



APPENDIX 2 – DATA TABLES

sustainable forest management



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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 2010/11

1.1 Changes to the forest estate during 2010/11

State forest ¹ – changes during 2010/11 (hectares):	
State forest created by land purchase	0
Net decrease of state forest resulting from gazetted changes to public land classifications	-71
State forest status removed through land sale	-1
Net decrease in the area of state forest	-72
Total area of state forest at 30 Jun 2011^{1,2}	1,490,000

Forest reserves – changes during 2010/11 (hectares):	
Net decrease in forest reserves	0
Total area of forest reserves at 30 Jun 2011²	222,000

Multiple-use forest (MUF) - changes during 2010/11 (hectares):	
Net decrease in MUF	-215
Total area listed on the Register of Multiple Use Forest Land at 30 Jun 2011²	1,250,000

AFS Defined Forest Area (DFA) – Extent of forested land that is managed by Forestry Tasmania and certified to the Australian Forestry Standard (AS4708). ³ Changes during 2010/11 (hectares):	
Net increase in DFA resulting from changes in public land classification and changes to FT management responsibilities	491
Total defined forest area as at 30 June 2011^{2,3}	1,441,000

Notes:

1. Excludes land managed by Forestry Tasmania in the Buckland Military Training Area.
2. Figures in the total rows are not the sum of the columns but the rounded actual totals.
3. 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 forest¹ (hectares)

Forest type	2006/07		2007/08		2008/09		2009/10		2010/11		Change since 2001/02	
	Formal Reserves	Informal Reserves	Formal Reserves	Informal Reserves	Formal Reserves	Informal Reserves	Formal Reserves	Informal Reserves	Formal Reserves	Informal Reserves	Formal Reserves	Informal Reserves
Tall eucalypt forest	48,300	80,300	49,200	83,800	88,100	50,000	49,900	87,200	49,200	86,100	7,300	25,300
Short eucalypt forest	71,800	89,000	71,600	89,500	89,400	71,100	70,900	89,300	71,600	89,500	4,800	26,900
Rainforest	67,500	62,500	67,400	62,900	62,000	66,800	66,900	61,800	67,400	61,800	29,100	38,900
Other native forest	10,700	14,000	10,800	14,700	15,600	11,700	11,500	15,500	10,900	14,800	1,300	4,900
Non-forest	23,700	46,100	23,100	44,200	45,500	22,300	22,500	44,900	23,000	45,400	4,700	8,800
Softwood plantation	100	100	100	200	100	0	100	200	100	100	100	-50
Hardwood plantation	0	300	100	400	100	0	100	300	100	200	0	30
Total²	222,200	292,300	222,200	295,600	300,700	221,900	221,900	299,100	222,100	298,000	47,100	104,900

Notes:

- Change in forest type area occurs due to continuous remapping as photo re-interpretation is undertaken, and also due to increases in the extent of reserves.
1. Areas include crown land managed by Forestry Tasmania in the Buckland Military Training Area.
 2. Figures in totals row are not the sum of the columns, but the rounded actual totals.

sustaining BIODIVERSITY AND HABITAT

2.2 Area protected on state forest¹ (hectares)

Land classification state forest area	2006/07	2007/08	2008/09	2009/10	2010/11	(%) SF area at 30/06/11
Forest reserves	222,200	222,200	222,100	221,900	221,900	14.7%
Informal reserves	292,400	295,600	298,000	299,100	300,500	19.9%
Native forest outside wood production areas ^{2,3}	292,000	295,500	306,900	278,000	282,800	18.7%
Total non-production area⁴	806,600	813,400	827,000	799,000	805,200	53.4%
Managed primarily for protection	53%	54%	55%	53%	53%	

Notes:

1. Areas include Crown land managed by Forestry Tasmania in the Buckland Military Training Area.
2. Areas currently not part of the wood resource due to such factors as non-commercial forest, excessive slope, streamside reserves, inaccessibility, etc.
3. Reduction since 2009/10 is as a result of assigning area to the Special Timbers Zones.
4. Figures in totals row are not the sum of the columns, but the rounded actual totals.

