



APPENDIX 2 – DATA TABLES

*sustainable forest management*



Forestry Tasmania

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The tables in this section support the statements made in the main report and provide a more detailed view of long-term trends.

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# changes TO THE FOREST ESTATE DURING 2008/09

## Changes to the forest estate during 2008/09

### State forest

Changes during 2008-2009 (hectares):	
State forest created by land purchase	0
Net increase of state forest resulting from gazetted changes to public land classifications	3,609
State forest status removed through land sale	-4
<b>Net increase in the area of state forest</b>	<b>3,605</b>
Total area of state forest at 30 Jun 2009 <sup>1</sup>	1,492,000

### Forest reserves

Changes during 2008-2009 (hectares):	
Net decrease of forest reserves resulting from changes to public land classifications	-3
<b>Net decrease in forest reserves</b>	<b>-3</b>
Total area of forest reserves at 30 Jun 2009 <sup>1</sup>	222,000

### Multiple-use forest, including informal reserves

Changes during 2008-2009 (hectares):	
Net decrease in multiple-use forest resulting from changes in public land classifications	-27
<b>Net decrease in multiple-use forest</b>	<b>-27</b>
Total area of multiple-use forest at 30 Jun 2009 <sup>1</sup>	1,251,000

### AFS defined forest area

Extent of forested land that is managed by Forestry Tasmania and certified to the Australian Forestry Standard (AS4708). <sup>2</sup>

Changes during 2008-2009 (hectares) <sup>2</sup> :	
Net increase in defined forest area resulting from changes in public land classification and changes to Forestry Tasmania management responsibilities	4,534
<b>Net increase in defined forest area</b>	<b>4,534</b>
Total area of defined forest area at 30 Jun 2009 <sup>2</sup>	1,439,000

#### Notes:

1. Figures in the total rows are not the sum of the columns but the rounded actual totals.

2. This area excludes some leases over state forest, and joint venture and leasehold plantations that are not managed by Forestry Tasmania, but may be separately certified.

# sustaining BIODIVERSITY AND HABITAT

## Area of forest type by protection classification on state forest

Forest type	2004/05		2005/06		2006/07		2007/08		2008/09		Change since 01-02	
	Forest reserve	Informal reserve	Forest reserve	Informal reserve <sup>6</sup>	Forest reserve	Informal reserve	Forest reserve	Informal reserve <sup>6</sup>	Forest reserve	Informal reserve <sup>6</sup>	FR <sup>1</sup>	IR <sup>2</sup>
Tall eucalypt forest	42,100	64,700	42,100	86,000	48,300	80,300	49,200	83,800	<b>49,200</b>	<b>86,100</b>	7,300	25,300
Short eucalypt forest	67,400	66,000	67,400	93,600	71,800	89,000	71,600	89,500	<b>71,600</b>	<b>89,500</b>	4,800	26,900
Rainforest	37,700	23,200	37,700	99,100	67,500	62,500	67,400	62,900	<b>67,400</b>	<b>61,800</b>	29,100	38,900
Other native forest	9,100	10,200	9,100	16,000	10,700	14,000	10,800	14,700	<b>10,900</b>	<b>14,800</b>	1,300	4,900
Non forest	18,500	35,700	18,600	52,400	23,700	46,100	23,100	44,200	<b>23,000</b>	<b>45,400</b>	4,700	8,800
Hardwood plantation <sup>5</sup>	0	150	0	200	0	300	100	400	<b>100</b>	<b>200</b>	50	40
Softwood plantation <sup>5</sup>	100	100	100	100	100	100	100	200	<b>100</b>	<b>100</b>	20	50
<b>Total <sup>3,4</sup></b>	<b>174,900</b>	<b>200,100</b>	<b>175,000</b>	<b>347,500</b>	<b>222,200</b>	<b>292,400</b>	<b>222,200</b>	<b>295,600</b>	<b>222,100</b>	<b>298,000</b>	<b>47,100</b>	<b>104,900</b>

1. Change in forest reserve due to continuous remapping of forest type as photo interpretation is undertaken

2. Increases as more forest added to informal reserves

3. Areas include Buckland Military Training Area

4. Total row is rounded actual totals

5. Plantations added because it exceeds 100 ha

6. This figure includes land intended for formal reserves under the TCFA. The formal TCFA reserves were not dedicated as at 30th June 2006, so are counted as informal.

