

**Site Code <sup>1</sup> SW89**



Shallow stony soil associated with SW89

**Location** Mount Pollock Road, 1 km south of Mount Pollock  
**Landform** Low hill associated with Mt Pollock  
**Geology** Quaternary Volcanics: basalt  
**Element** Crest  
**Slope** 3%  
**Aspect** North-east

Horizon	Depth (cm)	Description
A1	0-10	Dark brown (7.5YR3/2 moist); light clay; very finely pedal, self-mulching, cracking to surface; pH 6.8; clear boundary to:
B21t	10-20	Very dark brown (10YR2/2 moist); light medium clay; fine, smooth faced, angular blocky, parting to medium to fine (50-20 mm) polyhedral structure; firm consistence (moist); pH 7; clear boundary to:
B22t(ss)	20-50/70	Very dark brown (10YR2/2 moist), with brown (7.5YR5/4 moist) mottles (<10%); medium to heavy clay; angular blocky, parting to coarse lenticular (20-50 mm) structure; obvious (<60 mm), frequent slickensides; strong consistence; pH 7.8; abrupt and wavy boundary to:
B23k/R	50/70 +	Brown (7.5YR4/3 moist), >50% soft carbonate in clay matrix, fragments of hard basalt; pH 8.6

**Management considerations**

Highly chemically fertile but of limited spatial extent at this site being confined to the crest of the hill and interspersed with a rockier variant.. The high clay content and swelling nature of the clay results in this soil being very sticky when wet and prone to damage by traffic.



Endocalcareous, Self-Mulching, Black VERTOSOL

<sup>1</sup> Source: MacEwan R, Imhof M (in press) Major Soils and Landscapes along the Southwest Gas Pipeline 1999. DPI

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

Site SW89	Sample depth	pH		EC	NaCl	Ex Ca	Ex Mg	Ex K	Ex Na	Ex Al	Ex Acidity	FC	PWP	KS	FS	Z	C
		-10kPa	-1500kPa														
Horizon	cm	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	0-5	6.8	6.2	0.18	N/R	21.0	13.0	1.5	0.73	N/R	N/R	47.2	28.8	6.6	15.0	18.5	48.5
B21	10-20	7.0	6.2	0.15	N/R	22.0	17.0	1.3	1.3	N/R	N/R	60.9	35.8	3.9	10.7	12.0	63.5
B22	20-60	7.8	7.8	0.14	N/R	23.0	17.0	0.77	1.9	N/R	N/R	61.7	34.9	4.3	12.9	17.5	56.0
B23K	60+	8.6	7.9	0.34	0.01	26.0	21.0	0.5	3.1	N/R	N/R	69.2	41.6	N/R	N/R	N/R	N/R

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