

Soil landform map unit: ALF1; Alluvial fan, type 1, Reedy Creek

Component: 2

Land element: Terrace flat or valley flat



Soils	General description	ASC	PPF
Major	Brown texture contrast soils	Brown Sodosol	Dy3.43
Minor	Brown and grey loam soils	Leptic Tenosol	Uc, Um

Physical characteristics:

Horizon	Depth (cm)	Representative profile description Site ID: NELRA 249
A1	0-20	Dark greyish brown (10YR4/2) silty loam; strong prismatic and sub angular blocky structure; rough ped fabric; firm consistence; pH 5.0; clear transition to:
A2	20-40	Pale brown (10YR6/3) or very pale brown (10YR8/3) when dry, fine sandy loam; massive; earthy fabric; weak consistence; pH 6.0; abrupt transition to:
B1	40-55	Yellowish brown (10YR5/4) light clay; weak prismatic structure; rough ped fabric; very firm consistence; common (15%) fine grey faint mottled; pH 7.0; clear transition to:
B2	55-85	Light olive brown (2.5Y5/4) light medium clay; moderate prismatic and angular blocky structure; smooth ped fabric; very firm consistence; common (15%) medium brown distinct mottled; pH 8.5; gradual transition to:
B3/C	85-120	Yellowish brown (10YR5/4) loamy sand; weak prismatic structure; rough ped fabric; firm consistence; common (15%) medium grey distinct mottled; pH 8.5; clear transition to:
C	120-130+	Light brownish grey (10YR6/2) loamy sand; massive; earthy fabric; weak consistence; common (15%) medium yellowish brown distinct mottled; pH 8.5



Chemical characteristics:

Horizon	pH	Salinity (EC)	Internal drainage	Sodicity	Slaking	Dispersion
A1	Strongly acid	Very low	Well drained	Non sodic	Non slaking	Very low
A2	Moderately acid	Very low	Poorly drained	Sodic	Slaking	Low
B1	Neutral	Very low	Poorly drained	Sodic	Slaking	High
B2	Strongly alkaline	Very low	Poorly drained	Sodic	Slaking	Very high
B3/C	Strongly alkaline	Low	Well drained	Sodic	Slaking	Very high
C	Strongly alkaline	Very low	Well drained	Sodic	Slaking	Very high