



(See page 397 for English summary)

Foreword	5
Contents in brief and editors	6
List of tables and figures	17
Explanation of symbols	27
Tree species	27
Maps	29
Sammandrag	389
Summary	397
Index	410

* new figure or table

I FOREST RESOURCES

Text	[in Finnish]	
	Literature	37
Figures	1.1 Mean volume of the growing stock on forest and scrub land, 1989–94	39
	1.2 Proportions of pine, spruce and birch forests on forest land, 1989–94	40
	1.3 Forestry land by forestry centre	41
	1.4 Growing stock volumes by forestry centre	41
	1.5 Forestry land, growing stock and annual increment of the growing stock by forest ownership category	42
	1.6 Growing stock volumes since the 1920s	42
	1.7 Age structure of forests in the 1960s and 1990s	43
	1.8 Annual increment of the growing stock and growing stock drain, 1950–2003	43
	1.9* Carbon stocks and average stock changes in mineral-soil sites on forest land in Finland	44
	1.10* Fossil carbon emissions and forest carbon sinks in Finland, 1923–2002	44
	1.0 Finland's forest resources in brief	45
Tables	Area distributions	
	1.1 Land use from the 1950s to the 2000s	46
	1.2 Forestry land by forestry centre, 1992–2002	47
	1.3 Distribution of forestry land into mineral-soil sites and mires, 1992–2002	48
	1.4 Total area of drained sites, 1992–2002	49

Contents

1.5	Forest land by tax class, 1992–2002	50
1.6	Statutory nature conservation and wilderness areas on forestry land, January 1, 2004	51
1.7	Ownership of forestry land by forestry centre, 1992–2002	52
1.8	Number of non-industrial, private forest holdings, January 1, 2003	54
1.9	Transaction prices paid for forestry land, 2002–2004	55
1.10*	Transaction prices paid for forestry land by province, 1985–2003	56
1.11	Tree-species dominance on forest land, 1992–2002	57
1.12	Pure and mixed forest stands on forest land, 1992–2002	58
1.13	Age of forest stands on forest land, 1992–2002	59
1.14	Forest land by stand development class, 1992–2002	60
1.15	Establishment methods applied in seedling stands and young thinning stands on forest land	61
1.16	Forest land by silvicultural state of forest stands, 1992–2002	62
	Volume and structure of the growing stock, and volume increment	
1.17	Growing stock volumes, 1992–2002	63
1.18	Mean growing stock volumes on forest land by dominant tree species, 1992–2002	64
1.19	Mean growing stock volumes on forest land by development class, 1992–2002	65
1.20	Growing stock by roundwood assortment, 1992–2002	66
1.21	Development of timber size on forest land since the 1950s	67
1.22	Annual increment of the growing stock on forest and scrub land.....	68
1.23	Mean annual increment of the growing stock on forest land	69
	Growing stock drain and change in carbon stocks in trees	
1.24	Growing stock drain, 2003	70
1.25	Growing stock drain, 1953–2003	71
1.26*	Carbon dioxide flux of trees, 1990–2003	72
2 FOREST HEALTH AND BIODIVERSITY		
Text	[in Finnish]	
	Literature	81
Figures	2.1 Deposition of sulphur and nitrogen, 2001	82
	2.2 The portion of ozone during the growing period in certain areas of Finland, 1992–2003	82
	2.3 Lead and copper concentration in mosses in 1985, 1995 and 2000	83
	2.4 Defoliation frequency distribution for pine, spruce and broadleaves on mineral-soil sites, 1986–2003	84
	2.5 Proportion of damaged conifers in various European countries, 2003	84
	2.6 Nature conservation areas by forest vegetation zone	85
Tables	2.1 Degree of forest damage on forest land, 1992–2002	86
	2.2 Symptoms of forest damage reducing stand quality, 1992–2002	87
	2.3 Occurrence of damaging agents reducing stand quality, 1992–2002	88
	2.4 Forest fires, 1970–2003	89
	2.5 Forest damage compensations paid by insurance companies, 1980–2003	90
	2.6 Areas of protected forests and forests under restricted forestry use, 2002	91
	2.7 Statutory nature conservation and wilderness areas on state land, January 1, 2004	92
	2.8 Realisation of nature conservation programmes, January 1, 2004	93
	2.9* Restorations of forests completed by the end of 2002	94

