



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 2009/10

1. Changes to the forest estate during 2009/10

State forest - changes during 2009/10 (hectares):	
State forest created by land purchase	0
Net increase of state forest resulting from gazetted changes to public land classifications	26
State forest status removed through land sale	0
Net increase in the area of state forest	26
Total area of state forest at 30 Jun 2010 ¹	1,490,000

Forest reserves - changes during 2009/10 (hectares):	
Net decrease of forest reserves resulting from changes to public land classifications	-8
Net decrease in forest reserves	-8
Total area of forest reserves at 30 Jun 2010 ¹	222,000

Multiple-use forest, including informal reserves - changes during 2009/10 (hectares):	
Net decrease in multiple-use forest resulting from changes in public land classifications	-2
Net decrease in multiple-use forest	-2
Total area of multiple-use forest at 30 Jun 2010 ¹	1,250,000

AFS defined forest area - extent of forested land that is managed by Forestry Tasmania and certified to the Australian Forestry Standard (AS4708). ² Changes during 2009/10 (hectares): ²	
Net decrease in defined forest area resulting from changes in public land classification and changes to Forestry Tasmania management responsibilities	-359
Net decrease in defined forest area	-359
Total area of defined forest area at 30 Jun 2010 ²	1,439,000

Notes:

- Figures in the Total rows are not the sum of the columns but the rounded actual totals.
- 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

2.1 Area of forest type by protection classification on state forest

Forest type	2005/06		2006/07		2007/08		2008/09		2009/10		Change since 2001/02	
	Forest Reserve	Informal Reserve ⁶	Forest Reserve	Informal Reserve	Forest Reserve	Informal Reserve	Forest Reserve	Informal Reserve	Forest Reserve	Informal Reserve	FR ¹	IR ²
Tall eucalypt forest	42,100	86,000	48,300	80,300	49,200	83,800	49,200	86,100	50,000	87,000	8,100	26,200
Short eucalypt forest	67,400	93,600	71,800	89,000	71,600	89,500	71,600	89,500	71,000	89,000	4,200	26,400
Rainforest	37,700	99,100	67,500	62,500	67,400	62,900	67,400	61,800	67,000	62,000	28,700	39,100
Other native forest	9,100	16,000	10,700	14,000	10,800	14,700	10,900	14,800	11,000	16,000	1,400	6,100
Non forest	18,600	52,400	23,700	46,100	23,100	44,200	23,000	45,400	23,000	45,000	4,700	8,400
Hardwood plantation ⁵	0	200	0	300	100	400	100	200	100	200	100	50
Softwood plantation ⁵	100	100	100	100	100	200	100	100	100	100	0	-70
Total ^{3,4}	175,000	347,500	222,200	292,300	222,200	295,600	222,100	298,000	222,000	299,000	47,000	105,900

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 yet dedicated as at 30th June 2006, so are counted as informal.

sustaining BIODIVERSITY AND HABITAT

2.2 Area protected on state forest

Land classification state forest area (ha)	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	(%) SF area at 30/06/10
Forest reserves	175,000	175,000	174,900	222,200	222,200	222,100	221,900	14.7%
Informal reserves	198,000	200,100	347,500 ⁴	292,400	295,600	298,000	299,100	19.8%
Native forest outside wood production areas ¹	370,000	385,900	288,300	292,000	295,500	306,900	278,000 ⁵	18.4%
Total non production area ^{2,3}	743,000	760,900	810,800	806,600	813,300	827,000	799,000	52.9%
Managed primarily for protection	49%	50%	53%	53%	54%	55%	53%	

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 30th June 2006, so are counted as informal.

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

2.3 Threatened species management summary

	Flora	Fauna	Total
Total strategic management plans ¹	3	4	7
Research in 2009/2010 ²	2	6	8
Area of habitat surveys in 2009/2010 ³	5,100	54,035 ⁴	59,135
New sites recorded in 2009/2010	28	28	56
Threatened species working groups/meetings in 2009/2010	0	1	1

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, Threatened Species Section and the Parks and Wildlife Service.

