SITE: MM592	**Land unit:** Glenthompson Duricrust
Aust. Soil Class.: Ferric, Mottled-Mesonatric, Brown SODOSOL(confidence level 3)	

General Land Unit Description:
This soil type is the major soil type of the gently undulating plains, rises and low hills of the duricrust surface around Glenthompson. The subsoils tend to be sodic which along with the ferruginous nodules, are a restriction to land use. A minor soil type is a Ferric Brown Chromosol, which may be sodic at depth.

Site Description:
Slope: <2%
Geology: Cainozoic duricrust
Landform pattern: Gently undulating plains and rises
Position in landscape: Broad crest
Internal drainage: Moderately well drained

Soil Profile Morphology

Topsoil

A1 0-15 cm Dark brown (10YR3/3) clay loam, ferruginous nodules are common, pH 4.5. Clear transition to:

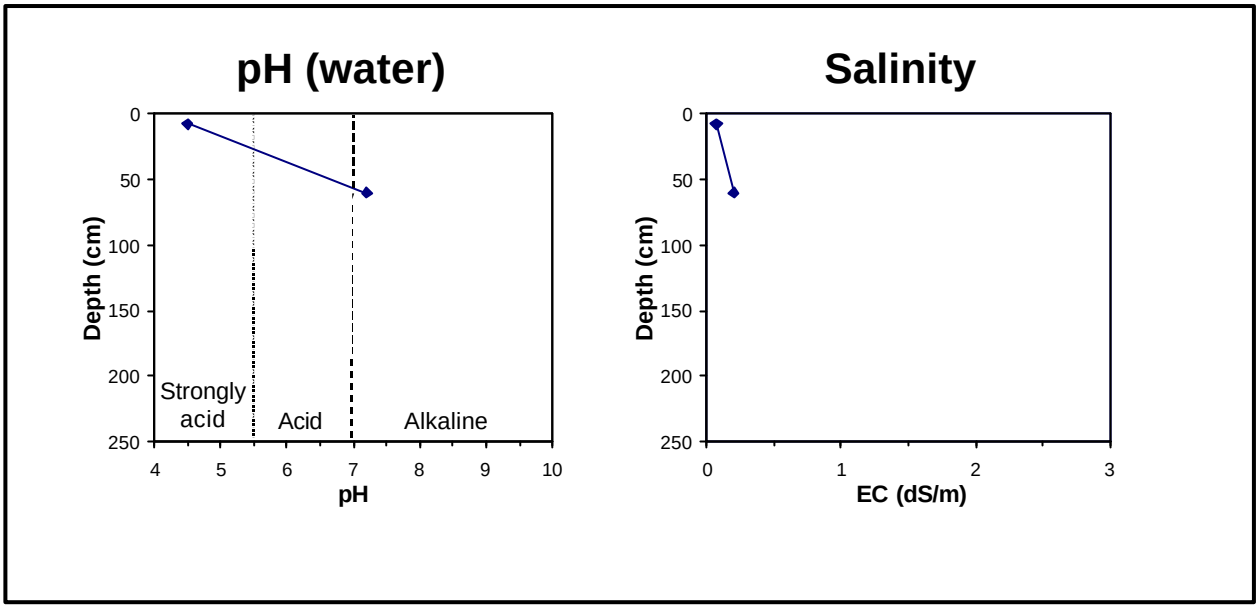
A2 15-45 cm Pale brown (10YR6/3) *silty clay loam*, conspicuously bleached (10YR8/1) when dry, ferruginous nodules are abundant. Sharp transition to:

Subsoil

B21 45-60 cm Yellowish brown (10YR5/4) *medium clay*, faint yellowish brown mottles (10YR5/8), ferruginous nodules are abundant. Clear transition to:

B22 60-100+ cm Light yellowish brown (2.5Y6/4) *heavy clay*, moderate blocky structure (10-20mm). pH 7.2

Key profile features:
- Bleached A2 horizon
- Strongly acidic topsoil
- Deeper subsoil dispersive when dry
- Ferruginous nodules are abundant in A2 horizon


pH (water)
Depth (cm)
0
50
100
150
200
250
Strongly acid
Acid
Alkaline
4
5
6
7
8
9
10
pH
Salinity
Depth (cm)
0
50
100
150
200
250
0
1
2
3
EC (dS/m)