

Soil landform map unit: ALP3; Alluvial plain, type 3, broad river valleys **Component:** 1

Land element: Elevated plains and alluvial terraces



Soils	General description	ASC	PPF
Major	Yellowish brown gradational soil	Brown Dermosol	Gn4.8

Physical characteristics:

Horizon	Depth (cm)	Representative profile description Site ID: NELRA 54 (Co10)
A1	0-10	Dark brown (10YR3/3) fine sandy clay loam; weak subangular blocky structure; ped sizes 5-10 mm; rough fabric; weak consistence; pH 5.2; abrupt smooth transition to:
A12	10-20	Dark yellowish brown (10YR3/4) fine sandy clay loam; weak subangular blocky structure; ped sizes 10-20 mm; rough fabric; very weak consistence; pH 5.1; clear wavy transition to:
B1	20-45	Dark yellowish brown (10YR4/6) sandy clay loam; moderate polyhedral structure; ped sizes 10-20 mm; rough fabric; firm consistence; pH 5.5; gradual smooth transition to:
B21	45-70	Dark yellowish brown (10YR4/6) sandy clay loam; moderate polyhedral structure; ped size 5-10 mm; rough fabric; very weak consistence; pH 5.8; gradual wavy transition to:
B22	70-95	Brownish yellow (10YR6/6) sandy clay loam; weak polyhedral structure; ped size 5-10 mm; rough fabric; many faint light yellowish brown fine mottles; clear wavy transition to:
B/C	95-120	Light grey (2.5Y7/2) fine sandy clay; weak subangular blocky structure; ped size 5-10 mm; rough fabric; many prominent yellowish brown medium sized mottles; pH 6.5; clear wavy transition to:
C	120-150+	Light yellowish brown (2.5Y6/2) sand; single grained sandy structure; pH 6.8



Chemical characteristics:

Horizon	pH	Salinity (EC)	Internal drainage	Sodicity	Slaking	Dispersion
A1	Strongly acid	Very low	Moderately well drained	Non sodic	Water stable	Nil
B21	Strongly acid	Very low	Moderately well drained	Non sodic	Partial	Nil
B/C	Slightly acid	Very low	Imperfectly drained	Non sodic	Partial	Slight