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Soil landform map unit: HSy1; Hills on Ordovician sediments, type 1, Upper Murray Valley **Component:** 3

Land element: Gentle footslopes

Soils	General description	ASC	PPF
Major	Red and yellowish brown texture contrast soils	Red Kurosol	Dr2.21
Minor	Red and yellowish brown gradational soils	Red Dermosol, Brown Dermosol, Yellow Sodosol	Gn2.64, Gn2.74, Dy2.21

Physical characteristics:

Horizon	Depth (cm)	Representative profile description Site ID: NELRA 242 (UM42)
A1	0-10	Brown (7.5YR4/3) loam; weak subangular blocky structure; ped sizes 10-20 mm; rough ped fabric; firm consistence when moderately moist; few fine sized angular platy fragments; pH 5.5; clear transition to:
A2	10-30	Strong brown (7.5YR4/6) when moist, bleached reddish yellow (7.5YR6/6) when dry, clay loam; moderate angular blocky structure; ped sizes 20-50mm, rough ped fabric; weak consistence when moderately moist; few fine sized angular platy fragments; pH 5.5; gradual transition to:
B21	30-50	Yellowish red (5YR4/6) light clay; moderate to strong polyhedral structure; ped sizes 2-20 mm; weak consistence when moderately moist; many fine angular platy fragments; pH 5.5; gradual transition to:
B22	50-120	Red (2.5YR4/8) light clay; strong polyhedral structure; ped sizes 5-10 mm, smooth ped fabric; weak consistence when moderately moist; common fine angular platy fragments; pH 5.75; clear transition to:
B3	120-155+	Red (2.5YR4/6) light clay; abundant medium sized angular platy coarse fragments; pH 5.5

Chemical characteristics:

Horizon	pH	Salinity (EC)	Internal drainage	Sodicity	Slaking	Dispersion
A1	Strongly acid	Low	Moderately well	Non sodic	Non slaking	Nil
A2	Strongly acid	Very low	Moderate	Non sodic	Non slaking	Nil
B21	Strongly acid	Very low	Moderate	Non sodic	Slaking	Nil
B22	Strongly acid	Very low	Moderate	Non sodic	Slaking	Nil
B3	Strongly acid	Very low	Moderate	Non sodic	Slaking	Nil