Projec	ct Name: ct Code: cy Name:	DD DD Site ID: CSIRO Division of Soils (G		bservation ID	D: 1			
Desc. Date D Map R Northi Eastin	esc.: ef.: ng/Long.: g/Lat.:	C.H. Thompson 01/10/53 Sheet No. : 9242 1:100000 151.525 -27.5580555555556	Locality: Elevation: Rainfall: Runoff: Drainage:	427 metres 660 Moderately ra Moderately w				
<u>Geolo</u> Expos Geol. I	ureType:	Soil pit Czw		Conf. Sub. is Parent. Mat.: No Data Substrate Material: Soil pit, 1.6 m deep,Basalt				
<u>Land</u> Rel/Sid	Form ope Class:	Undulating low hills 30-90m 3- 10%	Pattern Type:	Low hills				
Morph Elem. Slope:	•••	No Data Pediment 0 %	Relief: Slope Category: Aspect:	30 metres No Data No Data				
<u>Surfa</u>	ce Soil Co	ndition (dry): Self-mulching						
<u>Erosic</u> Soil C	<u>on:</u> Classificati	on						
Epicalo ASC C All neo Site D	careous-Enc Confidence cessary ana	assification: ohypersodic Self-Mulching Red V ytical data are available. <u>e:</u> No effective disturbance other	ertosol Princi Great	ing Unit: ipal Profile Fori Soil Group: ed animals	N/A m: Ug5.16 Black earth			
		Tall Strata - Tussock grass, 0. Fragments: 0-2%, cobbly, 60-2		becies includes -	Aristida species, Dichanthium sericeum			
Profile	e Morphol	oqv						
AB	0 - 0.1 m	Very dark grey (10YR3/1-	eak consistence; Very	few (0 - 2 %), C	Calcareous, Medium (2 -6 mm),			
B21	0.1 - 0.3	blocky; Moderately moist; - 20 %), Calcareous, Med	Very dark grey (10YR3/1-Dry); ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderately moist; Very firm consistence; 0-2%, Quartz, coarse fragments; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 9.3 (pH meter); Common, fine (1-2mm) roots; Gradual change to -					
B21	0.3 - 0.64	blocky; Moderately moist; - 20 %), Calcareous, Med	Very dark grey (10YR3/1-Dry); ; Heavy clay; Moderate grade of structure, Lenticular; , Angular blocky; Moderately moist; Very firm consistence; 0-2%, Quartz, coarse fragments; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 9.4 (pH meter); Few, fine (1-2mm) roots; Gradual change to -					
B21	0.64 - 0.9	, , , , , , , , , , , , , , , , , , , ,	Very firm consistence	; Very few (0 - 2	structure, Lenticular; , Angular ? %), Calcareous, Medium (2 -6 Gradual change to -			
B22	0.91 - 1.1		y; Moist; Firm consiste	ence; Very few (0 - 2 %), Calcareous, Medium			
B22	1.19 - 1.5	Lenticular; , Angular block	Yellowish brown (10YR5/4-Moist); , 10YR43; Heavy clay; Moderate grade of structure, Lenticular; , Angular blocky; Moist; Firm consistence; 0-2%, Substrate material, coarse fragments; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Nodules; Field pH 9 (pH meter);					
<u>Mor</u> ph	hological	Notes						
	vation No							

Observation Notes 0-10CM GRANULAR GRADING TO BLOCKY STRUCTURE Site Notes DARLING DOWNS

Project Name:	DD				
Project Code:	DD	Site ID:	B200	Observation ID:	1
Agency Name:	CSIRO Division	of Soils (Q	LD)		

Laboratory Test Results:

Depth	рН	1:5 EC		angeable Ig	Cations K	Na	Exchangeable Acidity	CEC		ECEC		ESP
m		dS/m		.9		Cmol (%
0 - 0.1 0.1 - 0.3 0.3 - 0.64 0.64 - 0.91 0.91 - 1.14 1.19 - 1.52	8.6H 9.3H 9.4H 9H 9H 9H	0.06B 0.12B 0.38B 0.68B 0.74B 0.74B	31.6K	18.9	0.56	6.3				57.4E	-	
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Tota K		Pa GV	rticle CS	Size FS	Analys Silt	is Clay
m	%	%	mg/kg	%	%	%				%		
0 - 0.1 0.1 - 0.3 0.3 - 0.64 0.64 - 0.91 0.91 - 1.14 1.19 - 1.52	11.1C	1.9E 1.26A 1E 0.75E 0.47E 0.2E	980C	0.126F	-				4C	15	5 14	52

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat	
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m				g	/g - m3/m	3			mm/h	mm/h
0 - 0.1										

0.1 - 0.3 0.3 - 0.64 0.64 - 0.91 0.91 - 1.14 1.19 - 1.52

Project Name:	DD		
Project Code:	DD	Site ID:	B200
Agency Name:	CSIRO	Division of Soils (C	(LD)

Laboratory Analyses Completed for this profile

15_NR	Sum of Ex. cations + Ex. acidity - Not recorded
15_NR_CA	Exch. basic cations (Ca++) - meg per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meg per 100g of soil - Not recorded
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - CI(%) - Not recordede
6A1	Organic carbon - Walkley and Black
6Z	Organic carbon (%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded

Observation ID: 1