

Project Name: WQR
Project Code: WQR **Site ID:** B125 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	22/06/51	Elevation:	162 metres
Map Ref.:	Sheet No. : 7545 1:100000	Rainfall:	300
Northing/Long.:	143.483333333333	Runoff:	Slow
Easting/Lat.:	-26.133333333333	Drainage:	Imperfectly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Qa	Substrate Material:	Auger boring, 1 m deep, Porous, Unconsolidated material (unidentified)

Land Form

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

Surface Soil Condition (dry): Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Endohypersodic Self-Mulching Grey Vertosol		Principal Profile Form:	Ug5.26
ASC Confidence:		Great Soil Group:	Grey clay

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Tussock grass, , Closed or dense. *Species includes - None recorded
Tall Strata - Tree, , Isolated clumps. *Species includes - Acacia cambagei

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

AB	0 - 0.08 m	Light brownish grey (2.5Y6/2-Moist); ; Medium clay; Moderate grade of structure, Granular; Dry; Very firm consistence; Field pH 7 (pH meter); Clear change to -
B2	0.08 - 0.46 m	Greyish brown (2.5Y5/2-Moist); ; Heavy clay; Moderate grade of structure, Angular blocky; Dry; Very firm consistence; Few (2 - 10 %), Gypseous, , Crystals; Field pH 6.9 (pH meter); Gradual change to -
B2	0.46 - 0.91 m	Greyish brown (2.5Y5/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moderate grade of structure, Angular blocky; Moderately moist; Firm consistence; Few (2 - 10 %), Gypseous, , Crystals; Diffuse change to -
B2	0.91 - 1.22 m	Light grey (2.5Y7/2-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moderate grade of structure, Angular blocky; Moderately moist; Firm consistence; Few (2 - 10 %), Gypseous, , Crystals; Field pH 7.6 (pH meter);

Morphological Notes

Observation Notes

0-8CM GRANULAR GRADING TO BLOCKY STRUCTURE

Site Notes

THYLUNGRA

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.08	7H	0.07B								
0.08 - 0.46	6.9H	2.2B								
0.91 - 1.22	7.1H	3.49B								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.08			8C									
0.08 - 0.46												
0.91 - 1.22												

Depth	COLE	Sat.	Gravimetric/Volumetric Water Contents	K sat	K unsat
m			0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar	mm/h	mm/h
0 - 0.08			g/g - m3/m3		
0.08 - 0.46					
0.91 - 1.22					

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Laboratory Analyses Completed for this profile

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 - Cl(%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded