

## **January 2004 Alert**

### **010. Forestry--General**

1. Buck, Alexander ; Parrotta, John ; Wolfrum, Gerda. *Science and technology-building the future of the world's forests : planted forests and biodiversity : contributions to the third session of the United Nations Forum on Forests in Geneva, Switzerland, 26 May - 6 June 2003*. Vienna, Austria : IUFRO Headquarters, c2003: 50 p. (IUFRO occasional paper ; no. 15)  
<http://iufro.boku.ac.at/iufro/publications/occ-p15/occ-p15-text.pdf>
2. Calbom, Linda ; Stanfield, Alana. *Forest Service purchase cards ; internal control weaknesses resulted in instances of improper, wasteful and questionable purchases*. Washington, D.C. : U.S. General Accounting Office, 2003: 51 p. (GAO-03-786) <http://www.gao.gov/new.items/d03786.pdf>
3. Carpenter, Constance A. ; Giffen, Catherine ; Miller-Weeks, Margaret. *Sustainability assessment highlights for the northern United States*. Newtown Square, PA : USDA Forest Service, State & Private Forestry, Northeastern Area, 2003: 99 p. (NA-TP ; 05-03)  
[http://www.na.fs.fed.us/sustainability/highlights\\_toc.htm](http://www.na.fs.fed.us/sustainability/highlights_toc.htm) **[Loan only]**
4. Harris, Chuck ; Cook, Philip S. ; O'Laughlin, Jay. *Forest resource-based economic development in Idaho : analysis of concepts, resources management policies, and community effects*. [Moscow, Idaho] : Policy Analysis Group, College of Natural Resources, University of Idaho, 2003: 74 p. (Report ; no. 22)
5. Keyes, Colleen ; Rogers, Paul ; LaMadeleine, Leon ; Applegate, Vick ; Atkins, Dave. *Utah forest health report : a baseline assessment, 1999-2001*. Salt Lake City, Utah : State of Utah, Department of Natural Resources, Division of Forestry, Fire and State Lands, 2003: 47 p.  
[http://www.fs.fed.us/rm/ogden/pubs/pdfs/utforest\\_lr.pdf](http://www.fs.fed.us/rm/ogden/pubs/pdfs/utforest_lr.pdf)
6. L'Hirondelle, Sylvia J. *Ultraviolet-B radiation impacts on tree seedlings in British Columbia*. Victoria, B.C. : British Columbia, Ministry of Forests Forest Science Program, c2003: 34 p. (Land management handbook ; 49) <http://www.for.gov.bc.ca/hfd/pubs/Docs/Lmh/Lmh49.htm>
7. Lorenzen, Ted. Forest practice regulation and unintended (or at least somewhat unexpected) consequences. *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*. [Davis, Calif.] : University of California, 2001. Report ; no. 101: p. 29-33.
8. Parker, Sharon ; Hummel, Susan Stevens. *Beyond 2001 : a silvicultural odyssey to sustaining terrestrial and aquatic ecosystems : proceedings of the 2001 National Silviculture Workshop, May 6-10, Hood River, Oregon*. Portland, Or. : USDA Forest Service, Pacific Northwest Research Station, [2002]: 114 p. (General technical report PNW ; 546) <http://www.fs.fed.us/pnw/pubs/gtr546.pdf>

## **012. Methodology and advanced technology**

9. Bowden, David C. ; White, Gary C. ; Franklin, Alan B. ; Ganey, Joseph L. Estimating population size with correlated sampling unit estimates. *Journal of wildlife management*. Vol. 67, no. 1 (Jan. 2003): p. 1-10.
10. Brus, Dick J. ; Jansen, J. W. ; de Gruijter, Jaap J. Optimizing two- and three-stage designs for spatial inventories of natural resources by simulated annealing. *Environmental and ecological statistics*. Vol. 9, no. 1 (2002): p. 71-88.
11. Lynch, Thomas B. n-Tree distance sampling for per-tree estimates with application to unequal-sized cluster sampling of increment core data. *Canadian journal of forest research*. Vol. 33, no. 7 (July 2003): p. 1189-1195.
12. Makkonen, Ismo. *Data transfer from harvester computers*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2002: [2] p. (Advantage ; Vol. 3, No. 46)
13. Oderwald, Richard G. Augmenting inventories with basal area points to achieve desired precision. *Canadian journal of forest research*. Vol. 33, no. 7 (July 2003): p. 1208-1210.
14. Price, David J. ; Beiting, Michael G. ; Birge, Wesley J. Portable floating electrofishing unit for fish collections in freshwater stream systems. *North American journal of fisheries management*. Vol. 23, no. 3 (Aug. 2003): p. 974-977.

## **020. Forest economics**

15. Brown, Thomas C. ; Ajzen, Icek ; Hrubes, Daniel. Further tests of entreaties to avoid hypothetical bias in referendum contingent valuation. *Journal of environmental economics and management*. Vol. 46, no. 2 (Sept. 2003): p. 353-361.
16. Knopp, Peter D. ; Twery, Mark J. *Stewplan [electronic resource] : software for creating forest stewardship plans*. Newton Square, Pa. ; USDA Forest Service, Northeastern Research Station, [2003.]: 1 CD-ROM + 1 user's manual (13 p.). (General technical report NE; 301)  
[http://www.fs.fed.us/ne/newtown\\_square/publications/technical\\_reports/pdfs/2003/gtrne301.pdf](http://www.fs.fed.us/ne/newtown_square/publications/technical_reports/pdfs/2003/gtrne301.pdf)
17. Linehan, Peter E. ; Jacobson, Michael G. ; McDill, Marc E. Hardwood stumpage price trends and regional market differences in Pennsylvania. *Northern journal of applied forestry*. Vol. 20, no. 3 (Sept. 2003): p. 124-130.
18. McKenney, Daniel ; Mussell, Al ; Fox, Glenn. What are the economics of emulation forestry? *Emulating natural forest landscape disturbances: concepts and applications: popular summarie*. Ontario : Ontario Forest Research Institute, Ministry of Natural Resources, 2002. Forest research information paper; 149: p. 51-53.
19. Price, Colin ; Rametsteiner, Ewald ; Guldin, Richard. Substantive element "economic aspects of forests", including "trade". *Science and technology-building the future of the world's forests : planted forests and biodiversity : contributions to the third session of the United Nations Forum on Forests in Geneva, Switzerland, 26 May - 6 June 2003*. Vienna, Austria : IUFRO, 2003. Occasional paper 15: p. 5-8. <http://iufro.boku.ac.at/iufro/publications/occ-p15/occ-p15-text.pdf>

20. Rosenberger, Randall S. ; Peterson, George L. ; Clarke, Andrea ; Brown, Thomas C. Measuring dispositions for lexicographic preferences of environmental goods : integrating economics, psychology, and ethics. *Ecological economics*. Vol. 44, no. 1 (Feb. 2003): p. 63-76.

### 030. Forest engineering

21. Andersson, Bjorn ; Dyson, Peter. *Evaluating the measuring accuracy of harvesters and processors*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2002: 18 p. (Advantage ; Vol. 3, No. 4)
22. Baxter, Greg. *Management of harvesting debris along the eastern slopes of Alberta's Rocky Mountains*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2002: 12 p. (Advantage ; Vol. 3, No. 42) <http://fire.feric.ca/36082001/HarvestingDebris.pdf>
23. Bradley, A. H. *Using optimized truck tire pressures to minimize damage to rural roads : summary of two trials in Saskatchewan*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2003: 12 p. (Advantage ; Vol. 4, No. 10)
24. Cloutier, Mylene. *A comparison of the suitability of xenon and halogen lights for harvesting*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2003: 6 p. (Advantage ; Vol. 4, No. 1)
25. Cormier, Denis. *Spot scarification during felling*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2002: 2 p. (Advantage ; Vol. 3, No. 10)
26. Elliot, William J. ; Hall, David ; Ballerini, Mark. Simplified methods for evaluating road prism stability. *Eighth International Conference on Low-volume roads : June 22-25, 2003 : Silver Legacy Hotel and Conference Center, Reno, Nev*. Washington, D.C. : National Academies of Science, Transportation Research Board, 2003. Transportation research record ; no. 1819(2): p. 95-100.
27. Ewing, Roderick H. *Harvesting riparian zones using cable skidders equipped with Spectra synthetic-fiber mainlines*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2003: 6 p. (Advantage ; Vol. 4, No. 20)
28. Foltz, Randy B. ; Truebe, Mark. Locally available aggregate and sediment production. *Eighth International Conference on Low-volume roads : June 22-25, 2003 : Silver Legacy Hotel and Conference Center, Reno, Nev*. Washington, D.C. : National Academies of Science, Transportation Research Board, 2003. Transportation research record ; no. 1819(2): p. 185-193.
29. Fraser, Garth. *A study of the side-to-side load imbalance of logging trucks in British Columbia*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2003: 8 p. (Advantage ; Vol. 4, No. 6)
30. Gillies, Clayton T. *Installation of an aluminum open-bottom arch culvert*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2002: 7 p. (Advantage ; Vol. 3, No. 16)
31. Gillies, Clayton T. *Installation of an embedded pipe culvert : Hotfish Creek*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2002: 10 p. (Advantage ; Vol. 3, No. 38)

32. Gillies, Clayton T. *Installation of an embedded pipe culvert : Stuart Lake tributary*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2002: 8 p. (Advantage ; Vol. 3, No. 40)
33. Hillman, Deric. *Harvesting with the protection of small merchantable stems in a multi-treatment operation on Anticosti Island*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2002: 4 p. (Advantage ; Vol. 3, No. 23)
34. Mercier, Steve ; Brown, Mark. *The Opti-Grade grading-management system*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2002: 4 p. (Advantage ; Vol. 3, No. 17) <http://www.feric.ca/en/ed/AD-3-17.pdf>
35. Mitchell, Janet L. *Commercial thinning in mule deer winter range*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2003: 12 p. (Advantage ; Vol. 4, No. 24)
36. Parker, Seamus P. S. *Influence of fifth wheel/bunk offset on tridem drive performance*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2002: 8 p. (Advantage ; Vol. 3, No. 50)
37. Partington, Mark. *Preventing beaver dams from blocking culverts*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2002: 4 p. (Advantage ; Vol. 3, No. 54) <http://www.fsiculvert.com/Beaverstop-AD-3-54.pdf>
38. Plamondon, Jean A. ; Desrochers, Luc. *Use of long booms to increase trail spacing with feller-bunchers*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2002: [2] p. (Advantage ; Vol. 3, No. 34)

