

# Private Property Plantations in the Landscape in Tasmania as at 31 December 2006



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## Private Property Plantations in the Landscape in Tasmania as at 31 December 2006

### Introduction

Plantations (both hardwood and softwood) are a significant feature in Tasmania's landscape, and have been for almost half a century. Plantations are established for a variety of reasons and deliver a range of products and benefits including:

- Sawn timber production
- Wood fibre and other wood based products
- Shelterbelts for animals and crops
- The provision of multiple environmental benefits through addressing land degradation, salinity and soil erosion
- Generation of biomass
- Storage of carbon

This paper adopts the following definition of plantation used in the National Forestry Inventory *Australia's State of the Forest Report 2003*:

Plantation – Intensively managed stands of trees of either native or exotic species created by the regular placement of seedlings or seeds.

The extent and rate of establishment of Tasmania's private plantation estate attracts the attention of policy makers within Government as well as sectors of the broader and rural communities. It is important that commentary offered on plantations and policies developed in respect of the plantation estate are shaped by the facts. Private Forests Tasmania is a statutory authority established under the *Private Forests Act 1994* and this paper is the result of Private Forests Tasmania undertaking the most comprehensive assessment of the extent, location and nature of the private plantation estate in Tasmania.

The paper presents facts about Tasmania's private plantation estate. It does not provide any interpretation of the data presented. The paper is intended to be a source document to which interested parties may refer and to which they can turn in the knowledge that the data contained is both reliable and authoritative.

In this paper, the private plantation estate means plantations by private land tenure, not tree ownership. In other words, the data

is for those plantations established on privately owned land, and it therefore includes a very small component of plantations (<1,000 hectares) established by and managed by Forestry Tasmania on private land. In this paper, the private plantation estate does not include plantations on parcels of State forest land for which Forestry Tasmania holds freehold title, plantations managed by private individuals or companies established on state forest or other publicly owned land or the softwood plantation estate managed by Taswood Growers, the joint venture established by Forestry Tasmania and GMO Resources and managed by Rayonier, as these plantations are established on publicly owned land.

Where a percentage figure is given, it is rounded to the nearest decimal point, with rounding down where a decimal figure is 1 – 4 inclusive and up where the decimal figure is 5 – 9 inclusive. For example, both 4.25 and 4.26 are rounded to 4.3 whereas 4.24 is rounded to 4.2.

The private plantation estate in Tasmania as at 31 December 2006 is 150,407 hectares. The addition of figures in some Tables in the paper may result in a slightly different total as the result of rounding, which also accounts for very minor differences in totals recorded in some Tables and between some Tables. For example, Tables 3 and 5 result in total plantation figures of 150,407 ha and 150,405 ha respectively.

Data in the tables in respect of plantations on private land is at 31 December 2006; all other data is as at 30 June 2006. The area of plantation quoted is nett area, that is, the actual area planted to trees. Surrounding and within a plantation there are roads and other areas not planted to trees and together with the actual area planted is often referred to as the gross plantation area. The accuracy of the net area estimate is deemed to be good with the net area measured using global position systems, aerial photography, satellite imagery or a combination of two or more methodologies.

The terms softwood and hardwood plantation are used throughout this paper. The term softwood plantation refers to plantations of conifer species, the vast majority being *Pinus radiata*. There are smaller areas of other Pinus and Cypress species. Hardwood plantations primarily consist of *Eucalyptus globulus* (Tasmanian Blue Gum) and *E. nitens* (Shining Gum) plantings and also include very small areas of other Eucalyptus species and *Acacia melanoxylon* (Blackwood).

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### 1.0 Forest cover in Tasmania

Tasmania has a landmass of 6,852,000 hectares, of which approximately 3,389,200 hectares (49.5% of the state's landmass) is covered by forest. The forest estate can be broadly split into two categories – native forest and plantation forest.

Tasmania's native forest estate totals 3,135,000 hectares and the plantation estate 254,207 hectares.

#### 1.1 Tasmania's forest estate

Tasmania's forest estate can be classified into the following broad categories:

Table 1 – Tasmania's forest estate

Forest Category	Total area (hectares)	% of total forest cover	% of total landmass
Publicly owned multiple-use native forests	1,128,000	33.3	16.5
Publicly owned native forests in reserves	1,122,000	33.1	16.4
Privately owned native forest	885,000	26.1	12.9
Plantation forests on state forest	102,000	3.0	1.5
Plantations on other public land	1,800	0.1	0.0
Plantation forests on private land	150,407	4.4	2.2
<b>Total</b>	<b>3,389,207</b>	<b>100</b>	<b>49.5</b>

Sources: *Australia's forests at a glance 2007* (Bureau of Rural Sciences, 2007) and *Sustainability Indicators for Tasmanian Forests 2001 – 2006* ([www.dpac.tas.gov.au](http://www.dpac.tas.gov.au)) except the figure for plantation forests on private land which is produced by *Private Forests Tasmania* based on area update information from industrial plantation companies and GIS analysis of the plantations on private property undertaken in the period March - May 2007.

