Site name	Lindfield (Kuring-gai LGS)	Plot no.	BM01	Date	27/3/17
PCT		Ancillary			

	Natives (20m Quadrat)	F	C	A	Exotics (20m Quadrat)	F	C	A
	OVERSTOREY							
1								
2								
3								
4								
5								
6								
7								
8								
	MIDSTOREY							
1	Allocasuarina littoralis/torulosa	T	10	20				
2	Eucalyptus (Stringy)	T	1	5				
3								
4								
5								
6								
7								
8								
9								
10								
	GROUNDCOVER / other							
1	Microlaena stipoides	G	2	50	Andropogon virginicus	G	1	10
2	Entolasia stricta	G	1	100				
3	Acacia suaveolens	S	1	10				
4	Dianella caerulea var. producta	G	1	20				
5	Actinotus minor	F	1	50				
6	Dodonaea triquetra	S	1	10				
7	Opercularia hispida	F	1	5				
8	Polyscias sambucifolia	S	1	20				
9	Pomax umbellata	G	1	50				
10	Xanthosia tridentata	F	2	100	Native			
11	Glochidion ferdinandi	S	1	20	Callistemon sp.	S	2	50
12	Actinotus helianthi	F	1	10	Xanthorrea media?	G	1	10
13	Amolanthus populifolius	S	1	20	Lomandra filiformis	G	1	10
14	Microlaena stipoides	G	2	100	Leptospermum trinervium	S	2	50
15	Bonaerpet tenuicaules	F	1	20	Mirbelia rubifolia	S	1	1
16	Grevillea speciosa	S	1	1	Acacia longifolia var.	S	1	1
17	Billardiera scandens	V	1	5	Pultenea elliptica	S	1	5
18	Grevillea buxifolia	S	1	2	Dillwynia retorta	S	1	5
19	Bossiaea heterophylla	S	1	5	Goodenia heterophylla	F	1	2
20	Hibbertia aspera	S	1	20				
21	Entolasia marginata	G	2	50				
22	Caustis flexuosa	R	1	2				
23	Asplenium flabellifolium	E	1	20				

* **Cover (C)**: Estimate of the appropriate cover measure for each recorded species; from 1–5 and then to the nearest 5%.

Abundance (A): A relative measure of the number of individuals or shoots of a species within the plot. Use the following intervals, 1,2,3,4,5,6,7,8,9,10,20,50,100,500,1000 or specify a number greater than 1000 if required.

Form: * (T) Tree; (M) Mallee tree; (S) Shrub; (G) Tussock Grass (Poa/Themeda); (d) Sod grass (Couch/Kikuyu); (L) Vine/climber/scrambler; (V) Sedge (Cyperoid); (R) Rush (Restioid, Juncaceae); (F) Forb; (E) Fern; (P) Palm; (A) Cycad

Braun-blanquet: 1=<5% (rare, <3 individuals); 2=<5% (uncommon, scattered/localised); 3=<5% (common, consistent thru plot); 4a=<5% (very abundant, many individuals thru plot); 4b=5-25%; 5=25-50%; 6=50-75%; 7=75-100%

* Note: Cover and Abundance should be collected unless otherwise stated, as per Native Veg. Interim Type Standard (Sivertsen 2009)

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BioMetric plota data sheet

Site name	Lindfield LIS	Recorders	TP / TH.	Date	5-5-17
Wapoint/ Plot ID	BB02	Easting BB02S / BB02E	St: 0329751 End: 0329704	Northing*	St: 6259521 End: 6259490
		Photo no. (Camera) Tom's ph	St: BB02 (Start) End: BB02 (end)	xPlot orient/ Slope/Aspect	243° 23° to SE (159°)

Plant Community Type	CESDF.		
Ancillary code	(Native)	Condition (Low or Mod-Good)	M-G

20 x 20m Quadrat		Number of native plant species	43										(NPS)
NATIVE	50m Transect – 10 Points	Native over-storey cover (%)	40	35	45	35	60	70	65	60	35	30	43.5% (NOS) Sum / 10
		Native mid-storey cover (%)	0	0	0	0	0	1	0	0	0	1	0.2 % (NMS) Sum / 10
	50m Transect – 50 Points	Native ground cover (tally/50 points) – Grasses	IIII II										14 % (NGCG) Double score out of 50 to get %
		Native ground cover (tally/50 points) – Shrubs	I										2 % (NGCS) Double score out of 50 to get %
		Native ground cover (tally/50 points) – other	IIII	IIII	IIII								30% (NGCO) Double score out of 50 to get %
EXOTIC	50m Transect – 10 points + 50 points	Overstorey (% @ 10 points)	0	0	0	0	0	0	0	0	0	0	0 (a) Sum/10
		Midstorey (% @ 10 points)	0	0	0	0	0	0	0	0	0	0	0 (b) Sum/10
		Ground (tally/50 points)											0 (c) Double score
													Sum exotic cover (%) from (a)+(b)+(c) 0 %
20m x 50m Quadrat		Number of trees with hollows	IIII II										Total length fallen logs >10cm width (m) IIII IIII IIII IIII IIII

Whole Veg. Zone	Over-storey regeneration	All canopy spp. in Veg Zone		Regen (Y/N) (indiv. <5cm?)		Proportion
		A. costata	Y			1 (based on native only)
		E. p.p	Y			
		(E. grandis)	D			

Strata	Form	Species	Height range	PFC
Upper 1		Ang costata	5m - 18m	15
Upper 2		E.p.p	8m - 15m	35
Mid 1		Elaeo reticu	1.5 - 2.5	<1
Mid 2		Acacia irrro	0.5 - 3	1
Lower 1		Xanth arborea	0 - 2	5
Lower 2		Pteridium esculent	0 - 1	3

Form: (T) Tree; (M) Mallee tree; (S) Shrub; (G) Tussock Grass (Poa/Themeda); (d) Sod grass (Couch/Kikuyu); (L) Vine/climber/scrambler; (V) Sedge (Cyperoid); (R) Rush (Restioid, Juncaceae); (F) Forb; (E) Fern; (P) Palm; (A) Cycad

II - nest box

1

Site name	LINDFIELD	Plot no.	BB02	Date	5/05/17
PCT	Coastal Enriched Sandstone Dry Forest	Ancillary			

	Natives (20m Quadrat)	F	C	A	Exotics (20m Quadrat)	F	C	A
	OVERSTOREY							
1	Eucalyptus piperita	T	15	5	Eucalyptus grandis	T	10	10
2	Angophora costata	T	5	10				
3								
4								
5								
6								
7								
8								
	MIDSTOREY							
1	Dillwynia retorta	S	1	1	Ligustrum sinense	S	1	5
2	Pittosporum undulatum	S	2	50	Sching pendula	S	1	20
3	Banksia serrata	S	2	10	Ligustrum lucidum	S	1	2
4	Smilax australis	L	1	10	Morus alba	S	1	1
5	Acacia sclerophylla	S	1	1	Callistemon	S	1	5 *
6	Acacia irrorata	S	1	5	Lasiopetalum ferrugineum	S	1	2
7	Acacia longifolia var. longifolia	S	1	5	Grevillea robusta	S	1	20
8	Ceratopetalum gummiferum	S	2	20	Syzygium smithii	S	1	5
9	Polyscias sambucifolia	S	1	10	Banksia marginata	S	1	5
10	Acacia terminalis	S	1		Allocasuarina littoralis	S	1	2
* 11	Leptospermum				Hakea salicifolia	S	1	5
	GROUNDCOVER / other							
1	Hibbertia dentata	L	1	10	Asparagus aethiopicus	E	1	10
2	Elaeocarpus reticulatus	S	1	10	Ochna serrulata	S	1	10
3	Dianella caerulea var. producta	R	1	20	Cinnamomum camphora	S	1	2
4	Lomandra longifolia	R	2	50	Nephrolepis cordifolia	E	1	10
5	Stylidium graminifolium	R	1	50	Solanum mauritianum	S	1	1
6	Hemarthria uncinata	S	1	20	Phyllanthus tenellus	S	1	20
7	Gahnia clarkei	L	1	50	Bidens pilosa	F	1	10
8	Microlaena stipoides	G	1	20	Rubus fruticosus	L	1	2
9	[illegible]				Agapanthus praecox	F	1	5
10	Entolasia stricta	G	1	10	Ageratina adenophora	F	1	1
11	Opismenus aemulus	G	1	20	Solanum nigrum	S	1	5
12	Xanthorrea arborea s	G	15	50				
13	Billardiera scandens	L	1	10				
14	Lomandra obliqua	R	1	20				
* 15	Desmodium	L	1	5				
16	Goodenia heterophylla	F	1	10				
17	Operculina	F	1	5				
* 18	Aciantha	F	1	20				
19	Cyperostylis erecta	F	1	20				
20	Eustrephus latifolius	L	1	10				
* 21	Blechnum	F	1	5				
22	Bossiaea heterophylla	S	1	2				
23	Calochlaena dubia	F	1	20	Senecio rubicunda	L	1	5