# sustaining BIODIVERSITY AND HABITAT

## Area protected on state forest

Land classification state forest area (ha)	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	(%) SF area at 30/06/09
Forest reserves	175,000	175,000	175,000	174,900	222,200	222,200	222,100	14.7%
Informal reserves	196,000	198,000	200,100	347,500 <sup>4</sup>	292,400	295,600	298,000	19.7%
Native forest outside wood production areas <sup>1</sup>	369,000	370,000	385,900	288,200	292,000	295,500	306,900	20.3%
Total non production area <sup>2,3</sup>	740,000	743,000	760,900	810,600	806,600	813,300	827,000	54.7%
Managed primarily for protection	49%	49%	50%	53%	53%	54%	55%	

1. Areas currently not part of the wood resource due to such factors as non-commercial forest, excessive slope, streamside reserves, inaccessibility, etc.

2. Area includes Buckland Military Training Area.

3. Figures in total rows are not the sum of the columns, but the actual rounded totals. Percentages calculated on actual areas.

4. This figure includes land intended for formal reserve under the TCFA. The formal TCFA reserves were not yet dedicated as at 30 June 2006, so are counted as informal.

5. Some figures amended to include reserved plantations in reserves, rather than production forest.

## Summary of work undertaken in 2008/09 that related to improving our understanding of threatened species

	Flora	Fauna	Total
Total strategic management plans <sup>1</sup>	6	13	19
Research in 2008/2009 <sup>2</sup>	0	10	10
Area covered by habitat surveys in 2008/2009 <sup>3</sup>	6,147	50,869	57,016
New sites recorded in 2008/2009	390	108	498
Threatened Species working groups/ meetings in 2008/2009	0	4	4

1. Strategic Management Plans include approved and draft (being implemented) Recovery Plans, PAMAs, Strategic Management Agreements and Management Plans, agreed jointly between Forestry Tasmania, Forest Practices Authority, and the Department of Primary Industries, Parks, Water and Environment.

2. Includes research studies conducted, funded, participated or initiated by FT.

3. Surveys conducted in state forests by qualified experts.

# sustaining BIODIVERSITY AND HABITAT

## Forest type by land classification ('000s hectares)

Forest type	State forest (excl. forest reserves)	Forest reserves	Conservation reserves (Nature Conservation Act 2002)	Public reserves (Crown Lands Act)	Other publicly managed land <sup>3</sup>	Other private land <sup>4</sup>	Total area
<b>Tall native eucalypt forest:</b> Eucalypt forest with current or potential height of 34m or more	477	49	177	5	12	160	881
<b>Short native eucalypt forest:</b> Eucalypt forest with current or potential height of less than 34m	327	71	403	11	46	663	1,522
<b>Rainforest:</b> Cool temperate rainforest with no significant eucalypt or acacia	135	67	330	0	5	17	555
<b>Other native forest:</b> Including acacia spp, melaleuca etc.	53	11	49	1	5	32	151
<b>Softwood plantation</b>	53	0	0	1	0	20	74
<b>Hardwood plantation</b>	53	0	0	0	1	129	183
<b>Non forest <sup>6</sup></b> Including scrub, moorland, farmland, rock and lakes	171	23	1,379	24	159	1,691	3,447
<b>Total</b>	<b>1,269</b>	<b>222</b>	<b>2,339</b>	<b>43</b>	<b>227</b>	<b>2,712</b>	<b>6,813</b>

### Notes:

1. Areas reported in this table include land, inland waterbodies and islands. Sea and marine estuaries are excluded.
2. The areas for forest are derived from detailed forest type mapping, which is continually updated. Generally, state forest mapping is updated annually, but remapping of other tenures is less frequent.
3. 'Other publicly managed land' includes land owned by, or vested in, the HEC and Commonwealth; municipal reserves; and private and municipal lands managed by the Wellington Park Management Trust.
4. Private property forest areas are as advised by Private Forests Tasmania, and generally reflect forest mapping as at December 2006.
5. All areas are rounded to thousands of hectares as at 30 June 2009. Figures in the total rows are not the sum of the columns but the rounded actual totals
6. Because this table is derived from the spatial integration of several independently compiled datasets, some spatial discrepancies have been inherited. Areas where neither PFT nor FT forest data extend to the DPIPW coastline are recorded as non forest.