### 1.2 Plantation forest estate

Tasmania's plantation forest estate of 254,207 hectares can be classified into the following broad categories:

Table 2 – Tasmania's plantation forest estate

Forest Category	Total area (hectares)	% of total plantation area	% of total forest cover	% of total landmass
Plantations on state forest	102,000	40.1	3.0	1.5
Plantations on other public land	1,800	0.7	0.1	0.0
Hardwood plantations on private land	129,853	51.1	3.8	1.9
Softwood plantations on private land	20,554	8.1	0.6	0.3
<b>Total</b>	<b>254,207</b>	<b>100.0</b>	<b>7.5</b>	<b>3.7</b>

Tasmania's private plantation estate is 150,407 hectares and covers 2.2% of Tasmania's landmass.

### 1.3 Tasmania's plantation estate in the Australian context

Following are some brief comparative facts about Tasmania's plantation estate<sup>1</sup>:

- Tasmania has 13.9% of Australia's total plantation estate (this includes plantations on both public and private land). The private plantation sector in Tasmania has 8.2% of Australia's total plantation estate
- The proportion of Tasmania's plantation estate on private land is 59.2% – the highest of all states and territories in Australia
- Plantations established in Tasmania in 2006 represent 28.9% of plantations established in Australia in 2006
- Plantations established in Tasmania over the period 2001 – 2006 represent 21% of all plantations established in Australia during that period

<sup>1</sup>Source: Based on data contained in *Australia's Plantations 2007* (Bureau of Rural Sciences) and the updated data on the private plantation estate in this paper. The NPI records that plantations established in Tasmania in 2006 accounted for 26% of all plantations established in Australia in 2006. However, that calculation was based on a lower estimate of plantations established in Tasmania in 2006, so the figure has been recalculated on the basis of the updated figure for new plantations established on private land in Tasmania in 2006 contained in this paper.

## Private Property Plantations in the Landscape in Tasmania as at 31 December 2006

### 2.0 Plantations on private property

#### 2.1 Private plantation estate by establishment year

Table 3 indicates the area of plantations established in Tasmania on privately owned land over each of the past five years and cumulatively pre-December 31, 2001.

Table 4 indicates the establishment of plantations in Tasmania on privately owned land over each of the past five years and cumulatively pre-December 31, 2001 as a proportion of the total private plantation estate of 150,407 hectares.



Table 3 – Private plantation estate by establishment year

	Pre 31 Dec 2001	2002	2003	2004	2005	2006	Unknown age	Total
Hardwood plantations	69,640	7,732	8,832	9,757	10,263	21,075	1,880	129,178
Softwood plantations	16,976	273	79	152	282	2,442	351	20,555
Plantation species unknown	6						668	674
<b>Plantation sub-total</b>	<b>86,622</b>	<b>8,004</b>	<b>8,910</b>	<b>9,909</b>	<b>10,545</b>	<b>23,517</b>	<b>2,899</b>	<b>150,407</b>

Table 4 – Private plantation estate by establishment year as percentage of total private plantation estate

	Pre 31 Dec 2001	2002	2003	2004	2005	2006	TOTAL
Hardwood plantations	48.0	5.1	5.8	6.5	6.8	14.0	86.3
Softwood plantations	11.5	0.2	0.1	0.1	0.2	1.6	13.7
<b>Total</b>	<b>59.5</b>	<b>5.3</b>	<b>5.9</b>	<b>6.6</b>	<b>7.0</b>	<b>15.6</b>	<b>100</b>

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## 2.2 Private plantation estate: previous land cover

Tables 5 sets out the extent to which plantations have been established on converted native forest, established on land that had previously been cleared and was not under forest cover, or established on land that was previously under plantation.

In Tables 5 and 6, converted native forest means any land that was native forest in the 3 years prior to the establishment of the plantation. Thus, a plantation established in 2005 on land that was native forest in 2002 is classified as being established on converted native forest, whereas a plantation established in 2005 on land that was cleared of native forest in 2001 or earlier is classified as being established on cleared land.