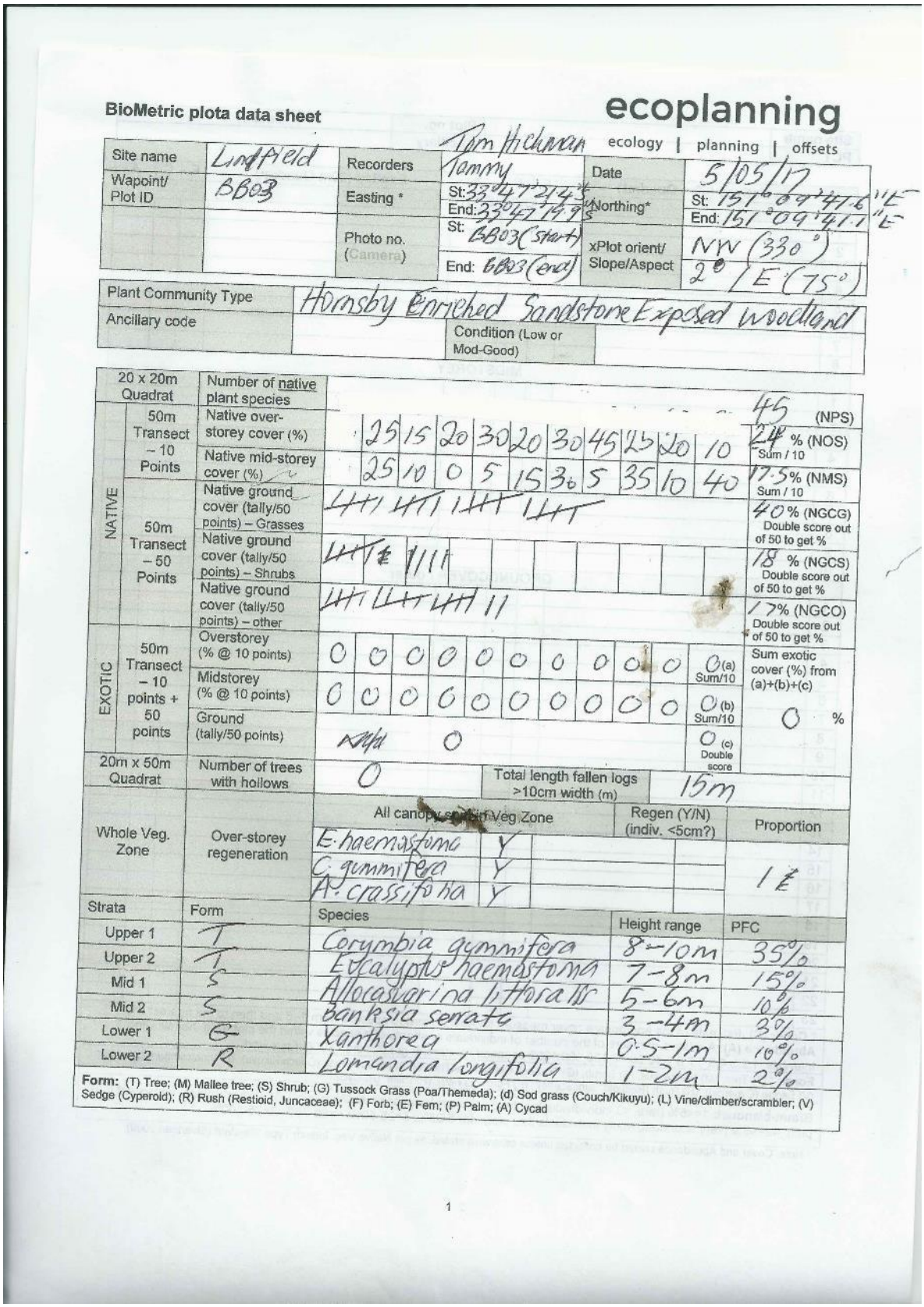
*** Cover (C)**: Estimate of the appropriate cover measure for each recorded species; from 1–5 and then to the nearest 5%;.
Abundance (A): A relative measure of the number of individuals or shoots of a species within the plot. Use the following intervals, 1,2,3,4,5,6,7,8,9,10,20,50,100,500,1000 or specify a number greater than 1000 if required.

Form: * (T) Tree; (M) Mallee tree; (S) Shrub; (G) Tussock Grass (Poa/Themeda); (d) Sod grass (Couch/Kikuyu); (L) Vine/climber/scrambler; (V) Sedge (Cyperoid); (R) Rush (Restioid, Juncaceae); (F) Forb; (E) Fern; (P) Palm; (A) Cycad

Braun-blanquet: 1=<5% (rare, <3 individividuals); 2=<5% (uncommon, scattered/localised); 3=<5% (common, consistent thru plot); 4a=<5% (very abundant, many individuals thru plot); 4b=5-25%; 5=25-50%; 6=50-75%; 7=75-100%

* Note: Cover and Abundance should be collected unless otherwise stated, as per Native Veg. Interim Type Standard (Sivertsen 2009)

2



BioMetric plota data sheet

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Site name	Lindfield	Recorders	Tom Richardson, Tammy	Date	5/05/17
Wapoint/ Plot ID	BB03	Easting *	St: 33°47'21.4"S End: 33°47'19.9"S	Northing*	St: 151°09'41.6"E End: 151°09'41.1"E
		Photo no. (Camera)	St: BB03 (start) End: BB03 (end)	xPlot orient/ Slope/Aspect	NW (330°) 2° / E (75°)

Plant Community Type	Hornsby Enriched Sandstone Exposed Woodland		
Ancillary code		Condition (Low or Mod-Good)	

20 x 20m Quadrat	Number of native plant species													45 (NPS)
NATIVE 50m Transect – 10 Points	Native over-storey cover (%)	25	15	20	30	20	30	45	25	20	10			24 % (NOS) Sum / 10
	Native mid-storey cover (%)	25	10	0	5	15	30	5	35	10	40			17.5% (NMS) Sum / 10
NATIVE 50m Transect – 50 Points	Native ground cover (tally/50 points) – Grasses	44	44	1111	1111									40 % (NGCG) Double score out of 50 to get %
	Native ground cover (tally/50 points) – Shrubs	44	1	111										18 % (NGCS) Double score out of 50 to get %
	Native ground cover (tally/50 points) – other	44	44	44	11									17% (NGCO) Double score out of 50 to get %
EXOTIC 50m Transect – 10 points + 50 points	Overstorey (% @ 10 points)	0	0	0	0	0	0	0	0	0	0	0 (a) Sum/10		Sum exotic cover (%) from (a)+(b)+(c)
	Midstorey (% @ 10 points)	0	0	0	0	0	0	0	0	0	0	0 (b) Sum/10		0 %
	Ground (tally/50 points)	N/A	0									0 (c) Double score		

