

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

**Component:** 1

**Land element:** Plain



| Soils | General description   | ASC           | PPF    |
|-------|---|---------------|--------|
| Major | Red texture contrast soils with bleached A2 horizons              | Red Sodosol   | Dr3.22 |
| Minor | Yellow and brown texture contrast soils with bleached A2 horizons | Brown Sodosol | Dy3.43 |

**Physical characteristics:**

| Horizon | Depth (cm) | Representative profile description<br>Site ID: NELRA 250   |
|---------|------------|--|
| A1      | 0-5        | Dark yellowish brown (10YR4/4) fine sandy loam; weak platy structure; rough ped fabric; firm consistence; slightly gravelly; pH 5.0; clear transition to:              |
| A2      | 5-25       | Dark yellowish brown (10YR4/4) loam, fine sandy; massive; earthy fabric; very firm consistence; slightly gravelly; pH 6.0; clear transition to:                        |
| B21     | 25-55      | Red (2.5YR4/6) light medium clay; moderate prismatic structure; rough ped fabric; strong consistence; slightly gravelly; pH 7.0; gradual transition to:                |
| B22     | 55-95      | Reddish brown (2.5YR5/4) medium clay; moderate prismatic structure; rough ped fabric; strong consistence; slightly gravelly; pH 7.0; clear transition to:              |
| B23     | 95-125     | Strong brown (7.5YR5/6) medium clay; massive; earthy fabric; strong consistence; gravelly; many red-brown mottles; pH 7.0; clear transition to:                        |
| B24     | 125-150    | Brown (7.5YR5/4) medium clay; strong columnar, prismatic and angular blocky structure; smooth ped fabric; strong consistence; gravelly; many red-brown mottles; pH 7.0 |



Chemical characteristics:

| Horizon | pH              | Salinity (EC) | Internal drainage       | Sodicity  | Slaking | Dispersion |
|---------|-----------------|---------------|-------------------------|-----------|---------|------------|
| A1      | Strongly acid   | Very low      | Moderately well drained | Sodic     | Slaking | Low        |
| A2      | Moderately acid | Very low      | Moderately well drained | Sodic     | Slaking | Low        |
| B21     | Neutral         | Very low      | Moderately well drained | Sodic     | Slaking | Low        |
| B22     | Neutral         | Very low      | Moderately well drained | Sodic     | Slaking | Low        |
| B23     | Neutral         | Very low      | Poorly drained          | Sodic     | Slaking | High       |
| B24     | Neutral         | Very low      | Poorly drained          | Non sodic | Slaking | Low        |