# *sustaining* JOBS FOR CURRENT AND FUTURE GENERATIONS

## Wood production by district

Forest type	Product	Bass	Derwent	Huon	Mersey	Murchison	Total
<b>Native forest</b>	Sawlog Cat. 1 & 3 (m <sup>3</sup> )	35,374	92,233	63,321	11,012	36,984	238,924
	Sawlog Cat. 2 & 8 (m <sup>3</sup> )	26,318	5,478	1,137	8,088	15,592	56,613
	Veneer (m <sup>3</sup> )	3,625	1,120	1,037	19	429	6,230
	Regrowth peeler (tonnes)	240	0	0	207	21,787	22,234
	Domestic peeler (m <sup>3</sup> )	13,944	0	119,701	4,866	47,589	186,100
	Special species (m <sup>3</sup> )	814	1,270	1,326	14	9,073	12,497
	Pulpwood (tonnes)	634,275	528,777	316,699	178,528	347,169	2,005,448
	Fuel & firewood (m <sup>3</sup> )	394	1,730	2,174	891	13,524	18,713
	Posts & poles (units)	977	1,827	2,080	260	3,452	8,596
	Craftwood (units)	25	350	72	0	138	585
	Minor products	0	44	2,479	0	452	2,975
	<b>Native forest total</b>	<b>715,986</b>	<b>632,829</b>	<b>510,026</b>	<b>203,885</b>	<b>496,189</b>	<b>2,558,915</b>
<b>Plantation</b>	Softwood sawlog (m <sup>3</sup> )	1,108	8,781	0	634	57,744	68,267
	Softwood export log (m <sup>3</sup> )	0	0	0	0	0	0
	Softwood roundwood (m <sup>3</sup> )	0	0	0	0	0	0
	Posts & poles (units)	0	256	0	0	0	256
	Young eucalypt sawlog (m <sup>3</sup> )	7,361	393	0	0	0	7,754
	Softwood pulpwood (tonnes)	4,638	111,257	0	8,483	18,395	142,773
	Eucalypt pulpwood (tonnes)	50,709	23,057	10,445	24,340	26,998	135,549
	<b>Plantation total</b>	<b>63,816</b>	<b>143,744</b>	<b>10,445</b>	<b>33,457</b>	<b>103,137</b>	<b>354,599</b>

NB. The quantities reported for softwood plantation production exclude production from Taswood Growers. This is the softwood joint venture company owned by Forestry Tasmania and GMO Renewable Resources.

# *sustaining* JOBS FOR CURRENT AND FUTURE GENERATIONS

## Wood volume and value summary

Eucalypt wood production	2005/06 volume	Estimated MDLV (\$)	2006/07 volume	Estimated MDLV (\$)	2007/08 volume	Estimated MDLV (\$)	2008/09 volume	Estimated MDLV (\$)
Sawlog cat 1 & 3 (m <sup>3</sup> )	320,700	28,864,700	301,500	27,740,300	297,915	28,301,925	238,925	23,175,725
Sawlog cat 2 & 8 (m <sup>3</sup> )	85,100	5,613,800	51,800	3,469,100	87,090	6,096,300	60,689	4,308,919
Veneer (m <sup>3</sup> )	9,300	1,129,700	5,600	695,300	6,036	784,680	6,229	822,228
Regrowth peeler log (t)	150,900	11,169,100	211,200	16,051,000	88,694	7,006,826	22,235	1,778,800
Domestic peeler log (m <sup>3</sup> )	0	0	0	0	120,896	8,100,032	193,429	13,153,172
Special species log (m <sup>3</sup> )	13,600	1,464,500	15,300	1,687,700	21,703	2,474,142	12,496	1,449,536
Pulpwood (t)	2,191,100	120,512,300	2,136,700	119,654,500	2,230,874	129,390,692	2,004,226	118,249,334
Hardwood pltn production	2005/06 volume	Estimated MDLV (\$)	2006/07 volume	Estimated MDLV (\$)	2007/08 volume	Estimated MDLV (\$)	2008/09 volume	Estimated MDLV (\$)
Sawlog (t)	6,900	485,200	8,700	618,400	8,087	598,438	7,754	581,550
Pulpwood (t)	89,600	5,556,400	126,200	7,948,300	176,703	11,485,695	135,549	8,946,234
Softwood pltn production	2005/06 volume	Estimated MDLV (\$)	2006/07 volume	Estimated MDLV (\$)	2007/08 volume	Estimated MDLV (\$)	2008/09 volume	Estimated MDLV (\$)
Sawlog (t)	443,200	31,909,200	417,000	30,856,600	440,517	33,919,809	311,018	24,259,404
Export logs (t)	69,000	4,968,200	57,000	4,215,800	8,620	663,740	0	0
Roundwood (t)	7,700	475,400	9,000	565,300	10,766	699,790	11,806	779,196
Pulpwood (t)	355,900	22,064,400	376,900	23,747,000	347,617	22,595,105	303,675	20,042,550
<b>Total MDLP (\$)</b>		<b>234,212,900</b>		<b>237,249,291</b>		<b>252,117,174</b>		<b>217,546,648</b>

MDLV = Mill door landed value (estimated market value of logs at mill door or 'at wharf' for export logs). Quantities for softwood plantation are the full production figures for Taswood Growers, and production from other small Forestry Tasmania managed resources including Strahan plantation.



