Project Name: **Jerramungup soils inventory (=JER LRS)**
Project Code: **JSI** **Site ID:** **1915** **Observation ID:** **1**
Agency Name: **Agriculture Western Australia**

Site Information

Desc. By:	Henry Smolinski	**Locality:**	
Date Desc.:	01/01/94	**Elevation:**	No Data
Map Ref.:		**Rainfall:**	No Data
Northing/Long.:	6243281 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	759978 Datum: AGD84	**Drainage:**	Poorly 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:	Level plain <9m <1%	**Pattern Type:**	Plain
Morph. Type:	Flat	**Relief:**	No Data
Elem. Type:	No Data	**Slope Category:**	No Data
Slope:	1 %	**Aspect:**	No Data

Surface Soil Condition Firm

Erosion:

Soil Classification

Australian Soil Classification:
Calcic Hypercalcic Brown Sodosol
ASC Confidence:
Confidence level not specified

Mapping Unit: N/A
Principal Profile Form: Dy2.43
Great Soil Group: N/A

Site

Vegetation:

Surface Coarse

Profile

Ap 0 - 0.1 m Dark greyish brown (10YR4/2-Moist); ; Loamy sand; Weak grade of structure, ; Sandy (grains prominent) fabric; Dry; Field pH 6 (pH meter); Clear change to -

A2 0.1 - 0.15 m ; Sand; Sandy (grains prominent) fabric; Field pH 7 (pH meter); Abrupt change to -

B21t 0.15 - 0.25 m Yellowish brown (10YR5/4-Moist); Very dark greyish brown (10YR3/2-Moist); ; Sandy loam; , Columnar; Field pH 9 (pH meter); Gradual change to -

B22t 0.25 - 0.4 m Light yellowish brown (2.5Y6/4-Moist); ; Light clay; Weak grade of structure, Angular blocky; Smooth-ped fabric; Moist; Field pH 9 (pH meter); Diffuse change to -

B23tk 0.4 - 0.8 m Pale olive (5Y6/3-Moist); ; Light clay; Massive grade of structure; Moist; Many (20 - 50 %), , , ; Field pH 9.1 (pH meter); Diffuse change to -

B3 0.8 - 1.2 m Pale olive (5Y6/3-Moist); ; Light clay; Field pH 9 (pH meter);

Morphological Notes

Ap (10YR 4/2.5, moist); (10YR 6/2.5, dry); Loamy medium to coarse sand; pH 6.0 - 6.5
A2 Medium to coarse sand, structureless, compact; abruupt, irregular boundary.
B21t 10YR 6.5/4, dry)); Organic staining; medium to coarse SL. to LSCL.; coarse columnar structure.

B3 As above, with common dark segregations (1mm dia.), possibly manganese segregations. Lime content <10%.

Observation Notes

Site Notes

Soil Pit: 5 (north face). Soil Class: Hardsetting yellow duplex soil (sand over domed clay). Soil surface: firm to hardsetting (dry).

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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										
0.1 - 0.15										
0.15 - 0.3										
0.15 - 0.3										
0.3 - 0.4										
0.4 - 0.7										
0.4 - 0.7										

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis GV	CS	FS	Silt
		Clay									
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1											
0.1 - 0.15											
0.15 - 0.3											
0.15 - 0.3											
0.3 - 0.4											
0.4 - 0.7											
0.4 - 0.7											

Laboratory Analyses Completed for this profile

14B1	Electrical conductivity/SE
14C1	pH/SE
14D1_C	Bicarbonate/SE and carbonate/SE - potentiometric titration
14D2_BC	Bicarbonate/SE and carbonate/SE - indicator method
14E3	Chloride/SE - ICPAES
14F1	Sulfate/SE - ICPAES
14H1_CA	Soluble bases/SE (Ca,Mg,K,Na)
14H1_K	Soluble bases/SE (Ca,Mg,K,Na)
14H1_MG	Soluble bases/SE (Ca,Mg,K,Na)
14H1_NA	Soluble bases/SE (Ca,Mg,K,Na)
2D1	Moisture content - approximate saturation paste