2.3 Strategic threatened species management

	Flora	Fauna	Total
Total strategic management plans ¹	1	1	2
Research ²	1	6	7
Habitat surveys ³ (ha)	7,740	15,327	23,067
New sites recorded	55	48	103
Threatened species working groups/ meetings	0	0	0

Notes:

1. Strategic management plans include approved and draft (being implemented) recovery plans, public authority management agreements, strategic management agreements and management plans, agreed jointly between Forestry Tasmania, Forest Practices Authority, Threatened Species Unit and the Parks and Wildlife Service.
2. Includes research studies conducted, funded, participated or initiated by Forestry Tasmania.
3. Surveys conducted on state forest by qualified experts.

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2.4 Forest type by land classification – whole of Tasmania

Forest type ('000's hectares)	State forest (excl. Forest Reserves)	Forest Reserves	Conservation Reserves (<i>Nature Conservation Act 2002</i>)	Public Reserves (Crown Lands Act)	Other publicly managed land ²	Other private land ³	Total area
Tall native eucalypt forest: Eucalypt forest with current or potential height of 34 m or more	482	50	178	5	12	161	887
Short native eucalypt forest: Eucalypt forest with current or potential height of less than 34 m	323	71	404	12	45	647	1,501
Rainforest: Cool temperate rainforest with no significant eucalypt or acacia spp.	136	67	330	0	5	17	555
Other native forest: Including acacia, melaleuca spp. etc.	56	12	49	1	4	31	153
Softwood plantation	53	0	0	1	0	23	77
Hardwood plantation	55	0	0	0	1	181	237
Non-forest ¹ : Including scrub, moorland, farmland, rock and lakes	165	22	1,375	23	155	1,660	3,400
Total	1,268	222	2,336	43	221	2,720	6,811

Notes:

- All areas are rounded to thousands of hectares as at 30 June 2011. Figures in the Total rows are not the sum of the columns but the rounded actual totals
 - 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.
 - Areas reported in this table include land, inland water bodies and islands. Sea and marine estuaries are excluded.
1. Because this table is derived from the spatial integration of several independently compiled datasets, some spatial discrepancies have been inherited. Areas where neither Private Forests Tasmania nor Forestry Tasmania forest data extends to the DPI/PWE coastline are recorded as Non-forest.
 2. '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.
 3. Private property forest areas are as advised by Private Forests Tasmania, and generally reflect forest mapping as at December 2009.

sustaining JOBS FOR CURRENT AND FUTURE GENERATIONS

3.1 Wood production by district 2010/11

Native forest	Bass	Derwent	Huon	Mersey	Murchison	Total
Sawlog Cat. 1 & 3 (m ³)	32,221	91,556	41,166	7,766	17,206	189,915
Sawlog Cat. 2 & 8 (m ³)	20,123	1,524	886	5,939	20,060	48,532
Veneer (m ³)	4,150	1,842	681	100	14	6,787
Regrowth peeler (t)	6,985	53,036	36,038	3,410	13,326	112,795
Domestic peeler (t)	28,250	68,939	119,352	13,511	88,545	318,597
Special species (m ³)	994	1,552	1,058	114	10,759	14,477
Pulpwood (t)	500,443	363,230	191,129	119,690	20,2061	1,376,553
Fuel & firewood (m ³)	367	0	17707	562	1,481	20,117
Posts & poles (units)	261	390	4,498	55	886	6,090
Craftwood (units)	0	134	4	0	527	665
Minor products	2,044	0	679	15	348	3,086
Native Forest Total	595,838	582,203	413,198	151,162	355,213	2,097,614

Plantation	Bass	Derwent	Huon	Mersey	Murchison	Total
Softwood sawlog (m ³)	28,866	17,827	0	515	53,516	100,724
Softwood export log (m ³)	0	0	0	0	0	0
Softwood roundwood (m ³)	0	0	0	0	0	0
Posts & poles (units)	0	0	0	0	243	243
Young eucalypt sawlog (m ³)	0	0	0	0	138	138
Softwood pulpwood (t)	41,092	196,586	0	30	6,429	244,137
Eucalypt pulpwood (t)	75,346	49,571	5,469	13,223	27,596	171,205
Plantation Total	145,304	263,984	5,469	13,768	87,922	516,447

Note:

- 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	2007/08 Volume	Estimated MDLV (\$)	2008/09 Volume	Estimated MDLV (\$)	2009/10 Volume	Estimated MDLV (\$)	2010/11 Volume	Estimated MDLV(\$)
Sawlog Cat. 1 & 3 (m ³)	297,915	28,301,925	238,925	23,175,725	205,422	20,542,200	189,915	19,561,245
Sawlog Cat. 2 & 8 (m ³)	87,090	6,096,300	60,689	4,308,919	37,897	2,766,481	48,532	3,639,900
Veneer (m ³)	6,036	784,680	6,229	822,228	5,117	695,912	6,787	950,180
Regrowth peeler log (t)	88,694	7,006,826	22,235	1,778,800	74,669	6,197,527	112,795	9,587,575
Domestic peeler log (m ³)	120,896	8,100,032	193,429	13,153,172	224,432	15,710,240	318,597	19,115,820
Special species log (m ³)	21,703	2,474,142	12,496	1,449,536	12,350	1,482,000	14,477	1,795,148
Pulpwood (t)	2,230,874	129,390,692	2,004,226	118,249,334	1,388,986	84,728,146	1,376,553	71,580,756
Hardwood plantation production	2007/08 Volume	Estimated MDLV (\$)	2008/09 Volume	Estimated MDLV (\$)	2009/10 Volume	Estimated MDLV (\$)	2010/11 Volume	Estimated MDLV(\$)
Sawlog (t)	8,087	598,438	7,754	581,550	0	0	137	10,275
Pulpwood (t)	176,703	11,485,695	135,549	8,946,234	179,495	12,205,660	171,205	11,984,350
Softwood plantation production	2007/08 Volume	Estimated MDLV (\$)	2008/09 Volume	Estimated MDLV (\$)	2009/10 Volume	Estimated MDLV (\$)	2010/11 Volume	Estimated MDLV(\$)
Sawlog (t)	440,517	33,919,809	311,018	24,259,404	433,798	34,703,840	404,786	33,192,452
Export logs (t)	8,620	663,740	0	0	7,519	601,520	34,460	2,825,720
Roundwood (t)	10,766	699,790	11,806	779,196	10,845	737,460	9,973	698,110
Pulpwood (t)	347,617	22,595,105	303,675	20,042,550	359,931	24,475,308	462,047	32,343,290
Total	3,845,518	252,117,174	3,308,031	217,546,648	2,940,461	204,846,294	3,150,264	207,284,821

Note:

- 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 Forestry estate value summary

Forest Estate	2006/07 (\$ million)	2007/08 (\$ million)	2008/09 (\$ million)	2009/10 (\$ million)	2010/11 (\$ million)
Standing timber wholly owned	282.27	224.45	274.37	247.85 ¹	145.93
Standing timber joint ventures	106.40	105.31	110.92	70.89	91.10
Roads and structures	105.59	111.03	115.29	114.65	116.75
Non-commercial zones				-65.8	-57.10
Tourist infrastructure	8.17	9.77	4.98	4.81	4.80
TOTAL	502.43	450.56	505.56	372.40	301.48

Note:

1. Change in valuation methodology. New approach values entire forest estate inclusive of roads and lands. Valuation completed by an independent international valuer.

3.4 Pulpwood audit summary

	2006/07	2007/08	2008/09	2009/10	2010/11
Pulpwood sold (t)	2,136,687	2,230,874	2,005,448	1,388,986	1,547,759
Pulpwood audited (t)	128,010	156,016	158,559	69,400	120,063
Sawlog recovered (m ³)	75	59	169	139	110
Percent audited	6.0%	7.0%	7.9%	5.0%	7.8%
Sawlog recovery	0.06%	0.04%	0.11%	0.20%	0.09%

3.6 Native forest harvesting and regeneration summary (hectares)

Native forest	2006/07	2007/08	2008/09	2009/10	2010/11
Area clearfelled	6,410	4,770	4,060	3,460	3,370
Area of partial harvesting ¹	4,920	7,960	8,080	5,070	6,980
Total	11,330	12,730	12,100	8,500	10,300
Area regenerated ²	8,020	11,180	11,400	9,200	8,100

Notes:

- Areas include land managed by Forestry Tasmania in Buckland Military Training Area.
- 1. Excludes thinning.
- 2. Regeneration treatments are often undertaken in the year following the year in which harvesting was completed.

