

Project Name: Jerramungup soils inventory (=JER LRS)
Project Code: JSI **Site ID:** 0126 **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.:	6289290 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	746659 Datum: AGD84	Drainage:	Moderately 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:	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 Loose

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

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Basic Ferric Brown-Orthic Tenosol		Principal Profile Form:	Dy5.62
ASC Confidence:		Great Soil Group:	N/A
All necessary analytical data are available.			

Site Limited clearing, for example selective logging

Vegetation:

Surface Coarse 10-20%, medium gravelly, 6-20mm, subrounded, Gravel; No surface coarse fragments

Profile

A1	0 - 0.14 m	Brown (7.5YR5/2-Moist); , 0-0% ; Loamy fine sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Concretions; Water repellent; Field pH 7.4 (pH meter);
A21	0.14 - 0.4 m	Yellowish brown (10YR5/4-Moist); , 0-0% ; Fine sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Concretions; Field pH 7.6 (pH meter);
B21	0.4 - 1.2 m	Yellowish brown (10YR5/6-Moist); Mottles, 7.5YR44, 10-20% , 5-15mm, Prominent; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Firm consistence; Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Concretions; Field pH 7.2 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Sand/gravel.large aglommerates of gravel on surface.west river soil pit # 1,andy duncans.

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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	5.1B 6H	4B	1.94H	0.36	0.11	0.02	0.02J		2.43D	
0.1 - 0.4	4.9B 6H	1B	0.61H	0.36	0.05	0.05	0.09J		1.07D	
0.4 - 1.2	5.2B 6.3H	3B	0.67H	0.84	0.09	0.42	0.04J		2.02D	

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		0.93D		58B	0.053E			2.3
2.7								
0.1 - 0.4		0.34D		12B	0.019E			2.2
4								
0.4 - 1.2		0.24D		16B	0.015E			2.9
7.2								

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)