Projec	t Code:	SC SC Site ID: CSIRO Division of Soils (N		bservation ID:	1		
	formation	E. Dutlor	Lecelity	2 25KM along llar	an Dood from Choolhou on Diver		
Desc. E Date De Map Re Northir Easting	esc.: 01 ef.: Sh ng/Long.: 15	E. Butler //01/56 neet No. : 9028 1:100000 50.580555555556 4.85416666666667	Locality: Elevation: Rainfall: Runoff: Drainage:	2.25KM along liar Bridge 75 metres 940 Slow Poorly drained	oo Road from Shoalhaven River		
<u>Geolo</u> Exposi Geol. R	ireType: No	o Data o Data	Conf. Sub. is Parent. Mat.: No Data Substrate Material: Slightly porous, Sandstone				
Land I Rel/Slo Morph. Elem. 1 Slope:	pe Class: Ur Type: Cr	ndulating rises 9-30m 3-10% rest illcrest %	Pattern Type: Relief: Slope Category: Aspect:	Plateau No Data Very gently slope No Data	d		
	e Soil Cond	lition (dry): Firm					
Erosic Soil C	o <u>n:</u> lassification						
	lian Soil Class	_	Mappi	ng Unit:	N/A		
		llow Chromosol		pal Profile Form:	N/A		
	onfidence:	cal data are available.	Great	Soil Group:	Yellow earth		
	, ,	No effective disturbance. Natura	al				
Vegeta	ation:		*On a size in shade a				
Surfac	e Coarse Fr	Tall Strata - Tree, , Mid-dense. ragments: 0-2%, fine gravelly,	•				
	Morpholog						
A1	0 - 0.01 m	Light yellowish brown (10YF Platy; Dry; Firm consistence coarse fragments; Very few (pH meter); Many	e; 0-2%, fine gravelly	, 2-6mm, rounded,	dispersed, Sandstone,		
A12	0.01 - 0.18 n	 Brownish yellow (10YR6/7-I Subangular blocky; Modera rounded, dispersed, Sandst (2 -6 mm), Concretions; Fie 	tely moist; Weak con tone, coarse fragmen	nsistence; 10-20%, 1 nts; Common (10 - 2	20 %), Ferruginous, Medium		
A13	0.18 - 0.36 n	structure; Moderately moist	; Weak consistence; se fragments; Comm	10-20%, fine grave non (10 - 20 %), Fer	n (Heavy); Massive grade of lly, 2-6mm, rounded, ruginous, Medium (2 -6 mm),		
A14	0.36 - 0.51 n	 - 0.51 m Brownish yellow (10YR6/7-Moist); , 10-20%; , 10-20%; Sandy loam; Massive grade of structure; Moderately moist; Weak consistence; 10-20%, fine gravelly, 2-6mm, rounded, dispersed, Sandstone, coarse fragments; Common (10 - 20%), Ferruginous, Medium (2 -6 mm), Soft segregations; Field pH 5.7 (pH meter); 					
B11	0.56 - 0.64 n	20 mm, Angular blocky; Mo	derately moist; Weak dispersed, Sandstone	consistence; Sligh	oderate grade of structure, 10- tly plastic; 2-10%, fine ; Few (2 - 10 %), , Coarse (6 -		
B11	0.64 - 0.84 n	 Brownish yellow (10YR6/7-1 10-20 mm, Angular blocky; 6mm, rounded, dispersed, 5 Coarse (6 - 20 mm), Concret 	Moist; Firm consister Sandstone, coarse fra	nce; Slightly plastic; agments; Common			
D	1.07 - 1.27 n	consistence; Moderately pla	astic; 10-20%, fine gr	avelly, 2-6mm, rour	6 ; Medium clay; Moist; Firm nded, dispersed, Sandstone, ; mm), Concretions; Field pH		

Project Name:	SC			
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Agency Name:	CSIRO D	vivision of Soils (N	ISW)	

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Strong brown (7.5YR5/7-Moist); , 2.5Y82, 20-50% ; , 10R36, 20-50% ; Medium clay; Moist; Firm consistence; Very plastic; 0-2%, coarse gravelly, 20-60mm, subrounded platy, dispersed, Substrate material, coarse fragments; Field pH 5.5 (pH meter); D 1.85 - 2.06 m

Morphological Notes

Observation Notes

GENTLY CONVEX PERMIAN SANDSTONE PLATEAU:185-206CM COUNTRY CLAY:PROFILE SHOWS FE STONEY ZONE THEN MOTTLED LAYER:

Site Notes

KIAMA/NOWRA

Project Name:	SC				
Project Code:	SC	Site ID:	C303	Observation ID:	1
Agency Name:	CSIRO Division of Soils (NSW)				

Laboratory Test Results:

Depth	рН	1:5 EC		hangeable			xchangeable	CEC	E	CEC	E	SP
m		dS/m	Ca	Mg	К	Na Cmol (+)	Acidity /kg				9	6
0 - 0.01	6A	<0.03A										
0.01 - 0.18	6.4A	<0.03A										
0.18 - 0.36	5.8A	<0.03A	0.48K	1.4	0.2	0.07	6.4E		:	8.6B		
0.36 - 0.51	5.7A	<0.03A										
0.56 - 0.64	5.8A	<0.03A	0.08K	2.9	0.15	0.16	9.3E		1	2.6B		
0.64 - 0.84	5.7A	<0.03A										
1.07 - 1.27	5.6A	<0.03A										
1.85 - 2.06	5.5A	<0.03A										
								_				
Depth	CaCO3	Organic	Avail. P	Total P	Total	Total	Bulk				nalysis	
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	CS	FS %	Silt C	Jay
0 - 0.01		2.59D							33D	49	10	7
0.01 - 0.18									31D	43	11	15
0.18 - 0.36									28D	42	8	23
0.36 - 0.51									28D	35	10	29
0.56 - 0.64		0.2D							23D	24	8	45
0.64 - 0.84									13D	26	16	45
1.07 - 1.27									22D	23	11	46
1.85 - 2.06									14D	42	18	19
Depth	COLE		Grav	/imetric/Vc	olumetric V	/ater Cont	ents		K sat		K unsat	
•		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar 15 I	Bar				
m				g/	g - m3/m3	3			mm/h	I	mm/h	
0 - 0 01												

0 - 0.01 0.01 - 0.18 0.18 - 0.36 0.36 - 0.51 0.56 - 0.64 0.64 - 0.84 1.07 - 1.27 1.85 - 2.06

Project Name:	SC		
Project Code:	SC	Site ID:	C303
Agency Name:	CSIRO	Division of Soils (N	ISW)

Observation ID: 1

Laboratory Analyses Completed for this profile

15_NR_CA 15_NR_K 15_NR_MG	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded Exch. basic cations (K++) - meq per 100g of soil - Not recorded Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
15G1_H	Hydrogen Cation - meq per 100g of soil - 1M KCI Exch. Acidity By titration to pH 8.0
15J_H	Sum of Ex. cations + Ex. acidity - Sum of basic exch. cations and exch. (Hydrogen)
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
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
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