# *sustaining* JOBS FOR CURRENT AND FUTURE GENERATIONS

## Pulpwood audit summary

Total	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09
Pulpwood sales (t)	2,902,800	2,724,303	2,191,132	2,136,687	2,230,874	<b>2,005,448</b>
Pulpwood audited (t)	119,415	167,058	100,712	128,010	156,016	<b>158,559</b>
Sawlog recovered (t)	255	225	110	75	59	<b>169</b>
% Audited	4.11%	6.13%	4.60%	5.99%	6.99%	<b>7.91%</b>
% Sawlog recovery	0.021%	0.01%	0.01%	0.00%	0.00%	<b>0.01%</b>

## Merchantable residue assessment summary

Year	Number coupes audited	Mean (m <sup>3</sup> /ha)	Median (m <sup>3</sup> /ha)
2000/01	42	4.60	3.28
2001/02	87	3.24	2.28
2002/03	95	3.20	2.10
2003/04	91	2.36	2.37
2004/05	101	2.18	1.46
2005/06	104	1.87	1.16
2006/07	117	1.68	1.39
2007/08	93	1.97	1.60
2008/09	95	2.28	2.00

## Native forest harvesting and regeneration summary

Report year	Native forest			
	Area clearfelled	Area of partial harvesting	Total	Area regenerated <sup>1</sup>
2003/04	8,119	8,476	16,595	11,300
2004/05	7,453	8,283	15,736	12,300
2005/06	5,519	6,888	12,407	10,900
2006/07	6,413	4,917	11,330	8,000
2007/08	4,769	7,962	12,731	10,200
2008/09	4,057	8,075	12,132	11,300

1. The area regenerated would typically represent the regeneration of the area that was harvested the previous year.

# sustaining JOBS FOR CURRENT AND FUTURE GENERATIONS

## Plantation establishment

SW: softwood HW: hardwood <sup>3</sup>	New area planted <sup>7</sup>		Area replanted <sup>8</sup>		Net area of plantation <sup>5</sup>	
	2008-2009 <sup>1</sup> (ha)		2008-2009 <sup>1</sup> (ha)		at 30-6-2009 (ha)	
Ownership	SW	HW	SW	HW	SW	HW
Forestry Tasmania (FT) plantation on state forest & Crown land	0	1,592	36	573	3,889	30,482
FT joint venture plantation on state forest & Crown land <sup>2</sup>	0	567	1,223	431	48,294	6,752
FT joint venture plantation on private land	0	0	0	0	0	211
Tassie Trees Trust plantation on state forest <sup>4</sup>	0	0	0	0	305	1,508
FT plantation on private land	0	0	0	0	0	828
Private plantation on state forest	0	32	0	8	2	14,861
<b>Total 2008-2009<sup>6</sup></b>	<b>0</b>	<b>2,191</b>	<b>1,259</b>	<b>1,013</b>	<b>52,490</b>	<b>54,640</b>
(Total 2007-2008)	0	3,179	1,749	633	53,165	52,718

### Notes:

1. Planting period for mapping and reporting purposes is from 1st July 2008 to 30th June 2009.
2. Includes the softwood plantations which are 50% owned by GMO Renewable Resources, for which data are supplied by Timberlands Limited as at 30th June 2009, and softwood plantations jointly owned with Norske-Skog, for which data are supplied by Norske-Skog as at 1st June 2009.
3. The majority of mixed hardwood/softwood plantations are reported as hardwood.
4. Tassie Trees Trust plantations are mainly jointly-owned with private growers, but include small proportions owned solely by FT.
5. Totals exclude plantation areas clearfelled but not yet re-planted.
6. Figures in the total rows are not the sum of the columns but the rounded actual totals.
7. New plantings are from harvestings commenced prior to 31st December 2006, and also some remedial replanting of failed recent first rotation plantings.

## Plantation established on previously cleared native forest (i.e where harvesting was initiated prior to 31/12/2006)

State native forest	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09
Annual conversion	2,780	5,400	5,100	3,100	4,550	3,200	<b>2,191</b>
Cumulative NF converted since 1996 (ha) <sup>1</sup>	24,980	30,380	35,500	38,600	43,150	46,350	<b>48,541</b>
Proportion of 1996 statewide baseline	0.8%	1.0%	1.1%	1.2%	1.3%	1.4%	<b>1.50</b>