## **040. Forest mensuration**

39. Buse, Lisa J. ; Perera, Ajith H. *Emulating natural forest landscape disturbances : concepts and applications : popular summaries*. Sault Ste. Marie : Ontario, Ministry of Natural Resources, Ontario Forest Research Institute, c2002: 100 p. (Forest research information paper ; no. 149)
40. Fang, Hongliang ; Liang, Shunlin ; Kuusk, Andres. Retrieving leaf area index using a genetic algorithm with a canopy radiative transfer model. *Remote sensing of environment*. Vol. 85, no. 3 (May 2003): p. 257-270.
41. Griffith, Douglas M. ; Widmann, Richard H. *Forest statistics for West Virginia, 1989 and 2000*. Newtown Square, Pa. : Northeastern Forest Experiment Station, 2003: 119 p. (Resource bulletin NE ; 157)
42. Hodgson, Michael E. ; Jensen, John R. ; Schmidt, Laura ; Schill, Steve ; Davis, Bruce. An evaluation of LIDAR- and IFSAR-derived digital elevation models in leaf-on conditions with USGS Level 1 and Level 2 DEMs. *Remote sensing of environment*. Vol. 84, no. 2 (Feb. 2003): p. 295-308.
43. Hooper, Donald M. ; Bursik, Marcus I. ; Webb, Frank H. Application of high-resolution, interferometric DEMs to geomorphic studies of fault scarps, Fish Lake Valley, Nevada-California, USA. *Remote sensing of environment*. Vol. 84, no. 2 (Feb. 2003): p. 255-267.
44. Kangas, Annika. Calibrating predicted diameter distribution with additional information in growth and yield predictions. *Canadian journal of forest research*. Vol. 33, no. 3 (Mar. 2003): p. 430-434.

45. Karlik, John F. ; Albertson, Eugene D. ; Chung, Y. Jae ; McKay, Alistair H. ; Winer, Arthur M. Field assessment of the California Gap Analysis Program GIS database in central California. *Madrono*. Vol. 49, no. 2 (Apr./June 2002): p. 99-114.
46. Leckie, Donald G. ; Gougeon, Francois A. ; Walsworth, Nicholas ; Paradine, Dennis. Stand delineation and composition estimation using semi-automated individual tree crown analysis. *Remote sensing of environment*. Vol. 85, no. 3 (May 2003): p. 355-369.
47. Magagi, R. ; Bernier, M. Optimal conditions for wet snow detection using RADARSAT SAR data. *Remote sensing of environment*. Vol. 84, no. 2 (Feb. 2003): p. 221-233.
48. Miller, Jay D. ; Danzer, Shelley R. ; Watts, Joseph M. ; Stone, Sheridan ; Yool, Stephen R. Cluster analysis of structural stage classes to map wildland fuels in a Madrean ecosystem. *Journal of environmental management*. Vol. 68, no. 3 (July 2003): p. 239-252.
49. Muller, Robert N. Landscape patterns of change in coarse woody debris accumulation in an old-growth deciduous forest on the Cumberland Plateau, southeastern Kentucky. *Canadian journal of forest research*. Vol. 33, no. 5 (May 2003): p. 763-769.
50. Myeong, Soojeong ; Nowak, David J. ; Hopkins, Paul F. ; Brock, Robert H. Urban cover mapping using digital, high-spatial resolution aerial imagery. *Urban ecosystems*. Vol. 5, no. 4 (Dec. 2001): p. 243-256.
51. Nigh, Gordon D. ; Love, Bobby A. ; Thomas, Keith D. A comparison of the time required for two methods of selecting site trees in juvenile stands. *Northern journal of applied forestry*. Vol. 20, no. 3 (Sept. 2003): p. 101-103.
52. Painter, Thomas H. ; Dozier, Jeff ; Roberts, Dar A. ; Davis, Robert E. ; Green, Robert O. Retrieval of subpixel snow-covered area and grain size from imaging spectrometer data. *Remote sensing of environment*. Vol. 85, no. 1 (Apr. 2003): p. 64-77.
53. Rahman, Abdullah F. ; Gamon, John A. ; Sims, Daniel A. ; Schmidts, Miriam. Optimum pixel size for hyperspectral studies of ecosystem function in southern California chaparral and grassland. *Remote sensing of environment*. Vol. 84, no. 2 (Feb. 2003): p. 192-207.
54. Rogers, Paul. *Forest resources of the Apache-Sitgreaves National Forest*. Ogden, UT : USDA Forest Service, Rocky Mountain Research Station, 2003: 13 p.  
<http://www.fs.fed.us/rm/ogden/pubs/pdfs/apachesit.pdf>
55. Rogers, Paul. *Forest resources of the Cibola National Forest*. Ogden, UT : USDA Forest Service, Rocky Mountain Research Station, 2003: 13 p. <http://www.fs.fed.us/rm/ogden/pubs/pdfs/cibola.pdf>
56. Rogers, Paul. *Forest resources of the Prescott National Forest*. Ogden, UT : USDA Forest Service, Rocky Mountain Research Station, 2003: 13 p. <http://www.fs.fed.us/rm/ogden/pubs/pdfs/prescott.pdf>
57. Skakun, Robert S. ; Wulder, Michael A. ; Franklin, Steven E. Sensitivity of the thematic mapper enhanced wetness difference index to detect mountain pine beetle red-attack damage. *Remote sensing of environment*. Vol. 86, no. 4 (Aug. 2003): p. 433-443.
58. Tuominen, Sakari ; Fish, Stuart ; Poso, Simo. Combining remote sensing, data from earlier inventories, and geostatistical interpolation in multisource forest inventory. *Canadian journal of forest research*. Vol. 33, no. 4 (Apr. 2003): p. 624-634.

59. Wylie, Bruce K. ; Johnson, Douglas A. ; Laca, Emilio ; Saliendra, Nicanor Z. ; Gilmanov, Tagir G. ; Reed, Bradley C. ; Tieszen, Larry L. Calibration of remotely sensed, coarse resolution NDVI to CO<sub>2</sub> fluxes in a sagebrush-steppe ecosystem. *Remote sensing of environment*. Vol. 85, no. 2 (May 2003): p. 243-255.
60. Zarco-Tejada, P. J. ; Rueda, C. A. ; Ustin, S. L. Water content estimation in vegetation with MODIS reflectance data and model inversion methods. *Remote sensing of environment*. Vol. 85, no. 1 (Apr. 2003): p. 109-124.
61. Zeide, Boris. The U-approach to forest modeling. *Canadian journal of forest research*. Vol. 33, no. 3 (Mar. 2003): p. 480-489.

## **050. Silviculture**

62. Carnus, J-M ; Parrotta, John A. ; Brockerhoff, E. G. ; Arbez, Michel ; Jactel, H. ; Kremer, A. ; Lamb, D. ; O'Hara, K. ; Walters, B. Planted forests and biodiversity. *Science and technology-building the future of the world's forests : planted forests and biodiversity : contributions to the third session of the United Nations Forum on Forests in Geneva, Switzerland, 26 May - 6 June 2003*. Vienna, Austria : IUFRO, 2003. Occasional paper 15: p. 33-50. <http://iufro.boku.ac.at/iufro/publications/occ-p15/occ-p15-text.pdf>
63. Hebert, Darryl. Expectations and consequences of emulating natural forest disturbance : a forest utilization perspective. *Emulating natural forest landscape disturbances: concepts and applications: popular summaries*. Ontario : Ontario Forest Research Institute, Ministry of Natural Resources, 2002. Forest research information paper; 149: p. 55-56.
64. Zasada, John C. ; Crow, Thomas R. ; Palik, Brian J. ; Gilmore, Daniel J. Emulating natural forest disturbances : silvicultural concepts and applications for silvicultural systems in forests in the northern Great Lakes region of the United States. *Emulating natural forest landscape disturbances: concepts and applications: popular summaries*. Ontario : Ontario Forest Research Institute, Ministry of Natural Resources, 2002. Forest research information paper; 149: p. 35-37.

## **051. Artificial regeneration**

65. Barnett, James P. ; Dumroese R, Kasten. ; Moorhead, David J. *Proceedings of workshops on growing longleaf pine in containers : 1999 and 2001 : Jesup, Georgia, September 21-23, 1999 : Tifton, Georgia, January 16-18, 2001*. Asheville, NC : USDA Forest Service, Southern Research Station, [2002]: 63 p. (General technical report SRS ; 56) [http://www.srs.fs.usda.gov/pubs/gtr/gtr\\_srs056.pdf](http://www.srs.fs.usda.gov/pubs/gtr/gtr_srs056.pdf)
66. Lambers, Janneke Hille Ris ; Clark, James S. Effects of dispersal, shrubs, and density-dependent mortality on seed and seedling distributions in temperate forests. *Canadian journal of forest research*. Vol. 33 no. 5 (May 2003): p. 783-795.
67. Lerrick, David S. ; Bowersox, Todd W. ; Storm, Gerald L. ; Tzilkowski, Walter M. Artificial oak regeneration in historic woodlots at Gettysburg National Military Park. *Northern journal of applied forestry*. Vol. 20, no. 3 (Sept. 2003): p. 131-136.
68. Machado, Jose-Luis ; Walters, Michael B. ; Reich, Peter B. Below-ground resources limit seedling growth in forest understories but do not alter biomass distribution. *Annals of forest science*. Vol. 60, no. 4 (May/June 2003): p. 319-330.

69. Ponder, Felix Jr. Ten-year results of tree shelters on survival and growth of planted hardwoods. *Northern journal of applied forestry*. Vol. 20, no. 3 (Sept. 2003): p. 104-108.