Table 5 – Plantations established and previous land cover

PLANTATION TYPE	AREA (HECTARES)						
	Pre 1995	1995 – 31 December 2002	2003	2004	2005	2006	TOTAL
Hardwood (Converted Native Forest)	N/A	23,123	4,311	3,039	3,018	3,428	36,919
Hardwood (Cleared Land)	N/A	25,088	1,148	3,543	6,222	16,031	52,032
Hardwood (Replanting on plantation area)	19,684	9,412	3,362	3,156	1,022	1,616	38,252
Softwood (Converted Native Forest)	N/A	1,953	26	1	9	490	2,479
Softwood (Cleared Land)	N/A	3,242	43	131	230	1,465	5,111
Softwood (Replanting on plantation area)	11,353	674	10	20	44	487	12,588
Plantation age or species or previous forest type unknown	2,906	88	11	18	0	0	3,023
<b>Total</b>	<b>33,943</b>	<b>63,580</b>	<b>8,911</b>	<b>9,908</b>	<b>10,545</b>	<b>23,517</b>	<b>150,405</b>

N/A – Data is not available.

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Table 6 – Plantations established and previous land cover (proportion of total private plantations)

PLANTATION TYPE	% OF TOTAL PRIVATE PLANTATION ESTATE						TOTAL
	Pre 1995	1995 – 31 December 2002	2003	2004	2005	2006	
Hardwood (Converted Native Forest)	N/A	15.4	2.9	2.0	2.0	2.3	24.7
Hardwood (Cleared Land)	N/A	16.9	0.8	2.4	4.1	10.7	34.9
Hardwood (Replanting on plantation area)	13.1	6.3	2.2	2.1	0.7	1.1	25.5
Softwood (Converted Native Forest)	N/A	1.3	0.0	0.0	0.0	0.3	1.6
Softwood (Cleared Land)	N/A	2.2	0.0	0.1	0.2	1.0	3.5
Softwood (Replanting on plantation area)	7.5	0.4	0.0	0.0	0.0	0.3	8.2
Plantation age or species or previous forest type unknown	1.9	0.1	0.0	0.0	0.0	0.0	2.0
<b>Total</b>	<b>22.5</b>	<b>42.6</b>	<b>5.9</b>	<b>6.6</b>	<b>7.0</b>	<b>15.7</b>	<b>100.0</b>

N/A - Data is not available.

Note: Due to rounding to the nearest 0.1, the totals on the bottom line when added add up to 100.3% and when the totals in the right hand column are added they add up to 100.4%. These rounding factors are not significant.

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### 2.3 Private plantations by establishment area

Plantations on private land are integrated into a broader landscape and Table 7 indicates the relative proportion of plantations of differing sizes. Approximately one-third of all plantations on private land in Tasmania are less than 30 hectares in area and approximately one-quarter of all plantations on private land are less than 20 hectares in area.

Table 7 – Private plantations by establishment area

Area of Plantation	Total Area	% of plantation area
0 - 5 hectares	5,978	4.0%
5 - 10 hectares	7,509	5.0%
10 - 20 hectares	19,451	12.9%
20 - 30 hectares	16,268	10.8%
30+ hectares	101,201	67.3%
	<b>150,407</b>	<b>100.0%</b>

### 2.4 Plantations by ownership and management

Plantations on private land are either managed by the owner of the land on which they are established or are managed by a second party on land that is leased or subject to a joint venture agreement. Table 8 shows plantation area managed by the owner of the land on which a plantation is established or managed by a party under a lease arrangement with the land owner.



Table 8 – Plantations on private land by land ownership and management

Hardwood	Age not known	Pre 31 Dec 2002	2003	2004	2005	2006	Total
Manager is owner	2548	61,192	6,942	6,007	6,391	15,767	98,847
Manager is leasing	0	16,110	1,884	3,748	3,870	5,307	30,919
Softwood	Age not known	Pre 31 Dec 2002	2003	2004	2005	2006	
Manager is owner	351	15,391	79	151	282	883	17,138
Manager is leasing	0	1,856	0	1	0	1,559	3,415
							<b>150,318</b>
							89
							<b>150,407</b>

Difference in area is due to two separate owners claiming part or all of same titles

Total private plantation area

Note: For the purposes of Table 8, plantations established on land identified as leased by the plantation manager also includes land where the manager is in a joint venture arrangement but may not have a lease over the land on which the plantation is established.

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### 2.5 Plantations by property coverage analysis

Plantations are integrated into a wider property context to some degree or another. In some cases, a plantation occupies as great a proportion of a property as geography and the Forest Practices Code will permit, while in other cases plantations are only one of a number of primary production pursuits on the property.

A property is an area of land, comprising one or more titles, identified in the land information system Tasmania (LIST) as a single unit for rating and valuation purposes. An individual agricultural operation may be pursued solely on a single property as identified on the LIST, but it is also possible that a number of properties as identified in the LIST are managed for primary production as a single unit. An individual, partnership or company may own more than one property in the same location or on a statewide basis.

