

Soils	REFER Major Attributes of Dominan			Main <sup>♭</sup> PPF	Area (ha
	LEVEL TO GENTLY UNDULA uniform coarse-textured with t				
coarser Cressbrook	0.1-0.4 m dark or brown loamy sand to sandy l		-	Uc5.11	280.2
(Cr)	yellow-brown or yellow layered loamy sand to medium pebbles in subsoil. Well drained with s 6.5 and subsoil 5.6-6.8. Soil depth >1.3 m.				
Soils are u textures	iniform medium-textured with	sandy cl	ay loam to clay	loam	
Honey (Hy)	0.2-0.4 m dark sandy clay loam surface over gre sandy clay loam to clay loam. Well drained w throughout profile. Soil depth >1.1 m.			Um5.22	387.0
Soils are u Basel	Iniform fine-textured 0.1-0.2 m silty light clay to light medium clay over	r dark or grey li		Uf6.33	3643.1
(Bs)	medium clay to medium clay. Imperfectly to drained with surface pH of 5.8-7.5 and subsoil 7 >1.2 m.	moderately v	vell Dermosols		
Cooeeimbardi (Cb)	0.1-0.2 m dark light clay to light medium clay ow medium heavy clay. Imperfectly drained with su and subsoil 7.5-8.5. Soil depth >1.3 m.			Ug5.16	260.3
Toogoolawah (Tw)	0.1 m dark light medium clay over grey medium orange mottles. Imperfectly drained with surface subsoil 5.5-6.0. Soil depth >1.5 m.			Ug5.33	135.7
Soils have	gradational profiles     0.1-0.3 m dark sandy clay loam to clay loam si	urface over bro	wn Brown or Red	Gn3.12	1237.1
(Bd) Harper	light clay to medium heavy clay. Moderately surface pH of 5.7-6.5 and subsoil 6.0-6.8. Soil de 0.1-0.3 m dark fine sandy clay loam to clay loam	well drained v epth 0.8- >1.5 r	vith Dermosols n.	Gn3.22 Gn3.12	954.3
(Hp)	or dark fine sandy light clay to light medium clay common orange mottles. Moderately well draine of 5.8-6.5 and subsoil 6.0-7.0. Soil depth >1.5 m	/ with occasion d with surface	ally Dermosols	010.12	00110
Soils with Beausang	a strong texture contrast bety 0.2-0.45 m occasionally bleached, dark fine sa	ween A a		Dy3.32	285.1
(Bg)	with common orange mottles. Imperfectly draine of 5.8-6.5 and subsoil 6.8 to 8.0. Soil depth 0.8-:	ay to medium o d with surface	ay Chromosols	Dy2.12	200.1
Conondale (Cn)	0.2-0.3 m dark over grey sandy clay loam to c over grey light medium clay to medium clay with	lay loam surfa h common orar	nge Chromosols	Dy3.23 Dy3.13	345.1
Cookes	mottles. Imperfectly to moderately well drained v 5.5-7.5, subsoil 5.5-8.5 and 8.0-9.3 at depth. Soi 0.15-0.25 m dark over grey sandy clay loam to d	l depth >1.4 m. clay loam surfa	ice, Brown	Dy3.21	126.3
(Co)	over yellow-brown light medium clay with few to Imperfectly drained with surface pH of 5.5-5.8 ar Soil depth 1.1-1.5 m.	nd subsoil 5.7-5	5.8.		
Grigor (Gr)	0.15-0.25 m dark fine sandy loam to clay loam light medium clay to medium clay. Moderately surface pH of 6.0 and subsoil 6.2-6.8. Soil depth	well drained v		Dd1.12	286.3
Gunyah (Gy)	0.1-0.2 m dark clay loam surface over grey or medium clay to medium clay. Imperfectly draine of 6.5-8.3 and subsoil 8.0-8.5. Soil depth >1.5 m.	yellow-brown li d with surface		Dy2.13	234.1
Ottaba (Ot)	01 0.5-8.3 and subsoli 8.0-8.5. Soli depth >1.5 m 0.2-0.3 m dark over grey sandy clay loam sur brown medium clay to medium heavy clay common orange mottles. Imperfectly drained w	face, over yello with occasion	ally Chromosols	Dy3.21 Dy2.31	125.7
Smokes	6.0 and subsoil 5.5-5.8. Soil depth >1.0 m. 0.3-0.5 m dark over grey sandy loam to fine sa	ndy loam surfa	ce, Brown	Dy3.21	356.5