## 052. Silvicultural methods

70. Chen, H.Y.H. ; Klinka, K. ; Mathey, A.-H. ; Wang, X. ; Varga, P. ; Chourmouzis, C. Are mixed-species stands more productive than single-species stands : an empirical test of three forest types in British Columbia and Alberta. *Canadian journal of forest research*. Vol. 33 no. 7 (July 2003): p. 1227-1237.
71. Claveau, Yves ; Messier, Christian ; Comeau, Philip G. ; Coates, K. Dave. Growth and crown morphological responses of boreal conifer seedlings and saplings with contrasting shade tolerance to a gradient of light and height. *Canadian journal of forest research*. Vol. 32 (2002): p. 458-468.
72. Gilmore, Daniel W. To thin or not to thin : using the Forest Vegetation Simulator to evaluate thinning of aspen. *Northern journal of applied forestry*. Vol. 20, no. 1 (March 2003): p. 14-18.
73. Kelty, Matthew J. ; Kittredge, David B. Jr. ; Kyker-Snowman, Thom ; Leighton, Adrian D. The conversion of even-aged stands to uneven-aged structure in southern New England. *Northern journal of applied forestry*. Vol. 20, no. 3 (Sept. 2003): p. 109-116.
74. Liu, Xiaodong ; Silins, Uldis ; Lieffers, Victor J. ; Man, Rongzhou. Stem hydraulic properties and growth in lodgepole pine stands following thinning and sway treatment. *Canadian journal of forest research*. Vol. 33 no. 7 (July 2003): p. 1295-1303.
75. Middleton, G. R. ; Munro, B. D. *Second-growth western hemlock product yields and attributes related to stand density*. Victoria, B.C. : Forintek Canada Corp., 2001: 1 v. (Special publication ; SP 41) [Loan only]
76. Palik, Brian ; Mitchell, Robert J. ; Pecot, Stephen ; Battaglia, Mike ; Pu, Mou. Spatial distribution of overstory retention influences resources and growth of longleaf pine seedlings. *Ecological applications*. Vol. 13, no. 3 (June 2003): p. 674-686.
77. Rudnicki, Mark ; Lieffers, Victor J. ; Silins, Uldis. Stand structure governs the crown collisions of lodgepole pine. *Canadian journal of forest research*. Vol. 33 no. 7 (July 2003): p. 1238-1244.
78. Ruel, Jean-Claude ; Raymond, Patricia. ; Pineau, Marius. Windthrow after shelterwood cutting in balsam fir stands. *Northern journal of applied forestry*. Vol. 20, no. 1 (March 2003): p. 5-13.
79. Williams, Roger A. Use of stand density index as an alternative to stocking percent in upland hardwoods. *Northern journal of applied forestry*. Vol. 20, no. 3 (Sept. 2003): p. 137-142.
80. Woodruff, David R. ; Bond, Barbara J. ; Ritchie, Gary A. ; Scott, William. Effects of stand density on the growth of young Douglas-fir trees. *Canadian journal of forest research*. Vol. 32 (2002): p. 420-427.

## 060. Genetics/Plant breeding

81. Antolin, Michael F. ; Schoettle, Anna W. Fragments, extinction and recolonization : the genetics of metapopulations. *Genetic resource management: : building strategies for the new millennium: proceedings of the 27th biennial conference of the Canadian Tree Improvement Association, Sault Ste. Marie, Ontario, August 15-17, 2000*. Fredericton, NB : Natural Resources Canada, [2000?]: p. 37-46.

82. Bilir, N. ; Kang, K. S. ; Lindgren, D. Fertility variation and effective number in the seed production areas of *Pinus radiata* and *Pinus pinaster*. *Silvae genetica*. Vol. 52, no. 2 (2003): p. 75-77.
83. Brown, Garth R. ; Bassoni, Daniel L. ; Gill, Geoffrey P. ; Fontana, Joseph R. ; Wheeler, Nicholas C. ; Megraw, Robert A. ; Davis, Mark F. ; Sewell, Mitchell M. ; Tuskan, Gerald A. ; Neale, David B. Identification of quantitative trait loci influencing wood property traits in loblolly pine (*Pinus taeda* L.) III. QTL verification and candidate gene mapping. *Genetics*. Vol. 164 (Aug. 2003): p. 1537-1546.
84. Gartland, Kevan M. A. ; Crow, Robert M. ; Fenning, Trevor M. ; Gartland, Jill S. Genetically modified trees : production, properties, and potential. *Journal of arboriculture*. Vol. 29, no. 5 (Sept. 2003): p. 259-266.
85. Jayawickrama, K. J. S. Genetic improvement and deployment of western hemlock in Oregon and Washington : review and future prospects. *Silvae genetica*. Vol. 52, no. 1 (2003): p. 26-36.
86. Potter, Daniel ; Gao, Fangyou ; Baggett, Scott ; McKenna, James R. ; McGranahan, Gale H. Defining the sources of Paradox : DNA sequence markers for North American walnut (*Juglans* L.) species and hybrids. *Scientia Horticulturae*. Vol. 94 (2002): p. 157-170.
87. Rweyongeza, D. M. ; Yeh, F. C. ; Dancik, B. P. ; Dhir, N. K. Genetic variation in height, branch and needle lengths of *Pinus sylvestris* L. from Siberia tested in Alberta, Canada. *Silvae genetica*. Vol. 52, no. 2 (2003): p. 52-60.
88. Vargas-Hernandez, J. J. ; Adams, W. T. ; Joyce, D. G. Quantitative genetic structure of stem form and branching traits in Douglas-fir seedlings and implications for early selection. *Silvae genetica*. Vol. 52, no. 1 (2003): p. 36-44.

## **071. Systematic botany**

89. Andreasen, Katarina ; Baldwin, Bruce G. Reexamination of relationships, habitat evolution, and phylogeography of checker mallows (*Sidalcea*; Malvaceae) based on molecular phylogenetic data. *American journal of botany*. Vol. 90, no. 3 (Mar. 2003): p. 436-444.

## **072. Anatomy/Morphology**

90. Kouwenberg, Lenny L. R. ; McElwain, Jennifer C. ; Kurschner, Wolfram M. ; Wagner, Friederike ; Beerling, David J. ; Mayle, Francis E. ; Visscher, Henk. Stomatal frequency adjustment of four conifer species to historical changes in atmospheric CO<sub>2</sub>. *American journal of botany*. Vol. 90, no. 4 (Apr. 2003): p. 610-619.
91. Parker, Geoffrey G. ; Davis, Melinda M. ; Chapotin, Saharah Moon. Canopy light transmittance in Douglas-fir - western hemlock stands. *Tree physiology*. Vol. 22, nos. 2 & 3 (Feb. 2002): p. 147-157.

## **073. Plant physiology**

92. Apple, Martha ; Tiekkötter, Ken ; Snow, Michael ; Young, James ; Soeldner, Al ; Phillips, Donald ; Tingey, David. Needle anatomy changes with increasing tree age in Douglas-fir. *Tree physiology*. Vol. 22, nos. 2 & 3 (Feb. 2002): p. 129-136.

93. Batista, William B. ; Platt, William J. Tree population responses to hurricane disturbance : syndromes in a south-eastern USA old-growth forest. *Journal of ecology*. Vol. 91, no. 2 (Apr. 2003): p. 197-212.
94. Bolstad, Paul V. ; Reich, Peter ; Lee, Tali. Rapid temperature acclimation of leaf respiration rates in *Quercus alba* and *Quercus rubra*. *Tree physiology*. Vol. 23, no. 14 (Oct. 2003): p. 969-976.
95. Burton, Andrew J. ; Pregitzer, Kurt S. Measurement carbon dioxide concentration does not affect root respiration of nine tree species in the field. *Tree physiology*. Vol. 22, no. 1 (Jan. 2002): p. 67-72.
96. Chen, Jiquan ; Falk, Matthias ; Euskirchen, Eugenie ; Paw U, Kyaw Tha ; Suchanek, Thomas H. ; Ustin, Susan L. ; Bond, Barbara J. Biophysical controls of carbon flows in three successional Douglas-fir stands based on eddy-covariance measurements. *Tree physiology*. Vol. 22, nos. 2 & 3 (Feb. 2002): p. 169-177.
97. Domec, J. C. ; Gartner, B. L. Age- and position-related changes in hydraulic versus mechanical dysfunction of xylem : inferring the design criteria for Douglas-fir wood structure. *Tree physiology*. Vol. 22, nos. 2 & 3 (Feb. 2002): p. 91-104.
98. Dyckmans, Jens ; Flessa, Heiner. Influence of tree internal nitrogen reserves on the response of beech (*Fagus sylvatica*) trees to elevated atmospheric carbon dioxide concentration. *Tree physiology*. Vol. 22, no. 1 (Jan. 2002): p. 41-49.
99. Fraser, Gillian A. ; Percival, Glynn C. The influence of biostimulants on growth and vitality of three urban tree species following transplanting. *Arboricultural journal*. Vol. 27, no. 1 (June 2003): p. 43-57.
100. Frey, Brent R. ; Lieffers, Victor J. ; Landhausser, Simon M. ; Comeau, Phil G. ; Greenway, Ken J. An analysis of sucker regeneration of trembling aspen. *Canadian journal of forest research*. Vol. 33, no. 7 (July 2003): p. 1169-1179.
101. Galen, Candace ; Stanton, Maureen L. Sunny-side up : flower heliotropism as a source of parental environmental effects on pollen quality and performance in the snow buttercup, *Ranunculus adoneus* (Ranunculaceae). *American journal of botany*. Vol. 90, no. 5 (May 2003): p. 724-729.
102. Hibbard, K. A. ; Schimel, D.S. ; Archer, S. ; Ojima, D.S. ; Parton, W. Grassland to woodland transitions : integrating changes in landscape structure and biogeochemistry. *Ecological applications*. Vol. 13, no. 4 (Aug. 2003): p. 911-926.
103. Iivonen, Sari ; Vapaavuori, Elina. Seasonal variation in nitrogen net uptake and root plasma membrane H<sup>+</sup>-ATPase activity of Scots pine seedlings as affected by nutrient availability. *Tree physiology*. Vol. 22, no. 1 (Jan. 2002): p. 1-10.
104. Ishii, Hiroaki ; Ishii, Hiroaki ; Ford, E. David ; Boscolo, Melissa E. ; Manriquez, A. Carolina ; Wilson, Megan E. ; Hinckley, Thomas M. Variation in specific needle area of old-growth Douglas-fir in relation to needle age, within-crown position and epicormic shoot production. *Tree physiology*. Vol. 22, no. 1 (Jan. 2002): p. 31-40.
105. Jacobs, Douglass F. ; Rose, Robin ; Haase, Diane L. Development of Douglas-fir seedling root architecture in response to localized nutrient supply. *Canadian journal of forest research*. Vol. 33, no. 1 (2003): p. 118-125.
106. Johnsen, Kurt ; Major, John E. ; Maier, Chris A. Selfing results in inbreeding depression of growth but not of gas exchange of surviving adult black spruce trees. *Tree physiology*. Vol. 23, no. 14 (Oct. 2003): p. 1005-1008.

