

Soil landform map unit: HSs3; Hills on Ordovician schist, type 3, Upper Murray Valley

Component: 3

Land element: Gentle slopes in lower landscape positions



Soils	General description	ASC	PPF
Major	Brown and red gradational soils.	Red Dermosol	Gn4.2
Minor	Brown to yellowish red duplex soils	Brown Chromosols	Db

Physical characteristics:

Horizon	Depth (cm)	Representative profile description Site ID: NELRA 245 (UM45)
A1	0-15	Brown (7.5YR4/3) fine sandy clay loam; weak blocky structure; ped sizes 10-20 mm, rough ped fabric; firm consistence when moderately moist; few fine subrounded gravels; pH 5.5; sharp transition to:
A2	15-30	Yellowish red (5YR5/6) when moist, bleached pink (7.5YR7/4) when dry, sandy clay loam; weak blocky and polyhedral structure; ped sizes 20-50 mm, rough ped fabric; firm consistence when moderately moist; very few fine subrounded gravels; few faint orange organic staining; pH 5.5; gradual transition to:
B1	30-50	Yellowish red (5YR4/6) light clay; moderate subangular blocky structure; ped sizes 10-20 mm, rough ped fabric; weak consistence when moderately moist; few faint yellow mottles; pH 6.0; gradual transition to:
B21	50-95	Red (2.5YR4/6) light medium clay; weak blocky and strong polyhedral structure; smooth ped fabric; firm moderately moist consistence when moderately moist; pH 6.5; gradual transition to:
B22	95-110	Dark red (2.5YR3/6) light medium clay; strong platy and polyhedral structure; ped sizes 2-50 mm, smooth ped fabric; weak consistence when moderately moist; yellow prominent mottles common; pH 7.0; abrupt transition to:
B31	110-120	Dark red (2.5YR3/6) sandy clay; strong subangular blocky structure; ped sizes 2-5mm, smooth ped fabric; weak consistence when moderately moist; abundant subrounded gravels; common distinct pale yellow mottles; pH 7.0; abrupt transition to:
B32	120-170+	Dark red (2.5YR3/6) sandy clay; strong subangular blocky structure; ped sizes 2-5mm, smooth ped fabric; weak consistence when moderately moist; common distinct pale yellow mottles; pH 7.0



Chemical characteristics:

Horizon	pH	Salinity (EC)	Internal drainage	Sodicity	Slaking	Dispersion
A1	Strongly acid	Non saline	Well	Non sodic	Non slaking	Nil
A2	Strongly acid	Non saline	Well	Non sodic	Slaking	Nil
B1	Strongly acid	Non saline	Moderately	Non sodic	Slaking	Nil
B21	Moderately acid	Non saline	Moderately	Non sodic	Slaking	Nil
B22	Moderately acid	Non saline	Imperfectly	Non sodic	Slaking	Nil
B31	Moderately acid	Non saline	Imperfectly	Non sodic	Slaking	Nil
B32	Moderately acid	Non saline	Imperfectly	Non sodic	Slaking	Nil