Project Name: Project Code: Agency Name:	Bencubbin land resources MDN Site ID: Agriculture Western Austra	0326 O	North) bservation ID:	1				
Site Information Desc. By: Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.:	n John Wagnon 08/08/91 6563836 AMG zone: 50 559802 Datum: AGD84	Locality: Elevation: Rainfall: Runoff: Drainage:	No Data No Data No Data No Data					
<u>Geology</u> ExposureType: Geol. Ref.:	Soil pit No Data	U	onf. Sub. is Parent. Mat.: No Data					
Landform Rel/Slope Class: Morph. Type: Elem. Type: Slope:	No Data Lower-slope Footslope 1 %	Pattern Type: Relief: Slope Category: Aspect:	Peneplain No Data No Data 90 degrees					
Surface Soil Co Erosion	ondition							
Soil Classificat	ion							
ASC Confidence	ed-Subnatric Red Sodosol : e incomplete but reasonable confid	Princi Great	ng Unit: pal Profile Form: Soil Group:	N/A Dy5.72 N/A				
Vegetation Surface Coarse	_							
Profile Morpho A1 0 - 0.12 r Moderately			-					
A2 0.12 - 0.5	55 m Very pale brown (10YR7/4-	Moist); Mottles, 5YR7	78, 0-2% , 0-5mm, F	aint; Sand; Massive				
grade of (0-1mm) roots;	structure; Smooth-ped fabr	structure; Smooth-ped fabric; Moderately moist; Field pH 7.5 (pH meter); Few, very fine						
(0-11111) 10013,	Sharp, Wavy change to -							
B2 0.55 - 0.7 Massive grade	75 m Reddish yellow (5YR7/8-M	oist); Mottles, 10R48,	20-50% , 5-15mm,	Distinct; Light clay;				
(0-1mm) roots;	of structure; Smooth-ped fa	abric; Moderately mois	st; Field pH 7 (pH m	eter); Few, very fine				
B22 0.75 - m	;							

Morphological Notes

worphological	NULES
A1	2% CLAY
A2	1% CLAY
B2	40% CLAY

Observation Notes

Site Notes

Rob McAndrew-paddock 1

Project Name:	Bencubbin land resources survey (Merredin North)					
Project Code: Agency Name:	MDN Agriculture Wes	Site ID: tern Austr		Observation	1	

Laboratory Test Results:

Depth	рН	1:5 EC	E Ca	xchangeab Mg	le Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	••	9			(+)/kg			%
0.03 - 0.08	4.6B	4B	1.3H	0.23	0.03	0.08	0.26J		1.64D	

0.3 - 0.35	5.5H 6B 6.6H	2B	0.57H	0.17	0.02	<0.02	<0.02J	0.77D
0.6 - 0.7	5.2B 6.4H	6B	1.38H	3.1	0.15	0.83	<0.02J	5.46D

Depth m	CaCO3 %	Organic C Clay %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	F GV	Particle CS	Size FS %	Analysis Silt
0.03 - 0.08 7.6		0.98D		85B							3.2
0.3 - 0.35 4		0.14D		24B							2.9
0.6 - 0.7 37.7		0.08D		30B							2.4

Laboratory Analyses Completed for this profile

15_NR_BSa 15_NR_CMR 15E1_AL 15E1_CA salts	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available Exchangeable bases (Ca/Mg ratio) - Not recorded 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 15J BASES	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 Sum of Bases
15N1_b 18A1_NR	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations Bicarbonate-extractable potassium (not recorded)
3_NR 4_NR	Electrical conductivity or soluble salts - Not recorded 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
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
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 P10106 150	Silt (%) - Not recorded
P10106_150 P10150_180	106 to 150u particle size analysis, (method not recorded) 150 to 180u particle size analysis, (method not recorded)
P10130_180	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)
1 100001000	