107. Klintborg, Alla ; Eklund, Leif ; Little, C. H. Anthony. Ethylene metabolism in Scots pine (*Pinus sylvestris*) shoots during the year. *Tree physiology*. Vol. 22, no. 1 (Jan. 2002): p. 59-66.
108. Klopatek, Jeffrey M. Belowground carbon pools and processes in different age stands of Douglas-fir. *Tree physiology*. Vol. 22, nos. 2 & 3 (Feb. 2002): p. 197-204.
109. Litton, Creighton M. ; Ryan, Michael G. ; Raich, James W. *Carbon flux and partitioning in forest ecosystems : patterns and response to resource availability, competition and stand age*. Final report, cooperative agreement 03-JV-11221610-040 : 67 p.
110. Makinen, Harri ; Nojd, Pekka ; Saranpaa, Pekka. Seasonal changes in stem radius and production of new tracheids in Norway spruce. *Tree physiology*. Vol. 23, no. 14 (Oct. 2003): p. 959-968.
111. Mata, Stephen A. ; Schmid, J. M. ; Olsen, W. K. *Growth of lodgepole pine stands and its relation to mountain pine beetle susceptibility*. Fort Collins, CO : USDA Forest Service, Rocky Mountain Research Station, 2003: 19 p. (Research paper RMRS ; RP-42) [http://www.fs.fed.us/rm/pubs/rmrs\\_rp042.pdf](http://www.fs.fed.us/rm/pubs/rmrs_rp042.pdf)
112. Pruyne, Michele L. ; Gartner, Barbara L. ; Harmon, Mark E. Respiratory potential in sapwood of old versus young ponderosa pine trees in the Pacific Northwest. *Tree physiology*. Vol. 22, nos. 2 & 3 (Feb. 2002): p. 105-116.
113. Saurer, Matthias ; Cherubini, Paolo ; Bonani, Georges ; Siegwolf, Rolf. Tracing carbon uptake from a natural CO<sub>2</sub> spring into tree rings : an isotope approach. *Tree physiology*. Vol. 23, no. 14 (Oct. 2003): p. 997-1004.
114. Silva-Montellano, Arturo ; Eguiarte, Luis E. Geographic patterns in the reproductive ecology of *Agave lechuguilla* (Agavaceae) in the Chihuahuan Desert. I. Floral characteristics, visitors, and fecundity. *American journal of botany*. Vol. 90, no. 3 (Mar. 2003): p. 377-387.
115. Tang, Zhenmin ; Chambers, Jim L. ; Sword, Mary A. ; Barnett, James P. Seasonal photosynthesis and water relations of juvenile loblolly pine relative to stand density and canopy position. *Trees structure and function*. Vol. 17, no. 5 (Sept. 2003): p. 424-430.
116. Woodrum, Carrie L. ; Ewers, Frank W. ; Telewski, Frank W. Hydraulic, biomechanical, and anatomical interactions of xylem from five species of *Acer* (Aceraceae). *American journal of botany*. Vol. 90, no. 5 (May 2003): p. 693-699.
117. Youngblood, Andrew ; Ferguson, Dennis E. Changes in needle morphology of shade-tolerant seedlings after partial overstory canopy removal. *Canadian journal of forest research*. Vol. 33, no. 7 (July 2003): p. 1315-1322.
118. Zhou, Ben-zhi ; Sword, Mary Anne ; Chambers, Jim L. ; Andries, C. Dan. Monitoring new root dynamics of loblolly pine with minirhizotron technique. *Forest research*. Vol. 15, no. 3 (June 2002): p. 276-284. [In Chinese with English abstract.]

## **074. Plant ecology**

119. Bais, Harsh P. ; Vepachedu, Ramarao ; Gilroy, Simon ; Callaway, Ragan M. ; Vivanco, Jorge M. Allelopathy and exotic plant invasion : from molecules and genes to species interaction. *Science*. Vol. 301, no. 5638 (Sept. 5, 2003): p. 1377-1380.

120. Comeau, P. G. ; Otchere-Boateng, Jacob. *Bigleaf maple complex*. [Victoria, B.C.] : Forest Practices Branch, Ministry of Forests, 2002: 15 p.  
<http://www.for.gov.bc.ca/hfp/pubs/vegmngt/Bigleaf%20Maple.pdf>
121. Comeau, P. G. ; Otchere-Boateng, Jacob. *Cottonwood complex*. [Victoria, B.C.] : Forest Practices Branch, Ministry of Forests, 2002: 19 p. <http://www.for.gov.bc.ca/hfp/pubs/vegmngt/Cottonwood.pdf>
122. Comeau, P. G. ; Otchere-Boateng, Jacob. *Fern complex*. [Victoria, B.C.] : Forest Practices Branch, Ministry of Forests, 2002: 15 p. <http://www.for.gov.bc.ca/hfp/pubs/vegmngt/Fern.pdf>
123. Comeau, P. G. ; Otchere-Boateng, Jacob. *Red alder-salmonberry complex*. [Victoria, B.C.] : Forest Practices Branch, Ministry of Forests, 2002: 15 p. <http://www.for.gov.bc.ca/hfp/pubs/vegmngt/RAlder-Salmonberry.pdf>
124. Comeau, P. G. ; Otchere-Boateng, Jacob. *Salal complex*. [Victoria, B.C.] : Forest Practices Branch, Ministry of Forests, 2002: 11 p. <http://www.for.gov.bc.ca/hfp/pubs/vegmngt/Salal.pdf>
125. Eckert, Andrew J. ; Sawyer, John O. Foxtail pine importance and conifer diversity in the Klamath Mountains and southern Sierra Nevada, California. *Madrono*. Vol. 49, no. 1 (Jan./Mar. 2002): p. 33-45.
126. Franklin, Scott B. ; Robertson, Philip A. ; Fralish, James S. Prescribed burning effects on upland *Quercus* forest structure and function. *Forest ecology and management*. Vol. 184, no. 1/3 (Oct. 2003): p. 315-335.
127. Garrison, Barrett A. ; Wachs, Robin L. ; Jones, James S. ; Triggs, Matthew L. Some factors influencing seedling density of California black oak (*Quercus kelloggii*) in the central Sierra Nevada, California. *Madrono*. Vol. 49, no. 2 (Apr./June 2002): p. 115-121.
128. Gerlach, John D. Jr. ; Rice, Kevin J. Testing life history correlates of invasiveness using congeneric plant species. *Ecological applications*. Vol. 13, no. 1 (Feb. 2003): p. 167-179.
129. Heisler, Jana L. ; Briggs, John M. ; Knapp, Alan K. Long-term patterns of shrub expansion in a C4-dominated grassland : fire frequency and the dynamics of shrub cover and abundance. *American journal of botany*. Vol. 90, no. 3 (Mar. 2003): p. 423-428.
130. Inouye, David W. ; Saavedra, Francisca ; Lee-Yang, Wendy. Environmental influences on the phenology and abundance of flowering by *Androsace septentrionalis* (Primulaceae). *American journal of botany*. Vol. 90, no. 6 (June 2003): p. 905-910.
131. Mack, Michelle C. ; D'Antonio, Carla M. Exotic grasses alter controls over soil nitrogen dynamics in a Hawaiian woodland. *Ecological applications*. Vol. 13, no. 1 (Feb. 2003): p. 154-166.
132. McCune, Bruce ; Berryman, Shanti D. ; Cissel, John H. ; Gitelman, Alix I. Use of a smoother to forecast occurrence of epiphytic lichens under alternative forest management plans. *Ecological applications*. Vol. 13, no. 4 (Aug. 2003): p. 1110-1123.
133. McDonald, E. P. ; Kruger, E. L. ; Riemschneider, D. E. ; Isebrands, J. G. Competitive status influences tree-growth responses to elevated CO<sub>2</sub> and O<sub>3</sub> in aggrading aspen stands. *Functional ecology*. Vol. 16 (2002): p. 792-801.
134. Schenk, J. Jochen ; Holzapfel, Claus ; Hamilton, Jason G. ; Mahall, Bruce E. Spatial ecology of a small desert shrub on adjacent geological substrates. *Journal of ecology*. Vol. 91, no. 3 (June 2003): p. 383-395.

135. Seabloom, Eric W. ; Borer, Elizabeth T. ; Boucher, Virginia L. ; Burton, Rebecca S. ; Cottingham, Kathryn L. ; Goldwasser, Lloyd ; Gram, Wendy K. Competition, seed limitation, disturbance, and reestablishment of California native annual forbs. *Ecological applications*. Vol. 13, no. 3 (June 2003): p. 575-592.
136. Sher, Anna A. ; Marshall, Diane L. Seedling competition between native *Populus deltoides* (Salicaceae) and exotic *Tamarix ramosissima* (Tamaricaceae) across water regimes and substrate types. *American journal of botany*. Vol. 90, no. 3 (Mar. 2003): p. 413-422.
137. Silvo-Montellano, Arturo ; Eguiarte, Luis E. Geographic patterns in the reproductive ecology of *Agave lechuguilla* (Agavaceae) in the Chihuahuan Desert. II. Genetic variation, differentiation, and inbreeding estimates. *American journal of botany*. Vol. 90, no. 5 (May 2003): p. 700-706.
138. Suffling, Roger ; Perera, Ajith H. Concepts and approaches in predicting natural forest landscape disturbances. *Emulating natural forest landscape disturbances: concepts and applications: popular summaries*. Ontario : Ontario Forest Research Institute, Ministry of Natural Resources, 2002. Forest research information paper; 149: p. 19-21.
139. York, Dana A. *Eriogonum ovalifolium* var. *monarchense* (Polygonaceae), a new variety from the southern Sierra Nevada, California. *Madrono*. Vol. 49, no. 1 (Jan./Mar. 2002): p. 16-19.

## **080. Forest and plant health**

140. *Forest insect and disease conditions in the United States, 2001*. [Washington, D.C.?] : USDA Forest Service, Forest Health Protection, 2003: 112 p.  
[http://www.fs.fed.us/foresthealth/publications/annual\\_i\\_d\\_conditions/ConditionsReport\\_01\\_final.pdf](http://www.fs.fed.us/foresthealth/publications/annual_i_d_conditions/ConditionsReport_01_final.pdf)  
**[Loan only]**
141. Conklin, David A. *Comparison of dwarf mistletoe behavior and stand development in treated and untreated areas : 10-year monitoring on Jarita Mesa*. Albuquerque, N.M. : USDA Forest Service, Southwestern Region, Forestry and Forest Health, 2003: 11 p.
142. Conklin, David A. *Emergence of latent dwarf mistletoe infection in young ponderosa pine regeneration : 10-year monitoring of the Whitetail A&B project at Mescalero*. [Albuquerque, N.M.] : USDA Forest Service, Southwestern Region, Forestry and Forest Health, 2002: 8 p.
143. Pike, Carolyn C. ; Robison, Daniel J. ; Maynard, Charles A. ; Abrahamson, Lawrence P. Evaluating growth and resistance of eastern and western white pine to white pine weevil and blister rust in the Northeast. *Northern journal of applied forestry*. Vol. 20, no. 1 (March 2003): p. 19-26.

