	s/s outcrops		Ceg [1]	30-40+	7m	2m	good					<i>Acacia terminalis/ Dianella</i> spp; also generic native planting [<i>Corymbia/</i>
adj. rear bdy. No.9 Daymar Pl.			Cgu [1]	10-20+	9m	6m	good					<i>Eucalyptus</i> sp.]; Pu regrowth.
Refer to Neerim Road - Road Reserves and Drainage Easements: public pedestrian right-of-way between Nos.66-68 Neerim Road.												
68 Neerim Road: rear garden/ upper level adj. to right-of-way	tree group s/s outcrops	10ar(i)	Epu [1] Epu [1] Epu [1] Cgu [1]	40-50+ 20-30+ <10 15-20+	12m 10m 9m 10m	12m 6m 3m 6m	fair/ lopped v. poor good good	varies: 4-5 [mainly 5]	low	restricted	TPO	mulched garden/ rock outcrops; Epu [1]- ext. dead wood/ lopped for o'head lines; Epu [1]- 80% die-back generic native planting [<i>Corymbia</i> sp.]
												Survey Date: 30 Apr-4 May 2007
69 Neerim Road: front garden	two trees	10ar(i)	Esi [1]	40-50+	12m	12m	fair/ lopped	varies: 4-5	low	isolated	TPO	terraced exotic garden; Esi [1]- align/

			Bs [1]	30-40+	7m	7m	good	[mainly 5]					lopped for o'head lines; remove ivy on trunks/ Bs- ivy covering 80% of tree; weeds; native <i>Calochlaena</i> sp.
69 Neerim Road: front garden	single tree	10ag(i)	Epip [1]	30-40+	10m	12m	fair	5	low	isolated	TPO		<i>Hedera</i> sp. on trunk
													Survey Date: 10-14 Sept 2007
101 Neerim Road: rear garden/ adj. to bdy. No.103 Neerim Rd	tree group	two trees s/s scarp	Ac [2]	60-80+	7-10m	10-12m	good	5	low	isolated	TPO		garden/ scarp; access denied; dom. weeds [<i>Nephrolepis</i> sp.]; possibly single specimen [Ac].
105 Neerim Road: rear garden/ scarp	single tree s/s scarp	10ar(i)	Ac [1]	80-100+	10m	15m	good	5	low	isolated	TPO		garden; scarp/ rock outcrops; Ac [1]- old growth spec./ sculptural form; subject to bdy. survey.
107 Neerim Road: front garden	tree group	two trees	Esi [2]	30-40+	9-10m	6-7m	good	5	low	isolated	TPO		exotic mulched garden; Es [2]- adj. front bdy.;
			Cgu [1]	30-40+	10m	8m	good						Cgu [1]- adj. bdy.No.105;
rear garden/ adj. to bdy. No.50 Willowie Rd			Ac [1]	80-100+	14m	15m	see notes						Ac [1]- old growth spec./ rock wall around base/ basal cavity; subject to bdy. survey; no access.
115 Neerim Road: front garden/ paved courtyard adj. to house	two trees	10ar(i)	Ac [1]	50-60+	9m	9m	fair	5	low	isolated	TPO		garden; no access to property/ new residence; incomplete data; subject to rear bdy. survey; see listing for 44 WillowieRoad.
rear garden/ adj. to bdy. No.44 Willowie Road	s/s scarp		Ac [1]	unknown	9m	no data	no data						
117 Neerim Road: rear garden	single tree s/s scarp	10ar(i)	Ac [1]	40-50+	9m	7m	good	5	low	restricted	TPO		small rear garden; no access; subject to bdy. survey.
123 Neerim Road: front garden/ rock shelf	single tree s/s outcrops	10ar(i)	Cgu [1]	50-60+	7m	8m	fair	5	low	isolated	TPO		exotic garden; large rock outcrop/ shelf; Cgu [1]- remove <i>Wisteria</i> vine on trunk.
