

Site Code ¹ SW80



Gravelly Duplex soils downslope from SW79

General view of landscape (East), SW80 in the distance

Location 11 km East of Colac, close to junction of Collyers and Crabbe Roads
Landform Undulating rises
Geology Gellibrand Marl
Element Open depression
Slope 0
Aspect 0

Horizon	Depth (cm)	Description
A1	0-15	Very dark greyish brown (10YR3/2 moist), greyish brown (10YR5/2 dry); loam, fine sandy; weakly pedal structure; weak consistence (dry); gradual boundary to:
A2e	15-40	Brown (10YR5/3 moist), conspicuously bleached (10YR7/2 dry); loamy sand; sharp boundary to:
B21t	40-90	Very dark grey (10YR3/1 moist) with fine yellowish brown (10YR5/8) mottles; heavy clay; coarse (up to 400 mm) columnar structure, parting with difficulty to coarse blocky structure; slickensides across ped; gradual boundary to:
B22gss	90-140	Very dark grey (10YR3/1 moist) with ~ 50% coarse olive brown (2.5Y4/4 moist) mottles; heavy clay; coarse columnar peds continuous from B21; slickensides more prominent than in B21 above; clear boundary to:
B23g	140+	Conspicuously mottled, gleyed clay; massive structure.

Management considerations

Very prone to waterlogging and a hostile subsoil render this a difficult unit to manage with little opportunity for improvement.



Vertic, Mottled-Mesonatric, Grey SODOSOL

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

Analytical data²

Site SW80	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 ₂ O	CaCl ₂	dS/m	%	cmolc/kg	cmolc/kg	cmolc/kg	cmolc/kg	mg/kg	cmolc/kg	%	%	%	%	%	%	
A1	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
A2	20-40	5.4	4.5	<0.05	N/R	1.2	0.29	0.19	0.07	17.0	5.6	N/R	N/R	3.7	62.2	23.0	8.0	
Btg	50-70	7.5	6.4	0.16	N/R	4.5	10.0	0.23	2.7	N/R	N/R	N/R	N/R	2.0	35.8	14.0	46.0	
Bgt	100-120	7.5	6.6	0.41	0.06	3.7	8.4	0.2	4.1	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	
Bg	140+	7.5	6.6	0.46	0.09	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.