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

3. Surveys conducted on state forest by qualified experts.

4. Includes wedge-tailed eagle surveys.

sustaining BIODIVERSITY AND HABITAT

2.4. Forest type by land classification

Forest type ('000s hectares)	State forest (excl. Forest Reserves)	Forest Reserves	Conservation Reserves (Nature Conservation Act 2002)	Public Reserves (Crown Lands Act)	Other publicly managed land ³	Other private land ⁴	Total area
Tall Native Eucalypt Forest:							
Eucalypt forest with current or potential height of 34m or more	482	50	177	5	12	161	887
Short Native Eucalypt Forest:							
Eucalypt forest with current or potential height of less than 34m	322	71	403	12	45	663	1,516
Rainforest:							
Cool temperate rainforest with no significant eucalypt or acacia	135	67	330	0	5	17	554
Other Native Forest:							
Including acacia spp, melaleuca etc.	55	11	50	1	4	32	154
Softwood plantation	52	0	0	1	0	20	74
Hardwood plantation	54	0	0	0	1	129	184
Non Forest ⁶							
Including scrub, moorland, farmland, rock and lakes	168	23	1,375	23	155	1,698	3,442
Total	1,268	222	2,336	43	221	2,720	6,810

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 2010. 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 coastlines are recorded as Non Forest.

sustaining JOBS FOR CURRENT AND FUTURE GENERATIONS

3.1 Wood production by district

Forest type	Product	Bass	Derwent	Huon	Mersey	Murchison	Total
Native forest	Sawlog Cat. 1 & 3 (m ³)	29,754	85,390	58,519	6,173	25,587	205,422
	Sawlog Cat. 2 & 8 (m ³)	8,766	1,891	1,494	4,432	21,314	37,897
	Veneer (m ³)	2,836	1,384	894	0	2	5,117
	Regrowth peeler (tonnes)	11,208	21,895	33,780	1,104	6,682	74,669
	Domestic peeler (m ³)	20,843	0	105,219	5,461	92,910	224,432
	Special species (m ³)	823	1,037	1,005	60	9,426	12,350
	Pulpwood (tonnes)	436,836	344,827	205,317	124,595	277,410	1,388,986
	Fuel & firewood (m ³)	484	0	38,567	506	10,386	49,943
	Posts & poles (units)	75	2,027	3,345	37	1,188	6,672
	Craftwood (units)	0	315	28	0	186	529
	Minor products	0	120	2,481	0	307	2,909
Native Forest Total		511,625	458,886	450,649	142,368	445,398	2,008,926
Plantation	Softwood sawlog (m ³)	4,895	11,567	0	361	38,938	55,762
	Softwood export log (m ³)	2,165	0	0	95	5,259	7,519
	Softwood roundwood (m ³)	0	0	0	0	0	0
	Posts & poles (units)	0	0	0	0	1,101	1,101
	Eucalypt sawlog (m ³)	0	0	0	0	0	0
	Softwood pulpwood (tonnes)	7,771	175,950	0	27	8,734	192,482
	Eucalypt pulpwood (tonnes)	48,418	60,490	6,653	20,802	43,133	179,495
	Plantation Total	63,249	248,007	6,653	21,285	97,165	436,359

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.

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3.2 Wood volume and value summary