Contents

2.10	Numbers of threatened species by primary habitat in 2000	95
2.11	Especially valuable habitats as defined in the Forest Act in non-industrial, private forests	96
2.12	Volume of decayed and other dead trees on forest and scrub land	97
2.13	Number of stems of certain broadleaves important for the biodiversity on forest and scrub land	98

3 SILVICULTURE

Text	[in Finnish]		
	Literature		102
Figures	3.1	Natural and artificial regeneration, 1965–2003	104
	3.2	Artificial regeneration and clear fellings, 1970–2003	104
	3.3	Number of seedlings delivered for planting, 1966–2003	105
	3.4	Proportion of qualified seed used in nurseries by main tree species, 1991–2003	105
	3.5	Tending of seedling stands and improvement of young stands, 1950–2003	106
	3.6	Forest fertilisation, 1964–2003	106
	3.7	Forest drainage, 1980–2003	107
	3.8	Construction and basic improvement of forest roads, 1950–2003	107
	3.9	Area treated with fellings, 1970–2003	108
	3.10	Total costs of silvicultural and forest-improvement works, 1963–2003, expressed in 2003 money	108
	3.11	Financing of silvicultural and forest-improvement works in non-industrial, private forests, 1963–2003, expressed in 2003 money	109
	3.12	The proportions of different silvicultural and forest-improvement works in the total costs, 1967–2003	109
Tables	3.0	Silvicultural and forest-improvement works in brief, 2003	110
		Silvicultural and forest-improvement works	
	3.1*	Amounts of silvicultural and forest-improvement works, 2003	111
	3.2	Preparation of regeneration areas, 2003	112
	3.3	Preparation of regeneration areas, 1956–2003	114
	3.4	Artificial regeneration, 2003	115
	3.5	Artificial regeneration by forest-ownership category, 1958–2003	116
	3.6	Artificial regeneration by tree species, 1970–2003	117
	3.7	Afforestation of arable land, 1970–2003	118
	3.8	Number of domestic seedlings delivered for planting, 1980–2003	119
	3.9	Amounts of seed used in nurseries, 2003	120
	3.10	Tending of seedling stands and improvement of young stands, 2003	121
	3.11	Tending of seedling stands, 1957–2003	122
	3.12	Pruning, 1983–2003	123
	3.13	Forest fertilisation, 1975–2003	124
	3.14	Ditch cleaning and supplementary ditching, 2003	125
	3.15	Forest drainage, 1962–2003	126
	3.16	Construction and basic improvement of forest roads, 2003	127
	3.17	Construction and basic improvement of forest roads, 1955–2003	128
	3.18	Area treated with fellings, 2003	129
	3.19	Area treated with fellings, 1970–2003	132
		Costs of silvicultural and forest-improvement works	
	3.20	Total costs of silvicultural and forest-improvement works, 2003	133
	3.21	Total costs of silvicultural and forest-improvement works by type of work, 2003	134

Contents

3.22	Total costs of silvicultural and forest-improvement works by type of work, 1970–2003	137
3.23	Total costs of silvicultural and forest-improvement works by forest-ownership category, 1963–2003	138
3.24	Financing of silvicultural and forest-improvement works in non-industrial, private forests, 2003	139
3.25	State loans and grants used for securing wood production, maintaining biodiversity and management of forest nature in non-industrial, private forests, 2003	140
3.26	Unit costs of silvicultural and forest-improvement works, 2003	142
3.27	Unit costs of ditch cleaning and supplementary ditching, 2003	145
3.28	Unit costs of construction and basic improvement of forest roads, 2003	146
3.29	Unit costs of some silvicultural and forest-improvement works in non-industrial, private forests, 1967–2003	147