1. All tenures, as mapped in 1996 (3.21 million ha baseline).

# sustaining JOBS FOR CURRENT AND FUTURE GENERATIONS

## Native forest regeneration success – 2008/09

Forest Type	0-9% (not stocked)	10-39% (ecological stocking)	40-64% (low wood quality)	65-84% (optimum)	85-100% (maximum)	Total
Dry eucalypt <sup>1</sup>	0	57	1,495	1,487	80	3,119
Wet eucalypt <sup>1</sup>	0	18	58	939	274	1,289
High altitude <i>E. delegatensis</i> <sup>1</sup>	0	0	387	2,602	125	3,114
Fenced intensive blackwood <sup>1</sup>	0	0	0	0	0	0
Swamp blackwood <sup>2</sup>	0	0	0	0	0	0
Rainforest <sup>2</sup>	0	0	0	0	0	0
Huon pine forest <sup>2</sup>	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>75</b>	<b>1,940</b>	<b>5,029</b>	<b>478</b>	<b>7,522</b>
Unacceptable standard				% Area-met standard		93%

1. 2005/2006 sowing season.
2. 2003/2004 sowing season.

The definition of low wood quality production depends on the management objectives. In most cases the objective is to achieve a high level of future wood production, but this may vary according to other objectives, e.g. for wildlife or aesthetics. However, in all cases, a minimum ecological stocking must be achieved so that forest types, as defined by the Regional Forest Agreement and monitored under the Permanent Native Forest Estate policy, are maintained. Remedial treatments are mandatory for areas that have not met minimum ecological stocking. Further information is available in *Technical Bulletin 6* (Forestry Tasmania, 2003).

# sustaining JOBS FOR CURRENT AND FUTURE GENERATIONS

## Special timbers sawlog and craftwood

	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09
Blackheart sassafras	177	534	80	134	621	500
Blackwood	14,853	11,853	10,392	8,456	11,137	8,901
Celery top pine	2,460	1,124	482	1,149	1,427	881
Eucalypt/mixed species	737	2,363	436	5,092	6,389	1,735
Huon pine	143	1,176	610	366	620	354
King Billy pine	0	0	0	32	0	0
Myrtle	3,576	2,485	1,313	802	1,134	896
Silver wattle	646	1,058	355	374	480	262
White sassafras	176	150	33	94	139	15
<b>Total</b>	<b>22,768</b>	<b>20,743</b>	<b>13,701</b>	<b>16,498</b>	<b>21,947</b>	<b>13,543</b>

Only includes special species grown in native forests.

## Non-chemical browsing control summary

Treatment Type	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09
Number of shooting operations (no. of established areas)	196	359	261	248	356	419
Length of fencing (km)	22.5	23.3	0	3.7	14	32
Seedlings treated with repellent (ha)	17.7	5	10	0	14	0
Big seedlings (ha)	1	4	0	2	0	2
Tree guards (ha)	2	4	3	5	706	28
Stockings / sleeves (hectares) <sup>1</sup>	-	-	-	-	-	1,000

1. Note that up until 2007/08, stockings/sleeves were recorded as tree guards.

## Honey production summary

Year	Total volume (kg)
2002/03	698,054
2003/04	395,256
2004/05	406,121
2005/06	369,180
2006/07	670,539
2007/08	671,207
<b>2008/09</b>	<b>210,061</b>

# *sustaining* CARBON STORES, CLEAN AIR, WATER AND HEALTHY FORESTS

## Soil conservation

Year	Unavailable for harvest due to erosion hazard (hectares)	Number of landslips detected in the districts in year	Total area* managed for additional soil values (hectares)
2005/06	4,250	25	169,503
2006/07	4,279	7	169,174
2007/08	4,277	13	169,367
<b>2008/09</b>	<b>4,289</b>	<b>6</b>	<b>166,323</b>

Summary showing ares of state forest managed for soil conservation.

\* The total area includes areas managed for geoconservation.

## Geomorphology conservation

Year	Number of geomorphological sites identified	Area managed for geoconservation values (hectares)
2005/06	354	120,507
2006/07	160	120,246
2007/08	42	120,413
<b>2008/09</b>	<b>41</b>	<b>121,449</b>

Summary showing ares of state forest managed for geoconservation.