Eucalypt wood production	2006/07 Volume	Estimated MDLV (\$)	2007/08 Volume	Estimated MDLV (\$)	2008/09 Volume	Estimated MDLV (\$)	2009/10 Volume	Estimated MDLV (\$)
Sawlog cat 1 & 3 (m ³)	301,500	27,740,300	297,915	28,301,925	238,925	23,175,725	205,422	20,542,200
Sawlog cat 2 & 8 (m ³)	51,800	3,469,100	87,090	6,096,300	60,689	4,308,919	37,897	2,766,481
Veneer (m ³)	5,600	695,300	6,036	784,680	6,229	822,228	5,117	695,912
Regrowth peeler log (t)	211,200	16,051,000	88,694	7,006,826	22,235	1,778,800	74,669	6,197,527
Domestic peeler log (m ³)	0	0	120,896	8,100,032	193,429	13,153,172	224,432	15,710,240
Special species log (m ³)	15,300	1,687,700	21,703	2,474,142	12,496	1,449,536	12,350	1,482,000
Pulpwood (t)	2,136,700	119,654,500	2,230,874	129,390,692	2,004,226	118,249,334	1,388,986	84,728,146
Hardwood pltn production	2006/07 Volume	Estimated MDLV (\$)	2007/08 Volume	Estimated MDLV (\$)	2008/09 Volume	Estimated MDLV (\$)	2009/10 Volume	Estimated MDLV (\$)
Sawlog (t)	8,700	618,400	8,087	598,438	7,754	581,550	0	0
Pulpwood (t)	126,200	7,948,300	176,703	11,485,695	135,549	8,946,234	179,495	12,205,660
Softwood pltn production	2006-2007 Volume	Estimated MDLV (\$)	2007-2008 Volume	Estimated MDLV (\$)	2008-2009 Volume	Estimated MDLV (\$)	2009-2010 Volume	Estimated MDLV (\$)
Sawlog (t)	417,000	30,856,600	440,517	33,919,809	311,018	24,259,404	433,798	34,703,840
Export logs (t)	57,000	4,215,800	8,620	663,740	0	0	7,519	601,520
Roundwood (t)	9,000	565,300	10,766	699,790	11,806	779,196	10,845	737,460
Pulpwood (t)	376,900	23,747,000	347,617	22,595,105	303,675	20,042,550	359,931	24,475,308
Total MDLV (\$)		237,249,291		252,117,174		217,546,648	2,940,461	204,846,294

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.

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3.3 Pulpwood audit summary

Total	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Pulpwood sales (t)	2,902,800	2,724,303	2,191,132	2,136,687	2,230,874	2,005,448	1,388,986
Pulpwood audited (t)	119,415	167,058	100,712	128,010	156,016	158,559	69,400
Sawlog recovered (t)	255	225	110	75	59	169	139
% Audited	4.11%	6.13%	4.60%	5.99%	6.99%	7.91%	5.00%
% Sawlog recovery	0.021%	0.01%	0.01%	0.00%	0.00%	0.01%	0.01%

3.4 Merchantable residue assessment summary

Year	Number coupes audited	Mean (m ³ /ha)	Median (m ³ /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
2009/10	82	2.06	2.00

3.5 Native forest harvesting and regeneration summary

Native forest				
Report year	Area clearfelled	Area of partial harvesting	Total	Area regenerated
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
2009/10	3,464	5,066	8,530	9,160

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3.6 Plantation establishment

SW: softwood HW: hardwood ³	New area planted ⁷ 2009-2010 ¹ (ha)		Area replanted ⁸ 2009-2010 ¹ (ha)		Net Area of plantation ⁵ at 30-6-2010 (ha)	
	SW	HW	SW	HW	SW	HW
Ownership						
Forestry Tasmania (FT) plantation on state forest & Crown land	0	559	0	380	4,037 ⁹	30,669
FT joint venture plantation on state forest & Crown land ²	0	126	959 ⁹	292	47,622	7,186
FT joint venture plantation on private land	0	16	52	0	52	202
Tassie Trees Trust plantation on state forest ⁴	0	0	0	0	305	1,507
FT plantation on private land	0	0	0	0	0	821
Private plantation on state forest	0	0	0	0	0	14,840
Total 2009/10⁶	0	701	1,011⁹	672	52,018⁹	55,226
(Total 2008/09)	0	2,191	1,259 ⁹	633	52,490 ⁹	54,640

Notes:

1. Planting period for mapping and reporting purposes is from 1st July 2009 to 30th June 2010.
2. Includes the softwood plantations that are 50% owned by GMO Renewable Resources, for which data are supplied by Timberlands Limited as at 30th June 2010, and softwood plantations jointly owned with Norske-Skog, for which data are supplied by Norske-Skog as at 1st June 2010.
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.
8. Includes some areas planted to a different crop than the previous crop.
9. Excludes some West Coast softwood plantation that is being harvested and naturally restocked from fallen cones.

