

"Forest Resources & Sustainable Management"

Edited by Seppo Kellomäki

Forest Resources and Sustainable Management

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Volume 2 of the *Papermaking Science and Technology Series*, published by TAPPI and the Finnish Paper Engineers' Association. This comprehensive volume outlines the principles and methods of sustainable forestry, which is defined as using forest lands to maintain the biodiversity, productivity, and regeneration capacity of the forest ecosystems to fulfill the ecological, economic, and social functions of forests without damaging other ecosystems. The book describes the functioning and structure of forest ecosystems and world forest resources, the ecological basis of forest management, the principles and main practices applied to in management, the main properties of timber, the procurement and measurement of timber, and the role of the forest industry in the context of a national economy.

Contents include:

- Introduction
- Trees, forests, and the forest ecosystem
- Global forest resources
- Structure and properties of wood and woody biomass
- Forest inventory and planning
- Management of forest ecosystems
- Timber procurement
- Timber measurement
- The price of timber
- The forest sector and the national economy

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Table of Contents

1. Introduction.....	12
2. Trees, forests, and the forest ecosystems.....	21
3. Global forest resources	89
4. Structure and properties of wood and woody biomass	117
5. Forest inventory and planning	187
6. Management of forest ecosystems	219
7. Timber procurement.....	311
8. Timber measurement	365
9. The price of timber.....	395
10. The forest sector and national economy	405
Glossary	414
Conversion factors	419

"Forest Resources & Sustainable Management"

Edited by Seppo Kellomäki

Index

A

abiotic damage 342
 absolute error 374, 377
 acceleration sensor 377
 accumulation of organic matter 60, 67-69, 80, 264
 accuracy requirement 365, 373, 378, 384-385
 active period 56
 adult wood 150
 afforestation 232, 395, 400
 air pollution 108, 300
 allogenic succession 221-222
 allometry 51, 82, 253
 aminoacids 132
 ammonium 267, 269
 amorphous areas 138, 163
 angiosperm 30-33
 anisotropic 122
 annual cycle 34, 78
 annual increment 97, 112, 190, 268, 276
 annual ring 30, 144, 168
 apical meristem 21, 47, 125, 151
 arabinan 130-131
 arctic zone 89
 Artificial Intelligence 340
 artificial pruning 261
 ash 92, 128, 135-137, 174, 178, 180
 aspirated pit 141
 assimilation rate 41
 ATP 38-39, 45
 Austrian formula 203
 autogenic succession 219, 222, 247
 autumnal moth 285, 290-291, 293
 auxin 123
 average diameter 380-381

B

backward selection 238
 bacteria 68, 239, 299-300, 342, 346, 348
 bagasse 178-179
 balsams 132
 bamboos 179-180
 bark 31-32, 117-136, 164-175, 194, 285, 303-304, 342-349, 379-380
 bark beetle 294, 303-304
 basal area 188, 190, 193, 203, 255-256
 basic density 133, 150, 160-189, 259, 264
 beetle 294-295, 303-304
 bias 196, 199, 366
 biochemistry 38, 133
 bioclimatic regions 89
 biodiversity 12, 14, 111, 204, 340, 342, 353, 356
 biogeochemical nutrient cycle 272
 biological control 298-300
 biological fixation 72
 biomass accumulation 80

biosphere 59, 79, 89
 biotic decay 343
 blue-stain fungi 343
 bole length 188, 194-195
 bordered pit 140-141, 145, 147, 156, 158, 164
 boreal zone 34, 55-56, 80-97, 106, 109, 221, 343, 359
 branch wood 120-121, 135, 153, 155, 159-161
 branch 29-55, 117-120, 125, 157-160
 188-189, 259-261
 branchiness 397
 breeding 236-241, 285
 broadleaved species 22, 50, 85, 227, 273
 brown rot 344, 348
 bucking 313, 315, 318, 321-322, 333, 337
 bud 30, 47-49
 bulldozer 333
 bundle floating 328
 bundle measurement 383, 387