## Areas with moderate and severe damage

	2006/07		2007/08		2008/09	
	Moderate	Severe	Moderate	Severe	Moderate	Severe
Eucalyptus plantations:						
Soil fertility/ site issues	208	1,797	138	2,435	284	1,347
Insects	687	256	486	383	1,746	599
Multiple causes	343	657	106	878	247	1,038
Climate/ environmental	57	456	73	701	58	47
Unknown	193	62	173	71	72	112
Silvicultural	81	210	20	251	14	28
Mammals	103	296	9	116	0	68
Fungal diseases	168	149	66	0	77	63
Weeds	13	46	0	97	99	48
<b>Total</b>	<b>1,853</b>	<b>3,929</b>	<b>1,071</b>	<b>4,932</b>	<b>2,597</b>	<b>3,350</b>

# sustaining CARBON STORES, CLEAN AIR, WATER AND HEALTHY FORESTS

## Leaf beetle IPM system results for hardwood plantation

	2004/05	2005/06 <sup>1</sup>	2006/07 <sup>2</sup>	2007/08	2008/09
Area monitored (ha)	13,698	13,319	21,025	20,379	20,515
Area monitored that is above threshold (ha)	5,533 (40%)	5,723 (43%)	1,780 (8%)	7,213 (35.4%)	5,712 (27.8%)
Area monitored above threshold treated with alpha-cypermethrin (ha) <sup>1</sup>	2,145 (62%)	2,249 (71%)	943 (93%)	6,299 (95.3%)	3,526 (84.7%)
Area monitored above threshold treated with spinosad (ha) <sup>2</sup>	1,327 (38%)	934 (29%)	75 (3%)	313 (4.7%)	635 (13.3%)
Total area treated <sup>(1 &amp; 2)</sup>	3,472	3,183	1,018	6,612	4,161
Area monitored above threshold not treated (ha)	2,061	2,540	468	601	1,550
% monitored area sprayed	25%	24%	5%	32%	20%
Proportion area spinosad:cypermethrin	0.62	0.42	0.08	0.05	0.18

1. Age class 1 - 6 years.

2. Age class 1 - 7 years.

## Pesticide usage on Forestry Tasmania's defined forest area<sup>1</sup>

Pesticide usage on Forestry Tasmania's defined forest area <sup>1</sup>	2005/06		2006/07		2007/08		2008/09	
	Active ingredient used (kg)	Area treated (ha)	Active ingredient used (kg)	Area treated (ha)	Active ingredient used (kg)	Area treated (ha)	Active ingredient used (kg)	Area treated (ha)
Unscheduled	40.5	1,144	1,458	572	2863.4	9,740	700.8	7,651
Schedule 5 Chemical	1,032	3,646	2,513	5,335	5,755	8,311	3,750.7	3,612
Schedule 6 Chemical	73.6	1,776	9	329	92.3	3,686	64.4	2,390
<b>Total</b>	<b>1,146.1</b>	<b>6,566</b>	<b>3,980</b>	<b>6,236</b>	<b>8,710.7</b>	<b>21,737</b>	<b>4,515.9</b>	<b>13,653</b>

1. Excludes Perth nursery.

# sustaining CARBON STORES, CLEAN AIR, WATER AND HEALTHY FORESTS

## Pesticide usage at Perth nursery

Use	Category	2005/06	2006/07	2007/08	2008/09
Herbicide	Unscheduled	41.6	27.9	35.5	0.0
	Sched 5 chemical	89.2	50.1	56.2	83.6
	Sched 6 chemical	24.6	9.6	9.1	23.8
	Sched 7 chemical	5.5	3.3	2.3	3.0
	<b>Total</b>	<b>160.9</b>	<b>90.9</b>	<b>103.1</b>	<b>110.4</b>
Insecticide	Unscheduled	0.0	0.0	0.0	0.8
	Sched 6 chemical	2.8	1.6	1.0	0.9
	<b>Total</b>	<b>2.8</b>	<b>1.6</b>	<b>1.0</b>	<b>1.7</b>
Fungicide	Unscheduled	1.4	2.4	1.0	9.4
	Sched 5 chemical	38.8	19.8	31.0	14.4
	Sched 6 chemical	26.3	19.5	8.0	25.2
	<b>Total</b>	<b>66.5</b>	<b>41.7</b>	<b>40.0</b>	<b>49.0</b>
Stimulant	Sched 5 chemical	0	0.0	0.6	0.0
	<b>Total</b>	<b>0</b>	<b>0.0</b>	<b>0.6</b>	<b>0.0</b>

Perth nursery is within Forestry Tasmania's defined forest area.

## Water testing associated with spray operations

Number of samples taken associated with chemical spraying operations					No. of detections and percentage of no chemical detections against ADWG guideline value <sup>1</sup> for chemical residues <sup>2</sup>				
2004/05	2005/06	2006/07	2007/08	2008/09	2004/05	2005/06	2006/07	2007/08	2008/09
410	635	269	489	196	(3) 99.3%	(1) 99.8%	(0) 100%	(0) 100%	(0) 100%

1. Australian drinking water guidelines health value or any detection where no value indicated.

2. Measured by DPIPWE testing laboratory.

# *sustaining* CARBON STORES, CLEAN AIR, WATER AND HEALTHY FORESTS

## Fire damage on state forest

Area (ha)	2004/05		2005/06		2006/07		2007/08		2008/09	
	annual	10 yr avg	annual	10 yr avg	annual	10 yr avg	annual	10 yr avg	annual	10 yr avg
Total unplanned fires	4,071	6,669	863	6,643	33,984	9,866	8,496	9,377	5,277	9,588
Severe fire damage	2,758	2,826	577	2,828	22,645	5,013	5,551	5,250	3,202	5,543
% burnt area severe damage	68%	42%	67%	43%	67%	51%	65%	56%	61%	58%

Note: 10-year average data do include current year in the 10 years.