There are 4,853 private properties in Tasmania with plantations, with 81% of these properties having plantation cover less than 50% of the property area. There are 2,825 properties (58.2% of the total number of private properties with plantations) where the plantation cover is 10% or less of the property.

Graph 1 – Plantation as proportion of property

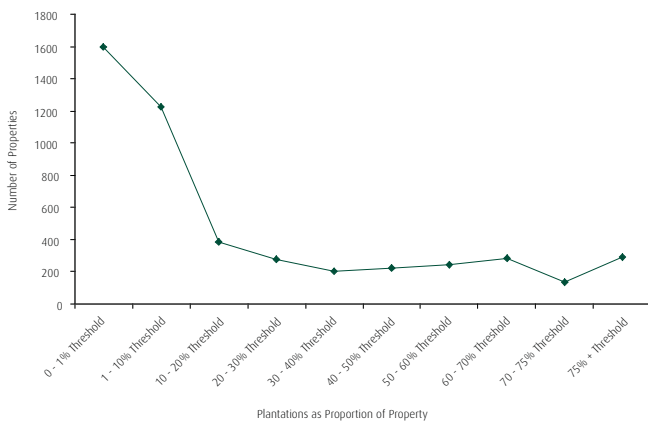


Table 9 shows the number of properties where the plantation area constitutes more than or less than 50% of the property area while Table 10 shows the distribution of the number of plantations by plantation coverage of the property in 10 percentile groupings.

Graph 1 shows the distribution of the number of plantations by plantation coverage of the property in 10 percentile groupings.

Table 9 – Plantations on private property by proportion of property cover

Property Type	Number of properties with plantation	Area of plantation (hectares)	% Of properties with plantations	% Of total plantation area
Plantations on land not allocated a property identification number	Unknown	3,568	Unknown	2.4%
Property with >50% plantation	943	75,373	19.4%	50.1%
Property with <50% plantation	3,910	71,466	80.6%	47.5%
<b>Total</b>	<b>4,853</b>	<b>150,407</b>	<b>100.00%</b>	<b>100.00%</b>

Table 10 – Plantations on private property by proportion of property cover

Threshold	Number of properties
0 - 1% Threshold	1599
1 - 10% Threshold	1226
10 - 20% Threshold	387
20 - 30% Threshold	277
30 - 40% Threshold	201
40 - 50% Threshold	220
50 - 60% Threshold	241
60 - 70% Threshold	282
70 - 75% Threshold	132
75% + Threshold	288
<b>Total</b>	<b>4853</b>

## Private Property Plantations in the Landscape in Tasmania as at 31 December 2006

### 2.6 Plantations established on agricultural land

The Tasmanian Department of Primary Industry and Water (DPIW)<sup>3</sup> uses the Land Capability Classification System (LCCS) to assess, classify and map land according to its ability to support a range of crops on a long term sustainable basis. Land that is assessed as being class 1, 2, 2-3 or 3 is regarded as 'prime agricultural land'. Where land is classified as 3-4, then DPIW allocates 60% of the land as class 3 and 40% of the land as class 4.

As at 31 December 2006, there were 107,005 hectares of land mapped and assessed as Class 1-3 land and 596,104 hectares of land mapped and assessed as Class 4 land.

#### 2.6.1 Plantations on Class 1-3 land

As at 31 December 2006 there were 5,290 hectares of plantations established on land mapped as Class 1-3, representing 3.5% of the total private plantation estate and 4.9% of the total area of 107,005 hectares of land mapped as Class 1-3 land.

In calendar year 2006, there were 226 ha of plantations established on land mapped as Class 1-3 land, representing 1.0% of the private plantation area established in 2006, and covering 0.2% of the total area of land mapped as Class 1-3 land.

Over the five years 2002 to 2006, there were 1,357 hectares of plantations established on land mapped as being Class 1-3 land representing 2.2% of plantations established during that period, and covering 1.3% of the total area of land mapped as Class 1-3 land.

#### 2.6.2 Plantations on Class 4 land

As at 31 December 2006 there were 35,095 hectares of plantations established on land mapped as Class 4, representing 23.3% of the total private plantation estate in Tasmania and 5.9% of the total area of 596,104 hectares of land mapped as Class 4 land.

In calendar year 2006, there were 8,446 hectares of plantations established on land mapped as Class 4 land, representing 35.9% of the private plantation area established in 2006 and covering 1.4% of the total area of land mapped as Class 4 land.

Over the five years 2002 to 2006, there were 16,835 hectares of plantations established on land mapped as being Class 4 land representing 27.7% of plantations established during that period and covering 2.8% of the total area of land mapped as Class 4 land.

Table 11 shows plantation establishment by area on Class 1-3 land on a statewide basis by year of planting.