20m x 50m Quadrat	Number of trees with hollows	0	Total length fallen logs >10cm width (m)	15m	
Whole Veg. Zone	Over-storey regeneration	All canopy species in Veg Zone		Regen (Y/N) (indiv. <5cm?)	Proportion
		E. haemastoma	Y		1 E
		C. gummifera	Y		
		A. crassifolia	Y		

Strata	Form	Species	Height range	PFC
Upper 1	T	Corymbia gummifera	8–10m	35%
Upper 2	T	Eucalyptus haemastoma	7–8m	15%
Mid 1	S	Allocasuarina littoralis	5–6m	10%
Mid 2	S	banksia serrata	3–4m	3%
Lower 1	G	Xanthorea	0.5–1m	10%
Lower 2	R	Lomandra longifolia	1–2m	2%

Form: (T) Tree; (M) Mallee tree; (S) Shrub; (G) Tussock Grass (Poa/Themeda); (d) Sod grass (Couch/Kikuyu); (L) Vine/climber/scrambler; (V) Sedge (Cyperoid); (R) Rush (Restioid, Juncaceae); (F) Forb; (E) Fern; (P) Palm; (A) Cycad

1

Site name	Lindfield	Plot no.	BB03	Date	5-5-17
PCT	HESW	Ancillary			

	Natives (20m Quadrat)	F	C	A	Exotics (20m Quadrat)	F	C	A
	OVERSTOREY							
1	Corymb gumm	T	35	9				
2	E. fraxm	T	15	4				
3	Ang crass.	T	10	1				
4								
5								
6								
7								
8								
	MIDSTOREY							
1	Alloces lit	T	2	5	Dead trng	S	<1	2
2	Bank ser.	T	3	5	Pimelea lit	S	1	1
3	Howea sencea	S	2	10	Persoonia laev.	S	1	1
4	Micrath enc	S	<1	50	Lambertia formo	S	1	1
5	Ang juv	T	<1	1	Acacia suav.	S	1	2
6	Persoona pin	T	<1	1	Unknown (1)	S	1	2
7	Orolaenthus pop	T	<1	1	Acacia long	S	1	2
8	Juv euc.	T	<1	1	Ex Electryon sp			
9	Pitto und	T	<1	1				
10	Petro pulch	S	<1	2	Lepto min	S	<1	1
	GROUNDCOVER / other Exotic							
1	Lepido fil.	V	10	100	Asparagus asper.	V	<1	10
2	Lomandra long	R	2	20	Ochna serr	S	<1	2
3	Lomandra obliqua	R	<1	20				
4	Cyatho dregea	R	<1	20				
5	Xanth A (5)	G	10	20				
6	Patersonia sencea var glab	R	<1	20				
7	Lepido lat	V	5	100				
8	Ansopogon and	G	<1	2				
9	Ento stricta	G	<1	100				
10	Dianella caerulea var prod		<1	20	Ento marg	G	2	50
11	Phyllanthus hirtellus	F	<1	50	Boss scallop	F	<1	1
12	Actinotus omeri		<1	1	Pteris acumrata	O	<1	1
13	Cassytha pub	V	1	2	Schoenus apogon	R	<1	1
14	Reed var.	F	<1	1				
15	Blue/grey sedge (6)	V	<1					
16	Ptilothrix deusta	R	<1	10				
17	Lomandra multi	R	<1	2				
18	Caustis flex	R	1	20				
19	Caesia par var. parv	F	<1	1				
20	Lomandra fil. var. 700	R	1	50				
21	Crypto erecta	O	<1	5				
22	Crypto sub	O	<1	50				
23	Hibb aspera	F	<1	5				

* **Cover (C)**: Estimate of the appropriate cover measure for each recorded species; from 1–5 and then to the nearest 5%;.
Abundance (A): A relative measure of the number of individuals or shoots of a species within the plot. Use the following intervals, 1,2,3,4,5,6,7,8,9,10,20,50,100,500,1000 or specify a number greater than 1000 if required.

Form: * (T) Tree; (M) Mallee tree; (S) Shrub; (G) Tussock Grass (Poa/Themeda); (d) Sod grass (Couch/Kikuyu); (L) Vine/climber/scrambler; (V) Sedge (Cyperoid); (R) Rush (Restioid, Juncaceae); (F) Forb; (E) Fern; (P) Palm; (A) Cycad

Braun-blanquet: 1=<5% (rare, <3 individividuals); 2=<5% (uncommon, scattered/localised); 3=<5% (common, consistent thru plot); 4a=<5% (very abundant, many individuals thru plot); 4b=5-25%; 5=25-50%; 6=50-75%; 7=75-100%

* Note: Cover and Abundance should be collected unless otherwise stated, as per Native Veg. Interim Type Standard (Sivertsen 2009)

2

Lindfield UTS Kuringgai

Abundant litter Rocky.

Eco Logical Australia - Biobank plot data sheet

Site Sheet No.

Site Identifier	BB4	Recorders	TP	Date	23-11-17.
Project Identif.	Project name and number	Easting *	St: 329841	Northing*	St: 6259657
			End: 329853		End: 6259702
GPS datum	GDA	Photo no. (Camera)	St: BB6 start	Trans. orient/ Slope/Aspect	-5°
			End: BB6 End		6° / 95°

* Record from Easting and Northing from both ends of the 50m transect. Point holed rib of star picket along transect line.

Vegetation Zone Identification and Characteristics

Biometric Vegetation Type (Create a standard short version)	Corymbia gum. Euc haem, E. pip, Ang hisp												
Ancillary Code (Usually condition description)	Understrubbed												
Condition (Low or Mod-Good)	M-G	Habitat Features	Nest boxes, leaf litter Rocky										
Patch Size – within 100 m (select)	< 0.1	0.1	0.5	1	2	5+ ha (Mostly same / different type? (select)							
Whole vegetation Zone	Over-storey regeneration	All canopy spp. in vegetation zone		Regen Y/N (< 5 cm DBH)		Proportion							
		Corymbia gum	Y	Angoph crass	Y	1							
		Angoph hispida	Y										
		Euc haem	Y										

20 x 20m Quadrat	Number of NSW native plant spp.	Use species list over page (full Id is not required when guaranteed native) 55											(NPS)
50m Transect at 10 Points	Native over-storey cover (%)	10	45	30	35	30	2	10	30	25	50	Sum / 10	26.7 '%' (NOS)
	Native mid-storey cover (pfc % /1m²)	0	0	0	0	0	<1	0	0	0	0	Sum / 10	0 '%' (NMS)
NATIVE GROUND COVER 50m Transect 50 Points Record all 'hits'	Native ground cover - Grasses (hits / 50 points)	IIII III										Double score out of 50 to get '%'	16 '%' (NGCG)
	Native ground cover - Shrubs (hits / 50 points)	I										Double score out of 50 to get '%'	2 '%' (NGCS)
	Native ground cover - Other (hits / 50 points)	IIII										Double score out of 50 to get '%'	10 '%' (NGCO)
EXOTIC along 50m Transect 10 + 50 points	Overstorey (10 pts)	0	0	0	0	0	0	0	0	0	0	(a)	Sum exotic cover from (a)+(b)+(c)
	Midstorey (10 pts)	0	0	0	0	0	0	0	0	0	0	(b)	
	Ground cover (score at 50 pts)											0 (c)	0 '%'
transect	Other intercepts influencing %age	Count of bare ground / rock intercepts		Rock lots			Soil crust / mosses + fungi + algae + lichens						Litter lots
20m x 50m Quadrat	Number of trees with hollows	Nest box 2 Hest 0					Total length fallen logs >10cm width (m)						18m

