

Soil landform map unit: ALP6; Alluvial plain, type 6, narrow upper river valleys

Component: 1

Land element: Elevated plains and alluvial terraces



Soils	General description	ASC	PPF
Major	Brown to brownish red gradational soils	Red Dermosol	Gn3.14

Physical characteristics:

Horizon	Depth (cm)	Representative profile description Site ID: Tallang Valley 25
A1	0-15	Very parting to moderate fine blocky structure; firm consistence when moist; pH 5.6; clear transition to:
A2	15-30	Strong brown (7.5YR4/6) with brown (7.5YR4/4) mixing due to worm activity; fine sandy clay loam; moderate coarse blocky to moderate fine blocky structure; firm consistence when moist; pH 5.7; clear transition to:
B21	30-50	Yellowish red (5YR4/6) clay loam (fine sandy); moderate medium blocky to strong fine blocky structure; firm consistence when moist; pH 6.0; gradual transition to:
B22	50-70	Yellowish red (5YR4/6) fine sandy light clay; moderate medium blocky to strong fine blocky structure; firm consistence when moist; pH 6.0; gradual transition to:
B23	70-85	Yellowish red (5YR5/8) light clay; moderate medium blocky to moderate fine blocky structure; firm consistence when moist; pH 6.1; clear transition to:
B31	85+	Strong brown (7.5YR5/6) light clay; moderate medium blocky to moderate fine blocky structure; weak consistence when moist; contains soft manganese segregations at 90 cm; pH 6.4



Chemical characteristics

Horizon	pH	Salinity (EC)	Internal drainage	Sodicity	Slaking	Dispersion
A1	Moderately acid	Very low	Well	Non sodic	Non slaking	Nil
A2	Moderately acid	Very low	Moderately well	Non sodic	Non slaking	Nil
B21	Moderately acid	Very low	Moderately well	Non sodic	Slaking	Nil
B31	Slightly acid	Very low	Moderately well	Non sodic	Slaking	Nil