Table 11 – Plantations established on Class 1-3 land by year of planting (area in hectares)

	Pre-31 Dec 2001	2002	2003	2004	2005	2006	Age unknown	Total
Total area mapped as Class 1-3	107,005	107,005	107,005	107,005	107,005	107,005	107,005	107,005
<b>Plantation Type</b>								
Hardwood plantations on Class 1-3	3,753	359	275	110	217	225	8	4,947
Softwood plantations on Class 1-3	180	6	2	2	6	2	6	204
Plantation species unknown	0	0	0	0	0	0	139	139
<b>Sub-total of plantations on Class 1-3 land</b>	<b>3,933</b>	<b>366</b>	<b>277</b>	<b>112</b>	<b>223</b>	<b>226</b>	<b>154</b>	<b>5,290</b>
Hardwood plantations as % of Class 1-3 land	3.5	0.3	0.3	0.1	0.2	0.2	0.0	4.6
Softwood plantations as % of Class 1-3 land	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Unknown Plantations as % of Class 1-3 land	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
<b>Sub-total % of Class 1-3 land</b>	<b>3.7</b>	<b>0.3</b>	<b>0.3</b>	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.1</b>	<b>4.9</b>

<sup>3</sup>The evaluation is based on the degree of limitation imposed on that land by a variety of physical factors which include erosion, soils, wetness and climate. The land is evaluated on the basis of the range of potential crops, productivity, and ease of management and risk of degradation. Only broad acre agricultural crops and pastoral activities are considered, and only where they occur on private freehold and leased Crown land. LCC are deemed to be good indicators of potential cropping and pastoral suitability. More information is available at [www.dpiw.tas.gov.au](http://www.dpiw.tas.gov.au).

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Table 12 shows plantations established on Class 1-3 land by year of planting as a percentage of the total statewide private plantation estate.

**Table 12 – Plantations established on Class 1-3 land by year of planting (% of the private plantation estate)**

	Pre-31 Dec 2001	2002	2003	2004	2005	2006	Age unknown	Total
Hardwood plantations on Class 1-3 as % of plantation area	2.5	0.2	0.2	0.1	0.2	0.2	0.0	3.4
Softwood plantations on Class 1-3 as % of plantation area	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Unknown plantations on Class 1-3 as % of plantation area	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
<b>Sub-total of plantations on Class 1-3 as % of total private plantation area</b>	<b>2.6</b>	<b>0.2</b>	<b>0.2</b>	<b>0.1</b>	<b>0.2</b>	<b>0.2</b>	<b>0.1</b>	<b>3.6</b>

Land classifications based on a 60/40 split. Includes all 1-3 classifications (3+4, 4+3, 3+5 etc)

Table 13 shows plantation establishment by area on Class 4 land on a statewide basis by year of planting.

**Table 13 – Plantations established on Class 4 land by year of planting (area in hectares)**

	Pre 31 Dec 2001	2002	2003	2004	2005	2006	Unknown age	Total
Total area mapped as Class 4	596,104	596,104	596,104	596,104	596,104	596,104	596,104	596,104
<b>Plantation Type</b>								
Hardwood plantations on Class 4 land	14,932	2,223	2,039	1,251	2,680	7,232	366	30,723
Softwood plantations on Class 4 land	2,683	128	32	11	23	1,214	13	4,104
Plantation species unknown	0						267	267
<b>Sub-total of plantations on Class 4 land</b>	<b>17,615</b>	<b>2,351</b>	<b>2,072</b>	<b>1,263</b>	<b>2,703</b>	<b>8,446</b>	<b>645</b>	<b>35,095</b>
Hardwood plantations as % of Class 4 land	2.5	0.4	0.3	0.2	0.5	1.2	0.1	5.2
Softwood plantations as % of Class 4 land	0.5	0.0	0.0	0.0	0.0	0.2	0.0	0.7
Unknown Plantations as % of Class 4 land	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Sub-total % of Class 4 land</b>	<b>3.0</b>	<b>0.4</b>	<b>0.3</b>	<b>0.2</b>	<b>0.5</b>	<b>1.4</b>	<b>0.1</b>	<b>5.9</b>

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Table 14 shows plantations established on Class 4 land by year of planting as a percentage of the total statewide private plantation estate.

Table 14 – Plantations established on Class 4 land by year of planting (% of the private plantation estate)

	Pre-31 Dec 2001	2002	2003	2004	2005	2006	Age Unknown	Total
Hardwood plantations on Class 4 as % of plantation area	9.9	1.5	1.4	0.8	1.8	4.8	0.2	20.4
Softwood plantations on Class 4 as % of plantation area	1.8	0.1	0.0	0.0	0.0	0.8	0.0	2.7
Unknown plantations on Class 4 as % of plantation area	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
<b>Sub-total of plantations on Class 4 as % of total private plantation area</b>	<b>11.7</b>	<b>1.6</b>	<b>1.4</b>	<b>0.8</b>	<b>1.8</b>	<b>5.6</b>	<b>0.4</b>	<b>23.3</b>

### 3.0 Plantations in Tasmania by local government area

Plantations are not distributed evenly throughout the state, nor are they distributed across all land types. The information contained in Tables 15 – 17 indicates the area of private plantations established in each of the local government areas and by distribution across agricultural land mapped as Class 1-3 land and Class 4 land within each local government area.