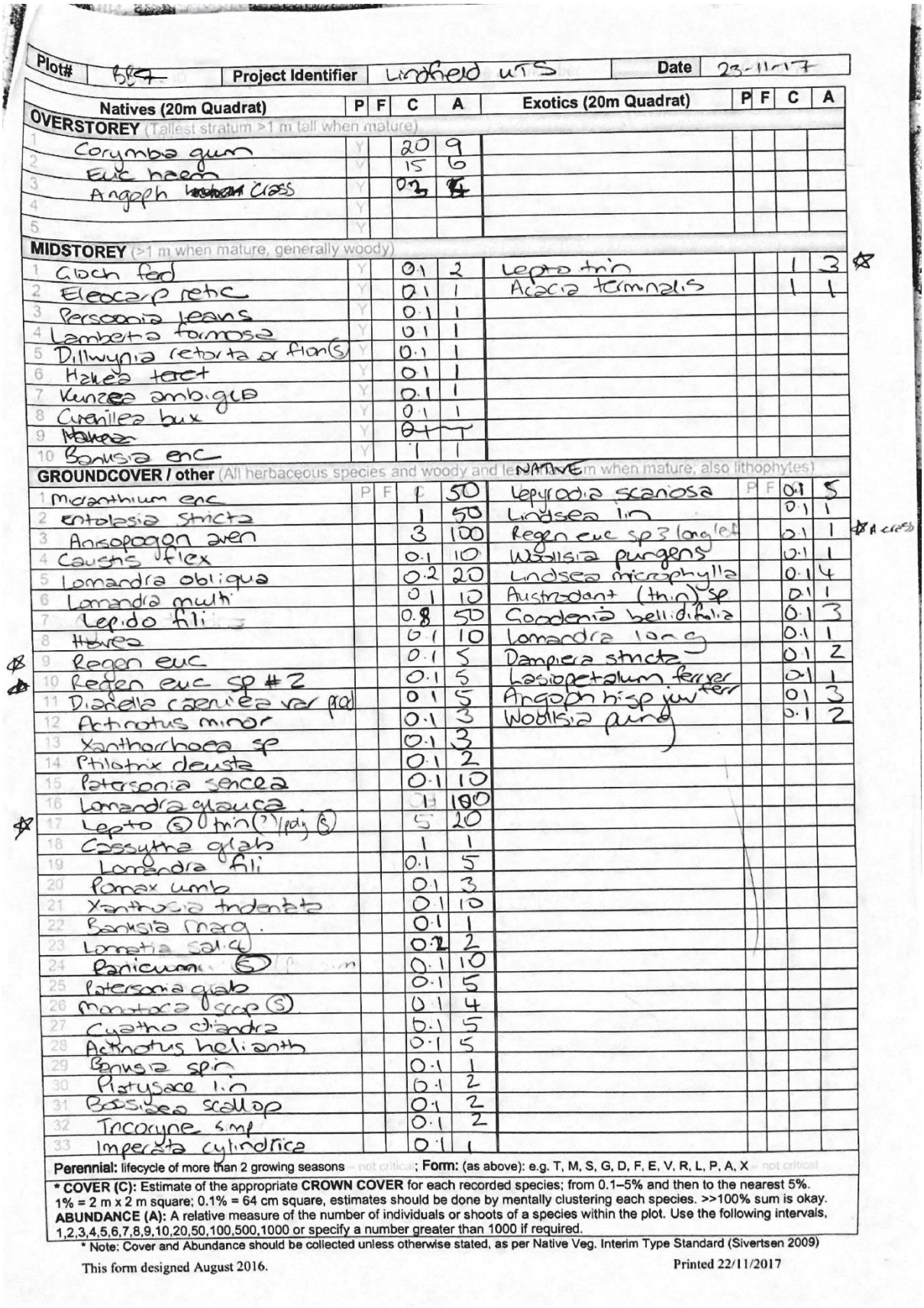
Strata	Growth Form/s	Up to 4 Species per stratum in quadrat at scale: Nominate/circle: 0.04 ha (e.g. 20 x 20) or 0.1 ha (e.g. 20 x 50)	Height range	Projected Cover
Upper 1		Corymbia gum	7-15m	30
Upper 2		Euc haem	10-12m	5
Canopy percentage crown cover (select)		0-5 5-9.9 10-29 30-49 50-69 70-90 90+		
Mid 1		Banksia eric	3-6m	0.1
Mid 2		Gloc ferd	0.1-4m	3
Understorey woody percentage crown cover (select)		0-5 5-9.9 10-29 30-49 50-69 70-90 90+		
Lower 1		Anisopogon aven	0-0.8	1
Lower 2		Imperata cylindrica	0-0.3	3
Perennial native groundcover cr. cover %age (select)		0-5 5-9.9 10-29 30-49 50-69 70-90 90+		

Growth Form: e.g. (T) Tree; (M) Mallee tree; (S) Shrub; (G) Tussock Grass (Poa/Themeda); (D) Sod grass (Couch / Kikuyu); (V) Sedge (Cyperoid); (R) Rush (incl. Juncaceae, Lomandra); (F) Forb; (E) Fern; (L) Vine/climber/scrambler; (P) Palm; (A) Cycad; (X) Xanthorrhoea

Height range is to the upper edge of the elements of that stratum. **Crown cover** treats canopy elements as solid polygons. **Projected Cover** includes all foliage and other structures that will intercept light to a plane below that stratum.

This form designed August 2016.

Printed 22/11/2017



Plot#	B54	Project Identifier	Lindfield UTS	Date	23-11-17

Natives (20m Quadrat)	P	F	C	A
OVERSTOREY (Tallest stratum >1 m tall when mature)				
1 Corymbia gum	Y		20	9
2 Euc haem	Y		15	6
3 Angoph ~~hispida~~ crass	Y		0.3	4
4	Y			
5	Y			
MIDSTOREY (>1 m when mature, generally woody)				
1 Gloch fad	Y		0.1	2
2 Elaeocarp reticu	Y		0.1	1
3 Persoonia levis	Y		0.1	1
4 Lambertia formosa	Y		0.1	1
5 Dillwynia retorta or fian(s)	Y		0.1	1
6 Hakea teret	Y		0.1	1
7 Kunzea ambigua	Y		0.1	1
8 Cyathea aust	Y		0.1	1
9 ~~Melaleuca~~	Y		0.1	1
10 Banksia enc	Y		1	1

Natives (20m Quadrat)	P	F	C	A
GROUNDCOVER / other (All herbaceous species and woody and le~~NATIVE~~m when mature, also lithophytes)				
1 Microlaena stip			1	50
2 Entolasia stricta			1	50
3 Ansopogon aven			3	100
4 Caustis flex			0.1	10
5 Lomandra obliqua			0.2	20
6 Lomandra multi			0.1	10
7 Lepido fili			0.8	50
8 Hibbertia			0.1	10
9 Regen euc			0.1	5
10 Regen euc sp #2			0.1	5
11 Diplolaena dentata var pal			0.1	5
12 Actinotus minor			0.1	3
13 Xanthorrhoea sp			0.1	3
14 Ptilotrix deusta			0.1	2
15 Patersonia sericea			0.1	10
16 Lomandra glauca			1	100
17 Lepto (s) trin (~~lepty~~) (s)			5	20
18 Cassytha glab			1	1
19 Lomandra fili			0.1	5
20 Pomax umb			0.1	3
21 Xanthosia tridentata			0.1	10
22 Banksia marg.			0.1	1
23 Lomatia silaif			0.2	2
24 Panicum (E)			0.1	10
25 Patersonia glab			0.1	5
26 Monotoca scop (S)			0.1	4
27 Cyatho cunn			0.1	5
28 Actinotus helianth			0.1	5
29 Banksia spin			0.1	1
30 Platysace lin			0.1	2
31 Basseia scallop			0.1	2
32 Tricoryne simp			0.1	2
33 Imperata cylindrica			0.1	1

Natives (20m Quadrat)	P	F	C	A
Leptospermum			1	3
Acacia terminalis			1	1

Natives (20m Quadrat)	P	F	C	A
Lepyrodia scariosa			0.1	5
Lindsaea lin			0.1	1
Regen euc sp 3 (seedlet)			0.1	1
Woollsia pungens			0.1	1
Lindsaea microphylla			0.1	4
Austrodant (thin) sp			0.1	1
Goodenia bellidifolia			0.1	3
Lomandra long			0.1	1
Dampiera stricta			0.1	2
Lasiopetalum ferrug			0.1	1
Angoph hisp juv ~~terr~~			0.1	3
Woollsia pung			0.1	2

Perennial: lifecycle of more than 2 growing seasons ; **Form:** (as above): e.g. T, M, S, G, D, F, E, V, R, L, P, A, X

*** COVER (C):** Estimate of the appropriate **CROWN COVER** for each recorded species; from 0.1–5% and then to the nearest 5%. 1% = 2 m x 2 m square; 0.1% = 64 cm square, estimates should be done by mentally clustering each species. >>100% sum is okay.
ABUNDANCE (A): A relative measure of the number of individuals or shoots of a species within the plot. Use the following intervals, 1,2,3,4,5,6,7,8,9,10,20,50,100,500,1000 or specify a number greater than 1000 if required.

