Project Name: **Jerramungup soils inventory (=JER LRS)**
Project Code: **JSI** Site ID: **0139** Observation ID: **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Tim Overheu	**Locality:**	
Date Desc.:	12/03/93	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6320900 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	787500 Datum: AGD84	**Drainage:**	Imperfectly 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: Gently undulating plains <9m 1-3%   **Pattern Type:**   Plain

Morph. Type:	Simple-slope	**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
N/A	**Principal Profile Form:**	Dy4.13
ASC Confidence:	**Great Soil Group:**	N/A
Confidence level not specified		

Site   Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse   No surface coarse fragments; No surface coarse fragments

Profile

Ap   0 - 0.1 m   Brown (10YR4/3-Moist); , 0-0% ; Loamy sand; Single grain grade of structure; Sandy
(grains prominent)

 fabric; Dry; Loose consistence; Water repellent; Field pH 9.4 (pH meter);

B21t   0.1 - 0.3 m   Pale brown (10YR6/3-Moist); , 0-0% ; Light clay; Moderate grade of structure, 5-10 mm,
Subangular

blocky; Smooth-ped fabric; Moderately moist; Weak consistence; Field pH 9.9 (pH meter);

B22t   0.3 - 0.9 m   Brown (10YR5/3-Moist); , 0-0% ; Light clay; Strong grade of structure, 5-10 mm,
Subangular blocky;

Smooth-ped fabric; Moderately moist; Firm consistence; Field pH 9.9 (pH meter);

B23t   0.9 - 1.7 m   Brown (10YR5/3-Moist); , 0-0% ; Light clay; Strong grade of structure, 2-5 mm,
Subangular blocky;

Smooth-ped fabric; Moderately moist; Firm consistence; Field pH 9.7 (pH meter);

Morphological Notes

Observation Notes

Site Notes

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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 - 0.1	6.7B 7.2H	26B	5.12A	2.13	0.73	0.15		6J	8.13D	2.50
0.1 - 0.3	7.8B 8.8H	63B	1.85E	7.44	0.82	4.45		15J	14.56D	29.67
0.3 - 0.9	8.6B 9.1H	250B	2.31E	10.52	2.22	10.47		25J	25.52D	41.88
0.9 - 1.7	8.5B 9H	270B	1.94E	10.17	1.87	10.48		24J	24.46D	43.67

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size			Analysis Silt
								GV	CS	FS	
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1 10.1		0.95D		56B	0.063E						6.1
0.1 - 0.3 37.3	<2C	0.12D		31B	0.014E						1.8
0.3 - 0.9 58.1	9C	0.12D		25B	0.01E						4
0.9 - 1.7 58.2	5C	0.08D		25B	0.008E						4.4

Laboratory Analyses Completed for this profile

12C1	Calcium chloride extractable boron - manual colour
15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CEC	CEC - meq per 100g of soil - Not recorded
15_NR_CMR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_K for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_MG for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15A1_NA for soluble	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment salts
15C1_CA pretreatment for	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5, soluble salts
15C1_K soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15C1_MG soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15C1_NA soluble salts	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
15J_BASES	Sum of Bases
15L1_a Sum of Cations	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
19B_NR	Calcium Carbonate (CaCO3) - Not recorded

3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - 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)

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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)