C

calcium 62, 135-136, 267, 269-270
 calibration 322, 367, 370, 372-373
 calorimetric heating value 174-175
 cambial activity 32
 cambial initials 126-128
 cambial zone 123, 128, 150-151
 cambium 21, 31, 50, 126-128, 144, 146, 151, 158-159, 168, 188, 316, 348
 carbohydrate 36, 37, 39, 45, 128, 130, 132
 150, 295, 173, 344, 348
 carbon 14, 16, 32, 36-40, 79, 89, 110, 121, 128, 173-174, 343, 348
 carbon dioxide 16, 32, 36-38, 121, 173-174, 343, 348
 carbon sink 110, 173
 carboxylic acids 132
 cavities 130, 154, 165, 343
 cell wall 128-132, 137-140, 145, 154, 163-165, 168, 172-173, 180, 344
 cellulose 120-139, 150-180, 343-346, 348, 350
 charcoal 101-102
 chemical composition 120, 122, 128-129, 137, 151, 154-156, 174
 chemical control 282, 301
 chemical defense 287, 295
 chemical energy 36, 38, 44, 61
 chemical pulp 122, 129, 131, 137, 162, 164, 172, 315, 344, 347
 chip storage 344, 348, 350-351, 361
 chipping 152, 161-162, 315
 chips 122-134, 150-173, 314-366
 chlorophyll 34, 38, 132, 173
 circular plot 193
 climate 12-16, 61, 78, 91-114, 159, 172, 233, 240, 264
 climate change 12, 16, 109-110, 114
 climax species 50, 221-222, 231, 233, 235
 cluster sampling 200-201

"Forest Resources & Sustainable Management"

Edited by Seppo Kellomäki

coloring.....	343
combustion systems.....	174
commercial thinning.....	169, 171
compartment inventory.....	193-195
compound middle lamella.....	139
compression wood.....	152-156, 182
cones.....	21-22, 239
coniferous species.....	22, 50, 90, 92
coniferous zone.....	89
conservation of forests.....	106
constitutive defense.....	289
control measurement.....	367, 369-370, 373
.....	376-377, 387-388
cooking chemicals.....	134
corrosion rot.....	344
cost-effectiveness.....	335, 396
cotton fibers.....	180
crookedness.....	252, 314, 374, 380-381
crossing.....	236, 238-239, 333
crown.....	21, 30, 33, 117-121
crystallites.....	138
current annual growth.....	51, 102, 258
current annual increment.....	190
cutting budget methods.....	203, 205
cutting cycle.....	189
cuttings.....	119, 121-122, 240-243, 270
.....	312-322, 355-356, 378, 397
cycling of nutrients.....	61, 65, 272

D

D-glucose.....	130
dark reactions.....	38, 40
daughter cells.....	127-128
DDT.....	301
decay.....	65-59, 71, 95, 178, 342-348
decay rate.....	66-68, 71
deciduous species.....	90
decomposition.....	54-71, 156, 173, 251
.....	267-270, 280, 344, 348
defense tactics.....	286
defoliation.....	119, 291-292
deforestation.....	16, 97, 110
degree of polymerization.....	129-130
delayed induced defense.....	291
delimbing.....	319, 321-322, 342, 353, 371, 380-381
delivery sales.....	312, 357
dense wood.....	163, 168, 172
density coefficient.....	377, 384
density of wood.....	164-165, 171-173, 189, 264
derived demand.....	405
desertification.....	12, 16, 353
developing countries.....	92, 95, 97, 101-102, 106,
.....	108, 111, 178, 319
dextrins.....	129
diameter at breast height.....	188, 367, 375
diameter class.....	368, 377, 379, 381
diameter growth.....	49-51, 253, 259-261, 263
diameter of vessels.....	124-125, 149
diffuse radiation.....	62
digital terrain models.....	331

diprionid sawflies.....	283, 285, 301
direct radiation.....	61-62
discoloration.....	342, 346, 348-350
distribution of growth.....	51
disturbance dynamics.....	219
ditching.....	222, 265, 267-268
diterpene.....	302
division of cells.....	125
DNA.....	238
DNA-based selection.....	238
dominant height.....	190, 192, 256, 259, 272
dominant trees.....	93, 119, 275
dormancy.....	34, 47
dormant period.....	34, 56
dry forest.....	92-93, 175
dry matter content.....	189, 347
drying.....	154, 159, 161, 164, 342-344
.....	347-349, 352

