

Soil landform map unit: LHSy1; Low hills on Ordovician sediments, type 1, Myrree / Carboor

Component: 2

Land element: Moderate to gentle hill slopes



Soils	General description	ASC	PPF
Major	Red and brown gradational soils	Red Kandosol	Gn3.16
Minor	Red and brown texture contrast and gradational soils	Brown Kandosol, Grey Sodosol	Gn2.11, Dy3.42

Physical characteristics:

Horizon	Depth (cm)	Representative profile description Site ID: NELRA 20
A1	0-10	Brown (7.5YR4/2) clay loam; weak structure; strong consistence when dry; few subangular quartz fragments; pH 6.0; gradual transition to:
A2	10-20	Brown (7.5YR4/4) light clay; massive structure; strong consistence when dry; common sub-rounded quartz fragments; pH 6.0; clear transition to:
B21	20-45	Reddish brown (5YR5/4) light clay; weak structure; very strong consistence when dry; few sub-rounded quartz fragments; pH 8.0; gradual transition to:
B22	45-70	Yellowish brown (10YR5/4) heavy clay; massive structure; very strong consistence when dry; many manganiferous nodules; pH 8.5; distinct transition to:
B23	70-140	Yellowish brown (10YR5/4) heavy clay; massive structure; very strong consistence when dry; many distinct brown mottles; many manganiferous nodules; carbonate evident; pH 9.0; clear transition to:
C	140-150+	Yellowish red (5YR4/6) medium clay; very firm consistence when dry; many distinct brown mottles



Chemical characteristics:

Horizon	pH	Salinity (EC)	Internal drainage	Sodicity	Slaking	Dispersion
A1	Moderately acid	Very low	Well	N/A	Non slaking	Very low
A2	Moderately acid	Very low	Moderately well	N/A	Slaking	Low
B21	Neutral	Very low	Moderate	N/A	Slaking	Low
B22	Alkaline	Very low	Poorly	N/A	Slaking	Low
B23	Alkaline	Very low	Poorly	N/A	Slaking	Low