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3.7 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	2009/10
Annual conversion	2,780	5,400	5,100	3,100	4,550	3,200	2,191	701
Cumulative NF converted since 1996 (ha) ¹	24,980	30,380	35,500	38,600	43,150	46,350	48,541	49,242
Proportion of 1996 statewide baseline	0.8%	1.0%	1.1%	1.2%	1.3%	1.4%	1.5%	1.5%

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

3.8 Native forest regeneration success

Forest Type	0-9% (not stocked)	10-39% (ecological stocking)	40-64% (low wood quality)	65-84% (optimum)	85-100% (maximum)	Total
Dry eucalypt ¹	0	0	738	1,662	147	2,502
Wet eucalypt ¹	0	0	348	1,655	513	2,570
High altitude E. delegatensis ¹	0	50	264	1,377	64	1,755
Fenced intensive blackwood ¹	0	0	0	43		43
Swamp blackwood ²	0	0	0	0	8	8
Rainforest ²	0	0	0	0	0	0
Huon pine forest ¹	0	0	0	5		5
Total	0	59	1,351	4,741	731	6,882
Unacceptable Standard	% Area Met Standard					90%

1. 2006/2007 Sowing Season.

2. 2004/2005 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).

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3.9 Special timbers sawlog and craftwood (tonnes)

	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Blackheart Sassafras	177	534	80	134	621	500	90
Blackwood	14,853	11,853	10,392	8,456	11,137	8,901	7,962
Celery Top Pine	2,460	1,124	482	1,149	1,427	881	882
Eucalypt/Mixed Species	737	2,363	436	5,092	6,389	1,735	2,883
Huon Pine	143	1,176	610	366	620	354	423
King Billy Pine	0	0	0	32	0	0	3
Myrtle	3,576	2,485	1,313	802	1,134	896	518
Silver Wattle	646	1,058	355	374	480	262	92
White Sassafras	176	150	33	94	139	15	34
Total	22,768	20,743	13,701	16,498	21,947	13,543	12,887

3.10 Non-chemical browsing control summary

Treatment Type	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Number of shooting operations (no. of established areas)	359	261	248	356	419	411
Length of fencing (km)	23.3	0	3.7	14	32	17
Seedlings treated with repellent (ha)	5	10	0	14	0	0
Big seedlings (ha)	4	0	2	0	2	2
Tree guards (ha)	4	3	5	0	28	2
Stockings/sleeves (ha)	0	0	0	706	1,000	180

3.11 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
2008/09	210,061
2009/10	548,736

sustaining CARBON STORES, CLEAN AIR, WATER AND HEALTHY FORESTS

4.1 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
2008/09	4,289	6	166,323
2009/10	4,300	8	169,100

Summary showing areas of state forest managed for soil conservation.

*The total area includes areas managed for geoconservation.

4.2 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
2008/09	41	121,449
2009/10	94	124,200

Summary showing areas of state forest managed for geoconservation.

4.3 Areas with moderate and severe damage

Eucalyptus plantations:	2006/07		2007/08		2008/09		2009/10	
	Moderate	Severe	Moderate	Severe	Moderate	Severe	Moderate	Severe
Soil fertility/site issues	208	1,797	138	2,435	284	1,347	267	1,672
Insects	687	256	486	383	1,746	599	2,954	158
Multiple causes	343	657	106	878	247	1,038	150	1,078
Climate/environmental	57	456	73	701	58	47	309	303
Unknown	193	62	173	71	72	112	49	59
Silvicultural	81	210	20	251	14	28	0	25
Mammals	103	296	9	116	0	68	10	8
Fungal diseases	168	149	66	0	77	63	268	0
Weeds	13	46	0	97	99	48	0.5	19

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4.4 Leaf beetle IPM system results

