



Australian Soil Classification: Yellow Kurosol (acidic soils with an abrupt increase in clay)
Geology: Quaternary alluvium – clay, silt, sand and gravel
Landform: Level backplain of Ten Mile Creek; relief 1-2 m; slope <1%
Vegetation: Ryegrass/sub clover/phalaris improved pasture
Location: Holbrook, NSW

Soil Profile

A1, 0 – 7 cm Very dark greyish brown (10YR 3/2 moist), clay loam (30-35% clay), clear change to
A2, 7 – 25 cm Brown (10YR 5/3 moist, 10YR 5/3 dry), conspicuously bleached, loam
B2, 25+ cm Brownish yellow (10YR 6/6), medium clay

Soil Chemistry

Depth (cm)	pH (CaCl ₂)	Exchangeable cations (cmol/kg)					ECEC	Exch. Al%	Organic C (%)
		Al	Ca	Mg	K	Na			
0-5	6.0	0.16	5.39	0.88	0.41	0.25	7.1	2.3	4.20
5-10	4.6	0.44	1.88	0.28	0.13	0.08	2.8	15.6	1.69
10-15	4.3	0.66	0.89	0.16	0.13	0.07	1.9	34.6	0.96
15-20	4.4	0.56	0.57	0.12	0.11	0.05	1.4	39.7	0.43
20-30	4.4	0.55	0.75	0.20	0.14	0.06	1.7	32.4	0.32
30-40	4.5	0.48	2.87	1.46	0.38	0.23	5.4	8.9	-