## **081. Mycology/Pathology**

144. Clark, Deborah L. ; Pataki, Diane E. ; Ehleringer, James R. Post-dispersal seed fates of four prairie species. *Agricultural and forest meteorology*. Vol. 116, no. 3-4 (May 2003): p. 730-735.
145. Gyenis, Laszlo ; Anderson, Neil A. ; Ostry, Michael E. Biological control of Septoria leaf spot disease of hybrid poplar in the field. *Plant disease*. Vol. 87, no. 7 (July 2003): p. 809-813.
146. McKenna, James R. ; Epstein, Lynn. Susceptibility of *Juglans* species and interspecific hybrids to *Agrobacterium tumefaciens*. *HortScience*. Vol. 38, no. 3 (June 2003): p. 435-439.

147. Ostry, M. E. ; Ward, K. T. Field performance of *Populus* expressing somaclonal variation in resistance to *Septoria musiva*. *Plant science*. Vol. 164 (2003): p. 1-8.
148. Shaw, David C. ; Acker, Steven A. Canopy macrolichens from four forest stands in the southern Sierra mixed conifer forests of Sequoia/Kings Canyon National Park. *Madrono*. Vol. 49, no. 2 (Apr./June 2002): p. 122-129.

## 082. Insects and other invertebrates

149. Allen, Kurt K. ; Schaupp, Willis C. Jr. ; Long, Daniel F. *Evaluation of mountain pine beetle activity in the Deerfield area of the Black Hills National Forest*. Golden CO : Renewable Resources, USDA Forest Service, Rocky Mountain Region, 2003: 14 p. (Biological evaluation R2 ; 03-04) [http://www.fs.fed.us/r2/fhm/reports/be\\_r2-03-04.pdf](http://www.fs.fed.us/r2/fhm/reports/be_r2-03-04.pdf)
150. Cain, Robert J. ; Jorgensen, Carl L. *Biological evaluation of mountain pine beetle activity on the Green Ridge analysis area Parks Ranger District, Medicine Bow-Routt National Forest, 2003*. Lakewood CO : Renewable Resources, USDA Forest Service, Rocky Mountain Region, 2003: 29 p. (Biological evaluation R2 ; 03-05b) [http://www.fs.fed.us/r2/fhm/reports/be\\_r2-03-05b.pdf](http://www.fs.fed.us/r2/fhm/reports/be_r2-03-05b.pdf)
151. de Groot, Peter ; Poland, Therese M. Attraction of *Hylastes opacus* (Coleoptera: Scolytidae) to nonanal. *Canadian entomologist*. Vol. 135, no. 2 (March/April 2003): p. 309-311.
152. Flanagan, Paul T. Efficacy of a systemic insecticide in reducing populations of black pineleaf scale (*Nuculaspis californica*). *Journal of arboriculture*. Vol. 29, no. 5 (Sept. 2003): p. 303-305.
153. Frankel, Susan. *Sudden oak death caused by a new species, Phytophthora ramorum*. [Morgantown, WV] : USDA Forest Service, Northeastern Area, [2002]: 2 p. (NA-PR ; 06-01) [http://www.na.fs.fed.us/spfo/pubs/pest\\_al/sodwest/sodwest.htm](http://www.na.fs.fed.us/spfo/pubs/pest_al/sodwest/sodwest.htm)
154. Harris, Jeri Lyn. *1999 road-plot survey of dwarf mistletoe and comandra blister rust diseases of lodgepole pine on the Bighorn National Forest*. Golden CO : Renewable Resources, USDA Forest Service, Rocky Mountain Region, [2003]: 13 p. (Biological evaluation R2 ; 03-07)
155. Jorgensen, Carl L. *Biological evaluation of spruce beetle and mountain pine beetle for the Hahns Peak/Bears Ears and Park Ranger Districts, Medicine Bow-Routt National Forests, 2003*. Lakewood CO : Renewable Resources, USDA Forest Service, Rocky Mountain Region, 2003: 19 p. (Biological evaluation R2 ; 03-05a) [http://www.fs.fed.us/r2/fhm/reports/be\\_r2-03-05a.pdf](http://www.fs.fed.us/r2/fhm/reports/be_r2-03-05a.pdf)
156. Lynch, Ann M. Comparison of fixed-area plot designs for estimating stand characteristics and western spruce budworm damage in southwestern U.S.A. forests. *Canadian journal of forest research*. Vol. 33, no. 7 (July 2003): p. 1245-1255.
157. MacLean, David A. Predicting forest insect disturbance regimes for use in emulating natural disturbance. *Emulating natural forest landscape disturbances: concepts and applications: popular summaries*. Ontario : Ontario Forest Research Institute, Ministry of Natural Resources, 2002. Forest research information paper; 149: p. 27-29.
158. Sullivan, Kelly, F. *Biological evaluation of insect and disease conditions in Teal Lake Campground, Routt National Forest*. Denver CO : Renewable Resources, USDA Forest Service, Rocky Mountain Region, 2003: 28 p. (Biological evaluation R2 ; 03-06) [http://www.fs.fed.us/r2/fhm/reports/be\\_r2-03-06.pdf](http://www.fs.fed.us/r2/fhm/reports/be_r2-03-06.pdf)

159. Webb, Ralph E. ; Frank, J. Ray ; Raupp, Michael J. Eastern hemlock recovery from hemlock woolly adelgid damage following imidacloprid therapy. *Journal of arboriculture*. Vol. 29, no. 5 (Sept. 2003): p. 298-302.

### 083. Vegetation management

160. Mathiasen, Robert L. ; Daugherty, Carolyn M. Adult sex ratio of *Arceuthobium gillii* (Viscaceae). *Madrono*. Vol. 49, no. 1 (Jan./Mar. 2002): p. 12-15.
161. Prasad, Raj. *Management and control of gorse and Scotch broom in British Columbia*. Victoria, B.C. : Canadian Forest Service, Pacific Forestry Centre, 2003: 6 p. (Technology transfer note ; no. 30)

### 084. Environmental injury

162. Smiley, E. Thomas ; LeBrun, Elden ; Gilbert, Elizabeth. Evaluation of extraction force for wooden guy anchors. *Journal of arboriculture*. Vol. 29, no. 5 (Sept. 2003): p. 295-297.

### 085. Animal damage

163. Lehmkuhl, John F. ; Everett, Richard L. ; Schellhaas, Richard ; Ohlson, Peter ; Keenum, David ; Riesterer, Heidi ; Spurbeck, Donald. Cavities in snags along a wildfire chronosequence in eastern Washington. *Journal of wildlife management*. Vol. 67, no. 1 (Jan. 2003): p. 219-228.

### 090. Fires

164. *Military use handbook*. [Boise, Idaho] : National Interagency Fire Center, 2001: 1 v. (NFES 2175) **[Loan only]**
165. Andrews, Patricia L. ; Loftsgaarden, Don O. ; Bradshaw, Larry S. Evaluation of fire danger rating indexes using logistic regression and percentile analysis. *International journal of wildland fire*. Vol. 12, no. 2 (2003): p. 213-226.
166. Baker, William L. ; Ehle, Donna E. Uncertainty in fire history and restoration of ponderosa pine forests in the western United States. *Fire, fuel treatments, and ecological restoration : conference proceedings, April 16-18, 2002*. Fort Collins, CO : USDA Forest Service, Rocky Mountain Research Station, 2003. Proceedings RMRS ; P-29: p. 319-333. [http://www.fs.fed.us/rm/pubs/rmrs\\_p029.pdf](http://www.fs.fed.us/rm/pubs/rmrs_p029.pdf)
167. Baxter, Greg. *All terrain vehicles as a cause of fire ignition in Alberta forests*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2002: 7 p. (Advantage ; Vol. 3, No. 44) <http://fire.feric.ca/other/AD-3-44.pdf>
168. Blaine, Mark. The annual emergency. *Forest magazine*. Vol. 4, no. 4 (Fall 2002): p. 14-19.
169. Dakin, Gary. *Ground rates of travel by fire crews using escape routes ; an interim report*. Pointe Claire, Quebec ; Vancouver, B.C. : Forest Engineering Research Institute of Canada, 2002: 7 p. (Advantage ; Vol. 3, No. 15) [http://fire.feric.ca/36102001/Advantage\\_Report.pdf](http://fire.feric.ca/36102001/Advantage_Report.pdf)
170. Dissing, Dorte ; Verbyla, David L. Spatial patterns of lightning strikes in interior Alaska and their relations to elevation and vegetation. *Canadian journal of forest research*. Vol. 33, no. 5 (May 2003): p. 770-782.