	2005/06 ¹	2006/07 ²	2007/08	2008/09	2009/10
Area monitored (ha)	13,319	21,025	20,379	20,515	25,690
Area monitored that is above threshold (ha)	5,723 (43%)	1,780 (8%)	7,213 (35.4%)	5,712 (27.8%)	7,713
Area monitored above threshold treated with alpha-cypermethrin (ha) ¹	2,249 (71%)	943 (93%)	6,299 (95.3%)	3,526 (84.7%)	5,939
Area monitored above threshold treated with spinosad (ha) ²	934 (29%)	75 (3%)	313 (4.7%)	635 (15.3%)	0
Total area treated (¹ & ²)	3,183	1,018	6,612	4,161	5,939
Area monitored above threshold not treated (ha)	2,540	468	601	1,550	505
% monitored area sprayed	24%	5%	32%	20%	23%
Proportion area spinosad:cypermethrin	0.42	0.08	0.05	0.18	0

1. Age class 1 - 6 years.

2. Age class 1 - 7 years.

4.5 Pesticide usage on forestry operations¹ – by schedule

	2008/09	2009/10
*SUSDP Category	Amount of Active Ingredient (kg)	
Unscheduled	563.7	2,708.0
Schedule 5	3,802.5	737.4
Schedule 6	479.6	244.4
Total area treated	5,494 hectares	5,083 hectares

*SUSDP = Standard for the Uniform Scheduling of Drugs and Poisons

1. On Forestry Tasmania's Defined Forest Area.

4.6 Pesticide usage on forestry operations¹ – by chemical type

	2008/09	2009/10
Pesticide Type	Amount of Active Ingredient (kg)	
Herbicide	3,831.9	2,444.4
Herbicide Additive	505.1	206.0
Herbicide Carrier	3.2	291.1
Insecticide	473.2	736.0
Pesticide Additive	32.2	12.3
Total area treated	5,494 hectares	5,083 hectares

1. On Forestry Tasmania's Defined Forest Area.

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4.7 Fertiliser usage on forestry operations – by chemical type

	2008/09	2009/10
Nutrient Type	Amount of Active Ingredient (t)	
Nitrogen	438.8	567.0
Phosphorus	150.9	148.3
Potassium	11.5	-
Copper	3.9	1.6
Total area treated	8,872 hectares	8,543 hectares

4.8 Pesticide usage at Perth nursery and seed orchards – by schedule

	2008/09	2009/10
*SUSDP Category	Amount of Active Ingredient (kg)	
Unscheduled	8.6	144.6
Schedule 5	134.2	127.9
Schedule 6	34.8	22.0
Schedule 7	4.5	-

*SUSDP = Standard for the Uniform Scheduling of Drugs and Poisons
Perth nursery & seed orchards are within Forestry Tasmania's Defined Forest Area.

4.10 Fertiliser* usage at Perth nursery and seed orchards – by chemical type

	2008/09	2009/10
Nutrient Type	Amount of Active Ingredient (kg)	
Nitrogen	565.2	718.7
Phosphorus	189.6	499.8
Potassium	372.5	180.5
Calcium	311.7	103.4

* Includes sales of potting mix to external customers
Perth nursery & seed orchards are within Forestry Tasmania's Defined Forest Area.

4.9 Pesticide usage at Perth nursery and seed orchards – by chemical type

	2008/09	2009/10
Pesticide Type	Amount of Active Ingredient (kg)	
Fungicide	49.3	59.2
Herbicide	124.8	87.0
Herbicide Additive	-	90.6
Insecticide	8.0	4.0
Pesticide Additive	-	51.7

Perth nursery & seed orchards are within Forestry Tasmania's Defined Forest Area.