127 Neerim Road: rear garden/ scarp/ adj. to No. 34 Willowie Rd	tree group s/s scarp	10ar(i)	Epu [1]	40-50+	12m	8m	v.poor	varies: 4-5	low	isolated	TPO		garden/ steep scarp; no access; dom. weeds; subject to bdy. survey. Epu [1]- 70% crown die-back.
Neerim Road - Public Reserves:													Survey Date: 2-6 October 2000
Refer to Willowie Road - Public Reserves listing for portion of H D Robb Reserve.													
For Castle Cove Golf Course [Neerim Road frontage] refer to Deepwater Road: Public Reserves and Golf Course													
Neerim Road - Road Reserves and Drainage Easements:													Survey Date: 30 Apr-4 May 2007
public road/ verge cnr. of Neerim Road & Allambie Road	scenic vista [public]	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a			outstanding scenic vista over No.63 Neerim Road [residential property] - low roof-line protects public view.
													Survey Date: 29 Jan-2 Feb 2007
public pedestrian right-of-way between Nos. 66-68 Neerim Road [upper level adj. to Nos.66-68]	tree group	10ar(i)	Cgu [1]	30-40+	5m	6m	good/ lopped	5	low	restricted	TPO		Cgu [1]- adj. to bdy.No.66 [upper]/ heavily lopped for o'head powerlines; rock outcrops; generic native planting
			Epu [1]	30-40+	12m	6m	v. poor						Epu [1]- ext. dead wood/ die-back/ lawn adj. to bdy.No.68; dom. weeds
lower steps to Neerim Road	remnant		Lep	up to 15-20+	2-2.5m	2-5m	good/ lopped	varies: 4-5	low				
rock outcrops below 66-68	community		Ac [1]	10-15+	10m	4m	good	[mainly 5]					

Neerim Road [Neerim Rd frontage]	s/s cutting s/s outcrops												[<i>Nephrolepis</i> sp.]; native <i>Ac</i> regen.; <i>Leptospermum polygalifolium</i> [dom.] <i>Callistemon</i> & <i>Cissus</i> sp. on rock outcrops - all likely cultivated origin.
Survey Date: 30 Apr-4 May 2007													
adj. to 69 Neerim Rd & right-of-way grass verge	single tree	10ar(i)	Ac [1]	60-80+	10m	15m	good/ lopped	5	low	isolated	TPO	grass verge; heavy pruning under o'head powerlines.	
Padula Place - Residential Properties: Survey Date: 26-30 Nov 2007													
7 Padula Place: front garden	two trees	10ar(i)	Cgu [1] Ac [1]	60-80+ 20-30+	9m 9m	12m 8m	good good	5	low	isolated	TPO	garden/recent landscaping; cultivated natives [<i>Eucalyptus/ Imperata</i> spp.]/ <i>A. costata</i> - possibly cultivated.	
9 Padula Place: rear garden	two trees	10ar(i)	Cgu [1] Epu [1]	80-100+ 60-80+	10m 12m	16m 16m	good good	5	low	restricted	TPO	Cgu [1]- adj. to bdy.No.7/ old growth specimen; Epu[1]- adj. to bdy.No.24 Willowie Rd/ on lower lawn terrace.	
11 Padula Place: front garden	tree group s/s outcrops	10ar(i)	Epu [1] Epu [1]	80-100+ 15-20+	8m 9m	18m 5m	good good	5	low	restricted	TPO	upper garden; Epu [1]- old growth spec.; Epu [1]- adj. to carport wall/ damage to lower trunk; generic native planting incl. <i>Banksia integrifolia/</i> <i>Elaeocarpus</i> sp.	
rear garden/ lower embankment			Cgu [1] Esi [1] Al/ Pu	60-80+ 40-50+ up to 20-30+	9m 10m up to 5-7m	14m 7m varies	fair fair regrowth					Cgu [1]/ Esi [1]- ext. dead wood; no access to rear garden.	
