

Project Name: Jerramungup soils inventory (=JER LRS)
Project Code: JSI **Site ID:** 0148 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Tim Overheu	Locality:	
Date Desc.:	12/03/93	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6305300 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	778800 Datum: AGD84	Drainage:	Imperfectly drained

Geology

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

Land Form

Rel/Slope Class:	Undulating plains <9m 3-10%	Pattern Type:	Sand plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	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:	Mesotrophic Mottled-Mesonatric Grey Sodosol	Mapping Unit:	N/A
ASC Confidence:	Analytical data are incomplete but reasonable confidence.	Principal Profile Form:	Dy5.22
		Great Soil Group:	N/A

Site Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

Ap	0 - 0.15 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Loamy fine sand; Single grain grade of structure; Sandy
		(grains prominent) fabric; Dry; Loose consistence; Very few (0 - 2 %), Ferruginous, Concretions; Water repellent; Field pH 8 (pH meter);
		Coarse (6 - 20 mm),
A21	0.15 - 0.5 m	Brown (10YR4/3-Moist); , 0-0% ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric;
		Dry; Loose consistence; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Concretions; Field
		pH 8.2 (pH meter);
B21	0.5 - 0.95 m	Light brownish grey (10YR6/2-Moist); Mottles, 10YR68, 10-20% , 15-30mm, Prominent;
		Light clay;
		Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Weak
		consistence; Field pH 7.8 (pH meter);
B22	0.95 - 1.4 m	Light brownish grey (10YR6/2-Moist); Mottles, 10YR68, 10-20% , 15-30mm, Prominent;
		Light clay;
		Strong grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Loose
		consistence; Field pH 8 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Sandy gravelly loam.

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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	5B 5.9H	8B	1.88H	0.43	0.34	0.05	0.04J		2.7D	
0.15 - 0.5	5.7B 6.6H	2B	1.14A	0.52	0.07	0.03		2J	1.76D	1.50
0.5 - 0.95	5.4B 6.4H	9B	1.53H	5.91	0.19	1.27	<0.02J		8.9D	
0.95 - 1.4	6.3B 7.8H	10B	1.01A	6.36	0.47	3.57		11J	11.41D	32.45

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 - 0.15		0.82D		71B	0.054E			
0.15 - 0.5		0.31D		21B	0.018E			
0.5 - 0.95		0.08D		22B	0.006E			
0.95 - 1.4		0.08D		20B	0.004E			

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_CM	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
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
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
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)

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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)