

Soil landform map unit: LHSy3; Low hills on Carboniferous sediments, type 3

Component: 3

Land element: Valley flat or drainage depression



Soils	General description	ASC	PPF
Major	Yellow texture contrast soils	Brown Sodosol; thick, non gravelly, silty, clayey, very deep	Dy3.42
Minor	Yellow texture contrast soils, yellow gradational soils	Brown Sodosol	Dy3.22

Physical characteristics:

Horizon	Depth (cm)	Representative profile description Site ID: NELRA 40
A1	0-25	Greyish brown (10YR5/2) silty clay loam; moderate subangular blocky structure; rough fabric; very weak consistence; pH 7.0; clear transition to:
A2	25-50	Light brownish grey (10YR6/2) light clay; weak subangular blocky structure; very weak consistence; pH 7.0; gradual transition to:
B21	50-65	Light brownish grey (10YR5/3) medium clay; moderate subangular blocky structure; very weak consistence; pH 6.5; gradual transition to:
B22	65-200+	Very dark grey (7.5YR3/1) medium heavy clay; strong subangular blocky structure; weak consistence; pH 8.0

Chemical characteristics:

Horizon	pH	Salinity (EC)	Internal drainage	Sodicity	Slaking	Dispersion
A1	Moderately acid	Very low	Well drained	N/A	Non slaking	Very low
A2	Strongly acid	Moderate	Poorly drained	N/A	Non slaking	Very low
B21	Moderately acid	Very low	Poorly drained	N/A	Slaking	Low
B22	Moderately alkaline	Very low	Poorly drained	N/A	Slaking	Low