

Project Name: Jerramungup soils inventory (=JER LRS)
Project Code: JSI **Site ID:** 0132 **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.:	6282900 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	747110 Datum: AGD84	Drainage:	Very 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:	Flat	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:	Dy4.11
		Great Soil Group:	N/A

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

Vegetation:

Surface Coarse 0-2%, medium gravelly, 6-20mm, subangular, Gravel; No surface coarse fragments

Profile

Ap	0 - 0.15 m	Dark grey (10YR4/1-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; Water repellent; Field pH 6.2 (pH meter);
Abrupt change to -		
B21	0.15 - 0.6 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Medium clay; Weak grade of structure, 10-20 mm, Columnar; Weak grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Weak consistence; Field pH 6.5 (pH meter);
B22	0.6 - 1 m	Light grey (10YR7/2-Moist); , 0-0% ; Light medium clay; Moderate grade of structure, 2-5 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; Field pH 5.9 (pH meter);
Clear change to -		
D	1 - m	Grey (10YR6/1-Moist); Mottles, 10YR82, 10-20% , 15-30mm, Prominent; Light clay; Weak grade of structure, <2 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Field pH 5.6 (pH meter); Common

Morphological Notes

Observation Notes

Site Notes

Pit dug just above drainage depression. Slightly columnar perched water table. Granite d horizon.

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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	5.1B 6H	18B	2.18H	1.25	0.09	0.7	0.03J		4.22D	
0.15 - 0.6	4.6B 5.6H	33B	0.8H	4.64	0.18	2.19	0.16J		7.81D	
0.6 - 1	4.2B 4.9H	59B	0.27H	3.49	0.19	3.13	0.18J		7.08D	
1 - 1	4.1B 4.8H	76B	0.19H	3.05	0.21	3.56	0.18J		7.01D	

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		1.01D		60B	0.044E			3.5
0.15 - 0.6		0.5D		19B	0.022E			3.2
0.6 - 1		0.08D		15B	0.005E			2.6
1 - 1		0.12D		17B	0.006E			5.6
59.4								

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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