





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:	1/11/1994	Observation type:	Relatively undisturbed soil core
Site Type:	Free survey site	Observation class:	Class IVa (brief mapping observation, some morphological data)
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:	Koorabyn(1) (Ko)	Substrate lithology:	Mudstone
Runoff:	Rapid	Depth to free water:	Not recorded
Permeability:	Moderately permeable (50-500 mm/day)	Erosion:	Moderate, active, sheet erosion
Drainage:	Moderately well drained	Microrelief type:	Other
Disturbance:	Not recorded	Proportion gilgai:	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.

Based on or contains data provided by the State of Queensland 2026. The State makes no representations or warranties in relation to the supplied data, and you agree that, to the extent permitted by law, all warranties relating to accuracy, reliability, completeness, currency or suitability for any particular purpose and all liability for any loss, damage or costs (including consequential damage) incurred in any way (including but not limited to that arising from negligence) in connection with any use of or reliance on the supplied data are excluded or limited. You agree to continually indemnify the State (including its officers and employees) against any loss, cost, expense, damage and liability of any kind (including consequential damage and liability in negligence) arising directly or indirectly from or related to any claim relating to your use of the supplied data or any product made from the supplied data.



© State of Queensland, 2026 The Queensland Government supports and encourages the dissemination and exchange of its information. The copyright in this publication is licensed under a Creative Commons Attribution 4.0 International (CC BY 4.0) licence. Under this licence you are free, without having to seek our permission, to use this publication in accordance with the licence terms. You must keep intact the copyright notice and attribute the State of Queensland as the source of the publication.