

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

**Component:** 2

**Land element:** Recent alluvial plain



Soils	General description	ASC	PPF
Major	Black and grey cracking clays	Black and grey Vertosol	Ug 5.28

**Physical characteristics:**

Horizon	Depth (cm)	Representative profile description Site ID: NELRA46 (Co1)
A1	0-15	Very dark grey (10YR3/1) light clay; moderate subangular blocky structure; large surface cracks in dry conditions; ped size 5-10 mm, earthy fabric; firm consistence; very few rounded medium to large size pebbles; pH 5.2; abrupt wavy transition to:
B21	15-25	Black (5YR2.5/1) medium clay; moderate prismatic structure; ped sizes 2-5 mm & 10-20 mm; earthy fabric; very firm consistence; pH 5.5; clear wavy transition to:
B22	25-100	Black (Gley1 2.5/N) medium heavy clay; strong angular blocky structure; peds size 20-50 mm; smooth fabric; firm consistence; pH 8.4; gradual wavy transition to:
B23	100-160	Black (10YR2/1) medium clay; moderate/strong prismatic as well as strong polyhedral structure; ped size 5-100 mm; smooth fabric; firm consistence; root channels mottling present; pH 7.5; light sandy clay loam and light medium clay lenses appear as anomalies within the lower horizon around 140 - 160 cm



**Chemical characteristics:**

Horizon	pH	Salinity (EC)	Internal drainage	Sodicity	Slaking	Dispersion
A1	Strongly acid	Very low	Moderately well drained	Non sodic	Nil	Nil
B21	Strongly acid	Very low	Imperfectly drained	Non sodic	Nil	Nil
B23	Slightly alkaline	Very low	Poorly drained	Non sodic	Nil	Nil