

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

Component: 2

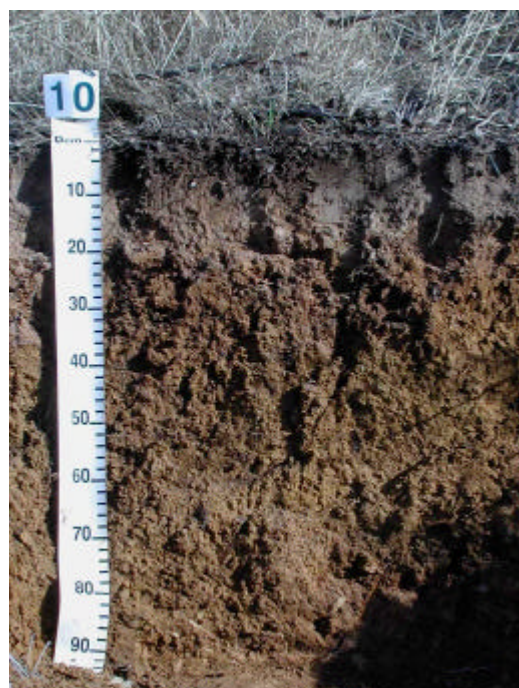
Land element: Gentle to moderate hill slopes



Soils	General description	ASC	PPF
Major	Brown texture contrast soils with bleached A2 horizons and mottled subsoils	Yellow Chromosol	Dy3.22
Minor	Red texture contrast soils	Red Chromosol, Brown Chromosol	Dr2.21, Dy3.42

Physical characteristics:

Horizon	Depth (cm)	Representative profile description Site ID: NELRA 256
A1	0-5	Dark greyish brown (10YR4/2) loam; weak subangular blocky structure; rough fabric; very weak consistence; slight gravel; pH 6.5; clear transition to:
A2	5-20	Light brown (7.5YR6/4) sandy clay loam; massive; earthy fabric; strong consistence; slight gravel; pH 6.5; gradual transition to:
B21	20-50	Brown (7.5YR5/6) medium clay; strong angular blocky structure; smooth fabric; strong consistence; slight gravel; pH 6.5; few red mottles; diffuse transition to:
B22	50-90+	Brown (10YR5/6) medium clay; strong angular blocky structure; smooth fabric; very strong consistence; slight gravel; common red mottles; pH 6.5



Chemical characteristics:

Horizon	pH	Salinity (EC)	Internal drainage	Sodicity	Slaking	Dispersion
A1	Moderately acid	Very low	Rapidly drained	Non sodic	Non slaking	Very low
A2	Moderately acid	Very low	Imperfectly drained	Non sodic	Non slaking	Low
B21	Moderately acid	Very low	Imperfectly drained	Non sodic	Slaking	Low
B22	Moderately acid	Very low	Poorly drained	Non sodic	Slaking	Low