3.5 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
2010/11	69	2.15	1.57

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3.7 Plantation establishment (hectares)

Ownership	New area planted ⁵ 2010/11		Area replanted ⁶ 2010/11		Net area of plantation at 30/6/2011	
	SW	HW ¹	SW	HW	SW	HW
Forestry Tasmania (FT) plantation on state forest & Crown land	0	0	90	280	4,280	30,050
FT joint venture plantation on state forest & Crown land ²	0	30	800	430	48,030	8,580
FT joint venture plantation on private land	0	0	0	0	50	200
Tassie Trees Trust plantation on state forest ³	0	0	0	0	300	1,480
FT plantation on private land	0	0	0	0	0	820
Private plantation on state forest	0	0	0	0	0	14,830
Total 2010/11⁴	0	30	880	710	52,670	55,960
(Total 2009/10) ⁴	0	700	1,011	670	52,020	55,230

Notes:

- SW: softwood, HW: hardwood¹.
 - Planting period for mapping and reporting purposes is from 1st July 2010 to 30th June 2011.
 - Figures exclude plantation areas clearfelled but not yet re-planted.
 - Excludes former plantations which are now managed for recreation within forest reserves.
1. The majority of mixed hardwood/softwood plantations are reported as hardwood.
 2. Includes the softwood plantations which are 50% owned by GMO Renewable Resources, for which data is supplied by Timberlands Limited as at 30th June 2011, and softwood plantations jointly owned with Norske-Skog, for which data is supplied by Norske-Skog as at 1st June 2011.
 3. Tassie Trees Trust plantations are mainly jointly owned with private growers, but include small proportions owned solely by Forestry Tasmania.
 4. Figures in the Total rows are not the sum of the columns but the rounded actual totals.
 5. New plantings follow harvestings commenced prior to 31st December 2006.
 6. Includes some areas planted to a different crop from the previous crop.

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

State forest ¹	2006/07	2007/08	2008/09	2009/10	2010/11
Annual conversion	4,550	3,180	2,190	700	30
Cumulative NF converted since 1996	43,150	46,330	48,520	49,220	49,250
Proportion of 1996 baseline statewide native forest ²	1.4%	1.4%	1.5%	1.5%	1.5%

Notes:

1. Areas include land managed by Forestry Tasmania in Buckland Military Training Area.
2. Native forest on all tenures, as mapped in 1996 (3.21 million ha baseline).

3.9 Native forest regeneration success (hectares)

Forest Type	0–9% (not stocked)	10–39% (ecological stocking)	40–64% (low wood quality)	65–84% (optimum)	85–100% (maximum)	Total
Dry eucalypt		40	874	585	364	1,863
Wet eucalypt		47	326	1,678	841	2,659
High altitude <i>E. delegatensis</i>		164	356	2,483	0	3,003
Fenced intensive blackwood		0	0	61	0	61
Swamp blackwood		0	0	0	0	0
Rainforest		0	0	0	0	0
Huon pine forest		0	0	0	0	0
Total		250	1,556	4,808	1,206	7,820
				% Area met standard		88

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3.10 Special timbers sawlog and craftwood production (tonnes)

	2006/07	2007/08	2008/09	2009/10	2010/11
Blackheart sassafras	134	621	500	90	277
Blackwood	8,456	11,137	8,901	7,962	11,259
Celery-top pine	1,149	1,427	881	882	2,181
Eucalypt/mixed species	5,092	6,389	1,735	2,883	534
Huon pine	366	620	354	423	613
King Billy pine	32	0	0	3	0
Myrtle	802	1,134	896	518	250
Silver wattle	374	480	262	92	19
White sassafras	94	139	15	34	9
Total	16,498	21,947	13,543	12,887	15,142

Note:

- Only includes special species grown in native forests.

3.11 Non-chemical browsing control summary

Treatment type	2006/07	2007/08	2008/09	2009/10	2010/11
Number of control operations (number of coupes)	248	356	419	411	402
Number of coupes monitored ¹				489	420
Length of fencing (km)	3.7	14	32	17	1.4
Tree guards (number of coupes)	5	0	28	2	4
Stockings/sleeves (ha)	0	706	1,000	180	143

Note:

1. 2009/10 was the first year in which this number was recorded and reported.

