

Soil landform map unit: ALP1; Alluvial plain with prior stream channels, associated with the Ovens River

Component: 3

Land element: Drainage depression or swamp



| Soils | General description | ASC | PPF |
|-------|---------------------------|----------------|--------|
| Major | Black cracking clay soils | Black Vertosol | Ug5.11 |
| Minor | Grey cracking clay soils | Grey Vertosol | Ug |

Physical characteristics:

| Horizon | Depth (cm) | Representative profile description Site ID: NELRA 3 |
|---------|------------|--|
| A1 | 0-10 | Very dark greyish brown (10YR3/2) light clay; moderate subangular blocky structure; rough fabric, firm consistence; pH 6.5; clear transition to: |
| B2 | 10-100 | Black (10YR2/1) medium clay; strong subangular blocky structure, smooth fabric, strong consistence, pH 8.0; abrupt transition to: |
| D1 | 100-120 | Grey (7.5YR6/1) silty clay loam; weak subangular blocky structure; smooth fabric, very strong consistence; pH 8.5; minor calcium carbonate nodules; clear transition to: |
| D2 | 120-130+ | Grey (10YR6/1) fine sandy clay loam; ; weak subangular blocky structure; smooth fabric, very strong consistence; pH 8.5; minor calcium carbonate nodules |

Chemical characteristics:

| Horizon | pH | Salinity (EC) | Internal drainage | Sodicity | Slaking | Dispersion |
|---------|-------------------|---------------|---------------------|----------|-------------|------------|
| A1 | Slightly acid | Very low | Poorly drained | N/A | Non slaking | Very low |
| B2 | Slightly alkaline | Very low | Very poorly drained | N/A | Slaking | High |
| D1 | Slightly alkaline | Very low | Very poorly drained | N/A | Slaking | Very high |
| D2 | Alkaline | Very low | Very poorly drained | N/A | Slaking | High |