

Site code¹ **OTR413**

Location Duck Creek, Lake Castin

Landform Dissected coastal plain

Melacic, Pipey, Aeric Podosol

Geology Quaternary
lacustrine/alluvium

Element Flat

Slope 1%

Aspect -

Horizon	Depth (cm)	Description
A11	0–7	Black (10YR2/1); fine sandy loam; strong fine crumb structure; pH 5.7; clear boundary to:
A12	7–25	Black (10YR2/1); fine sandy loam (silty); strong–medium blocky structure; pH 6.6; clear tounded boundary to:
A2	25–45	Grey (10YR5/1) with faint yellowish brown (10YR5/4) mottles; loam fine sandy; apedal massive structure; pH 7.1; clear boundary to:
B21	45–68	Light brownish grey (10YR6/2) with yellowish brown (10YR5/4) and (10YR5/8) mottles; loam fine sandy (silty); apedal massive structure; pH 7.2; abrupt boundary to:
B22	68+	Grey (2.5Y5/1 and 2.5Y6/1) with yellowish brown (10YR5/8) mottles; fine sand (silty); apedal massive stucture; pH 7.2.

¹ 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 data²

Site OTR413 Horizon	Sample depth cm	pH		EC	NaCl	Ex Ca	Ex Mg	Ex K	Ex Na	Ex Al	Ex acidity	FC (-10kPa)	PWP (-150kPa)	KS	FS	Z	C
		H ₂ O	CaCl ₂	dS/m	%	cmol _c /kg	cmol _c /kg	cmol _c /kg	cmol _c /kg	mg/kg	cmol _c /kg	%	%	%	%	%	%
A11	0-7	5.7	N/R	0.096	0.097	28.5	9.2	1.1	1.1	N/R	N/R	N/R	N/R	6	50	8	25
A12	7-12	5.9	N/R	0.072	0.071	22.7	6.9	0.6	0.8	N/R	N/R	N/R	N/R	8	61	7	15
A12	12-25	6.6	N/R	0.039	0.045	18.6	5.1	0.4	0.6	N/R	N/R	N/R	N/R	2	72	6	13
A2	25-45	7.1	N/R	0.029	0.034	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
B21	45-60	7.2	N/R	0.035	0.042	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	1	86	5	7
B21	60-68	7.4	N/R	0.036	0.038	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
B22	68+	7.2	N/R	0.041	0.045	3.3	1.7	0.2	0.1	N/R	N/R	N/R	N/R	1	92	4	3

Management considerations

² Source: Government of Victoria State Chemistry Laboratory.