E

earlywood.....	123-124, 128-129, 139, 145,
.....	149-150, 154, 156, 165, 172
ecological balance.....	14
effective heating value.....	175-176
efficiency of sampling.....	197, 199
electronic calliper.....	375
elongation.....	32, 47-48, 117, 125-128
emission.....	114, 408
employment.....	312, 405, 408, 411-412
endangered species.....	16
energy.....	42-45, 59-61, 76-78, 117-118, 120-121,
.....	172-176, 347-349, 352-354
energy wood.....	327
entrepreneurs.....	312, 334-335, 367
enumeration.....	194-195
environment.....	12-18, 29, 59, 78, 109, 132, 219,
.....	232-246, 288, 335
environmental analyses.....	408
epithelial cells.....	30, 146, 299-300
erosion.....	111, 232, 318, 326, 333, 353, 356
establishment of seedlings.....	56, 227-228, 231
Eucalyptus.....	92, 150, 287, 321, 358
European pine sawfly.....	288, 299, 302
evaporation.....	74-77, 91, 264, 342-343, 349
evapotranspiration.....	75-76, 93, 250, 273
even-aged forestry.....	203, 209, 222, 225
even-aged stand.....	189-190, 209
evergreen.....	32, 92
excavator method.....	333
extractives.....	120, 122, 129-137, 156-183, 348

F

farm tractor.....	319
fascicle.....	32
fats.....	37, 45, 132, 134
fatty acids.....	132, 134, 350
feller.....	319
felling.....	189-212, 268, 270, 312, 319, 321
.....	342-343, 367, 374
felling residues.....	268, 270

"Forest Resources & Sustainable Management"

Edited by Seppo Kellomäki

fermentation.....	61, 300
fertility	56, 71-85, 172, 192, 232-235, 258-279
fertilization.....	16, 56, 72, 171, 222, 271, 274-276, 279, 281
fiber properties.....	121-122, 126, 164, 316
fibers.....	31, 127, 134, 139, 141, 147-148, 152, 155-156, 160, 162, 165, 168, 171-173, 177-183, 242, 344, 349, 359
fibril.....	150, 154
final demand	406-410, 412
final product.....	406-408, 410
fine roots.....	33, 45-46, 277
Finnish forest planning	209
fir engraver	298
fire	67, 84, 97, 109-110, 268, 342, 348
fixed-radius circular plot.....	193
flavonoids	132, 289
flowering.....	22, 56, 238
fodder.....	178-179, 189
foliage.....	29-34, 42-78, 117-135, 272-275, 348-349
forest area	84, 95, 97, 100, 187, 225-226, 331, 353, 357
forest biomass.....	92-93, 117, 175, 182, 327
forest compartment	189, 203
forest cover	95, 97, 353
forest ecosystem	12, 14, 59-66, 71-85, 219-222, 264-281
forest fire	67, 342
forest health	108
forest inventory.....	187, 189-190, 192-193, 197, 200-201
forest management planning.....	187, 202, 204
forest pest.....	282, 301
forest regulation.....	211
forest resources.....	12-18, 89, 95, 109, 202, 357, 401
forest road.....	331, 333
forest sector	405, 409
forest site type.....	192
forest soil	67-68, 136, 228
forest stand.....	189, 192-195, 236, 270, 397
forest succession.....	219
forest-based production	12, 219
forest-based product.....	16
forward selection	238
forwarder	319, 325-326, 356, 397
forwarding	317, 319, 377
fossil fuel	16, 110, 121, 354
FOWL.....	95, 97, 111
frame management.....	383-384, 387
frame volume.....	366, 380-381, 385-387
fresh density.....	189
fress mass.....	118, 175, 189
fuel.....	110, 174-179, 189, 211, 268, 314, 327, 347, 349, 354, 366, 409
fuelwood.....	101-102, 110-111, 313
fungal and bacterial activity.....	65
fungal decay.....	342-343, 345, 347-348
fungi.....	33, 35, 97, 289-299, 343-352
fusiform initials.....	126-128