4 ROUNDWOOD MARKETS

Text	[in Finnish] Literature	153
Figures	4.1 Variation in stumpage prices by forestry centre, 2003	154
	4.2 Average stumpage prices in private forests by felling season, 1949/50–2003/04 ..	155
	4.3 Real stumpage price index by felling season, 1949/50–2003/04	156
	4.4 Monthly stumpage prices of roundwood during 1986–2004	156
	4.5 Commercial roundwood removals by month	157
	4.6 Commercial roundwood removals by forest ownership category, 1970–2003	157
	4.7 Roundwood inventories of the forest industries, 1980–2004	158
Tables	4.0 Key figures for the roundwood markets, 2003	159
	Roundwood trade in private forests	
	4.1 Roundwood trade in non-industrial, private forests by forestry centre, 2003	160
	4.2 Monthly roundwood trade in non-industrial, private forests, 2003–2004	161
	4.3 The proportion of roundwood originating from farms subject to area-based forest taxation system, 1997–2003	162
	4.4 Roundwood trade in non-industrial, private forests by type of sale, 1987–2003	163
	Roundwood prices in private forests	
	4.5 Average monthly stumpage prices in non-industrial, private forests, 2003–2004 ...	164
	4.6 Average monthly delivery prices in non-industrial, private forests, 2003–2004	165
	4.7 Average stumpage prices by forestry centre, 2002–2003	166
	4.8 Average delivery prices by forestry centre, 2002–2003	167
	4.9 Average stumpage prices in non-industrial, private forests, 1949/50–2003	168
	4.10 Average delivery prices in non-industrial, private forests, 1983–2003	169
	Roundwood production	
	4.11 Commercial roundwood removals by month, 2003–2004	170
	4.12 Commercial roundwood removals by forest ownership category and month, 2003–2004	171
	4.13 Commercial roundwood removals by forestry centre, 2003	172
	4.14 Commercial roundwood removals, in non-industrial, private forests, 2003	173
	4.15 Commercial roundwood removals out of standing and delivery sales, in non-industrial, private forests, 2003	174
	4.16 Commercial roundwood removals, in the forest industries' own forests, 2003	175
	4.17 Commercial roundwood removals, in the forests of Metsähallitus, 2003	176

Contents

4.18	Commercial roundwood removals by roundwood assortment, 1955–2003	177
4.19	Commercial roundwood removals by forest ownership category, 1955–2003	178
4.20	Total roundwood removals by forestry centre, 2003	179
4.21	Total roundwood removals from non-industrial, private forests by forestry centre, 2003	180
4.22	Total roundwood removals by roundwood assortment, 1985–2003	181
4.23*	Cutting possibilities by forestry centre	182
Roundwood inventories of the forest industries		
4.24	Roundwood inventories of forest industries on 30 June, 1980–2004	183
4.25	Roundwood inventories of forest industries on 31 December, 1980–2003	184
Wood fuel		
4.26	Prices paid for solid wood fuel, 2000–2003	185

5 HARVESTING AND TRANSPORTATION OF ROUNDWOOD

Text	[in Finnish] Literature	190
Figures	5.1 Harvesters in commercial roundwood production, 1982–2003	191
	5.2 Degree of mechanisation in timber fellings, 1985–2003	191
	5.3 Forwarders in commercial roundwood production, 1982–2003	192
	5.4 Timber lorries in commercial roundwood transportation, 1982–2003	192
	5.5 Imports of roundwood and wood residues by port and check point, 2003	193
Tables	5.0 Harvesting and transportation of domestic roundwood in brief, 2003	194
Harvesting equipment		
	5.1 Forestry machines operating in harvesting and transportation of roundwood, 1982–2003	195
Harvesting and transportation of roundwood		
	5.2 Harvesting and transportation costs of roundwood in 2002 and 2003	196
	5.3 Long-distance transportation of roundwood, 2003	197
	5.4 Volumes and costs in long-distance transportation of roundwood, 1982–2003	198
	5.5 Road transportation of roundwood and forest industry products in Finland, 1995–2003	199
	5.6 Railway transportation of roundwood and forest industry products in Finland, 1985–2003	200
	5.7 Exports and imports transportation of roundwood and forest industry products in Finland, 2003	201
	5.8 Unit costs in harvesting and transportation of roundwood, 1985–2003	202
	5.9 Unit costs in harvesting of roundwood out of delivery sales in non-industrial, private forests, 1991–2003	202

