

Project Name: Jerramungup soils inventory (=JER LRS)
Project Code: JSI **Site ID:** 0133 **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.:	745320 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:	Rises
-------------------------	-----------------------------------	----------------------	-------

Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	%	Aspect:	No Data

Surface Soil Condition Surface crust, Hardsetting

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:	Dy5.13
		Great Soil Group:	N/A

Site Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

Ap	0 - 0.12 m	Grey (10YR5/1-Moist); , 0-0% ; Loamy fine sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; Water repellent; Field pH 6.9 (pH meter);
CommonAbrupt		change to -
B21	0.12 - 0.4 m	Brownish yellow (10YR6/6-Moist); Mottles, 10YR72, 2-10% , 15-30mm, Prominent; Light medium clay;
		Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Weak consistence; Field pH 10 (pH meter); FewAbrupt change to -
B22	0.4 - 1 m	Brownish yellow (10YR6/6-Moist); , 0-0% ; Light clay; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; Very weak consistence; Field pH 10.3 (pH meter);
B23	1 - m	Very pale brown (10YR7/3-Moist); Mottles, 10YR66, 10-20% , 5-15mm, Prominent; Sandy light clay;
		Moderate grade of structure, 2-5 mm, Angular blocky; Rough-ped fabric; Moderately moist; Weak consistence; Field pH 8.9 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Ants and cultivation bring clay to surface.

Project Name: Jerramungup soils inventory (=JER LRS)
Project Code: JSI **Site ID:** 0133 **Observation** 1
Agency Name: Agriculture Western Australia

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 - 0.12	6.4B 7.2H	50B	3.3A	3.14	0.2	0.96		5J	7.6D	19.20
0.12 - 0.4	8.3B 9.4H	27B	2.22E	5.93	0.55	3.2		12J	11.9D	26.67
0.4 - 1	8.4B 9.8H	55B	0.75E	3.01	0.45	4.57		9J	8.78D	50.78
1 - 1	7.5B 8.5H	70B	0.1E	2.91	0.53	4.95		8J	8.49D	61.88

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m ³	GV CS FS Silt
0 - 0.12		1.03D		73B	0.043E			3.7
16.6								
0.12 - 0.4	2C	0.2D		23B	0.016E			5.8
49.1								
0.4 - 1	2C	0.04D		16B	0.004E			9.9
37								
1 - 1	<2C	0.04D		17B	0.004E			5.9
29.1								

Laboratory Analyses Completed for this profile

12C1	Calcium chloride extractable boron - manual colour
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 (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_K	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_MG	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_NA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15C1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - alcoholic 1M ammonium chloride at pH 8.5,
pretreatment for	soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, 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
19B_NR	Calcium Carbonate (CaCO ₃) - Not recorded

3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - 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)

Project Name: Jerramungup soils inventory (=JER LRS)
Project Code: JSI **Site ID:** 0133 **Observation** 1
Agency Name: Agriculture Western Australia

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)