Parnoo Avenue - Residential Properties: Survey Date: 4-8 June 2007													
2 Parnoo Avenue: rear garden/ adj. bdy. to golf course	single tree s/s outcrops	10ar(i)	Era [1] Ka	20-30+ <10-20	7m <3m	5m 2-3m	good regrowth	varies: 4-5 [mainly 5]	low	restricted	TPO	exotic garden/ lawn; Ka regrowth on rock shelf; part of larger contiguous native tree group/ community.	
Rosebridge Avenue - Residential Properties: Survey Date: 26-30 Nov 2007													
10 Rosebridge Ave: rear garden/ embankment	single tree s/s outcrops	10ar(i)	Epu [1]	20-30+	9m	6m	good	5	low	isolated	TPO	exotic garden; embankment; Epu [1]- some dead wood; dom. weeds.	
20 Rosebridge Ave: front garden	two trees	10ar(i)	Eha [1]	80-100+	7m	15m	fair	varies: 4-5	low	isolated	TPO	lawn/ exotic garden; Eha [1]- old	
rear garden			Epu [1]	60-80+	12m	16m	good	[mainly 5]				growth multi-trunk[3] spec./ flowering some pruning for o'head powerlines; native <i>Dianella/ Lomandra</i> spp.;	
Survey Date: 10-14 Sept 2007													
41 Rosebridge Ave: front garden/ [Deepwater Road frontage]	single tree	10ar(i)	Cgu [1]	50-60+	10m	12m	good	5	low	isolated	TPO	lawn/ exotic garden.	
Rosebridge Avenue - Road Reserves and Drainage Easements: Survey Date: 26-30 Nov 2007													
pedestrian right-of-way/ drainage reserve [upper level] between 8 & 10 Rosebridge Avenue	single tree s/s outcrops	10ar(i)	Epu [1]	40-50+	12m	12m	good	5	low	isolated	TPO	upper level/ grassed; rock outcrops; exotics/ weeds.	
Warrane Place - Road Reserves and Drainage Easements: Survey Date: 10-14 Sept 2007													

upper level/ unmade road reserve [Boundary Street frontage]; flat grassed area	tree group remnant community	10ar(i)	Ecarn [3] Era [1] Era [1] Ka/ Al Epu[4] Cgu [1] Ap [3]	80-100+ 60-80+ <10 <5 <5 <5 <10	up to 5m 7m 3m up to 6m 1-2m <1.5m 5-7m	up to 6m 14m 2m varies up to 1-2m <1m 2-4m	see notes good saplings/ regen. regrowth/ regen. saplings/ regen. sapling regrowth/ lopped [1]	varies: 2-5	high-low	isolated	TPO	Ecarn- <i>Eucalyptus camfieldii</i> is a scheduled threatened species [TSC/ EPBC Acts]; area first cleared for residential subdivision in 1945-48; <i>E. camfieldii</i> population identified 2-6/11/2000; very high priority listing/ impacts incl. fragmentation, weed invasion, regular mowing & heavy pruning under o'head powerlines. Area was fenced [no mowing]/regen. & consultative strategy implemented; Existing group [above ground] incl. 1X regrowth [5m HT]/heavily pruned; 2X multi-stem saplings [2-3m HT]; & 1X dead tree [standing]/ ext. pruning; <i>E. camfieldii</i> population may be only a single tree [lignotuber up to 25m]; significant remnant community/ native regen./ high biodiversity [see list]; manage competition w. <i>Acacia parramattensis</i> regrowth; expose shallow sandstone shelf adj. to path/ reduce perimeter of mown exotic grasses [ie. reduce edge: area ratio]. restrict local regen. <i>Leptospermum polygalifolium</i> - cultivated origin.