171. Drewa, Paul B. Effects of fire season and intensity on *Prosopis glandulosa* Torr. var. *glandulosa*. *International journal of wildland fire*. Vol. 12, no. 2 (2003): p. 147-157.
172. Elliot, William J. ; Miller, Ina Sue. *Estimating erosion impacts from implementing the national fire plan*. St. Joseph, MI : American Society of Agricultural Engineers, [2002]: [25] p. (Paper ; 02-5011)
173. Fernandes, Paulo M. ; Botelho, Herminio S. A review of prescribed burning effectiveness in fire hazard reduction. *International journal of wildland fire*. Vol. 12, no. 2 (2003): p. 117-128.
174. Finney, Mark A. ; Cohen, Jack D. Expectation and evaluation of fuel management objectives. *Fire, fuel treatments, and ecological restoration : conference proceedings, April 16-18, 2002*. Fort Collins, CO : USDA Forest Service, Rocky Mountain Research Station, 2003. Proceedings RMRS ; P-29: p. 353-366. [http://www.fs.fed.us/rm/pubs/rmrs\\_p029.pdf](http://www.fs.fed.us/rm/pubs/rmrs_p029.pdf)
175. Finney, Mark A. Calculation of fire spread rates across random landscapes. *International journal of wildland fire*. Vol. 12, no. 2 (2003): p. 167-174.
176. Fule, Peter Z. ; Crouse, Joseph E. ; Heinlein, Thomas A. ; Moore, Margaret M. ; Covington, W. Wallace ; Verkamp, Greg. Mixed-severity fire regime in a high-elevation forest of Grand Canyon, Arizona, USA. *Landscape ecology*. Vol. 18, no. 5 (2003): p. 465-486.
177. Fule, Peter Z. ; Heinlein, Thomas A. ; Covington, W. Wallace ; Moore, Margaret M. Assessing fire regimes on Grand Canyon landscapes with fire-scar and fire-record data. *International journal of wildland fire*. Vol. 12, no. 2 (2003): p. 129-145.
178. Gaskill, Steven. Work and fatigue in wildland firefighting. *Wildland firefighter health & safety report*. No. 5 (Spring 2002): p. 2-13. (0251-2815-MTDC)
179. Grishin, A. M. ; Dolgov, A. A. ; Zima, V. P. ; Subbotin, A. N. ; Tsvytk, R. Sh. Experimental and theoretical investigation of the effect of radiation and combined heat transfer on initiation and spread of ground forest fires. *Heat Transfer Research*. Vol. 33, no. 7/8 (2002): p. 502-514.
180. Hann, Wendel J. ; Strohm, Diane J. Fire regime condition class and associated data for fire and fuels planning : methods and applications. *Fire, fuel treatments, and ecological restoration : conference proceedings, April 16-18, 2002*. Fort Collins, CO : USDA Forest Service, Rocky Mountain Research Station, 2003. Proceedings RMRS ; P-29: p. 397-433. [http://www.fs.fed.us/rm/pubs/rmrs\\_p029.pdf](http://www.fs.fed.us/rm/pubs/rmrs_p029.pdf)
181. Hessburg, Paul F. ; Reynolds, Keith M. ; Salter, R. Brion ; Richmond, Merrick B. Emulating natural forest patterns in the Inland Northwest, USA. *Emulating natural forest landscape disturbances: concepts and applications: popular summaries* Ontario : Ontario Forest Research Institute, Ministry of Natural Resources, 2002. Forest research information paper; 149: p. 79-81.
182. Hill, Barry T. ; Janik, Chester F. *Wildland fire management : additional actions required to better identify and prioritize lands needing fuels reduction*. Washington, D.C. : U.S. General Accounting Office, 2003: 60 p. (GAO-03-805) <http://www.gao.gov/new.items/d03805.pdf>
183. Hof, John ; Omi, Philip. Scheduling removals for fuels management. *Fire, fuel treatments, and ecological restoration : conference proceedings, April 16-18, 2002*. Fort Collins, CO : USDA Forest Service, Rocky Mountain Research Station, 2003. Proceedings RMRS ; P-29: p. 367-378. [http://www.fs.fed.us/rm/pubs/rmrs\\_p029.pdf](http://www.fs.fed.us/rm/pubs/rmrs_p029.pdf)

184. Hong, S. He ; Shifley, Stephen R. ; Dijak, William ; Gustafson, Eric J. Spatial simulation of forest fire and timber harvesting in Missouri Ozark highlands. *Emulating natural forest landscape disturbances: concepts and applications: popular summaries*. Ontario : Ontario Forest Research Institute, Ministry of Natural Resources, 2002. Forest research information paper; 149: p. 71-73.
185. Keane, Robert E. ; Parsons, Russell E. ; Rollins, Matthew G. Predicting fire regimes at multiple scales. *Emulating natural forest landscape disturbances: concepts and applications: popular summaries*. Ontario : Ontario Forest Research Institute, Ministry of Natural Resources, 2002. Forest research information paper; 149: p. 23-25.
186. Long, Donald ; Ryan, Kevin ; Stratton, Rick ; Mathews, Ed ; Scott, Joe ; Mislivets, Maureen ; Miller, Melanie ; Hood, Sharon. Modeling the effects of fuel treatments for the Southern Utah Fuel Management Demonstration Project. *Fire, fuel treatments, and ecological restoration : conference proceedings, April 16-18, 2002*. Fort Collins, CO : USDA Forest Service, Rocky Mountain Research Station, 2003. Proceedings RMRS ; P-29: p. 387-395. [http://www.fs.fed.us/rm/pubs/rmrs\\_p029.pdf](http://www.fs.fed.us/rm/pubs/rmrs_p029.pdf)
187. Malakoff, David. Arizona ecologist puts stamp on forest restoration debate. *Science*. Vol. 297, no. 5590 (Sept. 27, 2002): p. 2194-2196.
188. McKenzie, Donald ; Prichard, Susan ; Hessl, Amy E. ; Peterson, David L. Empirical/statistical approaches to modelling wildland fire in the Pacific Northwest, USA. *Emulating natural forest landscape disturbances: concepts and applications: popular summaries*. Ontario : Ontario Forest Research Institute, Ministry of Natural Resources, 2002. Forest Research information paper; 149: p. 93-95.
189. Miller, Carol. Wildland fire use : a wilderness perspective on fuel management. *Fire, fuel treatments, and ecological restoration : conference proceedings, April 16-18, 2002*. Fort Collins, CO : USDA Forest Service, Rocky Mountain Research Station, 2003. Proceedings RMRS ; P-29: p. 379-385. [http://www.fs.fed.us/rm/pubs/rmrs\\_p029.pdf](http://www.fs.fed.us/rm/pubs/rmrs_p029.pdf)
190. Nelson, Ralph M. Jr. Reaction times and burning rates for wind tunnel headfires. *International journal of wildland fire*. Vol. 12, no. 2 (2003): p. 195-211.
191. Omi, Philip N. ; Joyce, Linda A. *Fire, fuel treatments and ecological restoration : conference proceedings : April 16-18, 2002*. Fort Collins, CO : USDA Forest Service, Rocky Mountain Research Station, 2003: 475 p. (Proceedings RMRS ; P-29) [http://www.fs.fed.us/rm/pubs/rmrs\\_p029.pdf](http://www.fs.fed.us/rm/pubs/rmrs_p029.pdf)
192. Romme, William H. ; Floyd-Hanna, Lisa ; Hanna, David D. Ancient pinon-juniper forests of Mesa Verde and the West : a cautionary note for forest restoration programs. *Fire, fuel treatments, and ecological restoration : conference proceedings, April 16-18, 2002*. Fort Collins, CO : USDA Forest Service, Rocky Mountain Research Station, 2003. Proceedings RMRS ; P-29: p. 335-350. [http://www.fs.fed.us/rm/pubs/rmrs\\_p029.pdf](http://www.fs.fed.us/rm/pubs/rmrs_p029.pdf)
193. Romme, William H. ; Turner, Monica G. ; Tinker, Daniel B. ; Knight, Dennis H. Emulating natural forest disturbances in the wildland-urban interface of the Greater Yellowstone Ecosystem. *Emulating natural forest landscape disturbances: concepts and applications: popular summaries*. Ontario : Ontario Forest Research Institute, Ministry of Natural Resources, 2002. Forest research information paper; 149: p. 87-89.
194. Schurbon, Jamie M. ; Fauth, John E. Effects of prescribed burning on amphibian diversity in a southeastern U.S. national forest. *Conservation biology*. Vol. 17, no. 5 (Oct. 2003): p. 1338-1349.

195. Stratton, Rick. *Fuels treatment prescriptions for southern Utah and northern Arizona*. 2003: [48] p. Final report, Agreement Number: 01-JV-11222048-080. **[Loan only]**
196. Utkin, Andrei B. ; Fernandes, Armando ; Simoes, Fernando ; Lavrov, Alexander ; Vilar, Rui. Feasibility of forest-fire smoke detection using lidar. *International journal of wildland fire*. Vol. 12, no. 2 (2003): p. 159-166.
197. Weaver, Ken. Why were they there? [Thirtymile Fire]. *Forest magazine*. Vol. 3, no. 6 (Winter 2002): p. 14-18.
198. Wimberly, Michael C. ; Spies, Thomas A. ; Nonana, Etsuko. Using natural fire regime-based criteria to evaluate forest management in the Oregon Coast Range, USA. *Emulating natural forest landscape disturbances: concepts and applications: popular summaries*. Ontario : Ontario Forest Research Institute, Ministry of Natural Resources, 2002 Forest research information paper; 149: p. 63-65.

## 100. Forestry--General

199. Miner, Cynthia ; Kleine, Michael. Means of implementation : technology transfer and capacity building for sustainable forest management. *Science and technology-building the future of the world's forests : planted forests and biodiversity : contributions to the third session of the United Nations Forum on Forests in Geneva, Switzerland, 26 May - 6 June 2003*. Vienna, Austria : IUFRO, 2003. Occasional paper 15: p. 15-18. <http://iufro.boku.ac.at/iufro/publications/occ-p15/occ-p15-text.pdf>

## 101. Soils

200. Badyaev, Alexander V. ; Hill, Geoffrey E. ; Beck, Michelle L. ; Dervan, Anne A. ; Duckworth, Renee A. ; McGraw, Kevin J. ; Nolan, Paul M. ; Whittingham, Linda A. Sex-biased hatching order and adaptive population divergence in a passerine bird. *Science*. Vol. 295, no. 5553 (Jan. 11, 2002): p. 316-318.
201. Butnor, John R. ; Doolittle, J. A. ; Johnsen, Kurt H. ; Samuelson, L. ; Stokes, T. ; Kress, Lance W. Utility of ground-penetrating radar as a root biomass survey tool in forest systems. *Soil Science Society of America journal*. Vol. 67, no. 5 (Sept./Oct. 2003): p. 1607-1615.
202. D'Amore, David V. ; Lynn, Warren C. Classification of forested histosols in southeast Alaska. *Soil Science Society of America Journal*. Vol. 66, no. 2 (Mar./Apr. 2002): p. 554-562.
203. Ebinger, Michael H. ; Norfleet, M. Lee ; Breshears, David D. ; Cremers, David A. ; Ferris, Monty J. ; Unkefer, Pat J. ; Lamb, Megan S. ; Goddard, Kelly L. ; Meyer, Clifton W. Extending the applicability of laser-induced breakdown spectroscopy for total soil carbon measurement. *Soil Science Society of America journal*. Vol. 67, no. 5 (Sept./Oct. 2003): p. 1616-1619.
204. Elliot, William J. *Predicting sediment TMDLs for forest conditions with the WEPP model. Total maximum daily load (TMDL) environmental regulations : proceedings of the March 11-13 ASAE conference : Fort Worth, Tex.* : St. Joseph, MIK : American Society of Agricultural Engineers, 2002. ASAE publication number 701P0102: 7 p.
205. Greensfelder, Liese. Subtleties of sand reveal how mountains crumble. *Science*. Vol. 295, no. 5553 (Jan. 11, 2002): p. 256-258.

