

Soil landform map unit: FLP1; Floodplain, type 1, Murray River

Component: 1

Land element: Flat; close to river



Soils	General description	ASC	PPF
Major	Brown loams and gradational soils, generally friable	Brown Dermosol	Um5.52
Minor	Grey and brown gradational soils, grey and brown texture contrast soils	Grey Kandosol	Uf4.2

Physical characteristics:

Horizon	Depth (cm)	Representative profile description Site ID: NELRA 199
A1	0-25	Very dark greyish brown (10YR3/2) organic light clay loam; moderate prismatic parting to angular blocky structure; rough ped fabric; weak consistence when moist; pH 6.0; clear transition to:
B21	25-70	Brown (10YR5/3) fine sandy clay loam; moderate prismatic structure; firm consistence when moist; common brown to greyish brown mottles; pH 5.7; gradual transition to:
B22	70-100	Yellowish brown (10YR5/4) fine sandy clay loam, silty; strong columnar parting to prismatic structure; firm consistence when slightly moist; common brown to greyish brown mottles; pH 6.2; gradual transition to:
1B21	100-130	Yellowish brown (10YR5/4) loam fine sandy; massive; very weak consistence when slightly moist; many brown to yellowish brown mottles; pH 6.5; gradual transitional to:
1B22	130-175 +	Yellowish brown (10YR5/4) loam fine sandy; massive; very weak consistence when slightly moist; many dark yellowish brown mottles; pH 6.0



Chemical characteristics:

Horizon	pH	Salinity (EC)	Internal drainage	Sodicity	Slaking	Dispersion
A1	Moderately acid	Very low	Well	Non sodic	Non slaking	Very low
B21	Moderately acid	Very low	Well	Non sodic	Slaking	Low
B22	Moderately acid	Very low	Moderately well	Non sodic	Slaking	Low
1B21	Moderately acid	Very low	Moderately well	Non sodic	Slaking	Moderate
1B22	Moderately acid	Very low	Imperfect	Non sodic	Slaking	Moderate