Project Name: **Jerramungup soils inventory (=JER LRS)**
Project Code: **JSI** **Site ID:** **0127** **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.:	6285230 AMG zone: 50	**Runoff:**	No Data
Easting/Lat.:	749130 Datum: AGD84	**Drainage:**	Moderately well 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:	No Data	**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: Dy5.23
Great Soil Group: N/A

Site

Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse

50-90%, medium gravelly, 6-20mm, subangular, Gravel; No surface coarse fragments

Profile

A1 0 - 0.14 m Brown (10YR5/3-Moist); , 0-0% ; , 20-50% ; Loamy fine sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; Few (2 - 10 %), Ferruginous, Fine (0 - 2 mm), Concretions; Few (2 - 10 %), Ferruginous, Fine (0 - 2 mm), Concretions; Water repellent; Field pH 6.6 (pH meter);

A21 0.14 - 0.25 m Light yellowish brown (10YR6/4-Moist); , 0-0% ; , 0-0% ; Fine sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; Few (2 - 10 %), Ferruginous, Fine (0 - 2 mm), Concretions; Few (2 - 10 %), Ferruginous, Fine (0 - 2 mm), Concretions; Field pH 6.8 (pH meter);

2B21 0.25 - 0.55 m Yellowish brown (10YR5/8-Moist); , 0-0% ; Sandy clay loam; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Loose consistence; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Concretions; Field pH 6.3 (pH meter);

2B22 0.55 - 1.7 m Reddish yellow (7.5YR6/6-Moist); , 7.5YR44, 10-20% , 15-30mm, Distinct; Sandy clay loam; Moderately moist; Weak consistence; Many (20 - 50 %), Ferruginous, Very coarse (20 - 60 mm), Concretions; Field pH 6.9 (pH meter);

Morphological Notes

Observation Notes

Site Notes

Yellow gravel-dave eberts yellow gravel

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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 - 0.14	5.2B 6.2H	2B	1.72H	0.56	0.17	0.02	0.03J		2.47D	
0.14 - 0.25	5.4B 6.3H	2B	0.84H	0.69	0.05	0.03	0.02J		1.61D	
0.25 - 0.55	4.6B 5.6H	4B	0.32H	2.36	<0.02	0.22	0.19J		2.91D	
0.55 - 1.7	5.2B 6.2H	4B	0.03H	1.93	0.03	0.44	0.02J		2.43D	

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 - 0.14 5.3		0.69D		62B	0.045E						1.8
0.14 - 0.25 6.7		0.19D		6B	0.013E						2
0.25 - 0.55 18.7		0.2D		11B	0.017E						3
0.55 - 1.7 8.6		0.07D		7B	0.006E						2.2

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)

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