Project Name: **Jerramungup soils inventory (=JER LRS)**
Project Code: **JSI** **Site ID:** **0135** **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.:	6269800 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	758960 Datum: AGD84	**Drainage:**	Imperfectly 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:** Sand plain

Morph. Type:	Simple-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**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:
N/A
ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: Dy5.21
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 - 0.1 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 6.7 (pH meter);

A21 0.1 - 0.5 m Yellowish brown (10YR5/8-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; Many (20 - 50 %), Ferruginous, Coarse (6 - 20 mm), Concretions; Field pH 6 (pH meter);

B21 0.5 - 1 m Brownish yellow (10YR6/6-Moist); Mottles, 10YR71, 0-0% , 0-5mm, Prominent; Light clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; Field pH 5.8 (pH meter); Few

C 1 - m Brownish yellow (10YR6/8-Moist); Mottles, 10YR72, 10-20% , 0-5mm, Prominent; Mottles, 10YR56, 10-20% , 0-5mm, Prominent; Light clay; Massive grade of structure; Sandy (grains prominent) fabric; Wet; Firm consistence; Field pH 5.8 (pH meter); Few

Morphological Notes

Observation Notes

Site Notes

Yellow gravel - len hill, perched water table at 180cm. Gravelly layer in a21.

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations Ca	Mg	K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.1	4.9B 5.6H	10B	2.29H	0.44	0.08	0.07	0.03J		2.88D	
0.1 - 0.5	4.9B 6H	2B	0.38H	0.21	0.02	0.04	0.05J		0.65D	
0.5 - 1	5.4B 5.9H	5B	0.63H	2.1	0.1	0.23	0.02J		3.06D	
1 - 1	4.6B 5.2H	8B	0.25H	2.46	0.05	0.3	0.14J		3.06D	

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt
m	%	Clay %	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1		1.19D		69B	0.067E						1.3
3.5											
0.1 - 0.5		0.3D		19B	0.018E						0.6
4.3											
0.5 - 1		0.09D		22B	0.008E						4.6
45											
1 - 1		0.1D		21B	0.006E						8.8
53.7											

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)