G

galactan.....	130, 154, 160
galactoglucomannans.....	130
gelatinous fiber	155
gene	236, 239-240
genetic improvement.....	236, 240, 242
genetic variation	236-237, 298
genetical resources.....	14
genotype	29, 35, 219, 233
geochemical cycle.....	74
Geographical Information System	337
Geographical Positioning System	337
germination.....	56, 188, 227, 238
global forest resources	89, 95
global forests.....	14, 97, 110
global land area.....	93
global model	187
global warming.....	16, 110
glucan	130
glucomannan.....	130, 160, 350
glucose.....	45, 129-130, 132, 138
goal constraints.....	207-208
goal programming.....	205, 207-208
gradients	45, 92-93, 284-285, 326
grading system.....	315
grapples.....	323
green density.....	377-378, 384, 387
gross photosynthesis	45, 95
ground water	72, 74-75, 78, 222
groundwood pulping.....	315-316
growing stock volume.....	97
growth hormones	132
growth rate.....	49-51, 73, 79-81, 151, 158, 169, 189, 237-258, 295
growth respiration.....	44-45
growth response.....	272, 274-275
growth rings.....	21, 122-124, 126, 151-153, 165, 168, 171, 188, 264
gum.....	132, 150
gymnosperm	30, 32-33, 58
gypsy moth	283, 288, 298, 304

H

half-bordered pit pair	140
hardwood hemicellulose	130
hardwood saw logs	313, 379
hardwood tracheids.....	149
hardwoods.....	123-179, 346
harvester	312-335, 342, 357, 370-374, 389, 397
harvester-based devices	369, 391
harvester-based measurement	370, 374, 389, 391-392
harvesting	16, 83, 100-120, 158, 178-195, 241-281, 311-340, 352-357, 360-389, 396-398
heartwood	46, 55, 125, 128-133, 141-168, 183, 242, 316, 342-343, 346
heating value.....	173-176
height growth.....	47-49, 51, 241, 253, 263
height of the tree.....	119, 369
hemicellulose.....	128-130, 132, 137-139, 163,

"Forest Resources & Sustainable Management"

Edited by Seppo Kellomäki

.....	165, 180, 343
herbivore.....	61, 219, 229, 241, 243, 285-308
heritability.....	237-238, 241
heuristics.....	205, 208
holocellulose.....	128, 130, 344
host plant.....	283, 286-287
humus.....	61-80, 235, 251-269, 353
hydraulic conductivity.....	78
hydraulics.....	322
hydrogen.....	128-129, 134, 163, 174-175
hydrological cycle.....	60, 74, 281
hydrolysis.....	129-130, 134, 348

I

income.....	14, 16, 203, 206, 399
induced defense.....	289, 291, 293, 295
industrial wood.....	91, 112, 327
infiltration rate.....	78
inner bark.....	31, 123, 126-127, 132, 134, 136, 175, 345
inorganic components.....	134-135, 165
input coefficient.....	406-407
input coefficient table.....	406
input-output analysis.....	405, 409
insect.....	35, 97, 110, 283-309, 355
interest rate.....	395, 400
intermediate fellings.....	270
intermediate input.....	407
internal rates of return.....	395
international timber markets.....	358
inventoroy system.....	187
investment.....	223, 274, 318, 359, 385-408
irradiance.....	62

J

jute.....	180
juvenile growth.....	152, 241
juvenile wood.....	129, 150-152, 165, 168, 172

K

kenaf.....	178, 180
Klason lignin content.....	131
knot.....	150, 158-161, 243, 379

L

labor input.....	408, 411-412
lamellae.....	139
landing.....	311-312, 318-319, 329, 377
landscape.....	332, 340, 353, 356
larch.....	32, 171, 238
latewood.....	123-175, 316
leaching.....	65, 72, 264, 353, 356
leaf area index.....	76
leaf mass.....	190
length measurement.....	371-372, 379
length of rotation.....	258
Leontief inverse.....	407
lepidopteran.....	291-292, 301, 304
life cycle.....	34, 150, 219, 238
life span.....	34-35, 55, 84, 221, 240, 260

light reaction.....	38
light-demanding trees.....	119
lignification.....	125-126
lignin.....	31, 45, 68, 120-132, 137-139, 150-179, 242, 343-350
linear programming.....	205, 207
litter.....	51, 54, 61, 63, 65-69, 71-73, 80, 84, 95, 235, 251, 264, 267-268, 270, 272, 280
log.....	315-316, 342-343, 346, 360-361, 365-367, 373-377, 390-391
log measurement.....	365, 379, 383, 388, 391
logging.....	117, 120, 174, 252, 256, 304, 311-398
logging residues.....	314, 327, 353
long-term induction.....	291
longitudinal growth.....	125
loose volume.....	366
lower heating value.....	174
lumber.....	123, 140, 149, 153-154, 158-159, 161, 164
lumen.....	122-123, 137, 140, 145, 149, 154-155, 172

