

Project Name: Jerramungup soils inventory (=JER LRS)
Project Code: JSI **Site ID:** 1129 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	Tim Overheu	Locality:	
Date Desc.:	17/10/94	Elevation:	50 metres
Map Ref.:		Rainfall:	650
Northing/Long.:	6168555 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	655359 Datum: AGD84	Drainage:	Well 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 rises 9-30m 1-3% **Pattern Type:** Dunefield

Morph. Type:	Upper-slope	Relief:	15 metres
Elem. Type:	Duneslope	Slope Category:	No Data
Slope:	%	Aspect:	No Data

Surface Soil Condition Loose

Erosion: (wind); (scald) (stbank)

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	Uc2.21
ASC Confidence:		Great Soil Group:	Siliceous sand
Confidence level not specified			

Site No effective disturbance. Natural

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

Ap	0 - 0.25 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy fine sand; Single grain grade of structure;
		Sandy (grains prominent) fabric; Dry; Loose consistence; Clear change to -
A21e	0.25 - 0.85 m	Light grey (10YR7/2-Moist); , 0-0% ; Fine sand; Moderately moist; Loose consistence; Clear change to -
B21	0.85 - 1.3 m	Yellow (10YR7/6-Moist); , 0-0% ; Fine sand; Moderately moist; Loose consistence; Clear change to -
B22	1.3 - 1.6 m	Brownish yellow (10YR6/6-Moist); , 10YR66, 10-20% , 0-5mm, Distinct; Clayey fine sand; Moderately moist; Loose consistence; Few (2 - 10 %), Ferruginous-organic, Fine (0 - 2 mm), Soft segregations;
		Clear change to -
C	1.6 - 2 m	Pale yellow (2.5Y7/4-Moist); ; Fine sand; Moderately moist; Loose consistence; Abrupt change to -
2Rb	2 - m	Rock

Morphological Notes

Observation Notes

Site Notes

Slight drainage depression. Same soil again except with a little more ironstone at base of profile at 656032/6169146 corinup series. Very similar to site 1117. Top of b21 has a slight accumulation of ironstone.

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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 - 0.25	3.9B 5.2H	3B	1.4H	0.67	0.13	0.19	0.15J		2.39D	
0.25 - 0.85	5.1B 6H	2B	0.03H	0.04	<0.02	0.04	<0.02J		0.12D	
0.85 - 1.3	4.3B 4.7H	2B	0.03H	0.06	0.02	0.33	0.19J		0.44D	
1.3 - 1.6	4.3B 4.8H	2B	0.03H	0.07	0.02	0.05	0.38J		0.17D	
1.6 - 2	5.3B 6H	3B	0.09H	0.13	0.02	0.1	0.02J		0.34D	

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 - 0.25		1.45D		13B	0.046E			1.1
0.25 - 0.85		0.06D		<10B	<0.005E			0.5
0.85 - 1.3		0.1D		10B	0.005E			0.5
1.3 - 1.6		0.12D		10B	0.007E			0.4
1.6 - 2		0.02D		10B	<0.005E			0.4

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMR	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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