## Air quality particulate monitoring stations summary

	2004/05		2005/06		2006/07		2007/08		2008/09	
	Exceeded	FT contributed	Exceeded	FT contributed	Exceeded	FT contributed	Exceeded	FT contributed	Exceeded	FT contributed
Hobart	1	0	0	0	0	0	0	0	0	0
Launceston	15	2	5	0	7	1	3	0	0	0
George Town	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0
Judbury	0	0	3	1	0	0	0	0	0	0
<b>Total</b>	<b>16</b>	<b>2</b>	<b>8</b>	<b>1</b>	<b>7</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>



# *sustaining* COMMUNITY ACCESS AND HERITAGE

## Summary of Aboriginal cultural heritage surveys

Year	Area surveyed (ha)	Number of new sites detected	Number of old sites redetected
2003/04	3,891	6	0
2004/05	7,185	7	0
2005/06	2,286	7	0
2006/07	1,735	4	0
2007/08	3,149	7	1
<b>2008/09</b>	<b>211</b>	<b>1</b>	<b>0</b>

## Summary of non-Aboriginal cultural heritage surveys

Year	Area surveyed (ha)	Number of new sites detected	Number of old sites redetected
2003/04	3,891	6	0
2004/05	336	48	7
2005/06	185	29	19
2006/07	190	42	13
2007/08	333	34	26
<b>2008/09</b>	<b>570</b>	<b>26</b>	<b>17</b>

## Community forums attended by district staff

Community forum categories	No. meetings 2003/04	No. meetings 2004/05	No. meetings 2005/06	No. meetings 2006/07	No. meetings 2007/08	No. meetings 2008/09
Fire management	25	13	22	42	34	34
Catchment management	39	21	29	28	24	23
Local emergency management	7	11	6	12	12	11
Education	17	36	32	51	46	49
Local government	29	56	43	41	40	43
Cultural management	12	11	18	9	4	6
Biodiversity management	4	5	11	6	5	14
Feral animals/weeds	18	12	8	16	16	6
Industry	23	42	47	75	58	42
Recreation/tourism	87	102	85	122	118	80
Regional planning	72	56	40	31	17	45
Conservation/environmental	21	15	12	26	26	34
Forest practices	5	10	21	34	14	19
Other	51	27	36	40	35	59
<b>Total</b>	<b>410</b>	<b>417</b>	<b>410</b>	<b>533</b>	<b>438</b>	<b>465</b>

# *sustaining* COMMUNITY ACCESS AND HERITAGE

## District sponsorship

Name of organisation	Type of sponsorship (cash and in kind)	Value
Agricultural shows/groups	Cash and in kind	\$314
Axemen's clubs	Cash and in kind	\$2,059
Basketball	Cash and in kind	\$2,459
Bowls	Cash and in kind	\$2,500
Canoe	Cash and in kind	\$15,050
Car clubs/rallies	Cash and in kind	\$445
Festivals/community celebrations/carnivals/fairs	Cash and in kind	\$1,312
Field and game/shooting	Cash and in kind	\$330
Football clubs	Cash and in kind	\$6,620
General community sponsorship	Cash and in kind	\$9,390
Horse riding	Cash and in kind	\$1,756
Other sporting groups	Cash and in kind	\$5,742
Rotary/Lions/Apex	Cash and in kind	\$550
Schools	Cash and in kind	\$775
Waterwatch/Landcare/Rivercare	Cash and in kind	\$1,100
<b>Total</b>		<b>\$50,402</b>