M

magnesium.....	62, 135-136, 267, 269
maintenance respiration.....	44
management goals.....	219, 223
management of forest pests.....	282, 297
management process.....	219, 234
mannan.....	130-131
manual volume measurement.....	376
marker genes.....	238
market value.....	14
mass density.....	165
mass of tree.....	53
mature wood.....	73, 129, 144, 150-152, 168
mean annual growth.....	51, 258
mean annual increment.....	190
mean diffuse irradiance.....	62
measurement accuracy.....	366-367, 370, 373-374, 385
measurement cost.....	357, 366-367, 388-391
measurement method.....	367
measurement of pulpwood.....	162, 366, 374, 384
measurement of standing trees.....	367, 369, 375, 388-389, 392
measurement sensor.....	372
mechanical pulp.....	162, 351
mechanical pulping.....	134, 151, 158, 162, 172
mechanical site preparation.....	268
mechanized logging.....	370, 397
mesophyll.....	32-33, 38
micelle.....	31, 138
micro organism.....	240
microbial activity.....	267
microbiological activity.....	134
microclimate.....	61
microfibril.....	129, 138-139, 154-156, 163-164, 180
micropropagation.....	240
middle lamella.....	128, 139-140
mill.....	162, 174, 311-396
mineral element.....	128, 136, 174
mineralization.....	65, 69
molecular biology.....	239, 242

"Forest Resources & Sustainable Management"

Edited by Seppo Kellomäki

molecule	31, 39, 129-130, 138
monomer	129, 132
monosaccharide	130
monoterpene	289
mortality	54-60, 76-81, 219, 233, 243-256, 291-299
motor-manual cutting	319
mountain birch	290-293
mountainous conditions	312, 318, 326, 331, 333
multi-stem processing	328
multifunctional forestry	14
multiple-use	14, 340, 353, 356
mycorrhiza	33

N

NADP	38
NADPH	38-39
national economy	405-411
natural pruning	237, 241, 261, 263
natural regeneration	222, 226-228, 230-231, 256, 356
nature conservation	106, 202, 362
needles	30-49, 54, 63-66, 76-83, 248, 275, 290-302
net annual increment	97, 112
net growth	16, 51, 80
net income	203, 206, 399
net photosynthesis	40-42, 95
nicotine	290, 301
nitrate	267, 269
nitrogen	14, 41, 45, 63-73, 83, 101, 128, 136, 174, 251, 265-292, 348
nitrogen cycling	265
nuclear polyhedrosis virus	299-300
numerical optimization	204, 209
nutrient availability	61, 110, 251, 264-265, 271
nutrient balance	64, 72, 136
nutrient content	65, 69
nutrient cycle	54, 60, 62, 72, 74, 222-223, 251, 264, 270, 272, 278
nutrient flow	62, 64
nutrient storage	72
nutrient uptake	72, 267, 270
nutrients	14, 30-84, 132, 222, 233, 248, 264-278, 290, 348-356
nutrition management	306

O

oligosaccharides	129-130
one-grip harvester	328, 342
operating costs	390, 395
operational planning	337, 340
optical measuring	388
optimal allocation	199
optimal productivity	223
origin	65, 233, 236, 288, 298, 303, 384, 405, 411
output of industry	407
oxygen	38, 41, 128-129, 174-175, 343-344, 348, 351-352