206. Guo, Yinyan ; Amundson, Ronald ; Gong, Peng ; Ahrens, Robert. Taxonomic structure, distribution, and abundance of the soils in the USA. *Soil Science Society of America journal*. Vol. 67, no. 5 (Sept./Oct. 2003): p. 1507-1516.
207. Harrison, R. B. ; Adams, A. B. ; Licata, C. ; Flaming, B. ; Wagoner, G. L. ; Carpenter, P. ; Vance, E. D. Quantifying deep-soil and coarse-soil fractions : avoiding sampling bias. *Soil Science Society of America journal*. Vol. 67, no. 5 (Sept./Oct. 2003): p. 1602-1606.
208. Hartshorn, Anthony S. ; Southard, Randal J. ; Bledsoe, Caroline S. Structure and function of peatland-forest ecotones in southeastern Alaska. *Soil Science Society of America journal*. Vol. 67, no. 5 (Sept./Oct. 2003): p. 1572-1581.
209. Idol, Travis W. ; Holzbaur, Kristen A. ; Pope, Phillip E. ; Ponder, Felix Jr. Control-bag correction for forest floor litterbag contamination. *Soil Science Society of America Journal*. Vol. 66, no. 2 (Mar./Apr. 2002): p. 620-623.
210. Kabzems, Richard. *Aspen and white spruce responses to organic matter removal and soil compaction in the BWBS Long-Term Soil Productivity Study*. Prince George, B.C. : British Columbia, Ministry of Forests, Prince George, Prince Rupert and Caribou Forest Regions, 2002: [6] p. (LTSPS research note ; 06) <http://www.for.gov.bc.ca/hfd/pubs/Docs/Ltsp/Rrn006.htm>
211. Kaye, Jason P. ; Binkley, Dan ; Zou, Xiaoming ; Parrotta, John A. Non-labile soil 15nitrogen retention beneath three tree species in a tropical plantation. *Soil Science Society of America Journal*. Vol. 66, no. 2 (Mar./Apr. 2002): p. 612-619.
212. Kranabetter, J. M. ; Sanborn, P. *Short-term effects of forest soil compaction and site organic matter removal on mineralizable soil nitrogen in central British Columbia*. Prince George, B.C. : British Columbia, Ministry of Forests, Prince George, Prince Rupert and Caribou Forest Regions, 2003: [6] p. (LTSPS research note ; 07) <http://www.for.gov.bc.ca/hfd/pubs/Docs/Ltsp/Rrn007.htm>
213. Ponge, Jean-Francois ; Chevalier, Richard ; Loussot, Philippe. Humus index : an integrated tool for the assessment of forest floor and topsoil properties. *Soil Science Society of America journal*. Vol. 66, no. 6 (Nov./Dec. 2002): p. 1996-2001.
214. Quideau, S. A. ; Graham, R. C. ; Feng, X. ; Chadwick, O. A. Natural isotopic distribution in soil surface horizons differentiated by vegetation. *Soil Science Society of America journal*. Vol. 67, no. 5 (Sept./Oct. 2003): p. 1544-1550.
215. Rothe, Andreas ; Cromack, Kermit Jr. ; Resh, Sigrid C. ; Makineci, Ender ; Son, Yowhan. Soil carbon and nitrogen changes under Douglas-fir with and without red alder. *Soil Science Society of America journal*. Vol. 66, no. 6 (Nov./Dec. 2002): p. 1988-1995.
216. Yanai, Ruth D. ; Stehman, Stephen V. ; Arthur, Mary A. ; Prescott, Cindy E. ; Friedland, Andrew J. ; Siccam, Thomas G. ; Binkley, Dan. Detecting change in forest floor carbon. *Soil Science Society of America journal*. Vol. 67, no. 5 (Sept./Oct. 2003): p. 1583-1593.

## 102. Hydrology

217. Abrahams, Anthol D. ; Parsons, Anthony J. ; Wainwright, John. Disposition of rainwater under creosotebush. *Hydrological processes*. Vol. 17, no. 13 (2003): p. 2555-2566.

218. Booij, M. J. Determination and integration of appropriate spatial scales for river basin modelling. *Hydrological processes*. Vol. 17, no. 13 (2003): p. 2581-2598.
219. Camuto, Christopher. National forests and clean water : what's good for fish is good for people. *Wilderness*. (2001/2002): p. 40-45.
220. Chaplot, V. ; Walter, C. Subsurface topography to enhance the prediction of the spatial distribution of soil wetness. *Hydrological processes*. Vol. 17, no. 13 (2003): p. 2567-2580.
221. Cobourn, John. Why integrated watershed management? *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*. [Davis, Calif.] : University of California, 2001. Report ; no. 101: p. 23-26.
222. Florsheim, Joan. Role of floodplain fans in sediment storage : field investigation and management implications. *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*, CA. [Davis, Calif.] : University of California, 2001. Report ; no. 101: p. 65-69.
223. Ice, George. TMDLS and forestry : concerns about EPA's proposed revisions and needed actions. *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*. [Davis, Calif.] : University of California, 2001. Report ; no. 101: p. 71-77.
224. Ice, George. Unintended watershed consequences : some national examples. *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*. [Davis, Calif.] : University of California, 2001. Report ; no. 101: p. 35-43.
225. Kassen, Melinda. Fish need water every day : pursuing instream flows within western water law. *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*. [Davis, Calif.] : University of California, 2001. Report ; no. 101: p. 47-53.
226. Lin, Gwo-Fong ; Chen, Lu-Hsien. A reliability-based selective index for regional flood frequency analysis methods. *Hydrological processes*. Vol. 17, no. 13 (2003): p. 2653-2663.
227. Malusa, John ; Overby, Steven T. ; Parnell, Roderic A. Potential for travertine formation : Fossil Creek, Arizona. *Applied Geochemistry*. Vol. 18, no. 7 (July 2003): p. 1081-1093.
228. Mishra, Surendra Kumar ; Tyagi, J. V. ; Singh, Vijay P. Comparison of infiltration models. *Hydrological processes*. Vol. 17, no. 13 (2003): p. 2629-2652.
229. Mulder, Cheryl L. Integrated science approach to instream flow decision-making for the Upper Mokelumne River FERC 137 relicensing collaborative. *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*. [Davis, Calif.] : University of California, 2001. Report ; no. 101: p. 192-193.

230. Rector, John ; Olson, Alan ; Van de Water, Roberta. Rating watershed condition : reconnaissance level assessment for the national forests of the Pacific Southwest region. *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*. [Davis, Calif.] : University of California, 2001. Report ; no. 101: p. 195-196.
231. Rosenfeld, Jordan S. ; Huato, Leonardo. Relationship between large woody debris characteristics and pool formation in small coastal British Columbia streams. *North American journal of fisheries management*. Vol. 23, no. 3 (Aug. 2003): p. 928-938.
232. Vivenzoli, Daniel ; Weingartner, Rolf ; Messerli, Bruno. Assessing the hydrological significance of the world's mountains. *Mountain research and development*. Vol. 23, no. 1 (Feb. 2003): p. 32-40.

### 103. Geology/Mining/Mineral resources

233. Brocklehurst, Simon H. ; Whipple, Kelin X. Glacial erosion and relief production in the eastern Sierra Nevada, California. *Geomorphology*. Vol. 42, no. 1/2 (Jan. 2002): p. 1-24.
234. Dahms, Dennis E. Glacial stratigraphy of Stough Creek Basin, Wind River Range, Wyoming. *Geomorphology*. Vol. 42, no. 1/2 (Jan. 2002): p. 59-83.
235. Humphries, Marc. *Mining on federal lands*. [Washington, D.C. : Congressional Research Service, Library of Congress], 2002: 14 p.

### 104. Climatology/Meteorology/Physics

236. Alados, I. ; Foyo-Moreno, I. ; Olmo, F. J. ; Alados-Arboledas, L. Relationship between net radiation and solar radiation for semi-arid shrub-land. *Agricultural and forest meteorology*. Vol. 116, no. 3-4 (May 2003): p. 221-227.
237. Blodgett, John ; Parker, Larry. *Global climate change : U.S. greenhouse gas emissions - status, trends, and projections*. [Washington, D.C. : Congressional Research Service, Library of Congress], 2002: 16 p.
238. Bowling, David R. ; Pataki, Diane E. ; Ehleringer, James R. Critical evaluation of micrometeorological methods for measuring ecosystem-atmosphere isotopic exchange of CO<sub>2</sub>. *Agricultural and forest meteorology*. Vol. 116, no. 3-4 (May 2003): p. 159-179.
239. Brunsell, Nathaniel A. ; Gillies, Robert R. Scale issues in land-atmosphere interactions : implications for remote sensing of the surface energy balance. *Agricultural and forest meteorology*. Vol. 117, no. 3-4 (July 2003): p. 203-221.
240. Justus, John R. ; Fletcher, Susan R. *Global climate change*. [Washington, D.C. : Congressional Research Service, Library of Congress], 2002: 10 p.
241. Kurpuis, M. R. ; Panek, J. A. ; Nikolov, N. T. ; McKay, M. ; Goldstein, A. H. Partitioning of water flux in a Sierra Nevada ponderosa pine plantation. *Agricultural and forest meteorology*. Vol. 117, no. 3-4 (July 2003): p. 173-192.
242. Lasocki, Timothy J. Climate change mitigation through forestry : theory and practice. *Journal of sustainable forestry*. Vol. 14, nos. 2/3 (2002): p. 147-166.

243. Meixner, Thomas ; Allen, Edith B. ; Tonnessen, Kathy ; Fenn, Mark E. ; Poth, Mark. Atmospheric nitrogen deposition : implications for managers of western U.S. parks. *Park science*. Vol. 21, no. 2 (Spring 2002): p. 30-33.
244. Parker, Larry. *Global climate change : market-based strategies to reduce greenhouse gases*. [Washington, D.C. : Congressional Research Service, Library of Congress], 2002: 14 p.
245. Skirvin, Susan M. ; Marsh, Stuart E. ; McClaran, Mitchel P. ; Meko, David M. Climate spatial variability and data resolution in a semi-arid watershed, south-eastern Arizona. *Journal of arid environments*. Vol. 54, no. 4 (Aug. 2003): p. 667-686.

