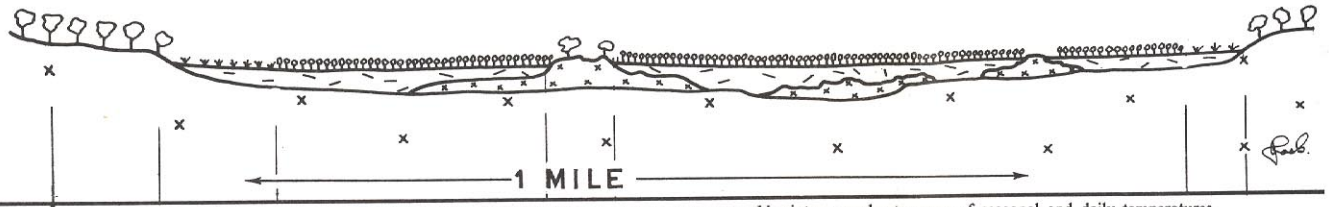
CONDAH SWAMP LAND-SYSTEM

Fig. 43 Land-system diagram



CLIMATE		Hamilton or Branxholme Land-systems	26″ to 30″ average annual rainfall ; marked winter incidence ; warm summers, cold winters, moderate range of seasonal and daily temperatures					Hamilton or Branxholme Land-systems
PARENT MATERIAL			Accumulated remains of former scrubs of *Leptospermum lanigerum*, with admixtures of mineral alluvial material, especially at depth and towards the sides of the swamp					
TOPO-GRAPHY	Land-form		Edge of swamp	Swamp	Stony rise	Swamp	Edge of swamp	
	Position		Middle	Lower		Lower	Middle	
SOILS	Sub-group		Prairie soil or meadow soil ⟷ Carr peat		Brown earth	Carr peat ⟷ Prairie or meadow soil		
	Type, Series or Family		*Hetton peaty clay loam* ⟷ *Condah peat*			*Condah peat* ⟷ *Hetton peaty clay loam*		
	Features		Dark grey peaty clay loam, merging into very dark grey clay and then mottled grey clay and heavy clay	As to right	Dark brownish-grey peaty loam extending to the rock	Dark brown dense matte of roots and non-humified peat to about 3″ ; black humified peat of moderate coarse prismatic macrostructure, breaking with difficulty to crumb structure ; at about 24″, finely mottled black and brown semi-humified peat of massive structure ; the texture becoming more clayey with depth until basement is reached	As to left	
VEGE-TATION	Formation		Tussock grassland	Wet scrub	Sparse woodland	Wet scrub (originally)	Tussock grassland	
	Alliance			*Leptospermum lanigerum*	*Eucalyptus viminalis*	*L. lanigerum*		
	Association or Chief Species Present			*L. lanigerum*	*E. viminalis*	*L. lanigerum*		
LAND-USE	Potential		Intensive mixed farming, especially in conjunction with drier country adjacent ; cash crops, dairying, fodder crops and fodder conservation					
	Present		Varying from very small holdings with intensive mixed farming, to dairy farming, and consolidated holdings used as summer grazing for beef-cattle					
EROSION	Hazard		Loss by humification and burning after drainage ; possibly incipient salting, eventually					
	Actual		Loss by humification and burning after drainage ; possibly incipient salting, eventually					
PROBLEMS			Drainage needed ; difficult winter conditions					