

Soil landform map unit:

ALP5; Alluvial plain, type 5

Component: 3

Land element:

Depressions



Soils	General description	ASC	PPF
Major	Brown/yellow and grey texture contrast (sodic) soils	Yellow Sodosol	Dy2.43

Physical characteristics:

Horizon	Depth (cm)	Representative profile description Site ID: NELRA 197
A1	0-5	Greyish brown (10YR4/3) loam, fine sandy; slightly hydrophobic; weak polyhedral structure; rough ped fabric; firm dry consistence; few ferromanganiferous concretions; pH 6.0; abrupt transition to:
A2	5-30	Pale brown (10YR6/3), bleached (10YR8/2) sandy loam; massive; earthy fabric; weak slightly moist consistence; common ferromanganiferous concretions; pH 6.0; clear transition to:
A3/B1	30-45	Light yellowish brown (10YR6/4); few red mottles; fine sandy clay loam; weak polyhedral structure; rough ped fabric; firm slightly moist consistence; many manganiferous concretions; pH 6.5; clear transition to:
B21	45-65	Light yellowish brown (10YR6/4) medium clay; few red mottles moderate prismatic structure; smooth ped fabric; weak moist consistence; few ferromanganiferous concretions, soft segregations; pH 6.5; diffuse wavy transition to:
B22	65-135	Olive (5Y5/4) heavy clay; moderate prismatic structure; smooth ped fabric; very strong slightly moist consistence; pH 9.0; diffuse wavy transition to:
B23	120-170+	Light yellowish brown (2.5Y6/2); light medium clay; many mottles orange, dark weak prismatic structure; smooth ped fabric; strong dry consistence; common ferromanganiferous concretions; pH 9.0

Chemical characteristics:

Horizon	pH	Salinity (EC)	Internal drainage	Sodicity	Slaking	Dispersion
A1	Moderately acidic	N/A	Well	N/A	N/A	N/A
A2	Moderately acidic	N/A	Moderately well	N/A	N/A	N/A
A3/B1	Moderately acidic	N/A	Imperfect	N/A	N/A	N/A
B21	Moderately acidic	N/A	Poor	N/A	N/A	N/A
B22	Strongly alkaline	N/A	Very poor	N/A	N/A	N/A
B23	Strongly alkaline	N/A	Poor	N/A	N/A	N/A