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4.11 Water testing associated with spray operations

	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Number of samples taken associated with chemical spraying operations	410	635	269	489	196	99
No. of detections and percentage of no chemical detections against ADWG Guideline Value ¹ for chemical residues ²	(3) 99.3%	(1) 99.8%	(0) 100%	(0) 100%	(0) 100%	(0) 100%

1. Australian Drinking Water Guidelines Health Value or any detection where no value indicated.

2. Measured by DPIPW testing laboratory.

4.12 Fire damage on state forest

Area (ha)	2004/05		2005/06		2006/07		2007/08		2008/09		2009/10	
	annual	10 yr avg	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	6,461	9,614
Severe fire damage	2,758	2,826	577	2,828	22,645	5,013	5,551	5,250	3,202	5,543	4,484	5,956
% burnt area severe damage	68%	42%	67%	43%	67%	51%	65%	56%	61%	58%	69%	62%

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

4.13 Air quality particulate monitoring stations summary

	2004/05		2005/06		2006/07		2007/08		2008/09		2009/10	
	Exceeded	FT contributed	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	2	0
Launceston	15	2	5	0	7	1	3	0	0	0	12	0
George Town	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0	0	4	0
Judbury	0	0	3	1	0	0	0	0	0	0	3	3
Total	16	2	8	1	7	1	3	0	0	0	21	3

Note: The Judbury data are as received from DPIPW for the period December 2009 to the end of June 2010. This represents the BLANKET data that are being used to represent the advisory standard of PM.

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5.1 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
2008/09	211	1	0
2009/10	2,457	10	1

5.2. 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	16	27
2004/05	336	48	7
2005/06	185	29	19
2006/07	190	42	13
2007/08	333	34	26
2008/09	570	26	17
2009/10	875	91	25

5.3 Community forums attended by our 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	No. meetings 2009/10 ¹
Fire management	25	13	22	42	34	34	33
Catchment management	39	21	29	28	24	23	20
Local emergency management	7	11	6	12	12	11	19
Education	17	36	32	51	46	49	75
Local government	29	56	43	41	40	43	38
Cultural management	12	11	18	9	4	6	12
Biodiversity management	4	5	11	6	5	14	13
Feral animals/weeds	18	12	8	16	16	6	12
Industry	23	42	47	75	58	42	171
Recreation/tourism	87	102	85	122	118	80	97
Regional planning	72	56	40	31	17	45	45
Conservation/environmental	21	15	12	26	26	34	27
Forest practices	5	10	21	34	14	19	20
Other	51	27	36	40	35	59	166
Total	410	417	410	533	438	465	748

1. The 2009/10 figures include meetings attended by members of our Corporate Relations and Tourism staff, while the figures from previous years only represented forums attended by our district staff.

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5.4. District sponsorship

Name of Organisation	Type of Sponsorship (Cash, In Kind)	Value
Axemen's Clubs	Cash and In Kind	\$ 2,350
Bowls Club	Cash and In Kind	\$ 2,500
Bushwatch/Landcare/Rivercare/Waterwatch	Cash and In Kind	\$ 4,215
Canoe Club	Cash and In Kind	\$ 1,000
Car Clubs/Rallies	Cash and In Kind	\$ 4,780
Festivals/Community Celebrations/Carnivals/Fairs	Cash and In Kind	\$ 2,048
Field and Game/Shooting	Cash and In Kind	\$ 1,400
Football Clubs	Cash and In Kind	\$ 3,000
General Community Sponsorship	Cash and In Kind	\$ 4,410
Horse Riding	Cash and In Kind	\$ 1,600
Mountain Bike Challenge	Cash and In Kind	\$ 1,000
Other Sporting Groups	Cash and In Kind	\$ 7,381
Rotary/Lions/Apex	Cash and In Kind	\$ 550
Schools	Cash and In Kind	\$ 960
Total		\$37,194

