Project Name: Project Code: Agency Name:	CA CA CS		C145 SW)	0	bservatio	on ID:	1	
Site Information								
Desc. By:	H.M.	Churchwood	Locality:				ortion 21 80M from west	
Date Desc.: Map Ref.: Northing/Long.: Easting/Lat.:	143.5	2/56 t No. : 7627 1:100000 566666666667 3333333333333	Elevation: Rainfall: Runoff: Drainage:		boundary:260M from south west corner 85 metres 325 Very slow Moderately well drained			
<u>Geology</u> ExposureType: Geol. Ref.:	No D No D		Conf. Sub. is Parent. Mat.: Substrate Material:			No Data Slightly porous, Unconsolidated material (unidentified)		
Land Form Rel/Slope Class: Morph. Type: Elem. Type: Slope:	Leve Flat Plain 1 %	l plain <9m <1%	Pattern Type:PlainRelief:No DataSlope Category:Very gerAspect:No Data		ently sloped			
Surface Soil Co	onditio	on (dry): Soft						
Erosion: Soil Classificati	<u>ion</u>							
ASC Confidence	dohype :	cation: ersodic Epipedal Yellow Vertc vailable but confidence is fair		Princip	ng Unit: pal Profile Soil Group		N/A N/A Grey clay	
Site Disturbanc	:e: Ex	tensive clearing, for example	poisoning, rir	ngbarkir	ng			
Vegetation:	Lo	ow Strata - Sod grass, , Mid-d	lense. *Specie	es inclu	des - Danth	nonia spe	ecies	
	Та	all Strata - Tree, , Isolated pla	ints. *Species	include	s - Eucalyt	pus largi	iflorens	
Surface Coarse	Frag	ments: No surface coarse	fragments					
<u>Profile Morphol</u> 0 - 0.05 r		Very pale brown (10YR7/3- structure, 20-50 mm, Angul segregations; Field pH 8.8	ar blocky; We				ngular blocky; Weak grade of 0 %), Calcareous, , Soft	
0.08 - 0.15 m Pale yellow (2.5Y7/4-Moist); , 10YR73, 20-50% ; , 20-50% ; Medium clay; 10-20 mm, Angular blocky; Moderate grade of structure, 20-50 mm, Angular blocky; Weak consistence; Few (2 - '%), Calcareous, , Soft segregations; Field pH 9.2 (pH meter);								
0.15 - 0.25 m Light yellowish brown (10YR6/4-Moist); , 10YR51, 20-50%; , 20-50%; Medium clay (Heavy); 2-4 mm, Angular blocky; Moderate grade of structure, 20-50 mm, Angular blocky; Firm consistence; Few cutans, <10% of ped faces or walls coated, distinct; Few (2 - 10%), Calcareous, , Soft segregations; Field pH 9.5 (pH meter);					ar blocky; Firm consistence;			
0.25 - 0.36 m Light yellowish brown (10YR6/4-Moist); , 10YR51, 20-50% ; , 20-50% ; Medium clay (Heavy); 10- 20 mm, Angular blocky; Moderate grade of structure, 20-50 mm, Angular blocky; Very firm consistence; Few cutans, <10% of ped faces or walls coated, distinct; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 9.7 (pH meter);					igular blocky; Very firm			
0.46 - 0.56 m Light yellowish brown (10YR6/4-Moist); , 10YR51, 20-50% ; , 20-50% ; Medium clay (Heavy); Ve firm consistence; Few cutans, <10% of ped faces or walls coated, distinct; Field pH 9.3 (pH meter);								
0.66 - 0.7	0.66 - 0.76 m Light yellowish brown (2.5Y6/4-Moist); , 2.5Y72, 20-50% ; , 20-50% ; Medium clay (Heavy); We consistence; Few cutans, <10% of ped faces or walls coated, distinct; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 8.9 (pH meter);							
0.81 - 0.9	91 m	Pale olive (5Y6/3-Moist); ; M ped faces or walls coated, 8.7 (pH meter);					; Common cutans, 10-50% of off segregations; Field pH	
1.07 - 1.1	17 m	Pale olive (5Y6/3-Moist); ; M ped faces or walls coated, pH 8.8 (pH meter);					; Common cutans, 10-50% of , Soft segregations; Field	

Project Name:	CAN				
Project Code:	CAN	Site ID:	C145	Observation ID:	1
Agency Name:	CSIRO Division	of Soils (N	ISW)		

- 1.52 1.63 m Pale olive (5Y6/3-Moist); ; Medium clay (Heavy); Weak consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Very few (0 2 %), Calcareous, , Soft segregations; Field pH 8.9 (pH meter);
- 2.03 2.13 m Very pale brown (10YR7/4-Moist); , 10YR66, 20-50% ; , 20-50% ; Medium clay (Heavy); Firm consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Very few (0 2 %), Calcareous, , Soft segregations; Field pH 8.8 (pH meter);

Morphological Notes

Observation Notes VESICULAR TO 40CM Site Notes

MURRAKOOL

Project Name:	CAN				
Project Code:	CAN	Site ID:	C145	Observation ID:	1
Agency Name:	CSIRO D	ivision of Soils (N	SW)		

Laboratory Test Results:

Depth	рН	1:5 EC Ca	Exchangeable Cations Mg K	Exchangeable Na Acidity	CEC	ECEC	ESP
m		dS/m		Cmol (+)/kg			%
0 - 0.05	8.8A	0.15A					
0.08 - 0.15	9.2A	0.18A					
0.15 - 0.25	9.5A	0.27A					
0.25 - 0.36	9.7A	0.39A					
0.46 - 0.56	9.3A	1.01A					
0.66 - 0.76	8.9A	1.46A					
0.81 - 0.91	8.7A	2.5A					
1.07 - 1.17	8.8A	2.86A					
1.52 - 1.63	8.9A	3.15A					
2.03 - 2.13	8.8A	3.15A					

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Densitv	P GV	article CS	Size FS	Analysi: Silt	s Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%	•	. ,
0 - 0.05	11.3A	\							10D	31	24	37
0.08 - 0.15	14.3A	١							8D	22	22	49
0.15 - 0.25	14.4A	۱							7D	22	19	53
0.25 - 0.36	13.1A	۱							8D	20	17	57
0.46 - 0.56									6D	19	14	59
0.66 - 0.76	13A								6D	19	15	60
0.81 - 0.91												
1.07 - 1.17	12A								5D	17	14	63
1.52 - 1.63												
2.03 - 2.13												

Depth	COLE		Grav	/imetric/Vo	olumetric W	ater Cont	ents		K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar g/	0.5 Bar /g - m3/m3	1 Bar B	5 Bar	15 Bar	mm/h	mm/h
0 - 0.05 0.08 - 0.15										
0.15 - 0.25 0.25 - 0.36										

0.25 - 0.36 0.46 - 0.56 0.66 - 0.76 0.81 - 0.91 1.07 - 1.17 1.52 - 1.63 2.03 - 2.13

Project Name:	CAN		
Project Code:	CAN	Site ID:	C145
Agency Name:	CSIRO Div	ision of Soils (N	ISW)

Laboratory Analyses Completed for this profile

19A1	Carbonates - rapid titration
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
5A2	Chloride - 1:5 soil/water extract, automated colour
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance

Observation ID: 1