6 MULTIPLE-USE FORESTRY

Text	[in Finnish] Literature	208
Figures	6.1 Population density of capercaillie, black grouse and hazel grouse, 1964–2004	209
	6.2 Moose winter population and bags of moose, 1964/65–2003/04	209

Contents

Tables	Forest game	
6.1	Bags of game, 2003	210
6.2	Bags of game, 1980/81–2003	211
6.3	Moose population, 1976/77–2003/04	212
6.4	Minimum populations of large predators and numbers of predators shot, 1980–2003	213
	Wild berries, mushrooms and lichen	
6.5	Market supply of wild berries and mushrooms, and picking incomes by region, 2003	214
6.6	Market supply of wild berries and mushrooms, and picking incomes, 1977–2003	215
6.7	Lichen exports, 1980–2003	216
	Reindeer husbandry	
6.8	Reindeer husbandry, 1959/60–2003/04	217
	Recreation	
6.9*	Participation in forest-related recreation	218
	Peat production	
6.10	Peat resources by forestry centre	219
6.11	Peat production, consumption and exports, 1980–2004	220
7 FOREST SECTOR'S LABOUR FORCE		
Text	[in Finnish]	
	Literature	224
Figures	7.1 Distribution of the population in 2003 according to the Labour Force Survey	225
	7.2 Persons employed in forestry, 1980–2003	226
	7.3 Persons employed in wood-products industries, 1980–2003	226
	7.4 Persons employed in pulp and paper industries, 1980–2003	227
	7.5 Index of real earnings by branch of industry, 1980–2003	227
Tables	7.0 Labour force in the forest sector in brief, 2003	228
	Labour force	
	7.1 Total labour force, 1970–2003	229
	7.2 Persons employed in the forest sector, 1970–2003	230
	7.3 Persons employed in the forest sector and their proportion of the total employment by forestry centre, 1990–2003	231
	7.4* Employment in the forest sector by establishment class according to personnel size, 2003	232
	7.5* Persons employed in forest sector by gender, 1984–2003	233
	7.6 Persons employed in forestry by employment status, 1970–2003	234
	7.7 Employed persons in forestry, forest improvement and road transportation of roundwood by type of work, 1970–2003	235
	7.8 Working days in forestry, agriculture and in all industries, 1971–2003	236
	7.9 Persons employed by forest industries, 1980–2003	237
	7.10 Unemployed persons in forest sector, 1980–2003	238
	Wages and salaries	
	7.11 Average daily and hourly earnings of forestry workers, 1985–2003	239
	7.12 Average earnings per hour of workers employed by the forest industries by gender, 1970–2003	240
	7.13 Index of real earnings in the forest sector, 1980–2003	241

Contents

	Labour disputes	
7.14	Labour disputes in the forest industries, 1972–2003	242
	Occupational accidents	
7.15	Forest sector accidents, 1976–2003	243
7.16	Forest sector's accident susceptibility, 1976–2003	244
	Forestry education	
7.17	Forestry education, number of students graduating annually, 1971–2003	245
7.18	Education for forest industries, number of students graduating annually, 1971–2003	246

8 WOOD CONSUMPTION

Text	[in Finnish]	
	Literature	251
Figures	8.1 Wood consumption in 2003	252
	8.2 Roundwood consumption by category of use, 1955–2003	253
	8.3 Wood consumption by forest industries by branch of industry, 1955–2003	253
	8.4* Consumption of logs by forest industries, 1955–2003	254
	8.5* Consumption of pulpwood by forest industries, 1955–2003	254
	8.6 Consumption of domestic and imported roundwood by forest industries, 1955–2003	255
	8.7* Roundwood consumption by forest industries by category of use, 2003	255
	8.8 Energy consumption in Finland by source of energy, 2003	256
Tables	8.0 Wood consumption in brief, 2003	257
	8.1 Wood consumption by category of use and assortment, 1955–2003	258
	8.2 Industrial wood consumption by forest industries, 1960–2003	261
	8.3 Wood consumption in Finland by forestry centre, 2003	262
	8.4 Wood consumption in Finland by source of origin and forestry centre, 2003	263
	8.5 Wood consumption by forest industries by branch of industry, 1960–2003	264
	8.6 Wood consumption by wood-products industries, 1980–2003	266
	8.7 Wood consumption by sawmilling industry, 1980–2003	267
	8.8 Wood consumption by plywood and veneer industry, 1980–2003	268
	8.9 Wood consumption by pulp industries, 1980–2003	269
	8.10 Wood consumption by mechanical pulp industry, 1980–2003	270
	8.11 Wood consumption by chemical pulp industry, 1980–2003	271
	8.12 Solid wood fuel consumption for energy generation by forestry centre, 2003	272
	8.13* Wood-based fuel consumption in energy generation, 1960–2003	273