Private plantations account for 2.2% of Tasmania's landmass.



## Private Property Plantations in the Landscape in Tasmania as at 31 December 2006

Table 15 – Plantations in Tasmania by local government area (hectares)

Local government area	Total local government land area (hectares)	Private property land area in local government area (hectares)	Private plantation area (hectares)	Private plantation area as proportion of local government area	Private plantation area as proportion of total private plantation area in Tasmania
<b>NORTHWEST</b>					
BURNIE	61,060	50,121	15,644	25.6%	10.4%
CENTRAL COAST	93,193	53,590	5,378	5.8%	3.6%
CIRCULAR HEAD	494,094	143,268	10,301	2.1%	6.8%
DEVONPORT	11,430	10,752	40	0.3%	0.0%
KENTISH	116,047	54,838	7,364	6.3%	4.9%
KING ISLAND	109,879	98,190	1	0.0%	0.0%
LATROBE	60,708	36,240	2,038	3.4%	1.4%
WARATAH/WYNYARD	352,916	106,379	30,515	8.6%	20.3%
WEST COAST	980,689	4,551	0	0.0%	0.0%
<b>Regional sub-total</b>	<b>2,280,016</b>	<b>557,929</b>	<b>71,281</b>	<b>3.1%</b>	<b>47.4%</b>
<b>NORTHEAST</b>					
BREAK O'DAY	353,722	103,718	7,369	2.1%	4.9%
DORSET	324,053	155,556	10,683	3.3%	7.1%
FLINDERS	200,794	86,475	252	0.1%	0.2%
GEORGE TOWN	66,406	44,089	3,322	4.9%	2.2%
LAUNCESTON	142,821	95,534	10,061	7.0%	6.7%
MEANDER VALLEY	332,748	149,056	10,933	3.3%	7.3%
NORTHERN MIDLANDS	513,867	410,297	3,302	0.6%	2.2%
WEST TAMAR	72,102	54,840	4,052	5.6%	2.7%
<b>Regional sub-total</b>	<b>2,006,153</b>	<b>1,099,566</b>	<b>49,974</b>	<b>2.5%</b>	<b>33.2%</b>
<b>SOUTH</b>					
BRIGHTON	17,987	15,710	31	0.2%	0.0%
CENTRAL HIGHLANDS	797,694	341,971	6,963	0.9%	4.6%
CLARENCE	40,219	33,478	30	0.1%	0.0%
DERWENT VALLEY	410,461	51,879	6,301	1.5%	4.2%
GLAMORGAN/ SPRING BAY	264,219	137,678	2,431	0.9%	1.6%
GLENORCHY	12,432	8,221	0	0.0%	0.0%
HOBART	7,800	6,462	1	0.0%	0.0%
HUON VALLEY	554,403	77,652	4,608	0.8%	3.1%
KINGBOROUGH	73,246	49,428	136	0.2%	0.1%
SORELL	59,402	49,671	2,167	3.6%	1.4%
SOUTHERN MIDLANDS	261,326	243,888	4,425	1.7%	2.9%
TASMAN	66,248	35,719	2,061	3.1%	1.4%
<b>Regional sub-total</b>	<b>2,565,437</b>	<b>1,051,756</b>	<b>29,154</b>	<b>1.1%</b>	<b>19.4%</b>
<b>Statewide Total</b>	<b>6,851,969</b>	<b>2,709,251</b>	<b>150,407</b>	<b>2.2%</b>	<b>100.0%</b>

## Private Property Plantations in the Landscape in Tasmania as at 31 December 2006

Table 16 – Plantations on Class 1-3 mapped land by local government area (hectares)

