Project Name Project Code Agency Name	: MR	ora Wongan Hills land re A Site ID: riculture Western Austra	0504 O	bservatio	on ID: 🤺	1			
Site Informati									
Desc. By: Date Desc.: Map Ref.: Northing/Long.	01/01	rahmand /95 510 AMG zone: 50	Locality: Elevation: Rainfall: Runoff:	No Data No Data No Data					
Easting/Lat.:		00 Datum: AGD84	Drainage:	No Data					
<u>Geology</u> ExposureType: Geol. Ref.:	Soil p No D		Conf. Sub. is Pare Substrate Materia		No Data No Data	-			
Landform Rel/Slope Class Morph. Type: Elem. Type: Slope:	s: Level Flat Plain %		Pattern Type: Relief: Slope Category: Aspect:	Alluvial p No Data No Data No Data	lain				
Surface Soil (Conditio	on Soft							
Erosion									
Soil Classific			Manus			N1/A			
Australian Soil Endohypersodic		cation: hic Hypercalcic Calcarosol		ing Unit: pal Profile	Form:	N/A N/A			
ASC Confiden	ce:			Soil Group		N/A			
Confidence leve Site Disturba	•	ecified							
Vegetation									
Surface Coar	se Frag	ments							
Profile Morph	ology								
A1 0-0.1	m	Red (2.5YR4/6-Moist); ; Sar	ndy loam; Moderate	grade of str	ucture, ;	Clear change to -			
A2t 0.1 - 0.	.3 m	Red (2.5YR4/6-Moist); ; Loa	am; Moderate grade	of structure	, Granula	ar; Diffuse change to -			
A21t 0.3 - 0.	.4 m	Red (2.5YR4/6-Moist); ; Sandy clay loam; , Polyhedral; Clear change to -							
B1tk 0.4 - 0. change to -	.8 m	Yellowish red (5YR5/6-Mois	t); ; Sandy clay loam	ı; Massive ç	grade of s	structure; Diffuse			
B2tk 0.8 - 1.1 m Yellowish red (5YR5/6-Moist); Reddish brown (5YR5/4-M				SYR5/4-Moi	st); ; San	dy clay loam;			
Massive grade of		structure; Diffuse change to -							
B22t 1.1 - 1. to -	- 1.4 m Pinkish yellow (7.5YR8/2-Moist); ; Sandy loam; Massive grade of structure; Clear change								
B3t 1.4 - 1.	B3t 1.4 - 1.6 m Red (2.5YR4/6-Moist); , 7.5YR82; Clay loam; Weak grade of structure, Polyhedral;								
Morphologica	al Notes	<u>i</u>							

Observation Notes

Site Notes

Project Name:Moora Wongan Hills land resoProject Code:MRASite ID:050Agency Name:Agriculture Western Australia Moora Wongan Hills land resources surveyMRASite ID:0504Observation 1

Laboratory Test Results:

Depth	рН	1:5 EC	Exc Ca	changeabl Mg	e Cations K	Exchangeable Na Acidity	CEC	ECEC	ESP
m		dS/m	ou	ing	N.	Cmol (+)/kg			%
0 - 0.1	7.8B 8.6H	11B	9.75E	2.74	1.7	0.27	17B	14.46D	1.59
0.1 - 0.3	7.6B 8.3H	16B	10.3E	3.02	1.78	0.32	17B	15.42D	1.88
0.3 - 0.4	8B 8.6H	20B	9.35E	3.98	1.66	0.17	17B	15.16D	1.00
0.4 - 0.8	8.2B	52B	3.88E	5.47	1.57	0.48	12B	11.4D	4.00

0.8 - 1.1	8.7H 8.5B 9.3H	110B	0.6E	4.06	1.2	1.92	8B	7.78D	24.00
1.1 - 1.4	8.6B 9.4H	150B	0.3E	3.74	1.24	3.61	9B	8.89D	40.11
1.4 - 1.6	8.3B 8.8H	230B	1.1E	4.26	1.46	5.36	12B	12.18D	44.67

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	GV I	Particle S CS	Size FS	Analysis Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1 12.5	<2C	1D		160B	0.081E	E					17.6
0.1 - 0.3 20	<2C	0.73D									15.6
0.3 - 0.4 21.3	10C	0.42D									17.4
0.4 - 0.8 22.9	29C	0.18D									17
0.8 - 1.1 18.3	49C	0.1D									30.1
1.1 - 1.4 21.4	42C	0.1D									29.6
1.4 - 1.6 31.9		0.15D									10.8

Laboratory Analyses Completed for this profile

15_NR_BSa 15_NR_CMR 15C1_CA pretreatment for	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available Exchangeable bases (Ca/Mg ratio) - Not recorded Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5,
15C1_CEC	soluble salts
15C1_K	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15C1_MG soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15C1_NA soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15J_BASES	Sum of Bases
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
18A1_NR	Bicarbonate-extractable potassium (not recorded)
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation

Project Name: Project Code: Agency Name:	MRA Site ID: 0504 Observation	1
9A3 9B_NR 9H1 P10_1m2m P10_20_75 P10_75_106 P10_NR_C P10_NR_C P10_NR_Z P10106_150 P10150_180 P10180_300 P10300_600 P106001000	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour Bicarbonate-extractable phosphorus (not recorded) Anion storage capacity 1000 to 2000u particle size analysis, (method not recorded) 20 to 75u particle size analysis, (method not recorded) 75 to 106u particle size analysis, (method not recorded) Clay (%) - Not recorded Sand (%) - Not recorded arithmetic difference, auto generated Silt (%) - Not recorded 106 to 150u particle size analysis, (method not recorded) 150 to 180u particle size analysis, (method not recorded) 180 to 300u particle size analysis, (method not recorded) 300 to 600u particle size analysis, (method not recorded) 600 to 1000u particle size analysis, (method not recorded)	