

<b>Site code<sup>1</sup></b>	<b>MM5109</b>
<b>Location</b>	<b>Wensleydale Aireys Inlet Road, Anglesea</b>
<b>Landform</b>	Escarpment
<b>Geology</b>	Moorabool Viaduct Sand and Hanson Plain Sand; <i>fluvial gravel, sand, and silt</i>
<b>Element</b>	Upper slope

### Profile morphology

Horizon	Depth (cm)	Description
A1	0–25	Very dark grey (10YR3/1); loamy sand; loose surface condition; sandy fabric; gradual boundary to:
A2	25–50	Pale brown (10YR7/3), conspicuously bleached, very pale brown (10YR8/3 dry); sand; sandy fabric; many coarse segregations; sharp boundary to:
B21	50–80	Light yellowish brown (10YR6/4) with yellowish brown (10YR5/8) mottles; medium heavy clay; strong coarse blocky structure; smooth ped fabric; very firm consistence (moderately moist); clear boundary to:
B22	80–100+	Light yellowish brown (10YR6/4) with red (2.5YR4/6) mottles; medium clay; strong coarse blocky structure; smooth ped fabric; very firm consistence (moderately moist).

**ASC:** Melacic-Mottled; Natric; Yellow Kurosol

### Analytical data<sup>2</sup>

Site MM5015 Horizon	Sample depth cm	pH		EC	NaCl	Ex Ca	Ex Mg	Ex K	Ex Na	Ex Al	Ex acidity
		H <sub>2</sub> O	CaCl <sub>2</sub>	dS/m	%	cmol <sub>c</sub> /kg	cmol <sub>c</sub> /kg	cmol <sub>c</sub> /kg	cmol <sub>c</sub> /kg	mg/kg	cmol <sub>c</sub> /kg
A1	0–25	4.9	N/R	0.02	N/R	N/R	N/R	N/R	N/R	N/R	N/R
A2	25–50	5.7	N/R	0.01	N/R	N/R	N/R	N/R	N/R	N/R	N/R
B21	50–80	5.1	N/R	0.07	N/R	N/R	N/R	N/R	N/R	N/R	N/R
B22	80–100+	5	N/R	0.08	N/R	N/R	N/R	N/R	N/R	N/R	N/R

Site MM5015 Horizon	Sample depth cm	FC (-10kPa) %	PWP (-1500kPa) %	KS %	FS %	Zi %	C %	Org C %	Bulk density t m <sup>-3</sup>
A1	0–25	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
A2	25–50	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
B21	50–80	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
B22	80–100+	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R

### Management considerations

Strong texture contrast between the surface soil and the subsoil is a very important soil feature and can impact upon the permeability aspects of the profile. The surface soil is acidic, while the subsoil is heavy clay. Increasing the organic matter of the soil will help to retain nutrients in the loose, sandy topsoil, while the application of lime should raise the pH down the profile.

<sup>1</sup> Source: Maher JM, Martin JJ 1987 Soils and landforms of south-western Victoria. Department of Agriculture and Rural Affairs. Research Report No. 40.

<sup>2</sup> Source: Government of Victoria, State Chemistry Laboratory.