

LAND SYSTEM  
Mt Maria

472251

Area (ha):  
550

COMPONENT

PROPORTION(%)

RAINFALL (mm)

GEOLOGY

TOPOGRAPHY

Position

Typical Slope(°)

NATIVE VEGETATION

Structure

Floristic

Association

(See Appendix 1  
for common  
names)

SOIL

Surface(A)Texture

B Horizon(subsoil)

Colour (moist)

Texture and  
primary profile  
form

Permeability

Typical depth(m)

LAND USE

HAZARDS

COMPONENT	A	B	C
PROPORTION(%)	50	45	5
RAINFALL (mm)	Approximate Annual Rainfall: 750-1000		
GEOLOGY	Jurassic Dolerite		
TOPOGRAPHY	Rugged	Mountain	
Position	Stony Crests/Upper Slopes	Steep Lower Slopes	Creeklines
Typical Slope(°)	20	30	10
NATIVE VEGETATION	Scrub/Heath	Open Forest	Open Forest Over Scrub
Structure			
Floristic Association (See Appendix 1 for common names)	<u>Hakea lissosperma</u> <u>Olearia phlogopappa</u> <u>Drimys lanceolata</u> <u>Helichrysum antennarium</u> <u>Cyathodes glauca</u> <u>Epacris marginata</u> <u>Pimelea nivea</u> <u>Microsorium diversifolium</u> <u>Bedfordia salicina</u> <u>Richea dracophylla</u> <u>Banksia marginata</u> <u>Cyathodes parvifolia</u> <u>Callitris rhomboidea</u> <u>Coprosma nitida</u>	<u>Eucalyptus delegatensis</u> <u>Dianella revoluta</u> <u>Bedfordia salicina</u> <u>Pultenaea juniperina</u> <u>Beyeria viscosa</u> <u>Coprosma hirtella</u> <u>Helichrysum antennarium</u> <u>Pteridium esculentum</u> <u>Notelaea ligustrina</u> <u>Veronica formosa</u>	<u>Eucalyptus delegatensis</u> <u>(Eucalyptus globulus)</u> <u>Pultenaea juniperina</u> <u>Leptospermum lanigerum</u> <u>Banksia marginata</u> <u>Acacia verticillata</u> <u>Gahnia grandis</u> <u>Olearia lirata</u> <u>Coprosma quadrifida</u> <u>Blechnum wattsi</u> <u>Pimelea nivea</u>
Surface(A)Texture	Loam	Clay Loam	Light Clay
B Horizon(subsoil)	Extremely shallow loam - very dark brown (10 YR 2/2) developed between boulders/stones - scree areas devoid of soil.	Very stony light medium clay - strong brown (7.5 YR 4/6) with dark yellowish brown (10 YR 4/4) mottle.	Shallow, stony, light clay - Dark brown (10 YR 3/3).
Colour (moist)			
Texture and primary profile form	Uniform.	Gradational.	Uniform.
Permeability	High	Moderate	Moderate
Typical depth(m)	0.10	0.60	0.20
LAND USE	Nature Conservation		
HAZARDS	High - Moderate Erosion Hazards		

472251

MT MARIA

This small land system is located on Maria Island and includes the high, rugged dolerite country around Mt Maria and Bishop and Clerk. The scree slopes are devoid of soils and are colonized by lichens and mosses. Exposed, stony crests and upper slopes contain an extremely shallow (0.10 m), uniform, very dark brown loam developed between stones and boulders. This supports scrub and heath that includes *Hakea lissosperma*, *Olearia phlogopappa*, *Drimys lanceolata*, *Helichrysum antennarium*, *Cyathodes glauca*, *Epacris marginata*, *Pimelea nlvea*, *Microrosorium diversifolium*, *Bedfordia sallclna*, *Richea dracophylla*, *Banksia marginata*, *Cyathodes parvifolia*, *Callitris rhomboldea* and *Coprosma nitida*.

Steep lower slopes have a very stony gradational soil with a clay loam surface over a strong brown, light medium clay, with a dark yellowish brown mottle. This supports an open forest dominated by *Eucalyptus delegatensis* with an understorey of *Pultenaea juniperina*, *Bedfordia sallclna*, *Dianella revoluta*, *Beyerla vlscosa*, *Coprosma hlrtella*, *Helichrysum antennarium*, *Pteridium esculentum*, *Notelaea ligustrina* and *Veronica formosa*.

Creeklines contain a shallow (0.20 m), stony, uniform, light clay developed on bedrock. This supports an open forest dominated by *Eucalyptus delegatensis*, and sometimes by *Eucalyptus globulus*, with a scrubby understorey that includes *Pultenaea jjunlperlina*, *Leptospermum lanlgerum*, *Banksia marginata*, *Acacia vertlclllata*, *Gahnia grandis*, *Olearia llrata*, *Coprosma quadrlfida*, *Blechnum wattsi* and *Pimelea nlvea*.

The land system is within the Maria Island National Park. It is closely related to the Macgregor Peak (472252) Land System. Erosion hazards are relatively low. The vegetation and physical environment of Maria Island have been described by Brown and Bayly-Stark (1979b).



Exposed, stony crests and upper slopes of the Mt Maria (472251) Land System dominated by scrub and heath.