* Note: Cover and Abundance should be collected unless otherwise stated, as per Native Veg. Interim Type Standard (Sivertsen 2009)

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Appendix B: Calculation of future site value for APZ

Vegetation Zone: Dwarf Apple - Broad-leaved Scribbly Gum - Sydney Peppermint low open woodland on sandstone ridges with subtle enrichement in northern Sydney - Moderate/Good (Underscrubbed)

Site attribute	Benchmark	Biometric plot data values*	Current site value scores	Future site value score - APZ	Justification
Native plant species richness	39	45	3	2	Current species richness substantially higher than benchmark. It is unlikely that more than 20 species will be completely removed, which is required for the score to drop below 2. A score of 2 has therefore been allocated.
Native over-storey cover	14.0 to 41.0	18.9	3	3	The target of 30% cover for OPAs remains within benchmark, the score for the OPAs is 3.
Native mid-storey cover	6.0 to 35.0	6.3	3	3	The target of 30% cover for OPAs remains well within benchmark, therefore a score of 3 has been allocated.
Native ground cover (grasses)	2.0 to 16.0	40	0	0	Site value score is currently 0. The credit calculator does not allow an increase. Therefore 0 has been allocated.
Native ground cover (shrubs)	11.0 to 39.0	5	1	1	Site value score is currently 1. The credit calculator does not allow an increase. Therefore 1 has been allocated.
Native ground cover (other)	7.0 to 44.0	13	3	2	Site value score has been reduced to 2 to allow for thinning of the ground layer.
Number of trees with hollows	1	0	0	0	Site value score is currently 0. The credit calculator does not allow an increase. Therefore 0 has been allocated.
Total length of fallen logs	30	29	2	1	Fallen logs reduced to 1 for OPA due to APZ management.
Exotic plant cover	N/A	0	3	3	Site currently has low weed levels. APZ management will continue to suppress weed cover. Score has been maintained at 3.
Overstorey regeneration	N/A	1	3	1	Overstorey regeneration reduced to 1 for OPA in recognition of maintenance of ground layer.

* Average based on two plots (BB01 and BB04)

Vegetation Zone: Smooth-barked Apple - Red Bloodwood open forest on enriched sandstone slopes around Sydney and the Central Coast (Intact)

Site attribute	Benchmark	Biometric plot data values	Current site value scores	Future site value score - OPA	Justification
Native plant species richness	39	43	3	2	Current species richness substantially higher than benchmark. It is unlikely that more than 20 species will be completely removed, which is required for the score to drop below 2. A score of 2 has therefore been allocated.
Native over-storey cover	14.0 to 41.0	43.5	2	2	Area is currently over benchmark. The current score of 2 has been allocated as thinning is unlikely to reduce cover below benchmark.
Native mid-storey cover	6.0 to 35.0	0.2	0	0	Site value score is currently 0. The credit calculator does not allow an increase. Therefore 0 has been allocated.
Native ground cover (grasses)	2.0 to 16.0	14	3	2	Site value score has been reduced to 2 to allow for thinning of the ground layer.
Native ground cover (shrubs)	11.0 to 39.0	2	1	1	Site value score is currently 1. The credit calculator does not allow an increase. Therefore 1 has been allocated.
Native ground cover (other)	7.0 to 44.0	30	3	2	Site value score has been reduced to 2 to allow for thinning of the ground layer.
Number of trees with hollows	1	7	3	3	APZ management will minimise impacts on hollows. Score maintained at 3.
Total length of fallen logs	30	25	2	1	Fallen logs reduced to 1 for OPA due to APZ management.
Exotic plant cover	N/A	0	3	3	Site currently has low weed levels. APZ management will continue to suppress weed cover. Score has been maintained at 3.
Overstorey regeneration	N/A	1	3	1	Overstorey regeneration reduced to 1 for OPA in recognition of maintenance of ground layer.

Appendix C: Likelihood Table

Scientific Name Common Name	Legal Status	Number of records	Closest record and date	Most recent and proximity	Likelihood of occurrence	
					Prior to field assessment	Post field assessment
KINGDOM: Animalia; CLASS: Amphibia						
Heleioporus australiacus Giant Burrowing Frog	EPBC Act: V TSC Act: V	0	N/A	N/A	Not present	Not present
Litoria aurea Green and Golden Bell Frog	EPBC Act: V TSC Act: E	1	4.25 km (5/03/1999)	5/03/1999 (4.25 km)	Low	Not present
Pseudophryne australis Red-crowned Toadlet	TSC Act: V	33	0.2 km (1/12/2003)	4/02/2012 (2.56 km)	Moderate	Low
KINGDOM: Animalia; CLASS: Aves						
Apus pacificus Fork-tailed Swift	EPBC Act: C, J, K	1	0.77 km (30/12/2004)	30/12/2004 (0.77 km)	Low	Low
Botaurus poiciloptilus Australasian Bittern	EPBC Act: E TSC Act: E1	2	1.15 km (30/10/2000)	23/06/2011 (1.39 km)	Low	Not present
Callocephalon fimbriatum Gang-Gang Cockatoo	TSC Act: V	4	4.86 km (20/11/2004)	20/11/2004 (4.86 km)	Moderate	Low
Calyptorhynchus lathami Glossy Black-Cockatoo	TSC Act: V	5	1.11 km (30/12/2004)	23/07/2005 (3.33 km)	Moderate	Low
Daphoenositta chrysoptera Varied Sittella	TSC Act: V	2	3.91 km (7/04/1997)	10/01/2004 (4.04 km)	Low	Low
Egretta sacra Eastern Reef Egret	EPBC Act: C	1	4.1 km (10/01/2004)	10/01/2004 (4.1 km)	Not present	Not present

Scientific Name Common Name	Legal Status	Number of records	Closest record and date	Most recent and proximity	Likelihood of occurrence	
					Prior to field assessment	Post field assessment
Ephippiorhynchus asiaticus Black-necked Stork	TSC Act: E1	1	2.63 km (25/10/2004)	25/10/2004 (2.63 km)	Not present	Not present
Glossopsitta pusilla Little Lorikeet	TSC Act: V	1	0.77 km (30/12/2004)	30/12/2004 (0.77 km)	Low	Low
Haliaeetus leucogaster White-bellied Sea-Eagle	TSC Act: V	30	0.27 km (30/12/2004)	15/10/2011 (4.9 km)	Moderate	Not present
Hieraaetus morphnoides Little Eagle	TSC Act: V	2	0.77 km (30/12/2004)	30/12/2004 (0.77 km)	Low	Low
Hirundapus caudacutus White-throated Needletail	EPBC Act: C, J, K	13	0.27 km (30/12/2004)	30/12/2004 (0.27 km)	Low	Low
Ixobrychus flavicollis Black Bittern	TSC Act: V	6	0.48 km (6/08/2008)	1/10/2009 (0.77 km)	Low	Not present
Lathamus discolor Swift Parrot	EPBC Act: CE TSC Act: E1	6	0.42 km (20/04/2002)	30/05/2007 (4.35 km)	Moderate	Low
Ninox connivens Barking Owl	TSC Act: V	7	0.29 km (28/09/2007)	13/05/2014 (3.11 km)	Moderate	Moderate
Ninox strenua Powerful Owl	TSC Act: V	221	0.31 km (8/11/1998)	1/08/2016 (0.95 km)	High	Moderate
Pandion cristatus Eastern Osprey	TSC Act: V	4	1.54 km (31/05/2012)	31/05/2012 (1.54 km)	Low	Low
KINGDOM: Animalia; CLASS: Mammalia						
Cercartetus nanus Eastern Pygmy-possum	TSC Act: V	1	4.13 km (15/10/2004)	15/10/2004 (4.13 km)	Moderate	Low

