

SITE PVI 9**Land unit: Monivae Basalt****Aust. Soil Class.:** Bleached-Vertic (& Ferric-Sodic), Eutrophic, Brown CHROMOSOL (thick, clay loamy surface) (confidence level 1)**General Land Unit Description:**

The level to gently undulating basalt plains between Branxholm and Glenthompson consist of an association of Vertic or Ferric Brown Chromosols and Ferric Brown Sodosols. The Chromosols typically occur on the upper slopes and crests of very slight rises that may have scattered surface boulders, and Sodosols on the lower slopes and depressions. Sodosols or Vertosols, occasionally with a sporadic bleached subsurface horizon, are usually found in open depressions or drainage lines.

Site Description:**Geology:** Quaternary basalt**Landform pattern:** Level to gently undulating plain**Position in landscape:** Valley flat below rises**Internal drainage:** Moderately well drained**Soil Profile Morphology****Topsoil**

A1 0-15 cm Dark brown (10YR3/3), *very fine sandy clay loam*, weak coarse blocky structure, very firm consistence (dry), pH 5.3. Clear change to:

A2 15-40 cm Brown (10YR5/3), conspicuously bleached (10YR7/1 dry), *light fine sandy clay loam*, massive structure, very firm consistence (dry), pH 5.9. Abrupt change to:

Subsoil

B1 40-50 cm Brown (10YR5/3), *light medium clay*, weakly structured, very strong consistence (dry), pH 6.6. Clear change to:

B21 50-65 cm Brown (10YR5/3) with brownish yellow (10YR6/6 and 6/8) mottles, *medium clay*, very strong consistence (dry), many (30%) ferruginous nodules (2-4 mm), pH 6.6. Gradual change to:

B22 65-100 cm Yellowish brown (10YR5/4) with brownish yellow (10YR6/6 and 6/8) mottles, *medium heavy clay*, moderate coarse blocky, parting to lenticular structure, very strong consistence (moist), many (20-40%) ferruginous nodules (2-6 mm), some manganese stains, pH 6.7. Transition to:

B23 100+ cm Light brownish grey (10YR6/2) with many (40%) brownish yellow (10YR6/8) and dark red (2.5YR4/8) mottles, weak coarse prismatic, parting to moderate lenticular structure, rigid consistence (moist), few (5%) ferruginous nodules (2-6 mm), pH 6.7.