9 FOREST INDUSTRIES

Text	[in Finnish]	
	Literature	278
Figures	9.1 Production of the forest industries, 1990–2004	279
	9.2* Capacity utilisation rates of the forest industries, 1980–2003	279
	9.3 Production and domestic consumption of sawn goods and plywood, 1955–2003 ..	280
	9.4 Production of pulp and paper, 1955–2003	280
	9.5* Annual turnover of the forest industries in Finland, 1974–2003	281
	9.6 Profitability of the forest industries in Finland, 1974–2003	281

Contents

Tables	Production	
9.0	Production and trade of forest industry products in brief, 2003	282
9.1	Production of sawn goods and wood-based panels, 1955–2004	283
9.2	Production of wood pulp, 1955–2004	284
9.3	Production of paper and paperboard, 1955–2004	285
	Domestic consumption and energy	
9.4	Domestic consumption of sawn goods, 1955–2003	286
9.5	Domestic consumption and collection of paper and paperboard, 1994–2003	287
9.6	Energy sources in the forest industries, 1992–2003	288
	Investments and profitability	
9.7	Investments of the forest industries in Finland, 1975–2003	289
9.8	Turnover, profitability and financial position of the forest industries, 1974–2003...	290
10 FOREIGN TRADE BY FOREST INDUSTRIES		
Text	[in Finnish]	
	Literature	294
Figures	10.1 Total value of exports of Finland, 1970–2003	295
	10.2 Foreign trade in roundwood and wood residues, 1965–2003	295
	10.3* Imports of roundwood and wood residues by roundwood assortment, 1965–2003	296
	10.4* Monthly imports of roundwood	296
	10.5 Foreign trade in roundwood and forest industry products by product group, 2003	297
	10.6 Value of exports of Finnish forest industry products by country, 2003	297
	10.7 Production and exports of forest industry products, 1970–2003	298
	10.8 Export unit values of forest industry products, 1970–2003, expressed in 2003 money	299
Tables	10.0 Finland's foreign trade in brief, 2003	300
	Roundwood and wood residues	
	10.1 Imports of roundwood and wood residues, 1999–2003	301
	10.2 Imports of roundwood and wood residues, 1965–2004	302
	10.3 Imports of roundwood by roundwood assortment, 1965–2004	303
	10.4 Imports of roundwood and wood residues by country, 2003	304
	10.5* Imports of roundwood and wood residues by country, 1989–2003	305
	10.6 Exports of roundwood and wood residues, 1999–2003	306
	10.7 Exports of roundwood and wood residues, 1965–2004	307
	10.8 Exports of roundwood and wood residues by country, 2003	308
	Forest industry products	
	10.9 Finnish foreign trade by country, 2003	309
	10.10 Exports of forest industry products, 1999–2003	310
	10.11 Value of exports of forest industry products, 1997–2003	311
	10.12 Exports of wood-products industries by country, 2003	312
	10.13 Value of exports of wood-products industries by country, 2003	313
	10.14 Exports of pulp and paper industries by country, 2003	314
	10.15 Value of exports of pulp and paper industries by country, 2003	315
	10.16 Value of exports of forest industry products by country, 1997–2003	316
	10.17 Exports of wood-products industries, 1970–2003	317
	10.18 Exports of pulp industry, 1970–2003	318
	10.19 Exports of paper industry, 1970–2003	319

Contents

10.20	Imports of forest industry products, 1999–2003	320
10.21	Imports of wood-products industries products, 1983–2003	321
10.22	Imports of pulp and paper industries products, 1983–2003	322

