

Project Name: Bradshaw
Project Code: BRD **Site ID:** 109B **Observation ID:** 1
Agency Name: CSIRO Division of Soils (SA)

Site Information

Desc. By:	I. Hollingsworth	Locality:	
Date Desc.:	12/10/96	Elevation:	10 metres
Map Ref.:	Sheet No. : 4966-1 1:50000	Rainfall:	No Data
Northing/Long.:	8302790 AMG zone: 52	Runoff:	Very slow
Easting/Lat.:	653680 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Paa	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Cracking, Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	51
Haplic Self-Mulching Black Vertosol Non-gravelly Very fine Very fine Very deep		Principal Profile Form:	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 - Iseilema species, Chrysopogon fallax,
Dicanthium fecundum, Panicum decompositum, Aristida latifolia, Ventilago viminalis
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eulalia aurea, Lysiphyllum cunninghamii, Acacia bidwillii,
Eucalyptus terminalis

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.03 m	Dark greyish brown (2.5Y4/2-Moist); , 0-0% ; Heavy clay; Strong grade of structure, <2 mm, Granular; Rough-ped fabric; Extremely coarse, (50 - 100) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very plastic; Normal plasticity; Very sticky; Field pH 7 (Raupach); Clear, Smooth change to -
B2	0.03 - 0.65 m	Dark greyish brown (2.5Y4/2-Moist); , 0-0% ; Heavy clay; Strong grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Extremely coarse, (50 - 100) mm crack; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very plastic; Normal plasticity; Very sticky; Many cutans, >50% of ped faces or walls coated, distinct; Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; Field pH 9 (Raupach); Common, fine (1-2mm)

Morphological Notes

Observation Notes

Site Notes

SAME AS 109A

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0 - 0.03	6.7C 7.2A	0.05A
0.1 - 0.2	6.7C 7.6A	0.03A

0 - 0.03
0.1 - 0.2

0 - 0.03
0.1 - 0.2

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Laboratory Analyses Completed for this profile

3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
4B2	pH of 1:5 soil/0.01M calcium chloride extract - following Method 4A1