

Project Name: WQR
Project Code: WQR **Site ID:** B166 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	G.D. Hubble	Locality:	
Date Desc.:	01/07/51	Elevation:	166 metres
Map Ref.:	Sheet No. : 7545 1:100000	Rainfall:	280
Northing/Long.:	143.1	Runoff:	Very slow
Easting/Lat.:	-26.5	Drainage:	Poorly drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Kw	Substrate Material:	Soil pit, 0.3 m deep, Unconsolidated material (unidentified)

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Surface crust

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Brown Dermosol		Principal Profile Form:	Uf6.33
ASC Confidence:	No analytical data and little or no knowledge of this soil.	Great Soil Group:	Solonchak

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

Vegetation:

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.15 m	Reddish brown (5YR5/4-Moist); ; Clay loam; Strong grade of structure, 10-20 mm, Angular blocky; Dry; Firm consistence; Field pH 6 (pH meter); Gradual change to -
A12	0.15 - 0.3 m	Yellowish brown (10YR5/4-Moist); ; Clay loam (Heavy); Strong grade of structure, 20-50 mm, Angular blocky; Dry; Firm consistence; Field pH 6.3 (pH meter); Gradual change to -
C	0.3 - 0.46 m	Light yellowish brown (10YR6/4-Moist); ; Light clay; Massive grade of structure; Dry; Firm consistence; Field pH 6.3 (pH meter); Diffuse change to -
C	0.46 - 0.61 m	Light yellowish brown (10YR6/4-Moist); ; Clay loam; Massive grade of structure; Dry; Firm consistence; Field pH 6.2 (pH meter); Diffuse change to -
C	0.61 - 0.91 m	Light yellowish brown (10YR6/4-Moist); ; Clay loam; Massive grade of structure; Dry; Firm consistence; Field pH 6.2 (pH meter);

Morphological Notes

Observation Notes

SURFACE CRUST: COARSE HEXAGONAL CRACKING PATTERN NO VEG BARE SCALDED AREA IN OPEN MITCHELL GRASS PLAIN

Site Notes

THYLUNGRA

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable	Cations	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg	K	Na	Acidity		%
						cmol (+)/kg			
0 - 0.15	6H	1.09B							
0.15 - 0.3	6.3H	1.34B							
0.3 - 0.46	6.3H	1.33B							
0.46 - 0.61	6.2H	1.33B							
0.61 - 0.91	6.2H	1.09B							

[illegible][illegible]

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Laboratory Analyses Completed for this profile

3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recorded