Project Name: **Jerramungup soils inventory (=JER LRS)**
Project Code: **JSI** **Site ID:** **0136** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By: Tim Overheu
Date Desc.: 28/04/93
Map Ref.:
Northing/Long.: 6268430 AMG zone: 50
Easting/Lat.: 759200 Datum: AGD84
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: No Data
Drainage: Imperfectly drained

Geology

ExposureType: Existing vertical exposure
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: Gently undulating rises 9-30m 1-3%
Pattern Type: Sand plain

Morph. Type: No Data
Elem. Type: Hillslope
Slope: %
Relief: No Data
Slope Category: No Data
Aspect: No Data

Surface Soil Condition

Loose

Erosion:

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

Soil Classification

Australian Soil Classification:
Bleached-Mottled Mesotrophic Grey Chromosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Dy5.42
Great Soil Group: N/A

Site

Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse

No surface coarse fragments; No surface coarse fragments

Profile

Ap 0 - 0.2 m Dark grey (10YR4/1-Moist); , 0-0% ; Loamy fine sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; Water repellent; Field pH 5.7 (pH meter);

A21 0.2 - 0.5 m Very pale brown (10YR7/3-Moist); , 0-0% ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; Field pH 6 (pH meter);

B21 0.5 - 0.8 m Light grey (10YR7/2-Moist); Mottles, 5YR46, 2-10% , 15-30mm, Distinct; Mottles, 10YR66, 10-20% , 15-30mm, Prominent; Light clay; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; Field pH 6 (pH meter);

B22 0.8 - 1.4 m Light grey (10YR7/2-Moist); Mottles, 5YR54, 2-10% , 15-30mm, Distinct; Light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Weak consistence; Field pH 6.2 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Project Name: Jerramungup soils inventory (=JER LRS)
Project Code: JSI **Site ID:** 0136 **Observation** 1
Agency Name: Agriculture Western Australia

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.2	4.7B 5.4H	9B	2.3H	0.58	0.07	0.13	0.12J		3.08D	
0.2 - 0.5	4.7B 5.7H	3B	0.2H	0.16	<0.02	0.05	0.06J		0.42D	
0.5 - 0.8	4.7B 5.7H	12B	0.44H	2.57	0.08	0.8	0.15J		3.89D	
0.8 - 1.4	4.9B 5.6H	44B	0.16H	2.78	0.04	1.86	<0.02J		4.84D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis			
		Clay						GV	CS	FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.2 4.5		1.18D		69B	0.079E						2.3
0.2 - 0.5 4.5		0.14D		16B	0.011E						1.7
0.5 - 0.8 43		0.33D		22B	0.02E						1.5
0.8 - 1.4 59.9		0.13D		17B	0.008E						11.6

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)