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5.5. Corporate sponsorship

Program	Name of Organisation	Value
Community Assist Program		\$
	New Norfolk Scouts	1,000
	Shorewell Park Kommunity Kids	1,000
	Uniting Care	1,000
	Foresters Cricket Club	1,000
	Kayak Jack	1,000
	Professor Nigel Fortheath – research into <i>Mucor amphibiorum</i>	1,000
	Tasmanian Sail Training Association	1,000
	Make A Wish Foundation Burnie	1,000
	New Horizons Club	1,000
	Tamar Canoe Club – 2009 Ben Lomond Descent	5,000
	2010 Tasmanian Forest Festival	5,000
	2010 Rotary Club of Hobart Charity Art Show	6,000
	Kilburn Netball Club	4,000
	2010 Derwent Valley Autumn Festival	8,000
	Launceston Mountain Bike Club/Dirt Devils	10,000
	2009 Schools Triathlon Challenge	10,000
	2010 Southern Cross Young Achiever Awards	14,000
	Football Federation Tasmania	28,000

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5.5. Corporate sponsorship (continued)

Program	Name of Organisation	Value
Other community service grants		\$
	Ulverstone Soccer Club	1,000
	Lions Club of Hobart – Circus Quirkus	1,000
	Institution of Electrical and Electronic Engineers	1,000
	SKAL International (International Association of Travel and Tourism Professionals) charity event	1,000
	BookEnd Trust	1,000
	2009 Japanese Film Festival	1,000
	Patron's Annual Donation – Joseph William Gottstein Memorial Trust	1,000
	Future of Forestry and Forest Science Conference	3,000
	Tasmanian Wood Design Collection	20,000
Research funding		
	Eva Hilbig – research	1,000
	Shannon Troy – research	2,000
	Warra small projects	4,000
	Landscape Logic project	9,000
	University of Tasmania	33,000
Contributions to forest education		
	Forest and Heritage Centre	15,000
	Forest Education Foundation	179,000
Total		372,000

Note: Figures have been rounded to the nearest thousand, are GST exclusive and do not include sponsorships under \$1,000.

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5.6. 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)	2009/10 (\$ million)
Standing timber wholly owned	347.7*	374.73	302.81*	288.45	282.27	224.45	274.37	247.85
Standing timber joint ventures	76.54	67.48	63.62	72.07	106.40	105.31	110.92	70.89
Roads and structures	76.66	85.25	94.01	99.04	105.59	111.03	115.29	114.65
Non commercial zones								-65.80
Tourist infrastructure	4.71	8.45	9.14	9.39	8.17	9.77	4.98	4.81
Total	505.61	535.91	469.58	468.95	502.43	450.56	505.56	372.40

*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.

5.7. Safety statistics

	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Number of workers compensation claims	50	41	28	31	33	33	19
% of gross wages	0.16	0.16	0.20	0.16	0.18	0.10	0.15
Lost time injury frequency rate (LTIFR)	14.0	8.11	10.7	10.87	11.36	12.54	8.56
All claims frequency rate	43.9	36.95	27.25	30.63	34.07	34.49	20.33
Lost time injury severity rate		10.82	16.69	9.88	8.77	9.98	14.88
Harvesting contractors' LTIFR		27.61	28.62	12.65	17.63	17.92	7.37

sustaining SCIENCE-BASED STEWARDSHIP

6.1. Summary of compliance with *Forest Practices Act 1985*

	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Number of FPPs in operation	1,563	1,790	2,049	1,281	1,606	1,838	1,732	2,384
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%)	0 (0.00%)
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 (0.17%)	1 (0.04%)
Fines or prosecutions issued to FT by FPA	1	3	2	1	1	1	0	1 (\$1,500)

6.2. Summary of compliance with *Workplace Health and Safety Act 1995*

	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
Notices issued to Forestry Tasmania under Workplace Health and Safety Act	0	3	1	3	3	3	1	0
Notices issued to Forestry Tasmania contractors under Workplace Health and Safety Act	0	10	1	4	4	3	1	0

sustaining SCIENCE-BASED STEWARDSHIP

6.3. 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
2009/10	External	1	1 – however was downgraded to a minor non-conformance	8
	Internal	5	0	40

6.4. Research expenditure summary

2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
\$3,305,000	\$3,494,000	\$3,645,800	\$3,839,200	\$4,432,200	\$4,387,000	\$4,208,000	\$4,060,000