	regen. incl.		<i>Acacia linifolia</i> <i>A. parramattensis</i> <i>A. suaveolens</i> <i>A. ulicifolia</i> <i>Allocasuarina littoralis</i> <i>Banksia serrata</i> <i>Dillwynia</i> sp. <i>Dodonaea triquetra</i> <i>Glochidion ferdinandi</i> <i>Grevillea buxifolia</i> <i>Juncus</i> sp. <i>Kunzea ambigua</i> <i>Lasiopetalum ferrugineum</i> <i>Wahlenbergia</i> sp. <i>Zieria smithii</i>									
rockery/ top of embankment [south of above group]			Al/ Gf/ Pu	up to 20-30+	5-6m	varies	regrowth	5	low			
lower embankment to roadway [Warrane Place]	tree group s/s outcrops		Cgu [1] Era [1] Al [4]	60-80+ 80-100+ up to 40-50+	6m 7m 3-7m	10m 15m 2-5m	fair good [3]/ poor [1]					embankment/ rock outcrops; weeds [<i>Lantana</i> , <i>Ligustrum</i> , <i>Asparagus</i> , <i>Nephrolepis</i> spp.]; Pu regrowth; Cgu[1]- dead wood/ heavily pruned under o'head lines; Era[1]- old growth spec./ dead wood; cultivated natives [<i>Agonis</i> / <i>Banksia</i> spp.].
Warrawee Avenue - Residential Properties:												Survey Date: 30 Apr-4 May 2007
1 Warrawee Ave: lower garden/ [south-west]	tree group	10ar(i)	Epu [2]	20-30+	8-12m	8-9m	fair/ poor	5	low	restricted	TPO	exotic garden/ lawn; 1 X Epu- large cavity; dom. weeds [<i>Ligustrum</i> / <i>Lantana</i> spp.]; rock outcrops; part of larger remnant tree group [see 60-62 Neerim Rd/ 3 Warrawee Ave]; Epu X 1 sapling; Pu regrowth; listing subject to bdy. survey.
upper [south-eastern] garden	s/s outcrops		Epu [2] Al [1] Fru [1]	20-40+ 15-20+ 30-40+	9-10m 6m 9m	5-10m 3m 4m	good good good					
3 Warrawee Avenue: rear garden/	tree group	10ar(i)	Epu [2]	30-50+	8-10m	8-12m	good/ fair	varies 4-5	low	restricted	TPO	garden; large rock outcrops; dom.

[south-east cnr./bdy to 1 Warrawee & 60 Neerim Rd]	s/s outcrops		Aba [1] Cgu [1]	15-20+ 40-50+	2m 6m	1m 4m	fair v. poor	[mainly 5]					weeds; Epu X 1 [fair]- dead wood; Cgu [1]- ext. dead wood/ 90% die-back; other dead trees; Pu regrowth; <i>Dianella</i> sp.; subject to bdy. survey.
4 Warrawee Avenue: front garden	tree group	10ar(i)	Epu [4]	30-40+	9-12m	6-12m	good [3]/ poor	5	low	isolated	TPO	exotic garden; Epu X 3- some dead wood/ Epu X 1- ext. dead wood/ 50% die-back; also generic native planting [<i>Eucalyptus</i> sp.].	
Willis Road - Residential Properties:												Survey Date: 29 Jan-2 Feb 2007	
1 Willis Road: upper garden/ adj. to Willis Rd frontage	tree group	10ag(i)	Ac [1] Epu [1] Al [2] Ac [1] Ac [1] Ac/ Er	50-60+ 40-50+ 15-20+ 50-60+ 15-20+ <5-10	12m 16m 8m 12m 9m varies	14m 15m 4-5m 10m 5m	good fair good [1]/ v.poor [1] good good saplings/ regen.	varies: 4-5 [mainly 5]	low	fragmented	TPO	exotic garden; Epu [1]- dead wood in crown; Ac [1] - some dead wood; <i>Elaeocarpus</i> spp. - possibly planted Ac [2]- adj. to bdy.No.3 Willis Rd - some dead wood/ insect damage.	
lower rear garden			Ac [2]	50-60+	12-14m	8-10m	good [1]/ fair [1]						
3 Willis Road: rear garden/ [north-east garden]	single tree	10ag(i)	Ac [1]	50-60+	14m	7m	fair	5	low	fragmented	TPO	exotic garden/ lawn; Ac [1]- some dead wood/ open crown.	
