

Project Name: Jerramungup soils inventory (=JER LRS)
Project Code: JSI **Site ID:** 1163 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Tim Overheu	Locality:	
Date Desc.:	17/11/94	Elevation:	No Data
Map Ref.:		Rainfall:	420
Northing/Long.:	6233444 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	675337 Datum: AGD84	Drainage:	Well 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 rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	5 %	Aspect:	90 degrees

Surface Soil Condition Loose

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

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Basic Ferric Bleached-Orthic Tenosol		Principal Profile Form:	Uc2.21
ASC Confidence:		Great Soil Group:	N/A
All necessary analytical data are available.			

Site Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

Ap	0 - 0.1 m	Grey (10YR5/1-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Sandy (grains prominent)
		fabric; Dry; Loose consistence; Field pH 7.6 (pH meter); Abrupt change to -
A21e	0.1 - 0.6 m	Light grey (10YR7/2-Moist); Mottles, 10YR74, 2-10% , 5-15mm, Faint; Coarse sand; Single grain grade
		of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; Field pH 7.6 (pH meter); Abrupt
		change to -
A22	0.6 - 1 m	Yellow (2.5Y7/6-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Sandy (grains prominent)
		fabric; Moderately moist; Loose consistence; Field pH 7.7 (pH meter); Clear change to -
A3	1 - 1.58 m	Pale yellow (2.5Y7/4-Moist); , 0-0% ; Coarse sand; Single grain grade of structure; Sandy (grains prominent)
		fabric; Moderately moist; Loose consistence; 2-10%, coarse gravelly, 20-60mm, subrounded,
		Gravel, coarse fragments; Field pH 7.7 (pH meter); Abrupt change to -

Morphological Notes

Ap	GRITTY, GREY LOAMY SAND.
A21e	BLEACHED SAND
A22	GRITTY YELLOW SAND
A3	YELLOW SAND WITH GRAVEL

Observation Notes

Site Notes

Bruce trevaskis property.downhill from a granite outcrop. Yellow, alkaline moort soil

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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	5.3B 6H	2B	1.5H	0.17	0.03	0.04	0.02J		1.74D	
0.1 - 0.6	5.1B 5.8H	1B	0.11H	0.03	<0.02	0.03	0.03J		0.18D	
0.6 - 1	5.8B 6.3H	1B	0.13H	0.04	0.02	0.04	0.04J		0.23D	
1 - 1.58	6B 6.4H	1B	0.23H	0.05	0.03	0.03	0.05J		0.34D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0 - 0.1		0.52D		78B	0.04E	0.13A		4.9
1.1								
0.1 - 0.6		0.05D		16B	0.006E	0.12A		2.5
0.7								
0.6 - 1		0.03D		16B	0.006E	0.13A		1.5
0.9								
1 - 1.58		0.03D		13B	0.006E	0.14A		0.8
1.4								

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
17A1	Total Potassium - X-ray fluorescence
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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