Project Name: Project Code: Agency Name:	DD DD Site ID: CSIRO Division of Soils (Q		bservatio	on ID:	1
Site Information	1				
Desc. By: Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.:	G.D. Hubble 07/10/54 Sheet No. : 9142 1:100000 151.3116666666667 -27.7455555555556	Locality: Elevation: Rainfall: Runoff: Drainage:	No Data 610 Slow Imperfec	tly draine	d
<u>Geology</u> ExposureType: Geol. Ref.:	Soil pit Qpc	Conf. Sub. is Pare Substrate Materia			a poring, 2 m deep,Unconsolidated I (unidentified)
Land Form Rel/Slope Class:	Gently undulating plains <9m 1- 3%	Pattern Type:	Alluvial p	olain	
Morph. Type: Elem. Type: Slope:	No Data Plain 0 %	Relief: Slope Category: Aspect:	No Data No Data No Data		
Surface Soil Co	ndition (dry): Self-mulching				
Erosion:					
Soil Classificati	on				
Australian Soil Cl	assification:	Маррі	ing Unit:		N/A
Endocalcareous-Er Vertosol	ndohypersodic Self-Mulching Black	••	pal Profile	Form:	Ug5.16
•	ytical data are available.		Soil Grou	•	Black earth
	e: No effective disturbance other				
Vegetation:	Low Strata - Tussock grass, , .	*Species includes - I	None recor	ded	
	Tall Strata - Tree, 6.01-12m, S		ides - None	e Recorde	ed
Surface Coarse	Fragments: No surface coarse	fragments			
Profile Morphol					
AB 0 - 0.1 m	Very dark grey (10YR3/1-N consistence; 0-2%, fine gra (pH meter); Common, very	avelly, 2-6mm, subrou	unded, Qua	artz, coars	
B2 0.1 - 0.46	m Very dark grey (10YR3/1-N blocky; Moderately moist; Quartz, coarse fragments; change to -	Very firm consistence	e; 0-2%, fir	ne gravelly	
B2 0.46 - 1.0	7 m Very dark grey (10YR3/1-N Firm consistence; 0-2%, fin Calcareous, Fine (0 - 2 mm Gradual change to -	ne gravelly, 2-6mm, Q	uartz, coai	rse fragm	ents; Very few (0 - 2 %),
B2 1.07 - 1.3	2 m Very dark grey (10YR3/1-M Firm consistence; 0-2%, fin Calcareous, Medium (2 -6	ne gravelly, 2-6mm, Q	luartz, coai	rse fragm	ents; Very few (0 - 2 %),
B2 1.37 - 1.8	3 m Dark greyish brown (10YR Moist; Weak consistence; 0 2 %), Calcareous, Medium	0-2%, fine gravelly, 2-	-6mm, Qua	rtz, coars	e fragments; Very few (0 -
Morphological N	<u>lotes</u>				
Observation No					
	AR GRADING TO BLOCKY STRU	CTURE			
Site Notes					

Site Notes DARLING DOWNS

Project Name:	DD			
Project Code:	DD	Site ID:	B246	Observation ID: 1
Agency Name:	CSIRO Divisio	n of Soils (0	QLD)	

## Laboratory Test Results:

Depth	рН	1:5 EC		angeable			xchangeable	CEC	E	CEC	E	SP
m		dS/m	ca N	lg	к	Na Cmol (+)/	Acidity /kg				%	, D
0 - 0.1 0.1 - 0.46	7.2H 7.6H	0.042B 0.096B	27.8K	23.3	1.7	1.6	7.5D					
0.46 - 1.07 1.07 - 1.32 1.37 - 1.83	8.4H 8.7H 8.8H	0.297B 0.37B 0.385B	26.2K	31.8	0.7	6.7	0.9D					
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Pa GV	rticle S	Size A FS	Analysis Silt C	lav
m	%	%	ng/kg	%	%	%	Mg/m3		00	%	one e	July
0 - 0.1 0.1 - 0.46		3.2A	565C	0.156F	0.22	2B	1.20 1.20	0	13C	10	13	58
0.46 - 1.07 1.07 - 1.32	0.14C	0.78A					1.20	0.9	10C	7	12	68
1.37 - 1.83	1.11C	0.19A		0.12F				3	8C	8	17	65
Depth	COLE		Gravi	metric/Vol	umetric W	ater Conte	ents		K sa	t	K unsat	
m		Sat.	0.05 Bar	0.1 Bar g/g	0.5 Bar J - m3/m3	1 Bar	5 Bar 1	5 Bar	mm/ł	ı	mm/h	
0 - 0.1 0.1 - 0.46 0.46 - 1.07				0.52C 0.51C				0.37C 0.42C				
1.07 - 1.32 1.37 - 1.83				0.02C								

Project Name:	DD		
Project Code:	DD	Site ID:	B246
Agency Name:	CSIRO	Division of Soils (C	QLD)

## Observation ID: 1

## Laboratory Analyses Completed for this profile

15_NR_CA 15_NR_H 15_NR_K 15_NR_MG 15_NR_NA 19B_NR 2_LOI 2A1 3_NR 4_NR 5_NR 6A1 7_NR 9_NR 9A_NR 910_GRAV P10_NR_C P10_NR_C P10_NR_Z P3A_NR P3B_VL_01	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded Hydrogen Cation - meq per 100g of soil - Not recorded Exch. basic cations (K++) - meq per 100g of soil - Not recorded Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded Exch. basic cations (Na++) - meq per 100g of soil - Not recorded Calcium Carbonate (CaCO3) - Not recorded Loss on Ignition (%) Air-dry moisture content Electrical conductivity or soluble salts - Not recorded pH of soil - Not recorded Water soluble Chloride - Cl(%) - Not recordede Organic carbon - Walkley and Black Total nitrogen (%) - Not recorded Available P (mg/kg) - Not recorded Gravel (%) Clay (%) - Not recorded Fine sand (%) - Not recorded Silt (%) - Not recorded Bulk density - Not recorded 0 1 BAR Moisture m3/m3 - Volumetric using suction plate
P3B_VL_01	0.1 BAR Moisture m3/m3 - Volumetric using suction plate
P3B_VL_15	15 BAR Moisture m3/m3 - Volumetric using pressure plate