(Sk)	over yellow-brown or brown sandy light clay to common grey or red mottles. Imperfectly to mode with surface pH of 5.5-7.0 and subsoil 5.5-6.3.	erately well drain	ned		
Spencer (Sp)	0.2-0.3 m dark over bleached grey clay loam sui brown medium clay with occasionally grey mottl moderately well drained with surface pH of 6.0-9.	les. Imperfectly	to Chromosols,	Dy3.33 Dy2.33	130.2
Soils with	9.5. Soil depth >1.6 m. a strong texture contrast or a				
Gallanani (GI)	0.2-0.4 m dark to yellow-brown fine sandy clay dark, yellow-brown or brown fine sandy light me	loam surface o edium clay to li	ver Black or Brown ght Chromosols,	Db1.12 Dd1.12	50.4
Obi	medium clay. Moderately well drained with surfa and subsoil 6.5-8.0. soil depth >1.0 m. 0.2-0.4 m dark over grey sandy loam surface		Dermosols	Dy2.32 Dy3.23	23.5
(Ob)	medium clay with common yellow mottles. Imper surface pH of 7.0 and subsoil 8.5-9.2. Soil depth	fectly drained v		·	
	UNDULATING TO ROLLING F eloped on sedimentary rocks	RISES			
Horse (Hs)	0.1-0.3 m dark over grey fine sandy loam, over medium clay to medium heavy clay with common Moderately well drained with surface pH 5.2-6.0	on orange mottl	es.	Dy3.21	88.1
Jonlyn (JI)	<ul> <li>5.5. Soil depth &gt;0.6 m.</li> <li>0.1 m dark clay loam over grey medium heavy orange mottles. Moderately well drained with pH</li> </ul>	clay with comn	non Grey	Dy3.11	377.9
Kamerigo	to many shale fragments throughout profile. Soil 0.1-0.25 m dark over grey or yellow-brown loam	depth <0.5 m. to clay loam, o	ver Red Chromosols,	Dr3.11	398.6
(Ka)	red-brown or red medium clay with comm Moderately to well drained with surface pH of 5. 5.0-7.0. Soil depth 0.6-1.5 m.			Dr3.31	
Kenilworth (KI)	0.1-0.2 m dark light clay surface over brown light medium clay. Moderately well drained with surfa and subsoil 5.8-7.0. Soil depth 0.3-0.6 m.			Uf6.31	449.3
Kilcoy (Ky)	0.1-0.45 m dark to grey fine sandy clay loam brown light medium clay. Well drained with surf and subsoil 6.7. Soil depth 0.4-0.9 m.			Db1.11 Dy2.11	1878.4
Noon (Nn)	0.1-0.2 m dark over grey clay loam surface, over yellow light clay to light medium clay. Moderately	/ well drained w	vith Dermosols	Gn3.22 Db2.31	38.3
Soils deve	surface pH of 5.5-6.5 and subsoil 5.5-7.0. Fe throughout profile. Soil depth 0.5- >1.5 m eloped on acid igneous rocks	w quartz pebb	les		
Berrima (Be)	0.15-0.35 m sandy loam to sandy clay loam surf yellow-brown sandy clay loam to sandy lig	ht medium c	lay.	Gn2.84 Gn2.41	118.0
Boolumba	Moderately well drained with surface pH of 5.5-5. 5.5. Soil depth >0.5 m. 0.1-0.2 m dark clay loam to light clay surface over	er brown or yelle	ow- Brown	Gn2.41	121.4
(Bo)	brown light clay to medium heavy clay. Model drained with surface pH of 5.5-6.0 and subsoil 5 0.4-1.1 m.			Uf6.12	
Durundur (Dd)	0.15-0.35 m dark over grey fine sandy loam t loam, over yellow-brown or yellow fine sandy lig medium heavy clay with common grey and	ght medium clay	to Chromosols	Dy3.21 Dy3.22	2626.3
Esk	Moderately well drained with surface pH of 5.5-6. 7.0. Soil depth 0.6-1.7 m.	7 and subsoil 6	3.0-	105 11	92.0
(Ek)	0.1-0.4 m dark sandy loam surface over grey sandy loam. Moderately well drained with pH of 5 Soil depth 0.2-0.7 m.	5.5-6.5 through	but.	Uc5.11	
Glenfern (Gf)	0.3-0.45 m dark over grey fine sandy loam, over to medium heavy clay with common orange m well drained with surface pH of 5.5-6.7 and su	ottles. Modera	tely Chromosols,	Dy3.21	1417.4