Local government area	Total land area	Private Plantation Area	Class 1-3 Land Area	Private Plantation Area on Class 1-3 Land	Private Plantations as Proportion of Class 1-3 Area
<b>NORTHWEST</b>					
BURNIE	61,060	15,644	7,002	670	9.6%
CENTRAL COAST	93,193	5,378	13,453	480	3.6%
CIRCULAR HEAD	494,094	10,301	16,697	1,667	10.0%
DEVONPORT	11,430	40	2,524	4	0.2%
KENTISH	116,047	7,364	7,302	540	7.4%
KING ISLAND	109,879	1	0	0	0.0%
LATROBE	60,708	2,038	7,868	35	0.4%
WARATAH/WYNYARD	352,916	30,515	11,038	1,026	9.3%
WEST COAST	980,689	0	0	0	0.0%
<b>Regional sub-total</b>	<b>2,280,016</b>	<b>71,281</b>	<b>65,884</b>	<b>4,422</b>	<b>6.7%</b>
<b>NORTHEAST</b>					
BREAK O'DAY	353,722	7,369	0	0	0.0%
DORSET	324,053	10,683	10,265	326	3.2%
FLINDERS	200,794	252	0	0	0.0%
GEORGE TOWN	66,406	3,322	1,235	16	1.3%
LAUNCESTON	142,821	10,061	645	29	4.5%
MEANDER VALLEY	332,748	10,933	18,941	464	2.5%
NORTHERN MIDLANDS	513,867	3,302	9,234	35	0.4%
WEST TAMAR	72,102	4,052	223	0	0.0%
<b>Regional sub-total</b>	<b>2,006,153</b>	<b>49,974</b>	<b>40,543</b>	<b>870</b>	<b>2.2%</b>
<b>SOUTH</b>					
BRIGHTON	17,987	31	0	0	0.0%
CENTRAL HIGHLANDS	797,694	6,963	0	0	0.0%
CLARENCE	40,219	30	0	0	0.0%
DERWENT VALLEY	410,461	6,301	0	0	0.0%
GLAMORGAN/ SPRING BAY	264,219	2,431	0	0	0.0%
GLENORCHY	12,432	0	0	0	0.0%
HOBART	7,800	1	0	0	0.0%
HUON VALLEY	554,403	4,608	45	0	0.0%
KINGBOROUGH	73,246	136	196	0	0.0%
SORELL	59,402	2,167	263	0	0.0%
SOUTHERN MIDLANDS	261,326	4,425	72	0	0.0%
TASMAN	66,248	2,061	0	0	0.0%
<b>Regional sub-total</b>	<b>2,565,437</b>	<b>29,154</b>	<b>576</b>	<b>0</b>	<b>0.0%</b>
<b>Statewide total</b>	<b>6,851,969</b>	<b>150,407</b>	<b>107,005</b>	<b>5,290</b>	<b>4.9%</b>

## Private Property Plantations in the Landscape in Tasmania as at 31 December 2006

Table 17 – Plantations on Class 4 land by local government area

Local government area	Total land area (hectares)	Private plantation area (hectares)	Class 4 land area (hectares)	Private plantations on Class 4 land (hectares)	Private plantations as proportion of Class 4 land
<b>NORTHWEST</b>					
BURNIE	61,060	15,644	13,585	5,014	36.9%
CENTRAL COAST	93,193	5,378	19,322	1,642	8.5%
CIRCULAR HEAD	494,094	10,301	19,481	1,613	8.3%
DEVONPORT	11,430	40	3,240	17	0.5%
KENTISH	116,047	7,364	19,970	3,541	17.7%
KING ISLAND	109,879	1	0	0	0.0%
LATROBE	60,708	2,038	12,783	519	4.1%
WARATAH/WYNYARD	352,916	30,515	12,384	2,743	22.1%
WEST COAST	980,689	0	0	0	0.0%
<b>Regional sub-total</b>	<b>2,280,017</b>	<b>71,280</b>	<b>100,764</b>	<b>15,088</b>	<b>15.0%</b>
<b>NORTHEAST</b>					
BREAK O'DAY	353,722	7,369	23,131	2,953	12.8%
DORSET	324,053	10,683	32,193	3,282	10.2%
FLINDERS	200,794	252	0	0	0.0%
GEORGE TOWN	66,406	3,322	18,670	1,606	8.6%
LAUNCESTON	142,821	10,061	27,952	3,942	14.1%
MEANDER VALLEY	332,748	10,933	73,017	3,660	5.0%
NORTHERN MIDLANDS	513,867	3,302	159,623	946	0.6%
WEST TAMAR	72,102	4,052	25,496	1,093	4.3%
<b>Regional sub-total</b>	<b>2,006,513</b>	<b>49,975</b>	<b>360,082</b>	<b>17,483</b>	<b>4.9%</b>
<b>SOUTH</b>					
BRIGHTON	17,987	31	4,781	14	0.3%
CENTRAL HIGHLANDS	797,694	6,963	28,915	500	1.7%
CLARENCE	40,219	30	9,930	0	0.0%
DERWENT VALLEY	410,461	6,301	5,601	25	0.5%
GLAMORGAN/ SPRING BAY	264,219	2,431	25,768	862	3.3%
GLENORCHY	12,432	0	372	0	0.0%
HOBART	7,800	1	21	0	0.0%
HUON VALLEY	554,403	4,608	2,600	12	0.5%
KINGBOROUGH	73,246	136	1,009	0	0.0%
SORELL	59,402	2,167	10,446	76	0.7%
SOUTHERN MIDLANDS	261,326	4,425	45,637	1,029	2.3%
TASMAN	66,248	2,061	178	6	3.1%
<b>Regional sub-total</b>	<b>2,565,438</b>	<b>29,152</b>	<b>135,258</b>	<b>2,524</b>	<b>1.9%</b>
<b>Statewide Total</b>	<b>6,851,969</b>	<b>150,407</b>	<b>596,104</b>	<b>35,095</b>	<b>5.9%</b>

