

Soil landform map unit: PHGn; Plateaux on gneiss hills, Big Ben

Component: 1

Land element: Upper, mid and lower slopes



| Soils | General description | ASC | PPF |
|-------|---|---------------------------------|----------|
| Major | Friable, weakly structured, red gradational soils, occasionally brown | Acidic, Eutrophic, Red Kandosol | Gn2.11/4 |
| Minor | Friable, structured, red gradational soils | Red Dermosol | Gn4.11/4 |

Physical characteristics:

| Horizon | Depth (cm) | Representative profile description Site ID: Kiewa 228 |
|---------|------------|---|
| A11 | 0-8 | Very dark brown (10YR2/2) organic fine sandy loam; moderate subangular blocky structure; firm consistence when dry; slightly gravelly; pH 5.2; clear transition to: |
| A12 | 8-15 | Dark greyish brown (10YR3/2) organic sandy clay loam; weak to moderate subangular blocky structure; firm consistence when moist; gravelly; pH 5.2; clear transition to: |
| A3/B1 | 15-40 | Yellowish red (5YR 3/6) sandy clay loam; weak to moderate subangular blocky structure; firm consistence when slightly moist; pH 5.0; gradual transition to: |
| B21 | 40-60 | Dark red (2.5YR 3/6) light clay; weak subangular blocky structure; strong consistence when dry; gravelly; pH 5.3; gradual transition to |
| B22 | 60-130+ | Dark red (2.5YR 3/6) light clay; apedal; very firm consistence when dry; slightly gravelly; pH 5.3 |



Chemical characteristics:

| Horizon | pH | Salinity (EC) | Internal drainage | Sodicity | Slaking | Dispersion |
|---------|-------------------|---------------|-------------------|----------|-------------|------------|
| A11 | Moderately acidic | Very low | Rapid | Very low | Non slaking | Very low |
| A12 | Moderately acidic | Very low | Well | Very low | Non slaking | Very low |
| A3/B1 | Moderately acidic | Very low | Well | Very low | Slaking | Low |
| B21 | Moderately acidic | Very low | Moderately well | Very low | Slaking | Low |
| B22 | Strongly acidic | Very low | Moderately well | Very low | Slaking | Low |