

**Soil landform map unit:** PHSy; Plateaux on sedimentary hills,  
High Plains

**Component:** 2

**Land element:** Hillslopes on colluvium, alluvium



Soils	General description	ASC	PPF
Major	Friable, structured red gradational soils	Acidic, Dystrophic, Red Dermosol	Gn4.11/4
Minor	Friable, weakly structured red gradational soils, occasionally brown	Red and Brown Kandosol	Gn2.11/4, Gn2.4.1

**Physical characteristics:**

Horizon	Depth (cm)	Representative profile description Site ID: Kiewa 342
A1	0-8	Dark greyish brown (10YR3/2) organic loam; weak subangular blocky structure; firm consistence when dry; gravelly; pH 5.2; clear transition to:
B1/A2	8-20	Yellowish red (5YR 3/6) clay loam; moderate subangular blocky structure; firm consistence when slightly moist; pH 5.0; gradual transition to:
B21	20-90	Dark red (2.5YR 3/6) light clay; moderate subangular blocky structure; strong consistence when slightly moist; gravelly; pH 5.3; gradual transition to:
B22	90-180	Dark red (2.5YR 3/6) light clay; moderate subangular blocky structure; very firm consistence when dry; slightly gravelly; pH 5.3; abrupt transition to:
C	180+	Weathered Palaeozoic sediments

**Chemical characteristics:**

Horizon	pH	Salinity (EC)	Internal drainage	Sodicity	Slaking	Dispersion
A1	Strongly acidic	Very low	Rapid	Very low	Non slaking	Very low
B1	Strongly acidic	Very low	Well drained	Very low	Slaking	Low
B21	Strongly acidic	Very low	Well drained	Very low	Slaking	Low
B22	Strongly acidic	Very low	Moderately well drained	Very low	Slaking	Low