Project SEQ Site 3 Observation 1

SALI4320

Project description

Project name:	Land Resource Assessment South East Queensland 2001
Project status:	Data is from an active project and may be subject to change through additions/updates or further quality assessment processes
Location:	South East Queensland

Site characteristics

Date described:	01/11/1994	Observation type:	Relatively undisturbed soil core
Site purpose:	Not recorded	Observation class:	Class IVa (brief mapping observation, some morphological data)
Site selection method:	Free survey site	Depth reason:	

Slope (%):	16	Morphological type:	Mid-slope
Slope type	Abney level or clinometer and tape	Landform element:	Slope
Geology:	Ipswich Coal Measures: Shale, conglomerate, sandstone, coal, siltstone, basalt, tuff	Landform pattern:	Low hills

Soil Name:	Kooralbyn(1) (Ko)	Substrate:	Mudstone
Runoff:	Rapid	Depth to free water:	No free water
Permeability:	Moderately permeable (50-500 mm/day)	Erosion:	Moderate, active, sheet erosion
Drainage:	Moderately well drained	Microrelief type:	Other
Disturbance:	Not recorded	Proportion microrelief:	Not recorded
Rock outcrop:	No bedrock exposed	Vertical interval (m):	Not recorded
Surface condition:	Hardsetting	Horizontal interval (m):	Not recorded
Surface coarse fragments:	Few (2-10%), subangular, sandstone, large pebbles (20-60 mm)	Microrelief component sampled:	Not recorded

Site location

Datum	Latitude (dd)	Longitude (dd)	Zone	Easting (m)	Northing (m)	Location accuracy (m)	Location measurement method
GDA 94	-27.76680	153.13316	56	513121	6928623	Not recorded	Orthophoto map
GDA 2020	-27.76679	153.13317	56	513122	6928624		

Soil classification

Australian Soil Classification (ASC)	Confidence	ASC Technical Reference	Buried	GSG	PPF
Red Kurosol; thick, non-gravelly, clay loamy, clayey, —	No analytical data are available but confidence is fair	Isbell (1993) Third approximation of the Australian Soil Classification	N/A		Dr3.31

Profile morphology

No	Name	Upper depth (m)	Lower depth (m)	Colour	Mottles	Textures	Structures	Coarse fragments	Segregations	Strengths	Bounds
1	A1	0	0.1	Dull yellowish brown (10YR 4/3)		Clay loam			Abundance not recorded	Dry, weak strength	Clear
2	A2j	0.1	0.32	Greyish yellow-brown (10YR 5/2) moist Light grey (10YR 7/1) dry		Clay loam			Abundance not recorded	Dry, weak strength	Sharp
3	B21	0.32	0.55	Reddish brown (5YR 4/6)		Medium clay			Abundance not recorded	Dry, very firm strength	Clear
4	B22	0.55	0.82	Light grey (2.5Y 7/1)		Medium heavy clay			Abundance not recorded	Dry, very firm strength	

Field test

pH by Raupach and Tucker method

Depth (m)	Value
0.05	6
0.3	5.5
0.6	5

Notes

Note level	Horizon name	Horizon no	Note
Site			KU AA
Observation			Site location updated by Dan Smith (20/02/17) based on aerial photo measurements and geology/landform cross checking.

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