

Project Name: Jerramungup soils inventory (=JER LRS)
Project Code: JSI **Site ID:** 0145 **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.:	6307600 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	778600 Datum: AGD84	Drainage:	Poorly 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	%	Aspect:	No Data

Surface Soil Condition Firm, Hardsetting

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

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Dy3.12
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

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 yellowish brown (10YR4/4-Moist); , 0-0% ; Loamy fine sand; Single grain grade of structure; Sandy (2 -6 mm),
		(grains prominent) fabric; Dry; Loose consistence; Few (2 - 10 %), Ferruginous, Medium Concretions; Water repellent; Field pH 7.1 (pH meter);
B21	0.1 - 0.3 m	Yellowish brown (10YR5/6-Moist); , 0-0% ; Light clay; Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Weak consistence; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Concretions; Field pH 7.3 (pH meter);
B22	0.3 - 0.7 m	Yellowish red (5YR5/6-Moist); Mottles, 7.5YR44, 10-20% , 5-15mm, Prominent; Light clay; Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; Field pH 7.3 (pH meter);
B23	0.7 - 1.3 m	Yellowish brown (10YR5/4-Moist); Mottles, 7.5YR46, 20-50% , 5-15mm, Prominent; Light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; Field pH 7.4 (pH meter);
C	1.3 - 1.8 m	Pale brown (10YR6/3-Moist); Mottles, 7.5YR44, 20-50% , 5-15mm, Prominent; Sandy light clay; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; Field pH 7.5 (pH meter); Abundant

Morphological Notes

Observation Notes

Site Notes

Les bridgers - sunday country.

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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	5B 5.9H	9B	3.01H	1.13	0.29	0.19	0.03J		4.62D	
0.1 - 0.3	5B 6H	7B	2.39H	3.04	0.04	0.38	<0.02J		5.85D	
0.3 - 0.7	5.3B 6.2H	9B	1.44H	6.56	<0.02	1.15	0.02J		9.16D	
0.7 - 1.3	5.3B 6.3H	8B	0.7H	4.87	<0.02	1.24	0.02J		6.82D	
1.3 - 1.8	3.9B 5.6H	5B	0.03H	1.87	0.06	1.45	0.19J		3.41D	

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		1.17D		90B	0.068E			4.8
13.4								
0.1 - 0.3		0.4D		35B	0.032E			4.1
35.1								
0.3 - 0.7		0.15D		35B	0.016E			4.3
59.6								
0.7 - 1.3		0.15D		28B	0.01E			5.3
43.2								
1.3 - 1.8		0.06D		13B	0.001E			3.2
16.9								

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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