

Project Name: Jerramungup soils inventory (=JER LRS)
Project Code: JSI **Site ID:** 0134 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Tim Overheu	Locality:	
Date Desc.:	28/04/93	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6283130 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	758220 Datum: AGD84	Drainage:	Imperfectly drained

Geology

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

Land Form

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

Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	%	Aspect:	No Data

Surface Soil Condition Loose

Erosion: (wind); (scald) (sheet) (rill) (mass) (gully)
(stbank) (tunnel)

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Eutrophic Mottled-Hypernatric Grey Sodosol	Principal Profile Form:	Dy5.42
ASC Confidence:	Great Soil Group:	N/A

Analytical data are incomplete but reasonable confidence.

Site Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

Ap	0 - 0.1 m	Dark grey (10YR4/1-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; Water repellent; Field pH 7.1 (pH meter);
A21	0.1 - 0.48 m	Pale brown (10YR6/3-Moist); , 0-0% ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; Field pH 7.1 (pH meter);
B21	0.48 - 1 m	Light grey (10YR7/1-Moist); Mottles, 10YR56, 10-20% , 15-30mm, Distinct; Mottles, 5YR46, 2-10% , 5-15mm, Prominent; Sandy light clay; Strong grade of structure, 20-50 mm, Columnar; Strong grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; Field pH 5.8 (pH meter);
B22	1 - 1.6 m	Light grey (10YR7/2-Moist); Mottles, 5YR44, 10-20% , 15-30mm, Distinct; Light medium clay; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; Firm consistence; Field pH 6 (pH meter); Common

Morphological Notes

Observation Notes

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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	10B	2.55H	0.68	0.23	0.3	0.06J		3.76D	
0.1 - 0.48	4.8B 6H	3B	0.13H	0.12	<0.02	0.04	0.03J		0.3D	
0.48 - 1	4.7B 5.5H	31B	0.19H	2.52	0.16	1.16	0.09J		4.03D	
1 - 1.6	4.3B 4.8H	90B	0.04H	2.86	0.18	2.56	0.07J		5.64D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.1		1.35D		86B	0.105E			3.3
0.1 - 0.48		0.1D		19B	0.01E			2.5
0.48 - 1		0.32D		30B	0.02E			2.3
1 - 1.6		0.09D		15B	0.005E			6.4

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMJR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca2+,Mg2+,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_MN	Exchangeable bases (Mn2+) 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
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
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)

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