II FOREST SECTOR IN FINLAND'S NATIONAL ECONOMY

Text	[in Finnish]	
	Literature	327
Figures	11.1 Annual changes in the total GDP and the forest sector's contributions to change, 1976–2003	328
	11.2 The share of the forest sector in gross domestic product, 1975–2003	328
	11.3 The share of the forest sector in the regional GDP by forestry centre, 2002	329
	11.4 Gross stumpage earnings 1965–2003, expressed in 2003 monetary value	329
	11.5* The real return on non-industrial private forest ownership by component, 1983–2003	330
Tables	11.0 Value added in various industries of the national economy in brief, 2003	331
	The structure and significance of the forest sector in gross domestic product	
	11.1 Gross stumpage earnings by forest ownership category and forestry centre, 2003	332
	11.2 Gross stumpage earnings by roundwood assortment, 2003	333
	11.3 Gross and net stumpage earnings by forest ownership category, 1980–2003	334
	11.4 Output, value added and operating surplus in forestry at current prices, 1980–2003	335
	11.5 Output, value added and operating surplus in wood-products industries at current prices, 1975–2003	336
	11.6 Output, value added and operating surplus in pulp and paper industries at current prices, 1975–2003	337
	11.7 Shares of the forest sector and agriculture in gross domestic product, 1960–2003	338
	11.8 Value added of the forest sector and its share in the total regional GDP by forestry centre, 2002	339
	11.9 The development of multi-factor productivity in the forest sector, 1975–2003	340
	11.10 The development of labour productivity in the forest sector, 1975–2003	341
	11.11 The development of capital productivity in the forest sector, 1975–2003	342
	The forest sector's influence on other industries and employment	
	11.12 Effects of an increase in final demand for forest industry products on domestic output and value added at purchasers' prices, 2001	343
	11.13 Effects of an increase in final demand for forest industry products on domestic output by industry, 2001	344
	11.14 Employment effects of an increase in final demand for forest industry products, 2001	345
	11.15 Employment effects of an increase in final demand for forest industry products by industry, 2001	346
	11.16 Share of individual industrial sectors in exports of goods and services, 2001	347
	Results in non-industrial, private forestry	
	11.17 Incomes and expenses in non-industrial, private forestry per unit of forest land area, 1991–2003	348
	11.18 Incomes and expenses in non-industrial, private forestry by forestry centre, 2002 ..	349
	11.19 Incomes and expenses in non-industrial, private forestry by forestry centre, 2003 ..	350

Contents

I2 INTERNATIONAL FOREST STATISTICS

Text	[in Finnish] Literature	356
Figures	12.1 Global forest cover, %	357
	12.2 Roundwood production, 1961–2002. Whole world	358
	12.3* Production of sawn goods and wood-based panels, 1961–2003. Whole world	358
	12.4* Production of pulp and paper and paperboard, 1961–2003. Whole world	359
	12.5 Finland's position among the leading producers and exporters of some major forest industry products, 2002	360
Tables	12.0 Basic international forest statistics in brief	361
	Global forest resources	
	12.1 Global forest resource data	362
	12.2 Forest resource data for Europe	363
	12.3* Protected and protective forests in Europe	365
	Production of roundwood and forest industry products	
	12.4 Production of and foreign trade in roundwood and forest industry products by EU country (EU15), 2003	367
	12.5 Roundwood production by country, 2002	368
	12.6 Production of sawn goods and wood-based panels by country, 2002	369
	12.7 Production of pulp, paper and paperboard by country, 2002	370
	Foreign trade in roundwood and forest-industry products	
	12.8 Exports of roundwood and wood residues by country, 2002	371
	12.9 Imports of roundwood and wood residues by country, 2002	372
	12.10 Exports of sawn goods and wood-based panels by country, 2002	373
	12.11 Imports of sawn goods and wood-based panels by country, 2002	374
	12.12 Exports of pulp, paper and paperboard by country, 2002	375
	12.13 Imports of pulp, paper and paperboard by country, 2002	376
	12.14 Value of foreign trade of roundwood and forest industry products by country, 2002	377
	12.15 World production and foreign trade of roundwood and products by the wood-products industries, 1961–2003	378
	12.16 World production and foreign trade of products by the pulp and paper industries, and the value of foreign trade in all forestry products, 1961–2003	379
	International roundwood prices	
	12.17 Roadside prices of roundwood in Sweden, 1979/80–2004	380
	12.18 Roadside prices of roundwood in Norway, 1979/80–2003	381
	12.19 Roadside prices of roundwood in Estonia, 1996–2004	382
	12.20 Roadside prices of roundwood in Lithuania, 1995–2004	383
	12.21 Roadside prices of roundwood in Austria, 1980–2003	384
	12.22 Roadside prices of roundwood in Germany, 1992–2003	385
	12.23 Roadside prices of roundwood in Switzerland, 1980–2004	386
	Development projects in forest sector	
	12.24 Forest sector development projects supported by the Ministry for Foreign Affairs, 2003	387