Scientific Name Common Name	Legal Status	Number of records	Closest record and date	Most recent and proximity	Likelihood of occurrence	
					Prior to field assessment	Post field assessment
Dasyurus maculatus Spotted-tailed Quoll	TSC Act: V EPBC Act: E	1	2.27 km (9/01/2002)	9/01/2002 (2.27 km)	Moderate	Low
Isoodon obesulus obesulus Southern Brown Bandicoot (eastern)	TSC Act: E1 EPBC Act: E	1	4.92 km (20/09/2011)	20/09/2011 (4.92 km)	Moderate	Low
Miniopterus schreibersii oceanensis Eastern Bentwing-bat	TSC Act: V	24	0.74 km (18/09/2012)	26/04/2016 (3.92 km)	High	Recent record
Mormopterus norfolkensis Eastern Freetail-bat	TSC Act: V	2	4.04 km (9/01/2004)	31/03/2005 (4.57 km)	Low	Low
Myotis macropus Southern Myotis	TSC Act: V	3	3.76 km (9/02/2016)	9/02/2016 (3.76 km)	Low	Low
Petauroides volans Greater Glider	EPBC Act: V	1	4.29 km (24/02/2004)	24/02/2004 (4.29 km)	Low	Not present
Petaurus australis Yellow-bellied Glider	TSC Act: V	1	0.67 km (20/01/1999)	20/01/1999 (0.67 km)	Low	Not present
Phascolarctos cinereus Koala	EPBC Act: V TSC Act: V	0	N/A	N/A	Not present	Not present
Pteropus poliocephalus Grey-headed Flying-fox	TSC Act: V	540	0.6 km (1/12/2001)	25/04/2016 (3.92 km)	High	Moderate
Scoteanax rueppellii Greater Broad-nosed Bat	TSC Act: V	1	3.76 km (9/02/2016)	9/02/2016 (3.76 km)	Low	Low
KINGDOM: Animalia; CLASS: Reptilia						
Hoplocephalus bungaroides Broad-headed Snake	EPBC Act: V TSC Act: E	0	N/A	N/A	Not present	Not present

Scientific Name Common Name	Legal Status	Number of records	Closest record and date	Most recent and proximity	Likelihood of occurrence	
					Prior to field assessment	Post field assessment
Varanus rosenbergi Rosenberg's Goanna	TSC Act: V	3	3.67 km (30/11/2002)	30/11/2002 (3.67 km)	Moderate	Low
KINGDOM: Plantae						
Callistemon linearifolius Nettled Bottle Brush	TSC Act: V	4	2.01 km (6/11/2000)	23/05/2001 (3.99 km)	Low	Not present
Darwinia biflora	EPBC Act: V TSC Act: V	146	0.18 km (13/10/2003)	16/05/2014 (2.61 km)	High	Low. Although occurs outside of the study area.
Epacris purpurascens var. *purpurascens*	TSC Act: V	9	0.22 km (4/01/1999)	16/05/2014 (3.76 km)	Moderate	Low
Eucalyptus camfieldii Camfield's Stringybark	TSC Act: V EPBC Act: V	3	4.3 km (19/08/2011)	24/11/2001 (4.8 km)	Low	Low
Grevillea parviflora subsp. *parviflora* Small-flower Grevillea	EPBC Act: V TSC Act: V	1	3.13 km (20/08/2009)	20/08/2009 (3.13 km)	Low	Low
Hibbertia puberula	TSC Act: V	0	N/A	N/A	Not present	Not present
Hibbertia spanantha Julian's Hibbertia	EPBC Act: CE TSC Act: E4A	1	1.91 km (15/09/2014)	15/09/2014 (1.91 km)	Low	Low
Lasiopetalum joyceae	EPBC Act: V TSC Act: V	1	4.8 km (23/11/2005)	23/11/2005 (4.8 km)	Low	Low
Melaleuca deanei Deane's Paperbark	EPBC Act: V TSC Act: V	2	3.76 km (9/02/2016)	9/02/2016 (3.76 km)	Low	Low
Microtis angusii Angus's Onion Orchid	EPBC Act: E TSC Act: E	0	N/A	N/A	Not present	Not present
Pimelea curviflora var. *curviflora*	EPBC Act: V TSC Act: V	1	3.89 km (1/03/2007)	1/03/2007 (3.89 km)	Low	Low

Scientific Name Common Name	Legal Status	Number of records	Closest record and date	Most recent and proximity	Likelihood of occurrence	
					Prior to field assessment	Post field assessment
Prostanthera marifolia Seaforth Mintbush	EPBC Act: CE TSC Act: CE	0	N/A	N/A	Not present	Not present
Syzygium paniculatum Magenta Lilly Pilly	TSC Act: E EPBC Act: V	10	1.64 km (26/08/2008)	22/04/2014 (1.96 km)	Low	Low
Tetratheca glandulosa	TSC Act: V	2	4.3 km (28/10/2001)	28/10/2001 (4.3 km)	Low	Low
KINGDOM: Fungi						
Camarophyllopsis kearneyi	TSC Act: E1	1	2.86 km (13/06/1998)	13/06/1998 (2.86 km)	Low	Low
Hygrocybe anomala var. *ianthinomarginata*	TSC Act: V	1	2.86 km (13/06/1998)	13/06/1998 (2.86 km)	Low	Low
Hygrocybe austropratensis	TSC Act: E1	1	2.86 km (7/06/1998)	7/06/1998 (2.86 km)	Low	Low
Hygrocybe collucera	TSC Act: E1	1	4.03 km (12/06/1999)	12/06/1999 (4.03 km)	Low	Low
Hygrocybe griseoramosa	TSC Act: E1	1	4.03 km (29/05/1999)	29/05/1999 (4.03 km)	Low	Low
Hygrocybe lanecovensis	TSC Act: E1	1	2.86 km (23/08/1998)	23/08/1998 (2.86 km)	Low	Low
Hygrocybe reesiae	TSC Act: V	1	2.86 km (6/07/1998)	6/07/1998 (2.86 km)	Low	Low
Hygrocybe rubronivea	TSC Act: V	1	2.86 km (7/06/1998)	7/06/1998 (2.86 km)	Low	Low