5 Willis Road: front garden/ north of driveway	tree group	10ag(i)	Ac [1] Ac [3] Ac [1] Ceg [1]	80-100+ 10-20+ 30-40+ 15-20+	15m 6-8m 9m 5m	18m 3-4m 6m 2m	good good good good	varies: 4-5 [mainly 5]	low	fragmented	TPO	garden/ rockery & lawns; Ac[1]- adj. to verge/ old growth spec. 600mm diam.base; native <i>Dianella/Adiantum</i> spp.; Ac seedlings/ regen.	
south of driveway/ adj. to verge			Ac [1] Ac [2]	80-100+ 50-60+	16m 10-14m	15m 10-12m	good good [1]/ fair [1]					Ac [3]- subject to bdy.survey/ group incl. old growth specimen.	
6 Willis Road: front garden	tree group	10ag(i)	Ac [1]	60-80+	18m	15m	fair	varies: 4-5	low	fragmented	TPO	garden/ lawn; embankment/ rock outcrops; Ac [1]- ext. dead wood.	
	s/s outcrops		Ac [3]	50-60+	14-18m	8-12m	good	[mainly 5]				dom. weeds; native <i>Calochlaena/ Dianella</i> spp.; Ac seedlings/ regen.	
rear garden/ embankment			Ac [1]	15m	10m	good							
7 Willis Road: upper garden/ north corner [adj. to No.3 Willis Rd]	tree group	10ag(i)	Ac [3]	60-80+	14-18m	8-15m	good/ fair [1]	varies: 4-5	low	fragmented	TPO	garden/ mulched beds; generic native planting [<i>E. elata/ E. microcorys</i>]; native <i>Gleichenia/ Calochlaena</i> spp.	
lower south-eastern gully area	s/s cutting		Ac [4]	50-80+	15-18m	6-15m	good	[mainly 5]				steep gully/ rock outcrops; significant <i>A. costata</i> tree group; dom. weeds [<i>Nephrolepis/ Tradescantia</i> spp.]; cultivated <i>Dicksonia/ Cyathea</i> spp.	
adj. pool area/ bdy.No.9 Willis Rd	s/s outcrops		Ac [1] Ac [2] Ac [1] Er [1]	60-80+ 50-60+ 60-80+ 50-60+	20m 12-14m 18m 3m	16m 7-12m 16m 4m	good good good good/ lopped					Ac [3]- on/ near bdy. No.9 Willis Rd subject to bdy. survey; Er [1]- old multi-trunk spec./ heavily pruned.	
near driveway													
lower driveway near pool													
8 Willis Road: front garden	tree group	10ag(i)	Epu [1] Ac [1] Ac [3]	15-20+ 60-80+ 50-60+	12m 16m 14-15m	7m 15m 5-12m	good good good [2]/ fair [1]	varies: 4-5 [mainly 5]	low	fragmented	TPO	exotic garden/ weeds; 2X Ac heavily pruned/ some dead wood in crowns; native <i>Pteridium</i> sp./ <i>Podocarpus spinulosus</i> ; Ac regen; Pu regrowth.	
	s/s outcrops												

9 Willis Road: rear garden	tree group	10ag(i)	Ac [2]	40-50+	12-14m	9-10m	fair	5	low	fragmented	TPO	garden/ lawn; Ac [2]- leaning trunks/ some dead wood; recommend arborist inspection.
Refer to 7 Willis Road listing for group of <i>Angophora costata</i> [3] on/ near property boundary [subject to boundary survey].												
10 Willis Road: front garden/ embankment	tree group	10ag(i)	Cgu [1]	15-20+	10m	2m	fair	5	low	fragmented	TPO	Cgu [1]- dead wood/ remove ivy on trunk; generic native planting.
upper rear garden			Al [2]	10-20+	7-8m	3-5m	good/ lopped					Ac [1]- adj. bdy.No.9 Korinya Rd/ subject to bdy. survey; no access.