P

parenchyma cell	140, 149-150
-----------------------	--------------

parent soil	62, 267
parent tree	227
pathogen	293
PCR	39
peatland	271, 306
pentose	130
percolation	72, 75
periderm	31-32
permeability of wood	156, 164
pest	108, 219, 241, 256, 282, 284, 298-304
pesticide	353
petiole	33
pH	134, 184, 299, 350
phelloderm	32
phenols	132, 294
phenotypic variation	237
phenylpropanoids	132
phloem	21, 31-32, 45, 49-50, 123, 126-127, 138, 294, 298
phosphorus	136, 270-271
photosynthesis	29, 36-45, 59-61, 71-79, 95, 129, 132, 173, 249, 272-273
photosynthetic rate	40-41
photosynthetic response	249-273
physiological processes	29, 34, 36, 42, 56, 60-61, 74
phytophagous insect	286
pile	134, 343, 346, 348-352, 366, 377, 380
pioneer species	50, 221-222, 231, 235
pit	30, 140-141, 149, 157, 164, 343
pit cavity	140, 149
pit membrane	140-141
pith	122-126, 144, 151-168, 179, 346
planning	16, 187-213, 311-313, 326-367, 389
plantation	111, 171, 232-234, 306, 319, 397, 400
plantation forestry	232, 234, 319, 397
planting	97, 152, 209-244, 265, 398-399
plus tree	237
pole	89, 110, 164, 314, 344, 379-380
pollination	56
polymer	129-130
polyphagous feeder	287
polysaccharide	130, 134
population dynamics	284
potassium	62, 135-136, 267, 270-271
Power Model	244-245

precipitation	61, 72-78, 89-95, 108, 110, 250, 264, 270, 343, 349
precommercial thinnings	248
predators	282, 299
prescribed burning	109, 222, 268-269
price index	401
price of timber	395, 400
primary cell wall constituents	128-129, 137
primary growth	125-126
primary input	405, 408
principal elements	128
Principle of Biodiversity	14
Principle of Ecological Balance	14
Principle of Multiple Use	14

"Forest Resources & Sustainable Management"

Edited by Seppo Kellomäki

production model407-408
 productivity..... 78-81, 253-280, 317-335, 411-412
 productivity of forest ecosystems232, 270
 progeny testing237-238
 prosenchymatous cells 125, 128
 protected area.....106, 109
 protection 12, 31, 111, 189, 232, 353, 361, 397
 proteins 37, 39, 45, 132, 289, 300
 provenance.....29, 232-233, 240
 pruning..... 30, 55, 160, 222, 237, 241, 260-261, 263
 pulp and paper industry242
 pulpwood 102, 133, 144, 152, 157-173, 189,
247, 255, 313-401
 purchase prices 365, 375, 383, 387, 389, 391
 pure cellulose..... 130, 155, 344

Q

Quality requirements314-315, 336, 367, 379

R

radial growth..... 21, 29-30, 49-51, 126, 253-254
 radial surface..... 122, 147
 radiation 29-44, 61-78, 174, 248-250, 268-273, 286
 random sampling197-199, 384
 rapid induced defense293
 raw material91, 112, 117, 120-122, 127, 133-180,
241, 327, 337-384, 396-397
 ray.....31, 126-127, 132, 134, 145-147, 150, 156
 reaction wood 121, 129, 150, 152, 160-161, 348
 real solid volume.....365-366, 369
 rectangular plot.....193
 reforestation..... 16, 232, 236, 240, 242
 regeneration 12, 16, 33-41, 56-60, 84, 121-122,
189, 209, 212-268, 295, 353-357, 395, 400
 regeneration capacity12
 regeneration cuttings.....121-122, 223
 regeneration method234-235, 400
 regeneration processes226, 232
 regulated forest203
 relascope193-195, 368
 relative density.....165
 renewable energy 121, 174
 resin 30-32, 124-146, 160, 289-297, 347-351
 resin canals 124, 146, 160
 resin content..... 134, 351
 resistance 43, 76-77, 129, 172, 178, 240,
282-304, 342-343
 resistant clones.....282
 respiration 36-45, 60-61, 79-80, 95, 134, 343-351
 respiration reactions.....348
 rhytidome31-32, 123
 ring width.....168-169, 171, 175, 242
 ring-porous hardwoods 124, 165, 168, 171
 rodent.....282, 285, 299
 root graft33
 root system..... 33, 44, 58, 72, 121, 162, 270
 root.....21, 29-63, 78, 82, 117-135, 174, 188,
270-289, 355
 rot.....315-316, 343-344, 346, 348
 rotation length.. 189-190, 192, 211-212, 258, 277-278

roundwood.....101-112, 311, 334-367, 391, 409
 roundwood production..... 102, 112
 Rubisco39-41
 ruminants282
 rut formation355
 rutting318

