Project Name: Project Code: Agency Name:	MD	N		resources Site ID: tern Austr	0330		n North) Observatic	on ID:	1		
Site Information Desc. By: Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.:	Gerar 09/08/ 65655	d Grealis /91 551 AMG 15 Datur	zone:		Localit Elevati Rainfal Runoff Drainag	on: I: :	No Data No Data No Data No Data				
Geology ExposureType: Geol. Ref.:		Soil pit No Data				Conf. Sub. is Parent. Mat.: No Data Substrate Material: No Data					
Landform Rel/Slope Class: Morph. Type: Elem. Type: Slope:	No Data Mid-slope Hillslope 2 %				Pattern Type:PeneplaRelief:No DataSlope Category:No DataAspect:90 degr						
Surface Soil Co	Surface Soil Condition										
Erosion Soil Classification											
Australian Soil CI Acidic Regolithic C ASC Confidence All necessary ana Site Disturbanc	enosol			Princ	Mapping Unit:N/APrincipal Profile Form:Uc5.2Great Soil Group:N/A						
Vegetation											
Surface Coarse	Frag	<u>ments</u>									
Profile Morphol											
A1 0 - 0.15 n Moderately	n	Dark greyish brown (10YR4/2-Moist); ; Sand; Massive grade of structure; Earthy fabric;									
Moderatory		moist; Very weak consistence; Field pH 6.5 (pH meter); Abundant, very fine (0-1mm)									
roots; Clear, Wavy		change to -									
B21 0.15 - 1 m 30mm, Faint;		Brownish yellow (10YR6/6-Moist); , 7.5YR58, 0-2% , 0-5mm, Faint; , 10YR82, 2-10% , 15- Clayey fine sand; Massive grade of structure; Earthy fabric; Moist; Weak consistence;									
Field pH 4.5 (pH	ield pH 4.5 (pH		meter); Few, very fine (0-1mm) roots; Diffuse change to -								
B22 1 - 1.8 m fabric; Moist;	-		Brownish yellow (10YR6/6-Moist); ; Clayey fine sand; Massive grade of structure; Earthy								
20 mm),		Weak o	consiste	ence; 2-10%,	coarse fra	agments; I	Few (2 - 10 %	6), Ferru	ginous, Coar	se (6 -	
		Nodules; Field pH 4.5 (pH meter); Few, very fine (0-1mm) roots;									
Morphological	Notes	<u>.</u>									
A1 B21 B22	3% CLAY 8% CLAY10YR8/2 MOTTLES ARE BLEACHED SAND GRAINS 8% CLAY										
Observation No	otes										
Site Notes											
deep yellow sandfree standing water @ 270cmlaterite nodules increase in abundance below 2mpH:6.5 @ 3cm- 4.5 @ 25cm-4.5 @ 60cm-6.0 @ 100cm-7.5 @ 160cm.											
Project Name: Bencubbin land resources survey (Merredin North) Project Code: MDN Site ID: 0330 Observation 1 Agency Name: Agriculture Western Australia											
Laboratory Tes	t Res	ults:									
Depth pH		1:5 EC		Exchangeable			xchangeable	CEC	ECEC	ESP	
m	(dS/m	Ca	Mg	к	Na Cmol (+)/	Acidity /kg			%	

0.01 - 0.05	4.7B 5.6H	6B	1.43H	0.35	0.08	0.24	0.25J	2.1D	
0.3 - 0.35	4B 4.4H	6B	0.58H	0.19	0.02	0.1	0.78J	0.89D	
1.2 - 1.25	4.5B 4.8H	35B	0.87H	0.85	<0.02	1.64	0.06J	3.37D	
Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size A GV CS FS	Analysis Silt
m	%	%	mg/kg	%	%	%	Mg/m3	%	
0.01 - 0.05 8.4		1.2D		150B					5.1
0.3 - 0.35 17.7		0.19D		28B					3.8
1.2 - 1.25 16.1		0.11D		22B					8

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	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG 15E1_MN	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts 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 saits
15J_BASES	Sum of Bases
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
18A1_NR	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 P10 20 75	1000 to 2000u particle size analysis, (method not recorded)
P10_20_75 P10_75_106	20 to 75u particle size analysis, (method not recorded) 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 P10300 600	180 to 300u particle size analysis, (method not recorded) 300 to 600u particle size analysis, (method not recorded)
P106001000	600 to 1000u particle size analysis, (method not recorded)