

**Soil landform map unit:** FLP3; Floodplain, type 3, upper river valleys

**Component:** 1

**Land element:** Flat; lower reach floodplain



Soils	General description	ASC	PPF
Major	Friable brown loams and earths	Grey/Brown/Black Dermosols	Gn4.51, Um6.21, Um6.22
Minor	Brown and grey gradational soils and minor grey & brown texture contrast soils	Brown Dermosols and Grey Kandosols, Grey and Brown Chromosols	Gn3.21, Gn2.91, Dy2.11, Dy3.12

**Physical characteristics:**

Horizon	Depth (cm)	Representative profile description Site ID: NELRA 269 (W 23)
A1	0-30	Very dark grey (10YR3/1); organic heavy clay loam; strong angular blocky structure; pH 6.0; clear transition to:
B1	30-65	Dark grey (10YR4/1); light silty clay; strong prismatic parting to subangular blocky structure; firm consistence when dry; pH 5.7; gradual transition to:
B2	65-100	Dark grey (2.5Y4/1), mottled; light medium clay, silty; strong columnar parting to prismatic structure; strong consistence when slightly moist; few manganese segregations; pH 6.0; gradual transition to:
B3	100-145+	Greyish brown (10YR5/2); mottled; light medium clay, fine sandy; weak columnar parting to prismatic structure; firm consistence when slightly moist; few manganese segregations; pH 7.0



**Chemical characteristics:**

Horizon	pH	Salinity (EC)	Internal drainage	Sodicity	Slaking	Dispersion
A1	Strongly acidic	Very low	Well	Non sodic	Non slaking	Very low
B1	Moderately acidic	Very low	Moderately well	Non sodic	Slaking	Low
B2	Moderately acidic, neutral	Very low	Imperfect	Non sodic	Slaking	Low
B3	N/A	N/A	Imperfect	Non sodic	N/A	N/A