

**Project Name:** Jerramungup soils inventory (=JER LRS)  
**Project Code:** JSI **Site ID:** 0130 **Observation ID:** 1  
**Agency Name:** Agriculture Western Australia

#### Site Information

<b>Desc. By:</b>	Tim Overheu	<b>Locality:</b>	
<b>Date Desc.:</b>	28/04/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>		<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6283780 AMG zone: 50	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	748600 Datum: AGD84	<b>Drainage:</b>	Imperfectly drained

#### Geology

<b>ExposureType:</b>	Soil pit	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	No Data

#### Land Form

**Rel/Slope Class:** Gently undulating plains <9m 1-3% **Pattern Type:** Plain

<b>Morph. Type:</b>	Simple-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	No Data
<b>Slope:</b>	%	<b>Aspect:</b>	No Data

#### Surface Soil Condition Loose

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

#### Soil Classification

<b>Australian Soil Classification:</b>	N/A	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	Confidence level not specified	<b>Principal Profile Form:</b>	Dy4.63
		<b>Great Soil Group:</b>	N/A

**Site** Extensive clearing, for example poisoning, ringbarking

#### Vegetation:

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

#### Profile

Ap	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); , 0-0% ; Loamy fine sand; Single grain grade of structure;
Ferruginous,		Sandy (grains prominent) fabric; Moderately moist; Loose consistence; Few (2 - 10 %), Medium (2 -6 mm), Concretions; Water repellent; Field pH 7.1 (pH meter);
A21	0.1 - 0.3 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 %), (2 -6 mm), Concretions; Field pH 7.1 (pH meter);
Ferruginous, Medium		
B21	0.3 - 0.7 m	Brownish yellow (10YR6/6-Moist); , 0-0% ; Clayey sand; Single grain grade of structure;
Sandy (grains		prominent) fabric; Moderately moist; Loose consistence; Very many (50 - 100 %), (2 -6 mm), Concretions; Field pH 7 (pH meter);
Ferruginous, Medium		
B22	0.7 - 1.25 m	Yellow (10YR7/6-Moist); , 0-0% ; Sandy light clay; Moderate grade of structure, 2-5 mm,
Subangular		blocky; Smooth-ped fabric; Moderately moist; Weak consistence; Field pH 5 (pH meter);
C	1.25 - m	Light grey (10YR7/2-Moist); Mottles, 5YR54, 10-20% , 5-15mm, Prominent; , 10YR66;
Sandy light clay;		Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; Weak
consistence; Soil		matrix is Slightly calcareous; Field pH 6.6 (pH meter);

#### Morphological Notes

#### Observation Notes

#### Site Notes

Sandy gravel.dave eberts.close to house along driveway

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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	5B 6.1H	3B	1.71H	0.49	0.17	0.04	0.03J		2.41D	
0.1 - 0.3	5.3B 6.5H	2B	1.78A	1.08	0.12	0.06		3J	3.04D	2.00
0.3 - 0.7	5.8B 6.7H	3B	1.15A	2.62	0.19	0.22		5J	4.18D	4.40
0.7 - 1.25	5.7B 6.7H	9B	0.73A	6.38	0.25	1.52		10J	8.88D	15.20
1.25 - 1.25	6.4B 7.4H	12B	0.72A	7.25	0.41	2.04		10J	10.42D	20.40

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		0.74D		59B	0.058E			2.5
0.1 - 0.3		0.53D		11B	0.023E			3.2
0.3 - 0.7		0.23D		15B	0.021E			2.5
0.7 - 1.25		0.08D		14B	0.009E			4.4
1.25 - 1.25		0.1D		15B	0.01E			5.8

**Laboratory Analyses Completed for this profile**

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_CMV	Exchangeable bases (Ca/Mg ratio) - Not recorded
15A1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_K	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_MG	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
15A1_NA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble	salts
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
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	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
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

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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)