S

sample bundles378, 384-385, 387
 sample plots 192, 195, 197, 200-202
 sample tree..... 194-195, 367-369, 375-376
 sample tree measurements367, 375
 sampling 194-202, 304, 368, 375-377, 384-385
 sampling design197
 sampling ratio194, 197-198, 201
 sampling unit195-197, 202
 sapwood4, 125, 129, 132, 141, 156-158, 162, 298, 342
 saw log.....160-173, 241, 255, 313-315, 343-388, 401
 sawmill 127, 144-173, 313, 316, 361, 410
 secondary components.....137
 secondary metabolites.....132, 289-290, 301-302
 secondary phloem 31, 126
 secondary wall 128, 131, 139-140, 180
 secondary xylem 123, 126
 seed source.....232-233
 seeding..... 222, 227, 232, 235-236, 239
 seedling stand58, 84, 188, 226-229
 seedlings32, 56, 206, 211, 222-233, 265-279, 297
 seeds22, 56, 58, 179, 227-229, 231-232, 234
 selection forestry.....219, 222, 231, 252
 selection of tree species232-234
 selective cutting 20, 252, 340, 356
 selective thinning252
 self-pruning.....160
 sequestration of carbon.....16
 sesquiterpenes289
 sexual regeneration 56, 227
 sexual reproduction..... 56, 240
 shade-intolerant species50
 shade-tolerant species50
 shelterwood method.....231
 shrinkage.....138, 154-155, 164-165, 343
 simple pit 140, 145, 147
 simple random sampling.....197-199
 sisal180
 site class.....192
 site fertility..... 71, 85, 192, 233, 235, 258-275
 site indices192
 site preparation222, 265, 267-268
 site productivity 97, 190, 192
 site properties..... 84, 234
 site quality 68, 189, 229
 site type.....192, 233
 skidding 312, 317, 319, 326, 342, 353, 397
 skyline systems326
 soft rot.....344, 346, 348
 softwood hemicelluloses.....130
 softwood122-179, 343, 346
 soil compaction.....318, 322, 355
 soil moisture 48, 78, 222, 250, 267, 271

"Forest Resources & Sustainable Management"

Edited by Seppo Kellomäki

soil organic matter	65-75, 92, 95, 267-270, 280
soil preparation	223, 229, 231, 353, 398
soil temperature	69, 89, 267, 269
soil texture	78, 233
soil water	78, 248, 250, 267
solar energy	14, 36, 59, 173, 354
solid volume	177, 365-393
spring wood	32, 49
sprouting	188, 227
spruce pulpwood	171, 314-315
stack density	381-382, 384-385, 387
stack measurement	380, 383, 385, 387-388
stand basal area	190, 193, 203
stand characteristics	190, 192-194, 196, 199, 201-202
stand density	55, 61-62, 81, 119, 159, 189, 243-272
stand volume	190, 193, 196-197, 202, 390
standard deviation	196-197, 199, 372
standard error	196-199
standwise forestry	221-222
starch	129, 132, 150, 156, 345-346
stem mass	52, 81, 118-121, 190
stem volume	152, 160, 188-194, 237-243, 279, 317, 369, 389, 397
stocking	14, 79, 83, 119, 190, 192, 225-231, 247, 256, 356
stomata	32-33
storage places	367
storage time	336, 345, 347, 350
strategic planning	202, 335
stratified sampling	194, 199-202, 375, 384
stratum	194-195, 199, 201-202, 384
straw	178
strip road network	340, 342
strobili	22
stump	117-122, 188, 311-312, 330-357, 383
stumpage price	395
succession	55-60, 81-85, 219-222, 246-247, 279
sucrose	129, 132
sugar	38-39, 130, 132, 156
sulfate pulping	120, 122, 134, 158
summer wood	32, 49
sustainability	16, 136, 212, 214
sustainable annual cut	203
sustainable forestry	14, 16, 400
sustainable management	12, 14, 16, 110, 219, 278
symbiotic fungi	294
systematic error	366
systematic sampling	198-199