3.12 Honey production summary¹

Year	Total weight (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
2010/11	214,942

Note:

1. As reported by beekeepers to Forestry Tasmania.

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4.1 Soil conservation

Year	Unavailable for harvest due to erosion hazard (ha)	Number of landslips detected in the districts in year	Total area within district managed for soil values (ha)
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
2010/11	4,378	6	171,160

4.2 Geomorphology conservation

Year	Number of geomorphological sites identified	Area managed for geoconservation values (ha)
2006/07	160	120,246
2007/08	42	120,413
2008/09	41	121,449
2009/10	94	124,200
2010/11	45	124,279

4.3 Area of plantation identified as having moderate or severe damage (hectares)

Eucalyptus plantations:	2006/07		2007/08		2008/09		2009/10		2010/11	
	Moderate	Severe	Moderate	Severe	Moderate	Severe	Moderate	Severe	Moderate	Severe
Soil fertility/ site issues	208	1,797	138	2,435	284	1,347	267	1,672	305	1,126
Damage by insects	687	256	486	383	1,746	599	2,954	158	2,596	794
Multiple causes	343	657	106	878	247	1,038	150	1,078	832	2,238
Climate/ environmental	57	456	73	701	58	47	309	303	307	390
Unknown	193	62	173	71	72	112	49	59	44	139
Silvicultural	81	210	20	251	14	28	0	25	32	135
Damage by mammals	103	296	9	116	0	68	10	8	0	7
Fungal diseases	168	149	66	0	77	63	268	0	1,057	909
Weeds	13	46	0	97	99	48	0.5	19	31	2

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4.4 Leaf beetle IPM system results

Leaf Beetle IPM System	2006/07	2007/08	2008/09	2009/10	2010/11
Area monitored (ha)	21,025	20,379	20,515	25,690	28,912
Area monitored that is above threshold (ha)	1,780	7,213	5,712	7,713	9,571
Area monitored above threshold treated with alpha-cypermethrin (ha)	943	6,299	3,526	5,939	5,576
Area monitored above threshold treated with spinosad (ha)	75	313	635	0	208
Total area treated (ha)	1,018	6,612	4,161	5,939	5,784
Area monitored above threshold-natural controls (ha)				1,269	1,313
Area monitored above threshold not treated (ha)	762	601	1,550	505	2,786
% monitored area sprayed	5%	32%	20%	23%	0
Proportion area sprayed with spinosad: cypermethrin	0.08	0.05	0.18	0.00	0

4.5 Pesticide usage on forestry operations¹ – by schedule

	2008/09	2009/10	2010/11
SUSDP Category²	Amount of active ingredient (kg)		
Unscheduled	563.7	2,708	276.1
Schedule 5	3,802.5	737.4	1,305.2
Schedule 6	479.6	244.4	1,123.6
Area treated (ha)	5,494	5,083	5,858

Notes:

1. On Forestry Tasmania's Defined Forest Area.
2. SUSDP = Standard for the uniform scheduling of drugs and poisons.

4.6 Pesticide usage on forestry operations¹ – by chemical type

	2008/09	2009/10	2010/11
Pesticide Type	Amount of active ingredient (kg)		
Herbicide	3,831.9	2,444.4	1,355.7
Herbicide additive	505.1	206	226.6
Herbicide carrier	3.2	291.1	57
Insecticide	473.2	736	1,035
Pesticide additive	32.2	12.3	30.5
Area treated (ha)	5,494	5,083	5,858

Note:

1. On Forestry Tasmania's Defined Forest Area.

sustaining CARBON STORES, CLEAN AIR, WATER AND HEALTHY FORESTS

4.7 Fertiliser usage on forestry operations¹ – by nutrient type

	2008/09	2009/10	2010/11
Nutrient Type	Amount of active ingredient (t)		
Nitrogen	438.8	567	315.9
Phosphorus	150.9	148.3	78.6
Potassium	11.5	0.03	0.65
Copper	3.9	1.6	0.03
Total area treated (ha)	8,872	8,543	5,589

Note:

1. On Forestry Tasmania's Defined Forest Area.

4.9 Pesticide usage at Perth nursery & seed orchards¹ – by chemical type

	2008/09	2009/10	2010/11
Pesticide Type	Amount of active ingredient (kg)		
Fungicide	49.3	59.2	20
Herbicide	124.8	87	90.2
Herbicide additive	0.03	90.6	0.8
Insecticide	8	4	2.2
Pesticide additive	0.03	51.7	9.1

Note:

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

4.8 Pesticide usage at Perth nursery & seed orchards¹ – by schedule

	2008/09	2009/10	2010/11
Pesticide Type	Amount of active ingredient (kg)		
Unscheduled	8.6	144.6	10.6
Schedule 5	134.2	127.9	84.3
Schedule 6	34.8	22	27.5
Schedule 7	4.5	0.03	0.03

Note:

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

4.10 Fertiliser usage¹ at Perth nursery & seed orchards² – by nutrient type

	2008/09	2009/10	2010/11
Nutrient Type	Amount of active ingredient (kg)		
Nitrogen	565.2	718.7	543.9
Phosphorus	189.6	499.8	317.4
Potassium	372.5	180.5	308.4
Calcium	311.7	103.4	76.7

Notes:

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

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4.11 Water testing associated with spray operations

	2006/07	2007/08	2008/09	2009/10	2010/11
No. of samples taken associated with chemical-spraying operations	269	489	196	99	81
No. of detections and percentage of no chemical detections against ADWG Health Value ¹ for chemical residues ²	(0) 100%	(0) 100%	(0) 100%	(0) 100%	(1) 100%

Notes:

1. Australian Drinking Water Guidelines Health Value or any detection where no value indicated.
2. Measured by DPIPWE testing laboratory.

4.12 Air quality particulate monitoring stations summary

	2006/07		2007/08		2008/09		2009/10		2010/11	
	Exceeded	FT contributed	Exceeded	FT contributed	Exceeded	FT contributed	Exceeded	FT contributed	Exceeded	FT contributed
Hobart	0	0	0	0	0	0	2	0	0	0
Launceston	7	1	7	1	3	0	12	0	10	0
Georgetown	N/A	N/A	N/A	N/A	0	0	4	0	4	0
Judbury	0	0	0	0	0	0	3	3	n/a	n/a
Total	7	1	7	1	3	0	21	3	9	0

Note:

- This table provides a summary of PM2.5 & PM10 exceedences recorded by the EPA between 1st July 2010 and 30th July each year. Figures for Judbury station have not been provided for 2010/11 because the air quality monitoring equipment used to report against national standards is not operational.

sustaining SAFETY, COMMUNITY ACCESS AND HERITAGE

5.1 Summary of Aboriginal cultural heritage surveys

Year	Area surveyed (ha)	Number of new sites detected	Number of old sites redetected
2006/07	1,735	4	0
2007/08	3,149	7	1
2008/09	211	1	0
2009/10	2,457	10	1
2010/11	756	5	2

5.2 Non-Aboriginal cultural heritage management

Year	Area surveyed (ha)	Number of new sites detected	Number of old sites redetected
2006/07	190	42	13
2007/08	333	34	26
2008/09	570	26	17
2009/10	875	91	25
2010/11	1163	33	12

5.3 Community forums attended by our staff

Community forum categories	No. meetings 2006/07	No. meetings 2007/08	No. meetings 2008/09	No. meetings 2009/10	No. meetings 2010/11
Fire management	42	34	34	33	26
Catchment management	28	24	23	20	20
Local emergency management	12	12	11	19	13
Education	51	46	49	75	39
Local government	41	40	43	38	39
Cultural management	9	4	6	12	2
Biodiversity management	6	5	14	13	3
Feral animals/weeds	16	16	6	12	23
Industry	75	58	42	171	51
Recreation/tourism	122	118	80	97	54
Regional planning	31	17	45	45	21
Conservation/environmental	26	26	34	27	28
Forest practices	34	14	19	20	11
Other	40	35	59	166	27
TOTAL	533	438	465	748	357

sustaining SAFETY, COMMUNITY ACCESS AND HERITAGE

5.4 District sponsorship (cash and in-kind)

District Sponsorship	Value (\$)
Axemen's clubs	2,752
Carnivals/community celebrations/ expos/rodeos	2,203
Geeveston Bowls Club	2,300
General community sponsorship	26,973
Other sporting groups	7,151
Rotary/Lions Clubs	1,200
Schools	372
Tasmanian Symphony Orchestra	2,497
TOTAL	45,448

