Project Name: WQR
Project Code: WQR **Site ID:** M4 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	Hollond, D	**Locality:**	Gilruth Plains Station: Coney paddock:
Date Desc.:	01/11/53	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	0
Northing/Long.:	146	**Runoff:**	No Data
Easting/Lat.:	-28	**Drainage:**	No Data

Geology

ExposureType:	No Data	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	No Data

Land Form

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

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: Gc1.22
Great Soil Group: Solonized brown soil

Site Disturbance:

Vegetation: Low Strata - Hummock grass, 0.26-0.5m, Mid-dense. *Species includes - Aristida species
Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus populnea, Acacia aneura

Surface Coarse Fragments: 10-20%, , rounded, Silcrete

Profile Morphology

0 - 0.28 m	Yellowish red (5YR5/6-Moist); ; Sandy medium clay; Massive grade of structure; 0-2%, Charcoal, coarse fragments; FewDiffuse change to -
0.28 - 0.76 m	Yellowish red (5YR5/8-Moist); ; Light clay; Massive grade of structure; 0-2%, Charcoal, coarse fragments; FewDiffuse change to -
0.76 - 0.91 m	Pinkish grey (5YR6/2-Moist); ; Medium clay; Massive grade of structure; Few (2 - 10 %), Ferruginous, , Concretions; FewSharp change to -
0.91 - 1.11 m	; Fragipan, Strongly cemented, Continuous;

Morphological Notes

Observation Notes

Site Notes

CUNNAMULLA

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.1	5.3H	0.008B	1K	1.2	0.61	0.04	6.2D			
0.28 - 0.56	4.9H	0.011B								
0.76 - 0.91	6.1H	0.008B								
0.91 - 1.11	7H	0.012B								

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.1				0.015F	0.045B			<1	35C	32	11	21
0.28 - 0.56				0.012F				4	33C	35	8	23
0.76 - 0.91								12	30C	37	11	22
0.91 - 1.11								78				

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
0 - 0.1										
0.28 - 0.56										
0.76 - 0.91										
0.91 - 1.11										

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Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_H	Hydrogen Cation - meq 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++) - meq per 100g of soil - 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 - Cl(%) - Not recordede
7_NR	Total nitrogen (%) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_GRAV	Gravel (%)
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