

Soil landform map unit: LHSy4: Low hills on Ordovician sediments, type 4, northern footslopes

Component: 2

Land element: Gentle to moderate mid slopes



Soils	General description	ASC	PPF
Major	Yellow/grey and brown texture contrast soil	Brown Sodosol/ Brown Chromosol	Dy3.42

Physical characteristics:

Horizon	Depth (cm)	Representative profile description Site ID: NELRA 262 (W16)
A1	0-10	Dark grey (10YR4/1) loam with sand; moderate subangular blocky structure; ped sizes 2-50 mm; rough fabric; weak consistence when dry; few fine subrounded sedimentary fragments; pH 5.7; clear transition to:
A2	10-20	Light brownish grey (2.5Y6/2) conspicuously bleached (2.5Y8/2) when dry, clay loam with silt; massive structure; earthy fabric; firm consistence when dry; few fine subrounded sedimentary fragments; pH 6.0; clear transition to:
B21	20-65	Brown (10YR5/3) light medium clay; strong prismatic and angular blocky structure; ped sizes 2-100 mm; smooth faced fabric; firm consistence when moist; many distinct coarse dark red and brown mottles; pH 6.0; clear transition to:
B22	65-100	Dark grey (10YR4/1) medium clay; strong prismatic and angular blocky structure; ped sizes 2-100 mm; smooth faced fabric; very firm consistence when moist; pH 6.5; clear transition to:
D	100-140+	Weathered base material



Chemical characteristics:

Horizon	pH	Salinity (EC)	Internal drainage	Sodicity	Slaking	Dispersion
A1	Strongly acid	Low	N/A	Non sodic	Slaking	Low
A2	Moderately acid	Very low	N/A	Non sodic	Slaking	High
B21	Moderately acid	Very low	N/A	Sodic	Slaking	High
B22	Neutral	Very low	N/A	Sodic	Slaking	Moderate