Project Name: Project Code: Agency Name:	Jerramungup soils invento JSI Site ID: Agriculture Western Austra	0366 O	bservation ID:	1					
Site Information Desc. By: Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.:	Tim Overheu 13/10/93	Locality: Elevation: Rainfall: Runoff: Drainage:	80 metres No Data No Data Moderately well di	rained					
<u>Geology</u> ExposureType: Geol. Ref.:	Existing vertical exposure No Data	Conf. Sub. is Pare Substrate Material							
Land Form Rel/Slope Class: Morph. Type: Elem. Type: Slope: Surface Soil Co	Level plain <9m <1% Flat Plain 0 % pndition Loose	Pattern Type: Relief: Slope Category: Aspect:	Sand plain No Data No Data No Data						
	d); (scald) (sheet) (rill) (mass) (gu nk) (tunnel)	ully)							
Soil Classificat	, , ,								
Australian Soil Cl N/A ASC Confidence Confidence level	: not specified	Princi Great	ng Unit: pal Profile Form: Soil Group:	N/A Dy5.82 N/A					
<u>Site</u> Vegetation:	Limited clearing, for example se	elective logging							
Surface Coarse Profile	No surface coarse	fragments; No surfac	e coarse fragments						
A1 0 - 0.15 r (grains prominent)	m Grey (10YR5/1-Moist); , 0-0	9% ; Loamy sand; Sin	gle grain grade of s	tructure; Sandy					
	fabric; Dry; Loose consister	nce; Very few (0 - 2 %	6), Ferruginous, Fine	e (0 - 2 mm),					
Concretions; Water	repellent; Field pH 6.9 (pH r	meter); Clear change	to -						
A21 0.15 - 0.6	6 m White (10YR8/2-Moist); Mo	White (10YR8/2-Moist); Mottles, 2.5Y66, 2-10% , 0-5mm, Faint; Loamy sand; Single grain							
grade of	structure; Sandy (grains pro	structure; Sandy (grains prominent) fabric; Dry; Loose consistence; Very few (0 - 2 %),							
Ferruginous,	Fine (0 - 2 mm), Concretion	Fine (0 - 2 mm), Concretions; Field pH 7 (pH meter); Abrupt change to -							
A3 0.6 - 1.3	m Brownish yellow (10YR6/6-I	Moist); Mottles, 7.5YI	R32, 10-20% , 5-15r	mm, Distinct; Sandy					
clay loam;	Single grain grade of struct	Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Strong							
consistence;	Very many (50 - 100 %), Fe	Very many (50 - 100 %), Ferruginous, Coarse (6 - 20 mm), Concretions; Ferricrete,							
Moderately	cemented, Vesicular; Field	cemented, Vesicular; Field pH 7.1 (pH meter); Abrupt change to -							
B21 1.3 - 1.5	m Light yellowish brown (10Yf	R6/4-Moist); Mottles,	10YR58, 2-10% , 0-	5mm, Distinct; Sandy					
light clay;	Strong grade of structure, 5	-10 mm, Subangular	blocky; Smooth-peo	d fabric; Moderately					
moist; Firm	consistence; Very many (50) - 100 %), Ferrugino	us, Medium (2 -6 m	m), Concretions; Field					
рН 7.2 (рН	meter); Clear change to -								
B21b 1.5 - 1.8	m Very pale brown (10YR7/4-	Very pale brown (10YR7/4-Moist); Mottles, 10YR71, 10-20%, 15-30mm, Prominent;							
medium clay;	Moderate grade of structure	,.							
Moderately moist; V	/ery	weak consistence; Field pH 7.1 (pH meter);							
Morphological		(F , ,							

Morphological Notes Observation Notes Site Notes Pit 1 on o'mearas. Sand/laterite/clay. A1 very fine sand with few very fine buckshot gravel segregations. Linear mottles. A3 sandy matrix. Weakly cemented laterite layer. Seepage layer at top of b21. Mottled clay. 50-55 cm yellow tinge in

Project Name:	Jerramungup se	oils invento	ory (=JER LRS)		
Project Code:	JSI	Site ID:	0366	Observation	1
Agency Name:	Agriculture Wes	stern Austr	alia		

Laboratory Test Results:

Depth	рН	1:5 EC	Exo Ca	changeab Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	ou	ing	ĸ		(+)/kg			%
0 - 0.15	4.6B 5.7H	2B	1.43H	0.33	0.04	0.05	0.15J		1.85D	
0.15 - 0.6	5B 5.9H	1B	0.11H	0.12	0.04	0.03	0.08J		0.3D	
0.6 - 1.3	4.7B 5.7H	2B	0.3H	0.18	0.12	0.06	0.34J		0.66D	
1.3 - 1.5	5.4B 6.8H	2B	0.6A	0.63	0.09	0.21			1.53D	
1.5 - 1.8	5.2B 6.2H	9B	1.32H	3.15	0.12	0.82	0.03J		5.41D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	GV I	Particle CS	Size FS	Analysis Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.15 1.4		0.76D		30B	0.032E						0.9
0.15 - 0.6 0.8		0.08D		11B	0.004E						0.3
0.6 - 1.3 3.5		0.3D		18B	0.011E						1.2
3.5 1.3 - 1.5 7.4		0.21D		16B	0.009E						1
1.5 - 1.8 41.7		0.19D		24B	0.008E						1.6

Laboratory Analyses Completed for this profile

15_NR_BSa 15_NR_CMR 15A1_CA for soluble	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available Exchangeable bases (Ca/Mg ratio) - Not recorded Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
	salts
15A1_CEC 15A1_K for soluble	Exchangeable bases (CEC) - 1M ammonium chloride at pH 7.0, no pretreatment for soluble salts 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
15E1_AL	Exchangeable AI - 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 Sum of Bases
15J_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
18A1_NR 3 NR	Bicarbonate-extractable potassium (not recorded) Electrical conductivity or soluble salts - Not recorded
4 NR	pH of soil - Not recorded
·_· ···	F

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
9A3	rotal Phosphorus (ppm) - semimicro Kjeldani, automated colodi

Project Name: Project Code: Agency Name:	JSI Site ID: 0366 Observation 1
9B_NR	Bicarbonate-extractable phosphorus (not recorded)
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)