Käytetyt symbolit ja puulajit

KÄYTETYT SYMBOLIT – EXPLANATION OF SYMBOLS

Toisto – <i>Repetition</i>	"
Ei mitään ilmoitettavaa – <i>Magnitude nil</i>	-
Suure pienempi kuin puolet – <i>Magnitude less than half</i>	0
käytetystä yksiköstä <i>of unit employed</i>	0,0
Tietoa ei ole saatu – <i>Data not available</i>	..
Loogisesti mahdoton esitettäväksi – <i>Category not applicable</i>	.
Ennakkotieto – <i>Preliminary data</i>	*
1 euro = 5,94573 mk – <i>1 euro = FIM 5.94573</i>	€

Aikasarjan katkaiseva vaakasuora viiva osoittaa, että viivan eri puolilla olevat tiedot eivät ole täysin vertailukelpoisia.

A horizontal line drawn across a time series indicates substantial breaks in the homogeneity of the series.

Taulukoiden luvut on pyöristetty erikseen, minkä vuoksi summat eivät aina täsmää.

The figures in the tables have been rounded separately and therefore the sums do not always match.

Puumäärät on ilmaistu kuorellisina kuutiometreinä (m³), ellei toisin mainita.

Wood quantities are expressed in cubic metres, solid volume overbark (m³), unless otherwise indicated.

PUULAJIT – TREE SPECIES

Pääpuulajit – *Main tree species*

Mänty – *Scots pine – Pinus sylvestris*
Kuusi – *Norway spruce – Picea abies*
Rauduskoivu – *Silver birch – Betula pendula*
Hieskoivu – *Downy birch – Betula pubescens*
Haapa – *European aspen – Populus tremula*
Harmaaleppä – *Grey alder – Alnus incana*
Tervaleppä – *Black alder – Alnus glutinosa*
Pihlaja – *Mountain ash – Sorbus aucuparia*
Raita – *Goat willow – Salix caprea*

Muut lehtipuut – *Other broadleaves*

Halava – *Bay willow – Salix pentandra*
Kynäjalava – *Fluttering elm – Ulmus laevis*
Vuorijalava – *Wych elm – Ulmus glabra*
Metsälehmus – *Small-leaved lime – Tilia cordata*
Poppeli ¹ – *Poplar – Populus sp.*
Saarni – *European ash – Fraxinus excelsior*
Tammi – *Pedunculate oak – Quercus robur*
Tuomi – *Bird cherry – Prunus padus*
Vaahtera – *Norway maple – Acer platanoides*

Muut havupuut – *Other coniferous*

Kontortamänty ¹ – *Lodgepole pine – Pinus contorta* ¹
Sembramänty ¹ – *Stone pine – Pinus cembra* ¹
Lehtikuusi ¹ – *Larch – Larix sp.* ¹
Pihta ¹ – *Fir – Abies sp.*
Tuija ¹ – *Thuja – Thuja sp.* ¹
Kataja – *Common juniper – Juniperus communis*
Marjakuusi – *English yew – Taxus baccata*

