CASTERTON LAND-SYSTEM

Fig.33 Landscape diagram

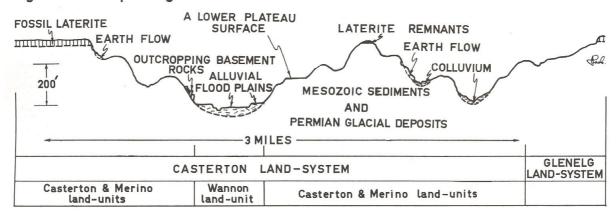


Fig. 34 Land-system diagram

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CLIMATE				24" to 29" average	annual raint	Fall : marked winter inci	dence ; with low winter tem	neratures and high summ	er temperat	l l		,
PARENT N	(ATERIAL	Fossil					ds) and Permian glacial depos					Fossil
TOPO- GRAPHY	Land-form	laterite Plateau	Escarp- ment	<u> </u>		ng rounded hills	Flood-plain and terraces	Steeply-rolling rounded hills				Pla- teau edge
	Position	Тор	Upper	Upper	Lower	Upper	Upper terrace Upper terrace Lower terrace	Middle	Upper	Lower	Upper	Тор
	Sub-group			Prairie soils, chernozems and chernozemic soils, chiefly throughout (Some alluvial soils)					Solodic soils	Some bro	Some brown earths	
	Type, Series or Family	6	Land-slip	Coleraine, Swan and Belwyn	Whyte	Coleraine, Swan and Belwyn	Wannon	Coleraine, Swan, and Belwyn	Hilgay Whyte, Colerai Beerik		Coleraine, erik	
SOILS	Features			Very dark brown to black clay loam overlying very dark brown clay, well-structured and cracking throughout; rock fragments throughout in Swan and Belwyn series; parent material is at about 36° in the Coleraine, Belwyn and Swan series, being Cretaceous, Permian and igneous rocks respectively; silty alluvium at 24° to 36° in Whyte series extends to depth in Wannon series brown sand A ₃ ; mottled brown clay B						verlying b-brown Beerik		
(Formation			Dry tussock grassland			Sparse savannah woodland	Dry tussock grassland	Dry scrub	Grasslan	d Dry scrub	
VEGE - TATION	Alliance	ıd-syster		Stipa-Danthonia			Eucalyptus camaldulensis- Poa australis	Stipa-Danthonia	Casuarina stricta	Stipa- Danthoni	C. stricta	
	Association or Chief Species Present	Dundas Land-system		Originally probably Stipa spp, Danthonia spp, Themeda australis, and some Poa australis with Poa australis and Juncus spp in wetter sites, e.g., Whyte and Wannon series, with E. camaldulensis fringing the creeks and on the river flats						As to th	C. stricta	
LAND-USE	Potential	Q	Merino wool-growing, cross-bred wool-growing and beef cattle raising, based on native pastures and pastures of perennial species and high-yielding introduced annual grasses, with fodder conservation and cash-cropping. Dairying and mixed farming in wetter districts such as Merino land-unit Cash-cropping and dairying especially with irrigation								growing a	nd
	Present		Merino wool-growing, cross-bred wool-growing and some beef cattle raising, based on pastures which are now predominantly improved; dairying a cross-bred wool-growing with fat lambs prominent in wetter districts Capable of further intensification									nd
EROSION	Hazard		Earth flow	Low	Severe deep gullying	Low	Some stream-bank erosion and deposition of sand	Low	Severe sheet erosion	Severe deep gully- ing	arth flow	
	Actual		Earth flow	Low	Severe deep gullying	Low	Some stream-bank erosion and deposition of sand	Low	Severe sheet erosion	Severe deep gully- ing	arth flow	
PROBLEMS			Stabiliza- tion		Stabiliza- tion of gully-heads	Lowering of water-table	Covering of fertile soil by sand deposits					