			Ac [1]	20-30+	12m	6m	good					
												Survey Date: 23-27 October 2006
11 Willis Road: front garden/ upper south-western cnr. adj. to verge	tree group	10ag(i)	Ac [3]	50-60+	18m	12-15m	good	varies: 4-5 [mainly 5]	low	restricted	TPO	terraced garden/ lawn; rock outcrops; part of contiguous tree group [refer to verge & 1 Emerstan Drive listings].
rear garden/ north-east cnr.	s/s outcrops		Cgu [1]	60-80+	18m	10m	fair					listings subject to boundary survey;
rear garden/ on bdy. to No.1			Cgu [1]	60-80+	22m	12m	see notes					Cgu [1] - remove ivy on trunk.
Emerstan Dve.			Ac [1]	50-60+	22m	12m	see notes					Ac [1]- dead tree w. basal cavity/ trunk leaning & Cgu [1]- basal cavity recommend urgent arborist inspection
												Survey Date: 29 Jan-2 Feb 2007
12 Willis Road: front garden/ embankment	tree group	10ag(i)/	Ac [1]	80-100+	16m	15m	good	varies: 4-5 [mainly 5]	low	fragmented	TPO	garden/ rock outcrops; Ac [1]- old growth/ 700mm diam. base/ some dead wood/ pruning; Bs [2]- possibly planted/ other generic native planting;
	s/s outcrops		Bs [2]	30-40+	6-9m	4-5m	good					Eastern Water Dragon; Dianella sp.;
			Cgu [1]	40-50+	14m	10m	fair					Epu [1]- dead wood/ basal regrowth.
			Epu [1]	40-50+	14m	10m	good					
upper rear garden/ adj. upper bdy.		10ar(i)	Ac [1]	50-60+	14m	10m	fair					
												Survey Date: 23-27 October 2006
17 Willis Road: front garden/ upper north-western corner	single tree	10ag(i)	Ac [1]	30-40+	14m	10m	good	5	low	fragmented	TPO	exotic garden; top of embankment adj. to bdy. No.2 Emerstan Dve.
19 Willis Road: rear garden/ upper south-western embankment adj. to bdy. No.23.	tree group	10ag(i)	Epip [3]	30-50+	14-18m	8-12m	good	varies: 2-5 [mainly 4-5]	high-low	contiguous	adj.SEPP 19 /TPO	cleared steep embankment/ rubble; subject to bdy. survey to reserve;
	remnant		Epip [2]	15-30+	10-15m	5-8m	fair/ good					good regen./ native understorey incl.
	community		Ac [1]	20-30+	16m	5m	good					<i>Grevillea, Dodonaea, Breynia, Acacia</i>
	s/s outcrops		Ac [1]	15-20+	10m	2m	fair					<i>Dianella, Pteridium, Eustrephus</i> spp.
			Gf [1]	20-30+	12m	8m	good					recommend bush regen. strategy;
rear garden/ lower south-eastern embankment			Ac [1]	40-50+	18m	7m	fair	5	low			dom. weeds; mature Ac X1 fallen in recent storm; Ac[1]- damaged crown. also native <i>Cyathea</i> sp.
25 Willis Road: rear garden/ south-eastern cnr. adj. to public steps	two trees	10ar(i)	Cgu [2]	50-60+	9-10m	9-10m	poor	varies: 3-5	medium-low	restricted	TPO	upper cliff-face/ road cutting; Cgu [2]- remove ivy on trunks; dom. weeds- <i>Lantana</i> sp.; refer to right-of-way to 19, 23 & 25 Willis Rd for lower level.
31 Willis Road: front garden/ upper north-western portion	tree group	10ar(i)/	Ac [1]	30-40+	14m	10m	good	varies: 2-5 [mainly 3]	high-low	contiguous	adj.SEPP 19 /TPO	garden/ lawn; Ac [1]- on bdy. No.29; Bs [1]- twin trunk; remnant bushland
	remnant		Bs [1]	30-40+	8m	9m	good					

	community s/s outcrops		Ac [6] Al/ Er/ Pu	20-30+ up to 10-20+	10-14m up to 6-12m	4-7m varies	good[2]/ poor[4] good/ regrowth						assoc. w.rock outcrops; natives incl. <i>Calochlaena/ Smilax</i> & <i>Notolaea</i> spp; native Ceg [1]/ <i>Livistona australis</i> & <i>Pittosporum rhombifolium</i> - cultivated
rear garden/ north boundary		10ag(i)	Pu/ Ceg				regrowth						
33 Willis Road: rear garden/ south-eastern portion	tree group s/s outcrops	10ag(i)	Ac [2]	40-50+	15-18m	7-12m	good	varies: 4-5 [mainly 5]	low	contiguous	adj.SEPP 19 /TPO		garden/ lawn; subject to bdy.survey; Ac [2]- growing thru opening in conc. pool deck & upper deck; Ac [1]- adj. to timber steps/ twin-trunk w. heavily pruned lower canopy; Pu regrowth; dom. weeds; 1 X Ac sapling.
