Site Code [1] **SW90**

Landscape view from SW90 showing low hills

Location Mount Pollock Road, 1 km south of Mount Pollock

Landform Low hill associated with Mt Pollock

Geology Quaternary Volcanics: basalt

Element Simple slope

Slope 5%

Aspect East

Calcic, Mottled-Mesonatric, Black SODOSOL

Horizon	Depth (cm)	Description
A1	0-15	Very dark grey (10YR3/1 moist); fine sandy loam; pH 5.5; clear boundary to:
A2	15-25	Dark greyish brown (10YR4/2 moist), light brownish grey (10YR6/2 dry); fine sandy loam; weakly pedal; common (~20%), fine (<8 mm) buckshot; pH 6.2; sharp (thin discontinuous bleached contact) boundary to:
B21t	25-60/70	Very dark grey (10YR3/1 moist); heavy clay; few (<10%), small, yellowish brown (10YR5/8 moist) mottles; very coarse (200 mm) prismatic to columnar (200 mm), parting to coarse prismatic and coarse blocky (20-50 mm) structure; strong consistence; pH 6.6; abrupt boundary to:
B22g	60/70 +	Dark greyish brown (10YR4/2 moist) with common (~20%), diffuse, yellowish brown (10YR5/4-5/6 moist) mottles; heavy clay; apedal, massive; buckshot (10-20%); large irregular rounded basalt boulders (>60 cm) at unusual angles (possibly colluvial).

Management considerations

Strong texture contrast between surface (A) horizons and subsoil (B21) horizon can result in waterlogging. This is aggravated in this soil by the very coarse prismatic to columnar structure in upper subsoil which is highly sodic and dispersive.

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

Analytical data[2]

Site SW90	Sample depth	pH		EC	NaCl	Ex Ca	Ex Mg	Ex K	Ex Na	Ex Al	Ex Acidity	FC –10kPa	PWP –1500kPa	KS	FS	Z	C
Horizon	cm	H_2O	$CaCl_2$	dS/m	%	$cmol_c/kg$	$cmol_c/kg$	$cmol_c/kg$	$cmol_c/kg$	mg/kg	$cmol_c/kg$	%	%	%	%	%	%
A1	0-5	5.5	4.7	0.14	N/R	3.4	3	0.5	0.59	<10	11	26.6	9.7	24.5	38.2	17	14
A2	15-25	6.2	5.1	0.1	N/R	3	3.3	0.21	1.1	<10	6.1	22.7	7.2	25.4	38.6	16.5	16
B21	30-50	6.6	5.5	0.19	N/R	4.3	10	0.47	3.6	N/R	N/R	40.2	19.6	18	27.2	11	39
B22g/r	75-90	8.5	7.4	0.32	0.03	3.8	9.7	0.3	5.2	N/R	N/R	35.9	16.2	21.1	31.8	10.5	32
	120+	8.6	7.4	0.22	0.03	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R

[2] Source: Government of Victoria State Chemistry Laboratory.