## Private Property Plantations in the Landscape in Tasmania as at 31 December 2006

## 4.0 Plantation establishment in major water catchments

Plantations are established in many different parts of the landscape, and there is interest in understanding more about where plantations are located, most notably in respect of their establishment in water catchments. Table 18 shows private plantation establishment (combined hardwood and softwood) by area in each of 43 major water catchments in Tasmania. Catchments with no area of private plantations in the catchment are not included. The catchments are listed in alphabetical order on a statewide basis and cover approximately 82% of Tasmania's land mass.

Table 18 – Plantations on private land by catchment areas

Catchment name	Catchment area (hectares)	Private property area (hectares)	Plantation area on private property (hectares)	Plantation on private land as proportion of total catchment area
Arthur	251,865	41,498	17,378	6.9%
Black-Detention	65,639	23,861	1,821	2.8%
Blythe	37,320	22,260	2,741	7.3%
Boobyalla-Tomahawk	64,479	33,464	1,258	1.9%
Brumbys-Lake	148,248	95,426	969	0.6%
Cam <sup>4</sup>	29,219	26,836	8,039	27.5%
Clyde	113,015	100,710	1,789	1.6%
Derwent Estuary-Bruny	127,395	79,218	170	0.1%
Duck	55,721	40,657	3,638	6.5%
Emu	24,983	20,207	6,602	26.4%
Forth-Wilmot	117,897	35,256	4,005	3.4%
Furneaux	201,758	85,395	252	0.1%
George	62,478	18,150	2,301	3.7%
Great Forester-Brid	78,842	41,065	3,002	3.8%
Huon	391,432	80,376	4,601	1.2%
Inglis	61,286	41,290	6,866	11.2%
Jordan	125,334	118,143	1,784	1.4%
King Island	109,672	98,115	1	0.0%
Leven	72,392	42,783	7,602	10.5%
Little Forester	35,283	19,382	2,909	8.2%
Little Swanport	88,581	64,903	1,299	12.7%
Lower Derwent	160,863	78,390	7,135	4.4%
Macquarie	273,669	240,632	531	0.2%
Meander	157,657	114,222	7,671	4.9%
Mersey	191,600	76,806	7,922	4.1%
Montagu	58,187	28,254	1,816	3.1%
Musselroe-Ansons	99,380	43,120	674	0.7%
Nelson Bay	86,242	1,760	811	0.9%
North Esk	106,387	61,003	7,695	7.2%
Ouse	150,091	104,908	1,229	0.8%
Pieman	415,878	12,381	1,217	0.3%
Pipers	75,239	46,046	3,747	5.0%
Pitt Water-Coal	97,017	82,663	1,340	1.4%
Prosser	115,538	71,220	3,587	3.1%
Ringarooma	97,365	34,721	3,987	4.1%
Rubicon	73,148	45,799	3,696	5.1%
Scamander-Douglas	70,709	17,034	26	0.1%
South Esk	334,499	185,326	5,818	1.7%
Swan-Apsley	142,897	61,913	487	0.3%
Tamar Estuary	117,422	88,721	4,106	3.5%
Tasman	95,826	59,178	2,884	3.0%
Upper Derwent	352,441	75,815	2,826	0.8%
Welcome	66,224	42,784	2,157	3.3%
<b>All catchments</b>	<b>5,601,117</b>	<b>2,701,694</b>	<b>150,407</b>	<b>2.7%</b>

<sup>4</sup>The Cam and Emu catchments include large tracts of land owned since the 1930s by forestry companies.

**Private Property Plantations in the Landscape in Tasmania as at 31 December 2006****HOW TO CONTACT US****LAUNCESTON**

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Private Forests Tasmania's Mission is to facilitate the sustainable management of native and plantation forestry on private land in Tasmania.

This includes:

- encouraging commercial wood production;
- encouraging the use of trees in land management;
- promoting the environmental benefits of trees and forests;
- promoting opportunities for competitive markets;
- optimising returns for all parties.



Tasmania  
Explore the possibilities