# *sustaining* COMMUNITY ACCESS AND HERITAGE

## Visitor numbers to specified recreational and tourist sites

SITE	District		2004/05	2005/06	2006/07	2007/08	2008/09
Blue Tier	Bass	Forest reserve	8,034	6,975	3,916	2,821	<b>4,080</b>
Evercreech	Bass	Forest reserve	4,799	3,463	5,835	2,400	<b>1,836</b>
Hollybank Forest <sup>1</sup>	Bass	Forest reserve	24,774	24,178	16,374	26,289	<b>23,652</b>
Mt Barrow	Bass	State forest	9,456	2,800	762	593	<b>742</b>
Mt Victoria	Bass	Forest reserve	12,987	8,857	4,070	4,031	<b>4,003</b>
Scottsdale EcoCentre <sup>1</sup>	Bass	State forest	38,683	35,456	32,641	34,938	<b>33,700</b>
Tahune AirWalk <sup>1</sup>	Huon	Forest reserve	122,420	108,334	99,892	78,450	<b>92,855</b>
Liffey	Mersey	Forest reserve	29,900	19,304	24,760	15,339	<b>34,838</b>
Meander Falls walk	Mersey	Forest reserve	5,900	2,500	2,765	5,021	<b>6,829</b>
Upper Mersey valley	Mersey	State forest	18,800	25,620	21,402	22,028	<b>29,233</b>
Dismal Swamp <sup>1</sup>	Murchison	Forest reserve	35,800	27,000	27,022	21,447	<b>17,072</b>
Oldina	Murchison	Forest reserve	23,917	22,204	27,583	25,627	<b>31,624</b>
<b>Total<sup>2</sup></b>			<b>335,470</b>	<b>286,691</b>	<b>267,022</b>	<b>238,984</b>	<b>265,217</b>

1. Actual people counts.

2. Total is not the sum of the shown sites, it also includes visitor numbers across certain smaller sites not shown in the table. Total is not indicative of a % growth, due to new sites and data failures.

# sustaining COMMUNITY ACCESS AND HERITAGE

## Forest estate value summary

Forest Estate	2002/03 (\$ million)	2003/04 (\$ million)	2004/05 (\$ million)	2005/06 (\$ million)	2006/07 (\$ million)	2007/08 (\$ million)	2008/09 (\$ million)
Standing timber wholly owned	347.7*	374.73	302.81*	288.45	282.27	224.45	<b>274.37</b>
Standing timber joint ventures	76.54	67.48	63.62	72.07	106.40	105.31	<b>110.92</b>
Forest land	232.82	233.24	276.08	276.40	276.72	277.13	<b>277.13</b>
Tourist infrastructure	4.71	8.45	9.14	9.39	8.17	9.77	<b>4.98</b>
<b>Total</b>	<b>738.43</b>	<b>760.70</b>	<b>736.52</b>	<b>735.96</b>	<b>779.15</b>	<b>727.69</b>	<b>782.69</b>

\*The decrease in the value of the standing timber is principally due to the changes in internal accounting policies and does not reflect reduction in standing timber volume.

## Safety statistics

	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09
Number of workers compensation claims	50	41	28	31	33	<b>33</b>
% of gross wages	0.16	0.16	0.20	0.16	0.18	<b>0.10</b>
Lost time injury frequency rate (LTIFR)	14.0	8.11	10.7	10.87	11.36	<b>12.54</b>
All claims frequency rate	43.9	36.95	27.25	30.63	34.07	<b>34.49</b>
Lost time injury severity rate		10.82	16.69	9.88	8.77	<b>9.98</b>
Harvesting contractors LTIFR		27.61	28.62	12.65	17.63	<b>17.92</b>

# sustaining SCIENCE - BASED STEWARDSHIP

## Summary of compliance with Forest Practices Act 1985

	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09
Number of FPPs in operation	1,563	1,790	2,049	1,281	1,606	1,838	1,732
S41 notices issued to Forestry Tasmania	1 (0.06%)	2 (0.1%)	1 (0.05%)	1 (0.08%)	1 (0.06%)	0 (0.00%)	6 (0.3)
S41 notices issued to contractors on state forest	8 (0.5%)	14 (0.8%)	17 (0.8%)	6 (0.05%)	3 (0.2%)	7 (0.4%)	3
Fines or prosecutions issued to FT by FPA	1	3	2	1	1	1	0

## Summary of compliance with Workplace Health and Safety Act 1995

	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09
Notices issued to Forestry Tasmania under Workplace Health and Safety Act	0	3	1	3	3	3	0
Notices issued to Forestry Tasmania contractors under Workplace Health and Safety Act	0	10	1	4	4	3	2

## Audits of SFM systems

Year	Audit type	Number of audits	Non-conformances	Areas of concern/CARs
2004/05	External	3	0	203
	Internal	3	0	81
2005/06	External	2	0	67
	Internal	8	0	47
2006/07	External	2	0	118
	Internal	8	0	120
2007/08	External	2	0	82
	Internal	7	0	31
2008/09	External	3	1	85
	Internal	8	0	46

## Research expenditure summary

2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09
\$3,305,000	\$3,494,000	\$3,645,800	\$3,839,200	\$4,343,200	\$4,387,000	\$4,208,000