5.5 Corporate sponsorship

Community Assist Program	Value (\$)
Rotary Club of Hobart Annual World Festival of Magic	500
Lions Club of Hobart Circus Quirkus	500
Shorewell Park Kommunity Kids	1,000
Tasmanian Sail Training Association	1,000
Individual Young Athletes	1,500
Launceston Mountain Bike Club	3,000
Kilburn Netball Club	4,000
Tamar Canoe Club – Ben Lomond Descent	5,000
Rotary Club of Hobart Charity Art Show	6,000
Derwent Valley Autumn Festival	8,000
Schools Triathlon Challenge	10,000
Football Federation Tasmania	30,000
TOTAL	70,000

Other community service grants	Value (\$)
Australian Red Cross Society	1,500
Design Forum Tasmania	20,000
University of Tasmania	2,500
World Forest Day	6,500
TOTAL	30,500

Research funding	Value (\$)
Lyn Forster – research	1,000
Warra projects	7,500
TOTAL	8,500

Contributions to forest education	Value (\$)
TOTAL	238,500

TOTAL	347,500
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Notes:

- Figures have been rounded to the nearest 500 dollars, are GST exclusive and do not include sponsorships under \$1000
- Figures in the total rows are not the sums of the columns but the actual rounded totals.

sustaining SAFETY, COMMUNITY ACCESS AND HERITAGE

5.6 Safety statistics

	2006/07	2007/08	2008/09	2009/10	2010/11
Number of direct employees ¹	546	523	547	513	424
Number of contractors	1,343	1,274	1,228	1,194	975
Operating revenue per employee (\$,000)	361	353	330	312	415
Earning before interest and tax per employee (\$,000)	40	21 ²	18	(14)	(15)
Wood production per employee (m ³)	6,091	6,775	5,782	5,179	6,749
Number of workers compensation claims	31	33	33	19	19
% of gross wages	0.16	0.18	0.10	0.15	0.19
Lost time injury frequency rate (LTIFR)	10.87	11.36	12.54	8.56	9.5
All claims frequency rate	30.63	34.07	34.49	20.33	22.56
Lost time injury severity rate	9.88	8.77	9.98	14.88	10.45
Harvesting contractors LTIFR	12.65	17.63	17.92	7.37	6.9

Notes:

1. Number of staff employed, including Adventure Forests staff, not the number of full-time equivalents.
2. The statistics for 2007/2008 are not directly comparable to previous years due to changes in accounting policies.

sustaining SCIENCE-BASED STEWARDSHIP

6.1 Summary of compliance with *Forest Practices Act 1985*

	2006/07	2007/08	2008/09	2009/10	2010/11
Number of forest practices plans in operation	1,606	1,838	1,732	2,384	1,614
Written S41 notices issued to FT	1 (0.06%)	0 (0%)	7 (0.4%)	0 (0%)	0 (0%)
S41 notices issued to contractors on state forest	3 (0.2%)	7 (0.4%)	3 (0.17%)	1 (0.04%)	0 (0%)
Fines or prosecutions issued to FT by FPA	1	1	0	1 (\$1500)	1 (\$3,000)
Compliance certificates outstanding as reported by Forest Practices Authority (August)	93 (93%)	34 (92%)	0 (100%)	0 (100%)	0 (100%)

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

	2006/07	2007/08	2008/09	2009/10	2010/11
Notices issued to Forestry Tasmania under <i>Workplace Health and Safety Act</i>	3	3	1	0	1
Notices issued to Forestry Tasmania contractors under <i>Workplace Health and Safety Act</i>	4	3	1	0	0 ¹

Note:

1. Forestry Tasmania does not always hear whether contractors receive notices under the *Workplace Health and Safety Act 1995*. Workplace Standards do advise Forestry Tasmania sometimes but often it is an issue between the contractor and Workplace Standards.

sustaining SCIENCE-BASED STEWARDSHIP

6.3 Audits of SFM systems

Year	Internal Audit program		External audit program	
	No. of audits	Areas of concern	No. of audits	Areas of concern
2006/07	8	120	2	118
2007/08	7	31	2	82
2008/09	8	46	3	85
2009/10	5	40	1	9
2010/11	9	96	1	9

6.4 Research expenditure summary

	2006/07	2007/08	2008/09	2009/10	2010/11
Total spent on research (\$'000)	4,432	4,387	4,208	4,060	4,030
Net operating costs (\$'000)	138,143	141,052	140,527	136,143	146,677
As a % of forest management operational cost	3.2%	3.1%	3.0%	3.0%	2.7%
Number of (FTE) staff employed	36	37	35	32	30