

Project Name: Jerramungup soils inventory (=JER LRS)
Project Code: JSI **Site ID:** 0131 **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.:	6283990 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	747780 Datum: AGD84	Drainage:	Poorly 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 plains <9m 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 Hardsetting, Hardsetting

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

Soil Classification

Australian Soil Classification:	Acidic-Sodic Magnesic Yellow Dermosol	Mapping Unit:	N/A
ASC Confidence:	Analytical data are incomplete but reasonable confidence.	Principal Profile Form:	Dy1.12
		Great Soil Group:	N/A

Site Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1	0 - 0.02 m	Dark grey (10YR4/1-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; Water repellent; Field pH 6.6 (pH meter);
B21	0.02 - 0.1 m	Pale brown (10YR6/3-Moist); , 0-0% ; Sandy light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Weak consistence; Field pH 5.6 (pH meter);
B21b	0.1 - 0.6 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; Field pH 5.8 (pH meter);
B22b	0.6 - 0.9 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Light clay; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Moderately moist; Firm consistence; Field pH 5.8 (pH meter);
A21b	0.9 - 1 m	Light reddish brown (5YR6/4-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Very weak consistence; Field pH 6.1 (pH meter);
B21b	1 - 1.4 m	Brownish yellow (10YR6/6-Moist); , 0-0% ; Light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Weak consistence; Field pH 5.6 (pH meter);
Cb	1.4 - m	Light yellowish brown (10YR6/4-Moist); Mottles, 10YR72, 2-10% , 0-5mm, Prominent; Sandy light clay; Weak grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Weak consistence; Field pH 5.6 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Moort on dave eberts. Bare paddock, just been coon raked.

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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 - 0.02	6.1B 6.6H	120B	4.48A	4.95	0.18	2.03		9J	11.64D	22.56
0.02 - 0.1	4.3B 5.3H	43B	0.94H	2.12	0.09	1.57	0.31J		4.72D	
0.1 - 0.6	4.2B 5.1H	42B	0.28H	1.78	0.08	1.72	0.33J		3.86D	
0.6 - 0.9	4.2B 5H	75B	0.05H	2.18	0.18	2.94	0.4J		5.35D	
0.9 - 1	4.3B 5.3H	34B	0.03H	0.84	0.13	1.26	0.22J		2.26D	
1 - 1.4	4.2B 4.7H	130B	0.02H	1.88	0.32	2.02	0.29J		4.24D	
1.4 - 1.4	4.1B 4.8H	78B	0.02H	1.25	0.28	2.14	0.18J		3.69D	

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 - 0.02		2.5D		110B	0.092E			10.1
17.8								
0.02 - 0.1		0.75D		24B	0.023E			15.4
44.9								
0.1 - 0.6		0.29D		14B	0.011E			16.9
34.5								
0.6 - 0.9		0.15D		17B	0.007E			18.7
38.2								
0.9 - 1		0.09D		13B	0.004E			2.5
10.6								
1 - 1.4		0.14D		22B	0.005E			17
35.3								
1.4 - 1.4		0.04D		19B	0.004E			4.4
30.6								

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_K for soluble	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 salts
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA salts	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

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
3_NR	Electrical conductivity or soluble salts - Not recorded

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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)