

**Project Name:** Bradshaw  
**Project Code:** BRD      **Site ID:** 205      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (SA)

**Site Information**

<b>Desc. By:</b>	I. Hollingsworth	<b>Locality:</b>	
<b>Date Desc.:</b>	14/10/96	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 4966-1 1:50000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	8308342 AMG zone: 52	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	663162 Datum: AGD66	<b>Drainage:</b>	Poorly drained

**Geology**

<b>ExposureType:</b>	Auger boring	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	Paa	<b>Substrate Material:</b>	Siltstone

**Land Form**

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	0 metres
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	No Data
<b>Slope:</b>	0.5 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** N/A

**Erosion:** Active, Minor (sheet)

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	32
Mottled Eutrophic Brown Kandosol Thin Non-gravelly Clay-loamy Clayey Moderately deep	<b>Principal Profile Form:</b>	N/A

**ASC Confidence:**

All necessary analytical data are available.

**Great Soil Group:** N/A

**Site Disturbance:** No effective disturbance other than grazing by hoofed animals

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Closed or dense. \*Species includes - Sorghum timorense, Chrysopogon fallax,  
Themeda triandra Mid Strata - Shrub, 1.01-3m, Very sparse. \*Species includes - Carissa lanceolata, Dodonaea species

Tall Strata - Tree, 3.01-6m, Closed or dense. \*Species includes - None Recorded

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

A1	0 - 0.05 m	Very dark greyish brown (10YR3/2-Moist); , 10YR52, 2-10% , 5-15mm, Faint; , 5YR68; Sandy clay loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; 0-2%, medium gravelly, 6-20mm, angular, dispersed, Sandstone, coarse fragments; Field pH 7 (Raupach);
B21	0.05 - 0.2 m	Strong brown (7.5YR4/6-Moist); , 10YR58, 10-20% , 5-15mm, Prominent; , 5YR58; Light clay; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Very few (0 - 2 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; Field pH 5.5 (Raupach);
B22	0.2 - 0.5 m	Yellowish brown (10YR5/4-Moist); , 10YR58, 20-50% , 5-15mm, Prominent; , 2.5YR48; Light medium clay; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) macropores, Moderately moist; Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; Field pH 5 (Raupach);
D	0.5 - 0.7 m	Light brownish grey (10YR6/2-Moist); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Few (<1 per 100mm2) macropores, Moderately moist; Very plastic; Normal plasticity; Very sticky; Few cutans, <10% of ped faces or walls coated, distinct; Field pH 5.5 (Raupach);

**Morphological Notes**

**Observation Notes**

KANDOLOL

**Site Notes**

PHOTO NO; SURFACE - 11, MELALEUCA MINUTIFOLIA, M.SERICIUM, TERMINALIA PLATYPTERA, COCH LOSPERNUM FRASERII  
- INDICATES ROCK, CARISSA LANCEOLATA, PODMEA, CHRYSOPOGEN FALLAX, SURGHAM SP, ERIACHME, KANDOSOL, BROWN, DYSTROPHIC?,... THIN, NON ...

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable Acidity		CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na				%
						Cmol (+)/kg				

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt Clay
								%	

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/m3				mm/h mm/h

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Laboratory Analyses Completed for this profile