Project Name: Project Code: Agency Name:	Irrigated Soils of the M.I.A IS Site ID: CSIRO Division of Soils (A	C645a C	)bservatic	on ID:	1
Site Information Desc. By:	<u>n</u> J. Loveday	Locality:	Approxim Benerem		kilomatres southwest of Griffith.
Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.:	01/01/66 1:100000 145.86666667 -34.36666667	Elevation: Rainfall: Runoff: Drainage:	No Data No Data No Data No Data	,	
<u>Geology</u> ExposureType: Geol. Ref.:	Auger boring No Data	Conf. Sub. is Pare Substrate Materia		No Dat No Dat	
Land Form Rel/Slope Class: Morph. Type: Elem. Type: Slope:	No Data No Data No Data %	Pattern Type: Relief: Slope Category: Aspect:	No Data No Data No Data No Data		
Surface Soil Co	ondition (dry):				
Erosion:					
Soil Classificati	ion				
Australian Soil Cl	lassification:	Марр	ing Unit:		N/A
N/A			ipal Profile		Dr2.33
ASC Confidence		Great	Soil Group	p:	Red-brown earth
Confidence level r	e: Cultivation. Irrigated, past or p	vrecent			
Vegetation:	Cultivation. Inigated, past of p	desent			
Surface Coarse	Fragments:				
Profile Morphol					
0 - 0.1 m		,	R5/4-Moist)	; , 10YR	54; Light clay; , Angular
0.1 - 0.4	m Brown (7.5YR4/3-Moist); ;	Medium clay; , Angul	ar blocky;		
0.4 - 0.7	m Brown (7.5YR5/4-Moist); ; Concretions;	Medium clay; Smootl	h-ped fabric	c; Very fe	ew (0 - 2 %), Calcareous, ,
0.7 - 0.9	m Light brownish grey (2.5Y) Concretions; Very few (0 -		Silty clay; V	/ery few	(0 - 2 %), Calcareous, ,
Morphological I	Notes				
	Texture LC to CL and weal Shiny surfaces. Texture is a micaceous silt concretions.		ockets of gy	ypsum ai	nd carbonate
Observation No	otes				
GSG = transitional	RBE. PPF = probably Dr2.33 be	efore cultivation.			
Site Notes					

## Site Notes

Site a and b are no more than 10 to 20m apart

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Agency Name.	COILO DIVISION	01 30113 (F	(01)		

## Laboratory Test Results:

Depth	рН	1:5 EC		hangeable Ng	Cations K	E) Na	changeable Acidity	CEC		ECEC	I	ESP	
m		dS/m	00 1	ng	N	Cmol (+)/						%	
0 - 10 10 - 20	6.9A 8.1A	0.18A 0.21A	9.1A	7.4	1.2	1.6	4.7D			24B			
20 - 30 30 - 40 40 - 60 60 - 80	9A 9A 8.9A 8A	0.45A 0.66A 1.04A 2.8A	6.5E	14.3	0.9	5.1	0D		:	26.8B			
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Pa GV	rticle CS	Size FS	Analysis Silt		
m	%	%	mg/kg	%	%	%				%			
0 - 10 10 - 20 20 - 30	% 0.53B	%	mg/kg	%	%	%	Mg/m3 1.31 1.45 1.45		10C 4C	% 32 22	16 12	42 62	

Depth	COLE	Gravimetric/Volumetric Water Contents					K sat	K unsat		
m		Sat.	0.05 Bar	0.1 Bar g/	0.5 Bar /g - m3/m3	1 Bar B	5 Bar	15 Bar	mm/h	mm/h
0 - 10 10 - 20								0.16B		
20 - 30								0.19B		
30 - 40 40 - 60								0.19B 0.19B		
60 - 80								0.19B 0.18B		

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Project Code:	IS	Site ID:	C645a
Agency Name:	CSIRO Division	of Soils (A	CT)

Observation ID: 1

Laboratory	<u>y Anal</u>	yses	Comp	leted	for	this	<u>profile</u>	

15_NR_H 15A1_CA	Hydrogen Cation - meq per 100g of soil - Not recorded Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts
15C1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15J_H 19B1	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen) Carbonates - manometric
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A1 P10 NR C	Chloride - 1:5 soil/water extract, potentiometric titration Clay (%) - Not recorded
P10 NR CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded
P3A1 P3B_GV_15	Bulk density - g/cm3 15 BAR Moisture g/g - Gravimetric using pressure plate
P6_LP	Dispersion Index (Loveday and Pyle, 1973)