rear garden/ northern mid-level			Ac [1] Gf [1] Ac [1]	60-80+ 30-40+ <10	18m 12m 2m	14m 7m 1m	good good sapling						
Willis Road - Road Reserves and Drainage Easements:												Survey Date: 23-27 October 2006	
public pedestrian right-of-way [between Nos. 6-8 Willis Road]	single tree	10ag(i)	Epip [1] Er [1]	30-40+ <5	14m 5m	6m 2m	good good/ lopped	5	low	restricted	TPO		Epip [1]- some dead wood/ ivy removed from trunk; dom. weeds/ regrowth <i>Acacia/ Elaeocarpus</i> spp.
adj. 1 Emerstan Drive [Willis Road frontage]: grass verge	single tree	10ag(i)	Ac [1]	40-50+	14m	10m	good	5	low	restricted	TPO		Ac [1]- part of contiguous tree group [see 11 Willis Rd/ 1 Emerstan Dve].
between driveways Nos.17 & 19 Willis Road; small grass verge	single tree	10ag(i)	Ac [1]	80-100+	20m	22m	good	5	low	contiguous	TPO		Ac [1]- old growth spec./ 1000mm diam. base; local cultural heritage significance - tree retains embedded cable thru centre of trunk [part of early winch system assoc. w. "Innisfallen" refer to 14 Cherry Pl. listing].
right-of-way to Nos. 19, 23 & 27 Willis Rd/ adj. to roadway& No.21.	single tree	10ag(i)/	Ac [1] Gf [3]	60-80+ <10	16m up to 3-5m	18m varies	good regrowth	varies: 4-5 [mainly 5]	low	fragmented	TPO		Ac [1]- on grassed slope; regrowth of native <i>Glochidion/ Dianella</i> spp.
rock cutting below pool in No.21 & adj. to rear bdy.No.25	remnant community s/s cutting	10ar(i)	Ac [3] Bi/ Al	unknown up to 10-20+	<1m up to 3-5m	1-2m varies	regrowth regrowth	varies: 2-5	high-low				Ac [3]- heavily pruned to bases; dom. weeds; natives incl. <i>Banksia</i> , <i>Allocasuarina</i> , <i>Grevillea</i> , <i>Gleichenia</i> , <i>Pteridium</i> , <i>Themeda</i> , <i>Lomandra</i> spp.
Willowie Road - Residential Properties:												Survey Date: 29 Jan-2 Feb 2007	
1 Willowie Road: adj. to driveway/ right-of-way adj. to bdy. No.3	single tree	10ar(i)	Ac [1]	80-100+	15m	15m	good	5	low	restricted	TPO		narrow elevated ex. garden; Ac [1]- old growth spec./ some dead wood/ heavily lopped; damage to base.
												Survey Date: 26-30 Nov 2007	
5 Willowie Road: rear garden/ upper level	single tree s/s outcrops	10ar(i)	Ac [1]	80-100+	9m	14m	good	5	low	restricted	TPO		exotic garden; rock outcrops; Ac [1]- old growth specimen; no access.
