Project Name: Moora Wongan Hills land resources survey

Project Code: MRA Site ID: 0008 Observation ID: 1

Agency Name: Agriculture Western Australia

Site Information

Desc. By: Mir Frahmand Locality:

Date Desc.:03/03/95Elevation:No DataMap Ref.:Rainfall:No Data

Northing/Long.: 6588900 AMG zone: 50 Runoff: No Data Easting/Lat.: 434600 Datum: AGD84 Drainage: No Data

**Geology** 

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

**Landform** 

Rel/Slope Class: No Data Pattern Type: No Data Mid-slope Relief: No Data Morph. Type: Elem. Type: No Data **Slope Category:** No Data Slope: 2 % Aspect: 135 degrees

Surface Soil Condition Soft

**Erosion** 

**Soil Classification** 

Australian Soil Classification:Mapping Unit:N/AEutrophic Hypernatric Yellow SodosolPrincipal Profile Form:N/AASC Confidence:Great Soil Group:N/A

Confidence level not specified

Site Disturbance

**Vegetation** 

**Surface Coarse Fragments** 

**Profile Morphology** 

A1 0 - 0.1 m Dark greyish brown (10YR4/2-Moist); ; Clayey sand; Single grain grade of structure, <2 mm, ; Dry;

Water repellent; Field pH 5.8 (pH meter); Clear change to -

B1 0.1 - 0.3 m Reddish yellow (7.5YR6/6-Moist); ; Light medium clay; Massive grade of structure; Dry;

Field pH 4.8 (pH meter); Diffuse change to -

B2t 0.3 - 0.7 m Reddish yellow (7.5YR7/6-Moist); , 2.5YR56; Medium clay; , Polyhedral; Rough-ped

fabric; Dry; Field pH 5.2 (pH meter); Diffuse change to -

B2t 0.7 - 1.1 m Pale yellow (2.5Y8/3-Moist); , 7.5YR58; Sandy clay loam; , Polyhedral; Rough-ped fabric;

Dry; Soil matrix is Slightly calcareous; Field pH 8.8 (pH meter); Clear change to -

Poly Add A Sign Poly and the Control of SVO(0 Melos) of SVO(0 Octobridge loans and Color of C

B2t 1.1 - 1.5 m Pale yellow (2.5Y8/3-Moist); , 7.5YR68; Sandy clay loam; , Polyhedral; Rough-ped fabric; Dry; Soil matrix

is Slightly calcareous; Field pH 8.8 (pH meter);

Morphological Notes

A1 COARSE - MEDIUM B1 MEDIUM - COURSE

B2t

**Observation Notes** 

**Site Notes** 

ROLL PIA, 4 & 44. BARRY JOHNSON FARM

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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	6B 6.9H	12B	1.89A	0.6	0.18	0.23			2.9D	
0.1 - 0.3	4.5B 5.4H	24B	1.38H	2.06	0.19	1.04	0.15J		4.67D	
0.3 - 0.7	6.7B 7.7H	47B	1.08A	3.88	0.47	3.53			8.96D	
0.7 - 1.3	8B 8.8H	99B	0.76E	2.71	0.36	3.73		10B	7.56D	37.30

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	GV	Particle Size CS FS	Analysis Silt
m	%	%	mg/kg	%	%	%	Mg/m3		%	
0 - 0.1 3.9		1.1D		100B	0.072E					4
0.1 - 0.3 42.9		0.51D		45B	0.028E					6.2
0.3 - 0.7 54.1		0.13D		31B	0.011E					13.2
0.7 - 1.3 27.9		0.07D		25B	0.005E					30.5

## **Laboratory Analyses Completed for this profile**

Euboratory Arian	your dempleted for this prome
15_NR_BSa 15_NR_CMR 15A1_CA for soluble	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+) - 1M ammonium chloride at pH 7.0, no pretreatment
ioi soluble	salts
15A1_CEC 15A1_K for soluble	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_MG for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_NA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15C1_CA pretreatment for	salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5,
pretieatinention	soluble salts
15C1_CEC 15C1_K soluble salts	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for 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
15E1_AL 15E1_CA	Exchangeable AI - by compulsive exchange, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble
salts 15E1_K 15E1_MG 15E1_MN 15E1_NA 15J_BASES	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases (Mn2+) by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Sum of Bases
15L1_a Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using and measured clay
15N1_a 15N1_b 3_NR 4_NR	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations Electrical conductivity or soluble salts - Not recorded pH of soil - Not recorded
4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method not recorded

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pH of 1:5 soil/0.01M calcium chloride extract - direct Organic carbon (%) - Uncorrected Walkley and Black method Total nitrogen - semimicro Kjeldahl, steam distillation 6A1\_UC 7A1

Total Phosphorus (ppm) - semimicro kjeldahl, automated colour 9A3

9H1 Anion storage capacity

P10\_1m2m 1000 to 2000u particle size analysis, (method not recorded) P10\_20\_75 P10\_75\_106 P10\_NR\_C 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 P10\_NR\_Saa

P10\_NR\_Z Silt (%) - Not recorded

P10106\_150 P10150\_180 106 to 150u particle size analysis, (method not recorded) 150 to 180u particle size analysis, (method not recorded) P10180\_300 180 to 300u particle size analysis, (method not recorded) P10300\_600 300 to 600u particle size analysis, (method not recorded) P106001000 600 to 1000u particle size analysis, (method not recorded)