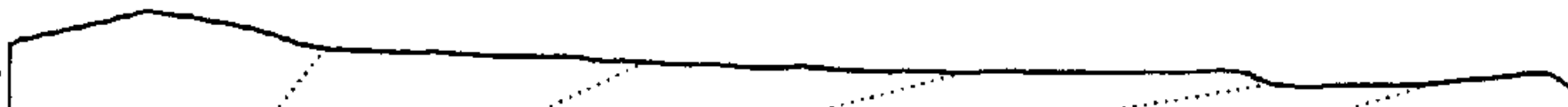


LAND SYSTEM  
Bicheno

341143

Area (ha)  
3313



COMPONENT	A	B	C	D	E	F
PROPORTION(%)	20	20	20	20	10	10
RAINFALL(mm)	Approximate Annual Rainfall: 625-750					
GEOLOGY	Devonian Granite					
TOPOGRAPHY	Hills Associated Flats and Coastal Headlands					
Position	Crests/Upper Slopes	Protected Lower Slopes	Exposed Lower Slopes	Well Drained Flats	Drainage Flats	Coastal Headlands
Typical Slope(o)	10	10	10	0	0	0-5
NATIVE						Low Woodland/
Structure	Woodland	Woodland/Open Forest	Woodland	Open Woodland		Low Closed Forest
Floristic Association (See Appendix 1 for common names)	<i>Eucalyptus amygdalina</i>	<i>Eucalyptus amygdalina</i>	<i>Eucalyptus tenuiramis</i>	<i>Eucalyptus amygdalina</i>		<i>Casuarina stricta</i>
	<i>Eucalyptus globulus</i>	<i>Eucalyptus viminalis</i>	<i>Pteridium esculentum</i>	<i>Casuarina littoralis</i>		<i>Kunzea ambigua</i>
	<i>Eucalyptus tenuiramis</i>	<i>Eucalyptus globulus</i>		<i>Lepidosperma concavum</i>	cleared	<i>Carpobrotus rossii</i>
	<i>Eucalyptus sieberi</i>	<i>Eucalyptus tenuiramis</i>		<i>Hypolaena fastigiata</i>		<i>Lomandra longifolia</i>
	<i>Bossiaea prostrata</i>	<i>Casuarina littoralis</i>		<i>Baeckea ramosissima</i>		<i>Myoporum insulare</i>
	<i>Kunzea ambigua</i>	<i>Leucopogon virgatus</i>		<i>Stylidium sp.</i>		<i>Stipa sp.</i>
	<i>Goodenia lanata</i>	<i>Pteridium esculentum</i>		<i>Aotus ericoides</i>		<i>Melaleuca ericifolia</i>
	<i>Acacia mucronata</i>	<i>Epacris impressa</i>		<i>Xanthosia pilosa</i>		
	<i>Acrotriche serrulata</i>	<i>Bossiaea cinerea</i>		<i>Amperea xiphoclada</i>		
	<i>Lomandra longifolia</i>	<i>Banksia marginata</i>				
	<i>Dianella revoluta</i>	<i>Lomandra longifolia</i>				
	<i>Viola hederacea</i>	<i>Platylobium formosum</i>				
	<i>Comesperma volubile</i>	<i>Helichrysum scorpioides</i>				
	<i>Astroloma humifusum</i>	<i>Stylidium graminifolium</i>				
<i>Crassula sieberana</i>	<i>Lepidosperma concavum</i>					
<i>Bursaria spinosa</i>	<i>Aotus ericoides</i>					
SOIL		<i>Kennedia prostrata</i>				
		<i>Persoonia juniperina</i>				
Surface(A)Texture	Gravelly Loamy Sand/Sand	Gravelly Loamy Sand	Gravelly Loamy Sand	Gravelly Loamy Sand	Clay Loam	Gritty Loam
B Horizon (subsoil) Colour (moist) Texture and primary profile form	Gravelly medium sandy clay- Yellowish brown (10 YR 5/4) to brown (10 YR 5/3) with a grey (10 YR 5/1) mottle. Duplex.	Deep medium to heavy clay- Dark grey (10 YR 4/1) with yellowish brown (10 YR 5/6) mottle. Duplex.	Deep gravelly sand very dark grey (10 YR 3/1) sometimes containing a dark reddish brown (2.5 YR 2/4) to black (10 YR 2/1) hardpan. Uniform.	Deep sandy clay - strong brown (7.5 YR 5/6) over white (2.5 Y 8/0)// Duplex.	Deep gravelly light to medium clay - Light olive grey (5 Y 6/2) to grey (5 Y 5/1) with light yellowish brown (2.5 Y 6/4) mottle. Gradational.	Shallow loam - Black (2.5 Y 2/0) over bedrock. Uniform.
Permeability	High/Moderate	High/Moderate	High	Moderate/High	Moderate/Low	Moderate/High
Typical depth(m)	0.80	1.00	1.00	>1.40	1.00	0.50
LAND USE	Grazing, Subdivision, Recreation					
HAZARDS	High Sheet, Rill, Gully, Tunnel Erosion				Flooding, Waterlogging	Salting, Wind Erosion