Appendix D: Flora and fauna species inventories

Flora

Family	Genus	Species	Common name	Native/Exotic
Acanthaceae	*Pseuderanthemum*	*variable*	Pastel Flower	Native
Alliaceae	*Agapanthus*	*praecox*	African Lily	Exotic
Anthericaceae	*Caesia*	*parviflora* var. *parviflora*	Pale Grass-lily	Native
Anthericaceae	*Tricoryne*	*simplex*		Native
Apiaceae	*Actinotus*	*minor*	Lesser Flannel Flower	Native
Apiaceae	*Actinotus*	*helianthi*	Flannel Flower	Native
Apiaceae	*Platysace*	*lanceolata*	Shrubby Platysace	Native
Apiaceae	*Platysace*	*linearifolia*		Native
Apiaceae	*Xanthosia*	*tridentata*	Rock Xanthosia	Native
Araliaceae	*Polyscias*	*sambucifolia*	Elderberry Panax	Native
Asparagaceae	*Asparagus*	*aethiopicus*	Ground Asparagus	Exotic
Aspleniaceae	*Asplenium*	*flabellifolium*	Necklace Fern	Native
Asteraceae	*Bidens*	*pilosa*	Cobblers Peg	Exotic
Blechnaceae	*Blechnum*	sp.		Native
Casuarinaceae	*Allocasuarina*	*littoralis*	Black She-oak	Native
Cunoniaceae	*Ceratopetalum*	*gummiferum*	New South Wales Christmas-bush	Native
Cyperaceae	*Caustis*	*flexuosa*	Curly Wig	Native
Cyperaceae	*Cyathochaeta*	*diandra*		Native
Cyperaceae	*Lepidosperma*	*filiforme*		Native
Cyperaceae	*Lepidosperma*	*laterale*		Native
Cyperaceae	*Ptilothrix*	*deusta*		Native
Cyperaceae	*Schoenus*	*apogon*	Common Bog-rush	Native
Dicksoniaceae	*Calochlaena*	*dubia*	Rainbow Fern	Native
Dilleniaceae	*Hibbertia*	*aspera*	Rough Guinea Flower	Native
Dilleniaceae	*Hibbertia*	*dentata*	Trailing Guinea Flower	Native
Elaeocarpaceae	*Elaeocarpus*	*reticulatus*	Blueberry Ash	Native

Family	Genus	Species	Common name	Native/Exotic
Ericaceae - Epacridoideae	*Woollsia*	*pungens*		Native
Euphorbiaceae	*Homalanthus*	*populifolius*	Bleeding Heart	Native
Fabaceae - Caesalpiniodeae	*Senna*	*pendula* var. *glabrata*		Exotic
Fabaceae - Faboideae	*Bossiaea*	*heterophylla*	Variable Bossiaea	Native
Fabaceae - Faboideae	*Bossiaea*	*scolopendria*		Native
Fabaceae - Faboideae	*Desmodium*	sp.		Native
Fabaceae - Faboideae	*Dillwynia*	*retorta*		Native
Fabaceae - Faboideae	*Hovea*	*heterophylla*		Native
Fabaceae - Faboideae	*Mirbelia*	*rubifolia*	Heathy Mirbelia	Native
Fabaceae - Faboideae	*Pultenaea*	*tuberculata*	Wreath Bush-pea	Native
Fabaceae - Mimosoideae	*Acacia*	*suaveolens*	Sweet Wattle	Native
Fabaceae - Mimosoideae	*Acacia*	*irrorata*	Green Wattle	Native
Fabaceae - Mimosoideae	*Acacia*	*terminalis*	Sunshine Wattle	Native
Fabaceae - Mimosoideae	*Acacia*	*longifolia* subsp. *longifolia*	Sydney Golden Wattle	Native
Goodeniaceae	*Dampiera*	*stricta*		Native
Goodeniaceae	*Goodenia*	*bellidifolia*		Native
Goodeniaceae	*Goodenia*	*heterophylla*		Native
Haloragaceae	*Gonocarpus*	*teucrioides*	Raspwort	Native
Iridaceae	*Patersonia*	*glabrata*	Leafy Purple-flag	Native
Iridaceae	*Patersonia*	*sericea*	Silky Purple-flag	Native
Lauraceae	*Cassytha*	*glabella*		Native
Lauraceae	*Cassytha*	*pubescens*		Native
Lauraceae	*Cinnamomum*	*camphora*	Camphor Laurel	Exotic
Lindsaeaceae	*Lindsaea*	*linearis*	Screw Fern	Native
Lindsaeaceae	*Lindsaea*	*microphylla*	Lacy Wedge Fern	Native
Lomandraceae	*Lomandra*	*filiformis*	Wattle Mat-rush	Native
Lomandraceae	*Lomandra*	*glauca*	Pale Mat-rush	Native
Lomandraceae	*Lomandra*	*longifolia*	Spiny-headed Mat-rush	Native
Lomandraceae	*Lomandra*	*obliqua*		Native
Lomandraceae	*Lomandra*	*multiflora*	Many-flowered Mat-rush	Native

Family	Genus	Species	Common name	Native/Exotic
Lomariopsidaceae	*Nephrolepis*	*cordifolia*	Fishbone Fern	Exotic
Luzuriagaceae	*Eustrephus*	*latifolius*	Wombat Berry	Native
Malvaceae	*Lasiopetalum*	*ferrugineum*		Native
Moraceae	*Morus*	*alba*	White Mulberry	Exotic
Myrtaceae	*Angophora*	*costata*	Sydney Red Gum	Native
Myrtaceae	*Angophora*	*crassifolia*		Native
Myrtaceae	*Angophora*	*hispida*	Dwarf Apple	Native
Myrtaceae	*Callistemon*	sp.		Native
Myrtaceae	*Corymbia*	*gummifera*	Red Bloodwood	Native
Myrtaceae	*Eucalyptus*	*piperita*	Sydney Peppermint	Native
Myrtaceae	*Eucalyptus*	*grandis*	Flooded Gum	Native
Myrtaceae	*Eucalyptus*	*haemastoma*	Scribbly Gum	Native
Myrtaceae	*Kunzea*	*ambigua*	Tick Bush	Native
Myrtaceae	*Leptospermum*	*trinervium*	Flaky-barked Tea-tree	Native
Myrtaceae	*Leptospermum*	sp.		Native
Ochnaceae	*Ochna*	*serrulata*	Mickey Mouse Plant	Exotic
Oleaceae	*Ligustrum*	*lucidum*	Large-leaved Privet	Exotic
Oleaceae	*Ligustrum*	*sinense*	Small-leaved Privet	Exotic
Orchidaceae	*Acianthus*	sp.		Native
Orchidaceae	*Cryptostylis*	*subulata*	Large Tongue Orchid	Native
Orchidaceae	*Cryptostylis*	*erecta*	Bonnet Orchid	Native
Orchidaceae	*Pterostylis*	*acuminata*	Pointed Greenhood	Native
Phormiaceae	*Dianella*	*caerulea* var. *producta*		Native
Phyllanthaceae	*Billardiera*	*scandens*	Hairy Apple Berry	Native
Phyllanthaceae	*Glochidion*	*ferdinandi*	Cheese Tree	Native
Phyllanthaceae	*Phyllanthus*	*tenellus*	Hen and Chicken	Exotic
Phyllanthaceae	*Phyllanthus*	*hirtellus*	Thyme Spurge	Native
Phyllanthaceae	*Pittosporum*	*undulatum*	Native Daphne	Native
Picrodendraceae	*Micrantheum*	*ericoides*		Native
Poaceae	*Andropogon*	*virginicus*	Whisky Grass	Exotic