¹ Vierasperäinen – *Exotic*

Kartat

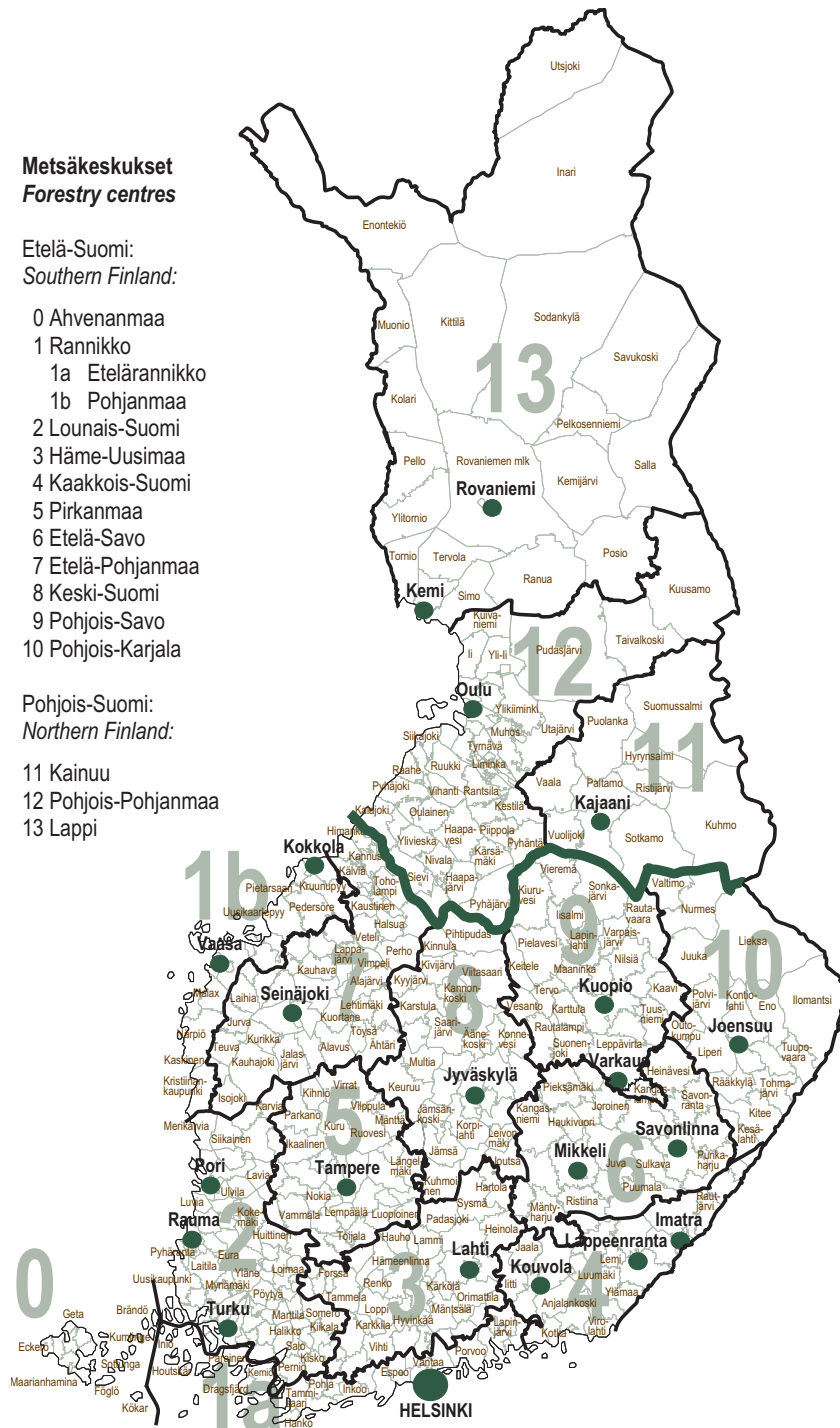
Metsäkeskukset Forestry centres

Etelä-Suomi:
Southern Finland:

- 0 Ahvenanmaa
- 1 Rannikko
 - 1a Etelärannikko
 - 1b Pohjanmaa
- 2 Lounais-Suomi
- 3 Häme-Uusimaa
- 4 Kaakkois-Suomi
- 5 Pirkanmaa
- 6 Etelä-Savo
- 7 Etelä-Pohjanmaa
- 8 Keski-Suomi
- 9 Pohjois-Savo
- 10 Pohjois-Karjala

Pohjois-Suomi:
Northern Finland:

- 11 Kainuu
- 12 Pohjois-Pohjanmaa
- 13 Lappi



Kartta 1 Metsäkeskukset
Map 1 Forestry centres

