

Project Name: Moora Wongan Hills land resources survey
Project Code: MRA **Site ID:** 0525 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Mir Frahmmand
Date Desc.: 07/03/97
Map Ref.:
Northing/Long.: 6681183 AMG zone: 50
Easting/Lat.: 510543 Datum: AGD84
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: No Data
Drainage: Moderately well drained

Geology

ExposureType: Existing vertical exposure
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Landform

Rel/Slope Class: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Mid-slope
Elem. Type: No Data
Slope: 1 %
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition Soft

Erosion

Soil Classification

Australian Soil Classification: Ferric-Sodic Dystrophic Brown Kandosol
Mapping Unit: N/A
Principal Profile Form: N/A
ASC Confidence: Confidence level not specified
Great Soil Group: N/A

Site Disturbance

Vegetation

Surface Coarse Fragments 2-10%, , subrounded, Ironstone

Profile Morphology

A1 0 - 0.1 m Dark yellowish brown (10YR4/4-Moist); ; Loamy fine sand; Massive grade of structure; Moist; 2-10%, angular, Quartz, coarse fragments; Field pH 6.5 (pH meter); Clear, Smooth change to -
A2c 0.1 - 0.25 m Dark yellowish brown (10YR4/6-Moist); ; Sandy loam; Massive grade of structure; Dry; 20-50%, angular, Quartz, coarse fragments; 20-50%, subrounded, Ironstone, coarse fragments; Field pH 4.2 (pH meter); Abrupt, Irregular change to -
B1c 0.25 - 0.5 m Dark yellowish brown (10YR4/6-Moist); ; Massive grade of structure; Dry; 50-90%, subangular, Ironstone, coarse fragments; Field pH 4.1 (pH meter); Diffuse, Irregular change to -
B2c 0.5 - 0.9 m ; Dry; 50-90%, rounded, Ironstone, coarse fragments; Field pH 3.8 (pH meter);

Morphological Notes

A1 f-m
A2c f-m

Observation Notes

Site Notes

Gravel pit. Roll 22,23,24 0-2 new shed file.

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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 - 0.1	4.8B 5.9H	2B	1.26H	0.16	0.02	0.18	0.1J		1.62D	
0.1 - 0.25	4B 4.8H	4B	0.44H	0.03	0.04	0.15	0.67J		0.66D	

0.25 - 0.5	4.1B 4.8H	7B	0.78H	0.1	0.2	0.13	0.63J	1.21D
0.5 - 0.9	4B 4.7H	9B	0.37H	0.26	0.37	0.1	0.71J	1.1D

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 - 0.1 9.9		0.74D		77B	0.05E			4.9
0.1 - 0.25 16.4		0.6D						4.5
0.25 - 0.5 20.3		0.54D						4.7
0.5 - 0.9 21.5		0.26D						5.1

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_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)