Family	Genus	Species	Common name	Native/Exotic
Poaceae	*Anisopogon*	*avenaceus*	Oat Speargrass	Native
Poaceae	*Entolasia*	*marginata*	Bordered Panic	Native
Poaceae	*Entolasia*	*stricta*	Wiry Panic	Native
Poaceae	*Imperata*	*cylindrica*	Blady Grass	Native
Poaceae	*Microlaena*	*stipoides* subsp. *stipoides*	Weeping Grass	Native
Poaceae	*Oplismenus*	*aemulus*	Australian Basket Grass	Native
Poaceae	*Panicum*	*simile*	Two-colour Panic	Native
Poaceae	*Rytidosperma*	sp.		Native
Proteaceae	*Banksia*	*ericifolia*	Heath-leaved Banksia	Native
Proteaceae	*Banksia*	*marginata*	Silver Banksia	Native
Proteaceae	*Banksia*	*serrata*	Old-man Banksia	Native
Proteaceae	*Banksia*	*spinulosa*	Hairpin Banksia	Native
Proteaceae	*Grevillea*	*speciosa*	Red Spider Flower	Native
Proteaceae	*Grevillea*	*buxifolia*	Grey Spider Flower	Native
Proteaceae	*Hakea*	*sericea*	Needlebush	Native
Proteaceae	*Hakea*	*teretifolia*	Needlebush	Native
Proteaceae	*Lambertia*	*formosa*	Mountain Devil	Native
Proteaceae	*Lomatia*	*silaifolia*	Crinkle Bush	Native
Proteaceae	*Persoonia*	*pinifolia*	Pine-leaved Geebung	Native
Proteaceae	*Persoonia*	*levis*	Broad-leaved Geebung	Native
Proteaceae	*Petrophile*	*pulchella*	Conesticks	Native
Restionaceae	*Lepyrodia*	*scariosa*		Native
Rosaceae	*Rubus*	*fruticosus*	Blackberry	Exotic
Rubiaceae	*Opercularia*	*hispida*	Hairy Stinkweed	Native
Rubiaceae	*Pomax*	*umbellata*		Native
Rutaceae	*Zieria*	*smithii*	Sandfly Zieria	Native
Sapindaceae	*Alectryon*	sp.		Exotic
Sapindaceae	*Dodonaea*	*triquetra*	Large-leaf Hop-bush	Native
Smilacaceae	*Smilax*	*glyciphylla*	Sweet Sarsaparilla	Native
Solanaceae	*Solanum*	*mauritianum*	Wild Tobacco Bush	Exotic

Family	Genus	Species	Common name	Native/Exotic
Solanaceae	*Solanum*	*nigrum*	Black-berry Nightshade	Exotic
Stylidiaceae	*Stylidium*	*productum*		Native
Thymelaeaceae	*Pimelea*	*linifolia*	Slender Rice Flower	Native
Vitaceae	*Cayratia*	*clematidea*	Native Grape	Native
Xanthorrhoeaceae	*Xanthorrhoea*	*arborea*		Native
Xanthorrhoeaceae	*Xanthorrhoea*	*media*	Grass Tree	Native

Fauna

Class	Family	Scientific name	Common name	Native/ Exotic	Observation type
Amphibia	Limnodynastidae	*Limnodynastes peronii*	Brown-striped Frog	Native	W
Amphibia	Myobatrachidae	*Crinia signifera*	Common Eastern Froglet	Native	W
Aves	Accipitridae	*Accipiter cirrocephalus*	Collared Sparrowhawk	Native	Q
Aves	Artamidae	*Cracticus tibicen*	Australian Magpie	Native	OW
Aves	Artamidae	*Cracticus torquatus*	Grey Butcherbird	Native	W
Aves	Artamidae	*Strepera graculina*	Pied Currawong	Native	W
Aves	Cacatuidae	*Cacatua galerita*	Sulphur-crested Cockatoo	Native	W
Aves	Cacatuidae	*Calyptorhynchus funereus*	Yellow-tailed Black-Cockatoo	Native	W
Aves	Campephagidae	*Coracina novaehollandiae*	Black-faced Cuckoo-shrike	Native	W
Aves	Charadriidae	*Vanellus miles*	Masked Lapwing	Native	W
Aves	Climacteridae	*Cormobates leucophaea*	White-throated Treecreeper	Native	OW
Aves	Columbidae	*Streptopelia chinensis*	Spotted Dove	Exotic	O
Aves	Corvidae	*Corvus coronoides*	Australian Raven	Native	W
Aves	Megapodiidae	*Alectura lathami*	Australian Brush-turkey	Native	Q
Aves	Meliphagidae	*Manorina melanocephala*	Noisy Miner	Native	OW
Aves	Meliphagidae	*Meliphaga lewinii*	Lewin's Honeyeater	Native	OW
Aves	Pardalotidae	*Pardalotus punctatus*	Spotted Pardalote	Native	W
Aves	Petroicidae	*Eopsaltria australis*	Eastern Yellow Robin	Native	W
Aves	Psittacidae	*Glossopsitta concinna*	Musk Lorikeet	Native	W
Aves	Psittacidae	*Platycercus elegans*	Crimson Rosella	Native	OW
Aves	Psittacidae	*Trichoglossus haematodus*	Rainbow Lorikeet	Native	W
Aves	Rhipiduridae	*Rhipidura albiscapa*	Grey Fantail	Native	OW
Mammalia	Canidae	*Vulpes vulpes*	European Red Fox	Exotic	Q
Mammalia	Felidae	*Felis catus*	Domestic Cat	Exotic	Q
Mammalia	Macropodidae	*Wallabia bicolour*	Swamp Wallaby	Native	Q
Mammalia	**Miniopteridae**	***Miniopterus schreibersii oceanensis***	**Eastern Bentwing Bat**	Native	U
Mammalia	Molossidae	*Austronomus australis*	White-striped freetail Bat	Native	U
Mammalia	Muridae	*Rattus rattus*	Black Rat	Exotic	Q

Class	Family	Scientific name	Common name	Native/ Exotic	Observation type
Mammalia	Peramelidae	*Perameles nasuta*	Long-nosed Bandicoot	Native	Q
Mammalia	Phalangeridae	*Trichosurus vulpecula*	Common Brushtail Possum	Exotic	Q
Mammalia	Pseudocheiridae	*Pseudocheirus peregrinus*	Common Ringtail Possum	Native	O,Q
Mammalia	Pteropodidae	*Pteropus poliocephalus*	Grey-headed Flying-fox	Native	W
Mammalia	Vespertilionidae	*Chalinolobus gouldii*	Gould's Wattled Bat	Native	U

Observation type = O (seen), W (heard call), OW (seen and heard), U (ultrasonic recording, Q (camera)

Appendix E: Biodiversity Credit Report

Attached as PDF.

Biodiversity credit report

This report identifies the number and type of biodiversity credits required for a major project.

Date of report: 1/06/2018 Time: 12:16:13PM Calculator version: v4.0

Major Project details

Proposal ID:	0076/2018/4826MP
Proposal name:	Lindfield Learning Village FBA Assessment - May 2017
Proposal address:	100 Eton Road Lindfield NSW 2070
Proponent name:	Department of Education
Proponent address:	Level 4, 35 Bridge Street Sydney NSW 2000
Proponent phone:	1300 679 332
Assessor name:	Lucas McKinnon
Assessor address:	29 Munni Street Newtown NSW 2042
Assessor phone:	0421 603 549
Assessor accreditation:	0076

Summary of ecosystem credits required

Plant Community type	Area (ha)	Credits created
Dwarf Apple - Broad-leaved Scribbly Gum - Sydney Peppermint low open woodland on sandstone ridges with subtle enrichement in northern Sydney	1.32	54.00
Smooth-barked Apple - Red Bloodwood open forest on enriched sandstone slopes around Sydney and the Central Coast	0.42	14.00
Total	1.74	68

Credit profiles

1. Smooth-barked Apple - Red Bloodwood open forest on enriched sandstone slopes around Sydney and the Central Coast, (ME64)

Number of ecosystem credits created	14
IBRA sub-region	Pittwater (Part B)

Offset options - Plant Community types	Offset options - IBRA sub-regions
Smooth-barked Apple - Red Bloodwood open forest on enriched sandstone slopes around Sydney and the Central Coast, (ME64)	Pittwater (Part B) and any IBRA subregion that adjoins the IBRA subregion in which the development occurs

2. Dwarf Apple - Broad-leaved Scribbly Gum - Sydney Peppermint low open woodland on sandstone ridges with subtle enrichement in northern Sydney, (ME67)

Number of ecosystem credits created	54
IBRA sub-region	Pittwater (Part B)

Offset options - Plant Community types	Offset options - IBRA sub-regions
Dwarf Apple - Broad-leaved Scribbly Gum - Sydney Peppermint low open woodland on sandstone ridges with subtle enrichement in northern Sydney, (ME67)	Pittwater (Part B) and any IBRA subregion that adjoins the IBRA subregion in which the development occurs