

**Site code<sup>1</sup>**    **OTR605**

**Location**    Barwon Downs

**Landform**    Hills – plateaux remnant

Melacic, Pipey, Aeric Podosol

**Geology**    Neogene Gellibrand Marl

**Element**    Flat

**Slope**        0%

**Aspect**      -

Horizon	Depth (cm)	Description
A1	0–10	Pale brown (10YR 6/3), white (10YR8/1 dry); silty loam; apedal massive structure; pH 6.0; clear boundary to:
A2	10–20	Yellowish brown (10YR5/4), brown (10YR4/3 dry); heavy clay; strong fine subangular blocky structure; pH 5.6; boundary to:
B21	20–40	Dark yellowish brown (10YR4/4); heavy clay; strong fine subangular blocky structure; pH 5.5; boundary to:
B22	40–70	Dark yellowish brown (10YR4/4); heavy clay; strong fine subangular blocky structure; pH 5.8; boundary to:
C1	70–100	Brown (10YR4/3) with yellowish brown (10YR5/6) and red (2.5YR4/6) mottles; heavy clay; strong fine subangular blocky structure; pH 5.4; boundary to:
	100–125	Red (2.5YR5/6) with yellowish brown (10YR5/4), light grey (5Y5/1) and red (2.5YR4/6) mottles; heavy clay; strong fine subangular blocky structure; pH 5.0; boundary to:
	125–140+	Red (2.5YR4/6) with yellowish brown (10YR5/4) light grey (5Y5/1) mottles; heavy clay; strong fine subangular blocky structure; pH 4.6

<sup>1</sup> Source: Pitt AJ (1981) A study of the land in the catchments of the Otway Range and adjacent plains. TC-14. Soil Conservation Authority. Kew, Victoria

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

Site OTR413 Horizon	Sample depth cm	pH		EC	NaCl	Ex Ca	Ex Mg	Ex K	Ex Na	Ex Al	Ex Acidity	FC -10kPa	PWP -1500kPa	KS	FS	Z	C
		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	cmol <sub>c</sub> /kg	mg/kg	cmol <sub>c</sub> /kg	%	%	%	%	%
A1	0-10	6.0	N/R	0.012	N/R	2.0	2.1	1.8	0.1	N/R	N/R	N/R	N/R	6	43	26	25
A1	10-20	5.6	N/R	0.027	N/R	2.3	3.8	5.1	0.4	N/R	N/R	N/R	N/R	2	23	12	64
A1	20-30	5.5	N/R	0.035	N/R	2.4	4.3	4.7	0.4	N/R	N/R	N/R	N/R	2	21	11	66
A2	50-60	5.8	N/R	0.041	N/R	2.7	6.2	5.0	0.6	N/R	N/R	N/R	N/R	1	17	9	74
A2	80-90	5.4	N/R	0.040	N/R	2.5	7.2	2.4	0.4	N/R	N/R	N/R	N/R	1	18	13	68
B21	110-120	5.0	N/R	0.040	N/R	2.1	7.7	1.0	0.4	N/R	N/R	N/R	N/R	1	21	16	63
C2m	130-140	4.6	N/R	0.038	N/R	1.9	6.6	0.6	0.3	N/R	N/R	N/R	N/R	1	20	18	60

## Management considerations

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