Project Code:	Jerramungup soils inventor JSI Site ID: Agriculture Western Austra	1064 O	bservation ID: 7	1					
Date Desc.:24Map Ref.:25Northing/Long.:63Easting/Lat.:75	im Overheu 8/09/94 334007 AMG zone: 50 51389 Datum: AGD84	Locality: Elevation: Rainfall: Runoff: Drainage:	334 metres 340 No Data Imperfectly drained	d					
	ioil pit Io Data	Conf. Sub. is Parent. Mat.: No Data Substrate Material: No Data							
Land Form Rel/Slope Class: G	Sently undulating plains <9m 1-3%	6	Pattern Type:	Plain					
Elem. Type: P	Simple-slope Plain 9% dition_ Hardsetting, Hard	Relief: 5 metres Slope Category: No Data Aspect: No Data ardsetting							
	(scald) (sheet) (rill) (mass) (gu) (tunnel)	lly)							
(Stbank)									
Australian Soil Clas N/A		Princip	ng Unit: pal Profile Form:	N/A Gc1.11					
ASC Confidence: Confidence level not	t specified	Great	Soil Group:	N/A					
<u>Site</u>	Complete clearing. Pasture, nat	ive or improved, culti	vated at some stage	е					
Vegetation:	0.00/	"		<i>,</i> , ,					
Surface Coarse Silcrete Profile	0-2%, medium grav	elly, 6-20mm, suban	gular, Silcrete; 0-2%	6, , subangular,					
Ap 0 - 0.1 m Moderate grade	Strong brown (7.5YR4/6-Mo	ist); Mottles, 2.5Y48,	, 2-10% , 5-15mm, I	Distinct; Clay loam;					
medium	of structure, 5-10 mm, Polyh	of structure, 5-10 mm, Polyhedral; Rough-ped fabric; Dry; Very firm consistence; 10-20%,							
	gravelly, 6-20mm, rounded,	gravelly, 6-20mm, rounded, Gravel, coarse fragments; Few (2 - 10 %), Calcareous, Fine							
(0 - 2 mm), -	Concretions; Soil matrix is M	Concretions; Soil matrix is Moderately calcareous; Field pH 9 (pH meter); Clear change to							
B21 0.1 - 0.5 m 0-5mm, Faint;	Red (2.5YR4/8-Moist); Mottl	Red (2.5YR4/8-Moist); Mottles, 2.5Y44, 2-10% , 0-5mm, Faint; Mottles, 5YR68, 2-10% ,							
Dry; Very firm	Light medium clay; Strong g	rade of structure, 5-1	10 mm, Polyhedral;	Rough-ped fabric;					
	consistence; 0-2%, fine grav	velly, 2-6mm, subang	jular, Quartz, coarse	e fragments; Few (2 -					
10 %),	Calcareous, Medium (2 -6 m	nm), Concretions; So	il matrix is Moderate	ely calcareous; Field					
рН 9.1 (рН	meter); Gradual change to -								
B22 0.5 - 0.9 m	Red (2.5YR4/8-Moist); ; Ligh	nt medium clay; Stror	ng grade of structure	e, 10-20 mm,					
Polyhedral; Rough-	ped fabric; Moderately mois	t; Very firm consister	nce; 2-10%, medium	n gravelly, 6-20mm,					
subangular,	Gypsum, coarse fragments:	Gypsum, coarse fragments; Soil matrix is Slightly calcareous; Field pH 8.6 (pH meter);							
Gradual change	to -								
B23 0.9 - 1.3 m	Red (2.5YR4/6-Moist); , 7.5	YR76, 2-							
structure, 5-10	mm, Polyhedral; Rough-ped	fabric; Moderately n	noist; Strong consist	tence; 0-2%, fine					
gravelly, 2-6mm,	angular, Quartz, coarse frag	angular, Quartz, coarse fragments; Field pH 7 (pH meter);							
Morphological No	otes								

Observation Notes

Site Notes Gently undulating country side - terraced site almost like a valley floor; a transitional soil? Loamy sand over white sand over a mottled calcareous clay over a yellow clay with soft lime. Sand seams go to 40cm; top of clay = 35cm.

Project Name:	Jerramungup s	oils invento	ory (=JER LRS)	
Project Code:	JSI	Site ID:	1064	Observation	1
Agency Name:	Agriculture Wes	stern Austr	alia		

Laboratory Test Results:

Depth	рН	1:5 EC	Ca	Exchangeal Mg	ble Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	ou	mg	N		(+)/kg			%
0 - 0.1	8.1B 8.6H	98B	9.7E	5	0.66	2.6		17J	17.96D	15.29
0.1 - 0.5	8.3B 8.9H	140B	8.8E	6.9	0.73	6.6		22J	23.03D	30.00
0.5 - 0.9	7.6B 7.8H	320B	24A	. 9	0.76	7.8		19J	41.56D	41.05
0.9 - 1.3	4.5B 4.9H	230B	2H	8.6	0.5	8.2	0.3J		19.3D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	F GV	Particle CS	Size FS	Analysis Silt
m	%	%	mg/kg	%	%	%	Mg/m3			%	
0 - 0.1 28.9	4C	1.18D		130B	0.092E	E					7.5
0.1 - 0.5	4C	0.39D		34B	0.028E						7.3
59.8 0.5 - 0.9 59		0.1D		24B	0.009E	i i					5.3
0.9 - 1.3 68.6		0.19D		29B	0.013E						5.6

Laboratory Analyses Completed for this profile

12C1 15_NR_BSa 15_NR_CEC 15_NR_CMR 15A1_CA for soluble	Calcium chloride extractable boron - manual colour Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available CEC - meq per 100g of soil - Not recorded Exchangeable bases (Ca/Mg ratio) - Not recorded Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_K for soluble	salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
15A1_MG	salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble 15A1_NA	salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, no pretreatment
for soluble 15C1 CA	salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5,
pretreatment for	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
15E1_AL 15E1_CA salts	Exchangeable AI - by compulsive exchange, no pretreatment for soluble salts Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble
15E1_K 15E1_MG 15E1_MN 15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts Exchangeable bases (Mn2+) by compulsive exchange, no pretreatment for soluble salts Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts

15J_BASES 15L1_a Sum of Cations	Sum of Bases 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

Project Name: Project Code: Agency Name:	JSI Site ID: 1064 Observation 1
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)