

<b>Site code<sup>1</sup></b>	<b>MM162</b>
<b>Location</b>	<b>Linton (Manibidar Road), Linton district, south-west Victoria</b>
<b>Landform</b>	Low hills
<b>Geology</b>	Devonian Mount Bute Granite: <i>intrusive two mica granite, coarse grained, K feldspar phytic</i>
<b>Element</b>	Lower slope

### Profile morphology

Horizon	Depth (cm)	Description
A1	0–25	Very dark greyish brown (10YR3/2); sandy loam; apedal massive structure; weak consistence (dry); clear boundary to:
A2	25–35	Light yellowish brown (10YR6/4), light grey (10YR7/2 dry) conspicuously bleached; sandy clay loam; sharp boundary to:
B21	35–80	Yellowish brown (10YR5/4) with brown (10YR5/8) mottles; medium clay; moderate fine blocky structure; firm consistence (moderately moist); boundary to:
C	80+	Yellowish brown (10YR5/4), brown (10YR5/8) mottles; medium clay.

**ASC:** Bleached-Mottled; ?; Brown Chromosol

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

Site MM162 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	5.3	N/R	0.06	N/R	1	1	0.3	0.1	N/R	8.8
A2	25–35	6.5	N/R	0.03	N/R	1.2	1.2	0.2	0.3	N/R	4
B21	35–80	7.8	N/R	0.38	0.02	4.3	4.3	0.4	2.8	N/R	9.4
C	80+	7.9	N/R	0.12	N/R	2.2	2.2	0.3	2.4	N/R	4.5

Site MM162 Horizon	Sample depth cm	FC (-10kPa) %	PWP (-1500kPa) %	KS %	FS %	Z %	C %	Org C %	Bulk density t m <sup>-3</sup>
A1	0–25	20.7	7.9	41	32	12	11	2.4	1.26
A2	25–35	N/R	N/R	44	24	9	20	0.8	N/R
B21	35–80	41.6	30.8	14	8	5	72	N/R	1.35
C	80+	N/R	N/R	30	17	7	46	N/R	N/R

### Management considerations

This strongly texture contrast soil has a hard setting surface soil with conspicuously bleached A2 horizon. Sodic, mottled and alkaline subsoils are features of this soil type. The application of gypsum counters sodicity and may reduce dispersion, while increasing organic matter and vegetative cover is important to add nutrients to 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.