Project Name: Project Code: Agency Name:	Irrigated Soils of the M.I.A. IS Site ID: CSIRO Division of Soils (A	C656a C	bservatio	n ID:	1		
Site Informatio							
Desc. By:	J. Loveday	Locality:	Approxima Whitton, N	,	kilometres southeast of Griffith.		
Date Desc.:	01/01/66	Elevation:	No Data				
Map Ref.:	1:100000	Rainfall:	No Data				
Northing/Long.:	146.13333333	Runoff:	No Data				
Easting/Lat.:	-34.45	Drainage:	No Data				
Geology							
ExposureType:	Auger boring	Conf. Sub. is Pare	ent. Mat.:	No Dat	а		
Geol. Ref.:	No Data	Substrate Materia	l:	No Dat	а		
Land Form							
Rel/Slope Class:	No Data	Pattern Type:	No Data				
Morph. Type:	No Data	Relief:	No Data				
Elem. Type:	No Data	Slope Category:	No Data				
Slope:	%	Aspect:	No Data				
Surface Soil Co	ondition (dry): Self-mulching						
Erosion:	ů						
Soil Classificat	tion						
Australian Soil C	lassification.	Manni	ing Unit:		N/A		
N/A			pal Profile	Form	Uq5.34		
ASC Confidence			•		Grey clay		
Confidence level	-	Great Soil Group:			Gley clay		
	ce: Cultivation. Irrigated, past or pr	recent					
Vegetation:	<u></u> Cultivation. Imgated, past of pr	esent					
Surface Coarse	e Fragments:						
Profile Morpho							
0 - 0.1 m	Dark grey (10YR4/1-Moist)	; ; Medium clay; Very	/ few (0 - 2 %	%), Calc	areous, , Concretions;		
0.1 - 0.9	m Brown (10YR4/3-Moist); ; M Concretions;	Medium clay; , Angula	ar blocky; Ve	ery few (	0 - 2 %), Calcareous, ,		
Morphological	Morphological Notes						
Observation No	otes						
GSG = Grey - bro							

## Site Notes

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

Project Name:	Irrigated Soils o	of the M.I.A	., NSW	
Project Code: Agency Name:	IS CSIRO Division	Site ID: of Soils (A		Observation ID: 1

## Laboratory Test Results:

Depth	рН	1:5 EC		hangeable Mg	Cations K	E Na	Exchangeable Acidity	CEC		ECEC		ESP
m		dS/m	Ca I	wig	ĸ	Cmol (+						%
0 - 10 10 - 20	7.8A 8.5A	0.21A 0.24A	22.7A	10.2	2	1.3	1.8D			38B		
20 - 30 30 - 40	8.8A 8.9A	0.24A 0.27A 0.33A	12.1E	14.7	0.9	3.5	0D			31.2B		
40 - 60 60 - 80	9.1A 9A	0.39A 0.3A										
Depth	CaCO3	Organic	Avail.	Total	Total	Total			article		Analysi	
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS	FS %	Silt	Clay
0 - 10							1.13		8C	24	6	62
10 - 20 20 - 30 30 - 40	1.2B						1.35 1.38 1.48		5C	22	6	67
40 - 60 60 - 80							1.48 1.49					
Depth	COLE			imetric/Vo				_	Ks	at	K unsa	ıt
m		Sat.	0.05 Bar	0.1 Bar g/g	0.5 Bar g - m3/m3	1 Bar	5 Bar 15	Bar	mm	/h	mm/h	

m	g/g - m3/m3	
0 - 10		0.2B
10 - 20		
20 - 30		0.2B
30 - 40		0.22B
40 - 60		0.23B
60 - 80		0.24B

Project Name:	Irrigated Soils of	i the M.I.A.,	NSW
Project Code:	IS	Site ID:	C656a
Agency Name:	CSIRO Division	of Soils (A	CT)

Observation ID: 1

Labo	rato	ory .	Anal	yses	Comp	leted	for	this	s profi	le

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	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
19B1 3A1	Carbonates - manometric EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A1	Chloride - 1:5 soil/water extract, potentiometric titration
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS P10_NR_Z	Fine sand (%) - Not recorded Silt (%) - Not recorded
P3A1	Bulk density - g/cm3
P3B_GV_15	15 BAR Moisture g/g - Gravimetric using pressure plate
P6_LP	Dispersion Index (Loveday and Pyle, 1973)