14 Willowie Road: front garden/ scarp [upper level]	tree group remnant community s/s scarp	10ar(i)/	Ac [1] Ac [3] Ac [1] Ceg [1]	50-60+ 30-40+ 10-15+ 30-40+	1.5m <1.5m 2m 1.5m	2m <1.5m 1m 1.5m	lopped lopped good/ sapling good	varies: 3-5 [mainly 5]	medium-low	isolated	TPO		regrowth group on top of scarp/ rock outcrops; Ac group heavily lopped; dom. weeds; natives incl. <i>Dodonaea</i> & <i>Gleichenia</i> spp.; cultivated natives
rear garden	s/s outcrops		no data										incomplete data; no access.
24 Willowie Road: rear garden/	single tree	10ar(i)	Ac [1]	50-60+	10m	6m	fair	5	low	isolated	TPO		Ac [1]- narrow garden adj. rear bdy./

upper level adj. to rear bdy. No.9 Padulla Place												remove <i>Hedera</i> sp.[ivy] on trunk; part of tree group [see Padulla Pl.]; cultivated natives [<i>Eucalyptus</i> spp.].
												Survey Date: 10-14 Sept 2007
42 Willowie Road: rear garden/ upper level	tree group s/s outcrops	10ar(i)	Ac [1] Al [2]	40-50+ 20-40+	7m 5-7m	8m 3-8m	poor good	5	low	restricted	TPO	exotic garden; rock outcrops; weeds; subject to bdy. survey; no access.
44 Willowie Road: rear garden/ adj. to bdy. No.42 Willowie Rd upper level	tree group s/s outcrops	10ag(i)/ 10ar(i)	Era [2] Cgu [1] Cgu [1] Al/ Er	60-80+ 50-60+ 40-50+ up to 20-30+	14-16m 14m 9m up to 5m	10-12m 7m 8m varies	good good fair regrowth	varies: 4-5 [mainly 5]	low	restricted	TPO	garden; rock outcrops; native regen./ regrowth incl. <i>Allocasuarina</i> , <i>Banksia</i> <i>Elaeocarpus</i> , <i>Pteridium</i> spp; generic natives planted in front garden.
46 Willowie Road: rear garden/ upper level	tree group s/s outcrops s/s scarp	10ar(i)	Ac [1] Ac [1] Fru [1] Al/ Pu	30-40+ 15-20+ 40-50+ up to 20-30+	10m 6m 7m up to 5-6m	7m 2m 12m varies	good sapling/ fair good regrowth	varies: 4-5 [mainly 5]	low	restricted	TPO	exotic garden; rock outcrops/ scarp; dom. weeds; native <i>Lomandra</i> sp.; subject to bdy. survey; no access.
48 Willowie Road: rear garden/ upper level adj. to bdy.No.109 Neerim Rd	single tree s/s scarp	10ar(i)	Ac [1]	40-50+	9m	10m	good	5	low	isolated	TPO	subject to bdy. survey; dom. weeds; generic native planting [Eucs].
												Survey Date: 2-6 October 2000
56 Willowie Rd: rear garden upper scarp level	two trees s/s scarp	10ag(i)	Ac [2]	20-30+	7-8m	8-10m	excellent	5	low	isolated	TPO	garden; undisturbed escarpment
62 Willowie Road: front garden	remnant community s/s outcrop	10ar(i)	Eh/ Bs/ Al	up to 30+	< 10m	varies	fair/ poor	varies: 4-5	low	isolated	TPO	garden/ sandstone outcrop
64 Willowie Road: east garden	remnant community	10ar(i)	Ac/ Bs/ Al	up to 30+	< 12m	varies	fair/ poor	varies: 4-5	low	isolated	TPO	garden
Willowie Road - Public Reserves:												
portion of HD Robb Reserve cnr. Willowie Rd and Neerim Rd Neerim Road frontage	remnant community s/s scarp/ outcrop	10ag(i)	Ac dom. Eh/ Epip mixed species	up to 100+	up to 12m+	varies	fair-good	varies: 1-3	high-medium	contiguous	SEPP 19*	remnant community with diverse structure and species mix with varying level of weed invasion; Part of H D Robb Reserve however currently scheduled as adjoining SEPP 19 in Bushland Plan of Management; high visual impact of services/ utility kiosk in front of s/s outcrops.