T

tactical planning	202, 335
taiga zone	89
tangential surface	122, 127, 147
tangible items	12
tannin	31, 132, 150, 289, 290, 343
taproot	117
taxes	405-406, 413
taxonomic isolation	286-288
temperate	18-49, 68, 84, 90-110, 123-139, 165, 179, 219, 221, 245, 253, 350

temperature	34-49, 58-59, 69, 89-95, 110, 134, 159-174, 192, 229-273, 343-352
temperature sum	48, 58, 229, 233, 267
tension wood	152, 155-156
terpenes	132, 175, 294-295, 301
terpenoids	132, 289-290, 302
terrestrial biomass	89, 93
thinning	73, 119, 169-173, 203-223, 244-281, 306, 318, 325, 355, 399
thinning regimes	252
thinning rule	248
throughfall	75, 250
timber assortment	328, 357-396
timber markets	358, 400
timber measurement	357-393
timber production	12, 16, 18, 29, 92, 203-204, 223, 226, 268, 278, 358
timber quality	236, 259-260, 263, 312, 336, 367
timber resources	12, 16
timber trade	357
timber yield	84-85, 255, 279, 281
time expenditure	366, 389-390
tissues	30-72, 125-138, 156, 179, 289-307
top-diameter measurement	379
total growth	50-51, 61, 72, 80, 225, 244, 254, 279
total output	41, 407-410
total tree biomass	34, 97, 277
toxic compounds	240, 290
trace elements	136
tracheid	30-31, 122-160, 242, 397
traits	236-238, 240, 295
transpiration	36, 42-44, 61, 76-77, 162
transportation of timber	311
transverse surface	147
tree age	119, 160, 169, 171, 188, 263, 316
tree basal area	188, 190
tree biomass	34, 73, 79, 97, 117, 135, 270, 277
tree characteristics	188, 190
tree growth	35, 54-80, 222, 225, 243-248, 259-278
tree height	30, 151, 157, 188, 193, 260
tree resistance	294, 297, 304
tree size	193, 203, 225, 237-253, 322
tree structure	21, 29, 46-47, 51, 53, 65, 82
tree-length method	317-319
tropical forest	95
tropical zone	22, 89-90, 93, 95
truck	318-337, 366-367, 380-387
two-grip harvester	322
two-phase sampling	201-202
tyloses	149, 156, 158, 164

U

Uneven-aged forestry	209, 222, 225, 252
Unit cost	380
Utility function	208-209

V

vaporization	76, 174
variable-radius circular plot	193
vascular cambium	21, 126-127

"Forest Resources & Sustainable Management"

Edited by Seppo Kellomäki

vascular tissue.....	125
vascular tracheids	149
vegetative regeneration.....	58, 227, 295
vegetative reproduction	56, 58
veneer logs.....	102, 388
vessels.....	31-32, 124-125, 147-164, 180
visual compartment inventory.....	193-194
visual estimation	195, 357, 368, 381, 385

W

wages	365, 367, 375, 387, 405
water availability	74, 110, 250
water balance	74-75, 91
water flow	42-43, 69, 72, 353
water storage.....	345
watershed management.....	16
waxes	32-33, 134, 175
weathering	65, 72, 267, 269, 342
weevil damage	298
weighing	365, 377, 383-384, 390
weight measurement	365, 383-384, 387, 393
wet deposition.....	62, 65, 72
white pine weevil.....	298
white pocket rot	344
white rot.....	344, 348
whole-tree harvesting.....	120, 270, 277, 279
whorl.....	30, 188, 249-250
wilting point.....	75
winter moth.....	288, 290
within-species variation	168
within-tree variation.....	168
wood density.....	29, 164, 168-169, 172, 184
.....	242, 264, 397
wood quality	55, 123, 157, 184, 242, 261
wood-rotting fungi	343, 345
woody biomass	117, 125, 128, 135-136
work productivity.....	312

X

xylan	130-131, 156, 160, 350
xylem	21, 32, 49-50, 123, 125-126, 294
xylometric measurement.....	365

Y

yield class	192
yield of pulp.....	120, 133, 149, 151, 162, 178
Yield-Density Model	244, 254