

Site Code ¹ **SW62**



Location South of Simpson: Princetown Road and Centre Road
Landform Gently undulating plain
Geology Neogene Hanson Plain Sand Formation
Element Plain
Slope <1%
Aspect 0

Broad (50–100 m) flat to slightly concave element between 2 drainage lines.

Horizon	Depth (cm)	Description
A1	0-70	Black (10YR2/1 moist, 10YR4/1 dry); loamy fine sand; massive firm consistence; pH 4.3; gradual and wavy boundary to:
B21g	70 +	Very dark greyish brown (10YR3/2 moist and 10YR5/2 dry), becoming mottled with depth (90 cm+); loamy fine sand; massive firm consistence; pH 4.7

Management considerations

Acidic sandy profile, low fertility, poor structure and the need for subsurface drainage are all major limitations in this element. Gleyed nature of the subsoil (grey and bleached) indicates excessive site wetness



Humose-Acidic, Tenosolic, Redoxic HYDROSOL (thick, non-gravelly, sandy, deep)

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

Analytical data²

Site SW62	Sample depth	pH		EC	NaCl	Ex Ca	Ex Mg	Ex K	Ex Na	Ex Al	Ex Acidity	FC	PWP	KS	FS	Z	C	
		Horizon	cm	H ₂ O	CaCl ₂	dS/m	%	cmol _c /kg	cmol _c /kg	cmol _c /kg	cmol _c /kg	mg/kg	cmol _c /kg	-10kPa	-1500kPa	%	%	%
	A1	0-40	4.3	3.4	0.13	N/R	0.35	0.53	0.09	0.62	230	18	N/R	N/R	18.6	49	22.5	4.5
	A2g	40+	4.7	4	<0.05	N/R	<0.05	0.09	<0.05	0.1	110	5.9	N/R	N/R	28.1	46.5	18.5	6

² Source: Government of Victoria State Chemistry Laboratory.