

Project Name: Moora Wongan Hills land resources survey
Project Code: MRA **Site ID:** 0186 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Mir Frahmmand
Date Desc.: 12/08/96
Map Ref.:
Northing/Long.: 6708794 AMG zone: 50
Easting/Lat.: 447601 Datum: AGD84
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: No Data
Drainage: No Data

Geology

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

Landform

Rel/Slope Class: No Data
Morph. Type: No Data
Elem. Type: No Data
Slope: 2 %
Pattern Type: No Data
Relief: No Data
Slope Category: No Data
Aspect: 225 degrees

Surface Soil Condition

Erosion (wind);

Soil Classification

Australian Soil Classification: Basic Regolithic Brown-Orthic Tenosol
ASC Confidence: Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: N/A
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments

Profile Morphology

A1	0 - 0.15 m	Dark yellowish brown (10YR4/4-Moist); ; Loamy fine sand; Massive grade of structure; Field pH 5.8 (pH meter); Clear change to -
A2	0.15 - 0.4 m	Yellowish brown (10YR5/6-Moist); ; Clayey sand; Massive grade of structure; Field pH 5.9 (pH meter); Diffuse change to -
B1	0.4 - 0.6 m	Yellowish brown (10YR5/6-Moist); ; Clayey sand; Massive grade of structure; Field pH 5.8 (pH meter); Diffuse change to -
B2	0.6 - 0.8 m	Dark yellowish brown (10YR4/6-Moist); ; Coarse sandy loam; Massive grade of structure; 2-10%, rounded, coarse fragments; Field pH 6.7 (pH meter); Sharp change to -
B22c	0.8 - 1.1 m	Yellowish brown (10YR5/6-Moist); ; Massive grade of structure; 50-90%, rounded, coarse fragments;

Morphological Notes

Observation Notes

Site Notes

roll; 2-3. Yellow sandy earth. Fine roots all profile above and at the gravel Horizon 60-100cm ?. Deep sandy laomy duplex

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.15	4.5B 5.6H	2B	0.84H	0.22	0.06	0.02	0.22J		1.14D	

0.15 - 0.4	4.6B 5.6H	2B	1.4H	0.36	<0.02	0.07	0.1J	1.84D
0.4 - 0.6	4.8B 5.6H	3B	1.55H	0.46	0.02	0.07	0.06J	2.1D
0.6 - 0.8	5B 5.7H	4B	1.73H	0.61	<0.02	0.08	0.04J	2.43D

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m ³	GV CS FS Silt
0 - 0.15		0.79D		140B	0.04E			2.8
9.8								
0.15 - 0.4		0.53D						4.1
16.4								
0.4 - 0.6		0.34D						3.4
18								
0.6 - 0.8		0.42D						4.6
18.5								

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMRR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MN	Exchangeable bases (Mn++) - meq per 100g of soil - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) by compulsive exchange, no pretreatment for soluble salts
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15J_BASES	Sum of Bases
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
18A1_NR	Bicarbonate-extractable potassium (not recorded)
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
4B_AL_NR	Aluminium in 1:5 soil/0.01M calcium chloride extract - method 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
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
9B_NR	Bicarbonate-extractable phosphorus (not recorded)
9H1	Anion storage capacity
P10_1m2m	1000 to 2000u particle size analysis, (method not recorded)
P10_20_75	20 to 75u particle size analysis, (method not recorded)
P10_75_106	75 to 106u particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded
P10_NR_Saa	Sand (%) - Not recorded arithmetic difference, auto generated
P10_NR_Z	Silt (%) - Not recorded
P10106_150	106 to 150u particle size analysis, (method not recorded)
P10150_180	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)