

SITE: MM498

Land unit: Glenormiston–Terang Basalt Plains

Aust. Soil Class.: Ferric, Mottled-Subnatric, Black SODOSOL (confidence level 3)

General Land Unit Description:

This land unit consists of the gently undulating basalt plains in the Glenormiston–Terang area. The dominant soils are Ferric Black Sodosols, commonly with a bleached A2 horizon and or a mottled subsoil. There are minor occurrences of Black and Brown Chromosols, commonly with a ferric horizon above the clay.

Site Description:

Geology: Quaternary basalt

Landform pattern: Gently undulating plains

Position in landscape: Mid-slope

Internal drainage: Imperfectly drained

Soil Profile Morphology

Topsoil

A1 0-15 cm Very dark brown (10YR2/2), *clay loam*, hard setting surface condition, apedal, firm consistence when dry, ferromanganiferous nodules are common, pH 5.1. Clear transition to:

A2 20-50 cm Sporadically bleached when dry (10YR7/2), *clay loam*, ferromanganiferous nodules are abundant. Sharp transition to:

Subsoil

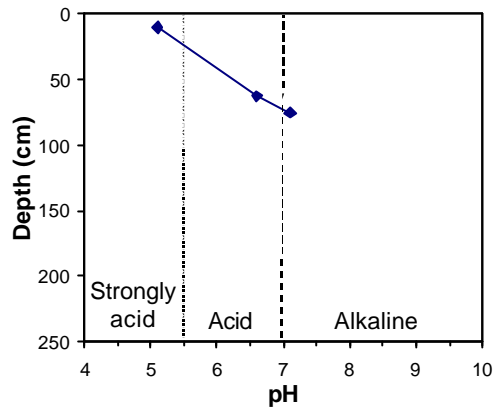
B21 50-75 cm Very dark greyish brown (10YR3/2) *heavy clay*, dark yellowish brown mottles, strong blocky structure (20-50 mm), pH 6.6. Gradual transition to:

B22 75+ cm Grey (2.5Y4/2), *heavy clay*, yellowish brown mottles, strong blocky structure (20-50 mm), pH 7.1.

Key profile features:

- Strongly acidic topsoil
- Bleached A2 horizon
- Ferromanganiferous nodules are abundant in A2 horizon
- Strong texture contrast between topsoil and subsoil
- Mottled subsoil
- Topsoil dispersive when worked when wet
- Subsoil dispersive when worked when wet

pH (water)



Salinity

