

Project Name: Jerramungup soils inventory (=JER LRS)
Project Code: JSI **Site ID:** 0147 **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.:	6306000 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	778800 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:	Plain	Slope Category:	No Data
Slope:	%	Aspect:	No Data

Surface Soil Condition Soft

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

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Dy5.42
		Great Soil Group:	N/A

Site Limited clearing, for example selective logging

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

Ap	0 - 0.1 m	Brown (10YR4/3-Moist); , 0-0% ; Loamy fine sand; Single grain grade of structure; Sandy (grains)
		prominent) fabric; Dry; Loose consistence; Water repellent; Field pH 7.7 (pH meter);
A21	0.1 - 0.15 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Loamy sand; Single grain grade of structure;
Sandy (grains		prominent) fabric; Dry; Loose consistence; Very few (0 - 2 %), Ferruginous, Fine (0 - 2 mm),
		Concretions; Field pH 7.6 (pH meter);
B21	0.15 - 0.95 m	Strong brown (7.5YR5/8-Moist); , 0-0% ; Sandy clay loam; Massive grade of structure;
Sandy (grains		prominent) fabric; Moderately moist; Firm consistence; Field pH 7.6 (pH meter);
B22	0.95 - 1.6 m	Strong brown (7.5YR4/8-Moist); Mottles, 5YR44, 2-10% , 15-30mm, Prominent; Light
clay; Moderate		grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist;
Firm consistence;		Field pH 7.8 (pH meter);
C	1.6 - 1.8 m	Light brownish grey (10YR6/2-Moist); , 0-0% ; Light clay; Massive grade of structure;
Sandy (grains		prominent) fabric; Moist; Weak consistence; Field pH 7.9 (pH meter);

Morphological Notes

Observation Notes

Site 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	4.6B 5.5H	8B	1.69H	0.49	0.36	0.03	0.12J		2.57D	
0.1 - 0.15	4.8B 5.9H	2B	1.74H	0.58	0.27	0.03	0.08J		2.62D	
0.15 - 0.95	5.7B 6.6H	8B	2.33A	2.57	0.26	0.46		6J	5.62D	7.67
0.95 - 1.6	5.7B 6.1H	12B	1.09H	2.66	0.16	0.71	0.03J		4.62D	
1.6 - 1.8	5.8B 6.5H	15B	0.84A	3.35	0.3	1.4		6J	5.89D	23.33

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		0.9D		96B	0.055E			3.7
0.1 - 0.15		0.62D		38B	0.034E			4
0.15 - 0.95		0.6D		32B	0.041E			4.5
0.95 - 1.6		0.1D		19B	0.005E			7
1.6 - 1.8		0.1D		19B	0.004E			4.2

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_CMV	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

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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)