

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

**Component:** 3

**Land element:** Footslopes



Soils	General description	ASC	PPF
Major	Weak to moderately structured brown texture contrast soils, some with bleached A2 horizons	Brown Chromosol	Dy3.12

**Physical characteristics:**

Horizon	Depth (cm)	Representative profile description Site ID: NELRA 34
A1	0-5	Dark brown (10YR3/3) fine sandy loam; fine gravel; weak subangular blocky structure, rough ped fabric; weak consistence; pH 6.0; abrupt transition to:
A2	5-20	Brown (10YR4/3) loam fine sandy; gravelly; massive, earthy fabric; firm consistence; pH 6.0; abrupt transition to:
B1	20-35	Brown (10YR4/3) light medium clay; gravelly; moderate subangular blocky structure; rough ped fabric, very firm consistence; many medium red mottles; pH 6.0; abrupt transition to:
B21	35-70	Brown (7.5YR5/4) medium heavy clay, gravelly; strong subangular blocky structure; smooth ped fabric, firm consistence; many medium red mottles; pH 7.0; clear transition to:
B22	70-110+	Brownish yellow (10YR6/6) heavy clay; gravelly; weak to moderate subangular blocky structure; smooth ped fabric; very strong consistence, pH 7.5

**Chemical characteristics:**

Horizon	pH	Salinity (EC)	Internal drainage	Sodicity	Slaking	Dispersion
A1	Moderately acid	Very low	Rapidly drained	N/A	Non slaking	Very low
A2	Moderately acid	Very low	Moderately well drained	N/A	Non slaking	Very low
B1	Moderately acid	Very low	Poorly drained	N/A	Slaking	Very low
B21	Neutral	Very low	Very poorly drained	N/A	Slaking	Low
B22	Moderately alkaline	Very low	Very poorly drained	N/A	Slaking	Low