

Soil landform map unit: LHSy2; Low hills on Permian sediments, type 2

Component: 1

Land element: Broad hill crests (residual hill cappings)



Soils	General description	ASC	PPF
Major	Red texture contrast soils	Red Chromosol	Dr2.12
Minor	Red gradational soils and weakly bleached, red texture contrast soils	Red Dermosol, Red Chromosol	Um, Gn4.51, Dr2.21

Physical characteristics:

Horizon	Depth (cm)	Representative profile description Site id: NELRA 33
A11	0-10	Brown (7.5YR4/2) loam, fine sandy; weak to moderate subangular blocky structure; rough ped fabric; weak consistence; gravelly; pH 6.0; clear transition to:
A12	10-18	Dark red (5YR3/6) sandy clay loam, weak to moderate subangular blocky structure; rough ped fabric; weak consistence; gravelly; pH 6.0; clear transition to:
A13	18-25	Red (5YR4/6) silty clay loam; moderate subangular blocky structure; rough ped fabric; weak consistence; gravelly; pH 6.5; clear transition to:
B2	25-60	Dark red (10R3/6) medium clay; moderate subangular blocky structure; rough ped fabric; strong consistence; gravelly; pH 7.0; clear transition to:
B3/C	60-65+	Red (10R3/6) medium clay; moderate subangular blocky structure; rough ped fabric; strong consistence; gravelly; brownish-yellow mottles; pH 7.0

Chemical characteristics:

Horizon	pH	Salinity (EC)	Internal drainage	Sodicity	Slaking	Dispersion
A11	Strongly acid	Very low	Rapidly drained	N/A	Non slaking	Low
A12	Strongly acid	Very low	Well drained	N/A	Non slaking	Low
A13	Moderately acid	Very low	Well drained	N/A	Slaking	Moderate
B2	Moderately acid	Very low	Imperfectly drained	N/A	Slaking	Low
B3/C	Moderately acid	Very low	Imperfectly drained	N/A	Slaking	Low