341143

BICHENO

This coastal granite land system lies between Friendly Beaches and Bicheno, and consists of granite hills, associated flats and coastal headlands.

Crests and upper slopes contain a duplex soil consisting of a gravelly sand or loamy sand surface over a yellowish brown to brown, gravelly, sandy clay with a grey mottle. This supports a woodland of *Eucalyptus amygdalina*, *Eucalyptus globulus*, *Eucalyptus tenuiramis* and *Eucalyptus sieberi* over an understorey of *Bossiaea prostrata*, *Kunzea ambigua*, *Goodenia ovata*, *Acacia mucronata*, *Acrotriche serrulata*, *Lomandra longifolia*, *Dianella revoluta*, *Viola hederacea*, *Comesperma volubile*, *Astroloma humifusum*, *Bossiaea cinerea*, *Crassula sieberana* and *Bursaria spinosa*.

Protected lower slopes have a deep (1.00 m) duplex soil consisting of an extremely gravelly, loamy sand surface over a dark grey clay with a yellowish brown mottle. This supports a woodland/open forest dominated by *Eucalyptus amygdalina*, *Eucalyptus viminalis*, *Eucalyptus globulus* and *Eucalyptus tenuiramis* over an understorey of *Casuarina littoralis*, *Leucopogon virgatus*, *Pteridium esculentum*, *Epacris impressa*, *Bossiaea cinerea*, *Banksia marginata*, *Lomandra longifolia*, *Platylobium formosum*, *Helichrysum scorpioides*, *Stylidium graminifolium*, *Lepidosperma concavum*, *Aotus ericoides*, *Kennedia prostrata* and *Persoonia juniperina*.

Exposed lower slopes have a deep (1.00 m) uniform gravelly sand that sometimes contains a hardpan. This supports a woodland dominated by *Eucalyptus tenuiramis* over an understorey of *Pteridium esculentum*.

Well drained flats contain a deep (>1.40 m) duplex soil consisting of a gravelly loamy sand surface over a strong brown to white sandy clay. This supports an open woodland dominated by *Eucalyptus amygdalina* over an understorey of *Casuarina littoralis*, *Lepidosperma concavum*, *Hypolaena fastigiata*, *Baeckea ramosissima*, *Stylidium sp.*, *Aotus ericoides*, *Xanthosia pilosa* and *Amperea xiphoclada*.

Drainage flats have a deep gradational soil consisting of a clay loam surface over a light olive grey to grey clay with a light yellowish brown mottle.

Coastal headlands contain a shallow (0.50 m) uniform, black loam developed on bedrock. This supports a low woodland to low closed forest of *Casuarina stricta* over an understorey of *Kunzea ambigua*, *Carpobrotus rossii*, *Lomandra longifolia*, *Myoporum insulare*, *Stipa sp.* and *Melaleuca ericifolia*.

The land system is mainly used for subdivision, recreation and grazing. Sheet, rill, gully and tunnel erosion are widely evident in the area, whilst flooding and waterlogging problems are associated with the drainage flats. Salting and wind exposure hazards are associated with the coastal headlands. Related land systems include Royal George (341141), Barren Head (341142), Freycinet (241151) and St Patricks Foreland (441134).

BICHENO (341143) LAND SYSTEM



A granite crest in the Bicheno (341243) Land System supporting a woodland dominated by *Eucalyptus globulus* and *Eucalyptus tenuiramis*.