

**Soil landform map unit:** LHSy4: Low hills on Ordovician sediments, type 4, northern footslopes

**Component:** 1

**Land element:** Upper and mid slopes



Soils	General description	ASC	PPF
Major	Red texture contrast soil, hardsetting A horizons, gravelly	Red Kurosol	Dr2.11
Minor	Stony loam, red gradational soil	Red and Brown Dermosol	Gn4.11/4

**Physical characteristics:**

Horizon	Depth (cm)	Representative profile description: Site ID: NELRA 261 (W15)
A1	0-5	Dark reddish grey (5YR4/2) loam with sand, strongly water repellent; strong subangular blocky structure; peds 2-20 mm; rough fabric; firm consistence when dry; many medium size subangular sedimentary coarse fragments; pH 6.0; clear transition to:
A2	5-25	Reddish brown (5YR5/4) light clay; moderate subangular blocky structure; peds 2-20 mm; rough fabric; firm consistence when dry; many medium size subangular sedimentary coarse fragments; pH 5.0; clear transition to:
B2	25-55	Reddish brown (2.5YR4/6) light medium clay; strong angular blocky structure; peds 2-20 mm; rough fabric; weak consistence when moderately moist; medium and coarse size subangular sedimentary fragments are common; pH 5.0; gradual transition to:
BC	55-140	Weathered parent material



**Chemical characteristics:**

Horizon	pH	Salinity (EC)	Internal drainage	Sodicity	Slaking	Dispersion
A1	Strongly acid	Very low	Well	Non sodic	Non slaking	Low
A2	Strongly acid	Very low	Well	Non sodic	Slaking	Low
B2	Strongly acid	Very low	Well	Non sodic	Slaking	Low