Royston (Rt)	depth 0.5-1.6 m. 0.2-0.3 m dark over grey sandy clay loam to cla light medium clay to medium heavy clay with			Dy3.21	618.4
Scrubby	mottles. Imperfectly to moderately well drained v 5.5-7.0 and subsoil 5.5-6.3. Soil depth 0.6-1.0 m 0.15-0.3 m dark clay loam to sandy light clay si	with surface pH	of	Uf6.31	312.5
(Sc)	red-brown light clay to sandy light medium clay drained with surface pH of 5.5-6.5 throughout.	y. Moderately v	vell Red Dermosols	Gn3.11	512.5
Winya (Wn)	<ol> <li>m.</li> <li>m</li></ol>	on yellow mott	les.	Dr3.21 Dr3.22	150.1
Soils day	Moderately well drained with surface pH of 6.0-6. 7.0. Soil depth 1.1-1.4 m.				
D'Aguilar (Dg)	eloped on intermediate and ba 0.25 m dark over grey clay loam with few roo bedrock. Well drained with pH of 6.0			Um	
Deer (Dr)	0.2-0.3 m dark over grey light clay, over brown medium heavy clay with few rock fragments drained with surface pH of 6.0-7.0 and subsoil 5	. Moderately	vell Dermosols	Uf6.31	413.6
Dunwich	0.4-1.5 m. Dark over grey clay loam, over brown medium	clay. Well drair	ned Brown	Db1.23	229.3
(Dw) Jimna	with surface pH of 5.7-7.7, subsoil 7.0-8.7 and Soil depth 0.6-1.6 m. 0.1-0.3 m dark light clay to light medium clay	over grey or d	ark Grey or Black	Ug5.24	207.6
(Jn) Paddy	medium clay. Imperfectly drained with surface p subsoil 6.5-8.5. Soil depth >1.1 m. 0.1-0.2 m dark over bleached loam to clay lo	oam surface, c	ver Brown	Ug5.16 Db1.41	118.5
(Pd)	yellow-brown medium clay to medium heavy c fragments. Moderately well drained with surfac subsoil 5.3-5.5. Soil depth 0.8-0.9 m.	lay with few re	ock Chromosols	Dy3.41	
Moore (Mo)	0.15 m dark over bleached clay loam, over yelk clay with few rock fragments. Well drained wit depth 0.5 m.			Dy2.42	56.5
Soils deve Bunya (Bu)	eloped on metamorphic rocks 0.1-0.35 m dark over bleached grey fine sandy or light medium clay to medium clay. Well drained v 6.0-7.0 and subsoil 4.5-6.0. Soil depth 0.5-1.1 m	with surface p⊦		Dr2.31 Dr2.41	132.9
MISCELLA	NEOUS	SOIL DEF	PTH PHASES		
DDE	Drainage depressions	<b>Subscript</b> 1 = 0.25 - 0.50m			
Swamps		2 = 0.50 - 0 3 = 0.75 - 7	).75m		
		LANDFO		_	
Dams		<b>Symbol</b> LP	Relief-Model Class	<b>Descripti</b> <9m relie	<b>on</b> f and <1% slop
Urban are	as	GP	Gently Undulating Plains		f and 1-3% slo
		UP	Undulating Plains	<9m relie	f and 3-10% sl
LEGEND		UR	Undulating Rises		ief and 3-10%

LEGEND Shire boundary 린내해들 Cadastral boundaries





<b>Subscript</b> = 0.25 - 0.50m 2 = 0.50 - 0.75m 3 = 0.75 - 1.0m						
ANDFORM						
Symbol	Relief-Model Class	Description				
_P	Level Plains	<9m relief and <1% slope				
θP	Gently Undulating Plains	<9m relief and 1-3% slope				
JP	Undulating Plains	<9m relief and 3-10% slope				
JR	Undulating Rises	9-30m relief and 3-10% slope				
JL	Undulating Low Hills	30-90m relief and 3-10% slope				
R₁R	Rolling Rises	9-30m relief and 10-15% slope				
R₁L	Rolling Low Hills	30-90m relief and 10-15% slope				
$R_2R$	Rolling Rises	9-30m relief and 15-20% slope				
$R_2L$	Rolling Low Hills	30-90m relief and 15-20% slope				
₹₃L	Rolling Low Hills	30-90m relief and 20-32% slope				
SL	Steep Low Hills	30-90m relief and >32% slope				

a Soil Profile Class. b Australian Soil Classification (Isbell 1996). c Main Principal Profile Forms (Northcote 1979). d Relief-Modal Slope as defined by Speight in McDonald et al. (1990).

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