## 112. Terrestrial animals

246. Berger, Cynthia. Seeing color in a new light. *National wildlife*. Vol. 40, no. 1 (Dec./Jan. 2002): p. 14-21.
247. Kuenzi, Amy J. ; Morrison, Michael L. Temporal patterns of bat activity in southern Arizona. *Journal of wildlife management*. Vol. 67, no. 1 (Jan. 2003): p. 52-64.
248. Ucitel, Dalit ; Christian, Donald P. ; Graham, Jonathan M. Vole use of coarse woody debris and implications for habitat and fuel management. *Journal of wildlife management*. Vol. 67, no. 1 (Jan. 2003): p. 65-72.
249. Zablan, Marilet A. ; Braun, Clait E. ; White, Gary C. Estimation of greater sage-grouse survival in North Park, Colorado. *Journal of wildlife management*. Vol. 67, no. 1 (Jan. 2003): p. 144-154.

## 113. Aquatic animals

250. Barndt, Scott ; Stone, Jen. Infestation of *Salmincola californiensis* (Copepoda: Lernaeopodidae) in wild coho salmon, steelhead, and coastal cutthroat trout juveniles in a small Columbia River tributary. *Transactions of the American Fisheries Society*. Vol. 132, no. 5 (Sept. 2003): p. 1027-1032.
251. Bennett, David H. ; Connor, William P. ; Eaton, Craig A. Substrate composition and emergence success of fall chinook salmon in the Snake River. *Northwest science*. Vol. 77, no. 2 (Spring 2003): p. 93-99.
252. Carline, Robert F. ; McCullough, Brian J. Effects of floods on brook trout populations in the Monongahela National Forest, West Virginia. *Transactions of the American Fisheries Society*. Vol. 132 no. 5 (Sept. 2003): p. 1014-1020.
253. Curry, R. Allen ; Brady, Charles ; Morgan, George E. Effects of recreational fishing on the population dynamics of lake-dwelling brook trout. *North American journal of fisheries management*. Vol. 23, no. 1 (Feb. 2003): p. 35-47.
254. Donahue, Megan J. ; Holyoak, Marcel ; Feng, Charles. Patterns of dispersal and dynamics among habitat patches varying in quality. *American naturalist*. Vol. 162, no. 3 (Sept. 2003): p. 302-317.
255. Meyer, Kevin A. ; Schill, Daniel J. ; Elle, F. Steven ; Schrader, William C. A long-term comparison of Yellowstone cutthroat trout abundance and size structure in their historical range in Idaho. *North American journal of fisheries management*. Vol. 23, no. 1 (Feb. 2003): p. 149-162.

256. Muhlfeld, Clint C. ; Glutting, Steve ; Hunt, Rick ; Daniels, Durae ; Marotz, Brian L. Winter diel habitat use and movement by subadult bull trout in the upper Flathead River, Montana. *North American journal of fisheries management*. Vol. 23, no. 1 (Feb. 2003): p. 163-171.
257. Nickens, T. Edward. North America's fish feel the heat. *National wildlife*. Vol. 40, no. 4 (June/July 2002): p. 42-47.
258. Porath, Mark T. ; Nielsen, Jennifer L. Evidence of sexually dimorphic introgression in Pinaleno Mountain Apache trout. *North American journal of fisheries management*. Vol. 23, no. 1 (Feb. 2003): p. 172-180.
259. Rosenfeld, Jordan. Assessing the habitat requirements of stream fishes : an overview and evaluation of different approaches. *Transactions of the American Fisheries Society*. Vol. 132 no. 5 (Sept. 2003): p. 953-968.
260. Ruzycki, James R. ; Beauchamp, David A. ; Yule, Daniel L. Effects of introduced lake trout on native cutthroat trout in Yellowstone Lake. *Ecological applications*. Vol. 13, no. 1 (Feb. 2003): p. 23-37.
261. Weigel, Dana E. ; Peterson, James T. ; Spruell, Paul. Introgressive hybridization between native cutthroat trout and introduced rainbow trout. *Ecological applications*. Vol. 13, no. 1 (Feb. 2003): p. 38-50.

## **115. Animal ecology**

262. Artman, Vanessa L. ; Downhower, Jerry F. Wood thrush (*Hylocichla mustelina*) nesting ecology in relation to prescribed burning of mixed-oak forest in Ohio. *Auk*. Vol. 120, no. 3 (July 2003): p. 874-882.
263. Beever, Erik A. Persistence of pikas in two low-elevation national monuments in the western United States. *Park science*. Vol. 21, no. 2 (Spring 2002): p. 23-29.
264. Belthoff, James R. *Monitoring burrowing owls in artificial burrows*. Boise, Idaho : Bureau of Land Management, Idaho State Office, 2003: 40 p. (Technical bulletin ; 03-9)  
[http://www.id.blm.gov/techbuls/03\\_09/index.htm](http://www.id.blm.gov/techbuls/03_09/index.htm)
265. Brown, Coleen F. ; Krausman, Paul R. Habitat characteristics of 3 Leporid species in southeastern Arizona. *Journal of wildlife management*. Vol. 67, no. 1 (Jan. 2003): p. 83-89.
266. Carbone, Chris ; Gittleman, John L. A common rule for the scaling of carnivore density. *Science*. Vol. 295, no. 5563 (Mar. 22, 2002): p. 2273-2276.
267. Ceballos, Gerardo ; Ehrlich, Paul R. Mammal population losses and the extinction crisis. *Science*. Vol. 296, no. 5569 (May 3, 2002): p. 904-907.
268. Coulson, Tim ; Lindstrom, Jan ; Cotgreave, Peter. Seeking new recruits. *Science*. Vol. 295, no. 5562 (Mar. 15, 2002): p. 2023-2024.
269. Dinsmore, Stephen J. ; White, Gary C. ; Knopf, Fritz L. Annual survival and population estimates of mountain plovers in southern Phillips County, Montana. *Ecological applications*. Vol. 13, no. 4 (Aug. 2003): p. 1013-1026.
270. Drennan, Joseph E. ; Beier, Paul. Forest structure and prey abundance in winter habitat of northern goshawks. *Journal of wildlife management*. Vol. 67, no. 1 (Jan. 2003): p. 177-185.

271. Dunham, Jason ; Rieman, Bruce ; Chandler, Gwynne. Influences of temperature and environmental variables on the distribution of bull trout within streams at the southern margin of its range. *North American journal of fisheries management*. Vol. 23, no. 3 (Aug. 2003): p. 894-904.
272. Eberhardt, L. L. (Lester Lee) ; Garrott, Robert A. ; Smith, Douglas W. ; White, Patrick J. ; Peterson, Rolf Olin. Assessing the impact of wolves on ungulate prey. *Ecological applications*. Vol. 13, no. 3 (June 2003): p. 776-783.
273. Engle, Janice C. ; Munger, James C. *Population fragmentation of spotted frogs in the Owyhee mountains*. Boise, Idaho : Bureau of Land Management, Idaho State Office, 2003: 15 p. (Technical bulletin ; 03-8) [http://www.id.blm.gov/techbulbs/03\\_08/index.htm](http://www.id.blm.gov/techbulbs/03_08/index.htm)
274. Fleskes, Joseph P. ; Jarvis, Robert L. ; Gilmer, David S. Distribution and movements of female northern pintails radiotagged in San Joaquin Valley, California. *Journal of wildlife management*. Vol. 66, no. 1 (2002): p. 138-152.
275. George, T. Luke ; Dobkin, David S. *Effects of habitat fragmentation on birds in western landscapes : contrasts with paradigms from the eastern United States*. Camarillo, CA : Cooper Ornithological Society, 2002: 270 p. (Studies in avian biology ; no. 25) **[Loan only]**
276. Gutierrez, R. J. ; May, Christopher A. ; Petersburg, Mylea L. ; Seamans, Mark E. *Temporal and spatial variation in the demographic rates of two Mexican spotted owl populations*: 150 p. **[Loan only]**
277. Howard, Amy ; Munger, James C. *Effects of livestock grazing on the invertebrate prey base and on the survival and growth of larvae of the Columbia spotted frog, Rana luteiventris*. Boise, Idaho : Bureau of Land Management, Idaho State Office, 2003: 28 p. (Technical bulletin ; 03-7) [http://www.id.blm.gov/techbulbs/03\\_07/index.htm](http://www.id.blm.gov/techbulbs/03_07/index.htm)
278. Kotliar, Natasha B. ; Hejl, Sallie J. ; Hutto, Richard L. ; Saab, Victoria A. ; Melcher, Cynthia P. ; McFadzen, Mary E. Effects of fire and post-fire salvage logging on avian communities in conifer-dominated forests of the western United States. *Effects of habitat fragmentation on birds in western landscapes : contrasts with paradigms from the eastern United States*. Camarillo, CA : Cooper Ornithological Society, 2002. Studies in avian biology ; no. 25: p. 49-64.
279. Lindley, Steven T. Estimation of population growth and extinction parameters from noisy data. *Ecological applications*. Vol. 13, no. 3 (June 2003): p. 806-813.
280. Line, Les. Silent spring : a sequel? *National wildlife*. Vol. 41, no. 1 (Dec./Jan. 2003): p. 20-29.
281. Maestas, Jeremy D. ; Knight, Richard L. ; Gilgert, Wendell C. Biodiversity across a rural land-use gradient. *Conservation biology*. Vol. 17, no. 5 (Oct. 2003): p. 1425-1434.
282. Milius, Susan. Wild hair : the suddenly famous science of fur snagging. *Science news*. Vol. 161, no. 16 (Apr. 20, 2002): p. 250-252.
283. Miller, James R. ; Wiens, John A. ; Hobbs, N. Thompson ; Theobald, David M. Effects of human settlement on bird communities in lowland riparian areas of Colorado (USA). *Ecological applications*. Vol. 13, no. 4 (Aug. 2003): p. 1041-1059.
284. Mooij, Wolf M. ; DeAngelis, Donald L. Uncertainty in spatially explicit animal dispersal models. *Ecological applications*. Vol. 13, no. 3 (Mar. 2003): p. 794-805.

285. Prose, Bart L. ; Cade, Brian S. ; Hein, Dale. Selection of nesting habitat by sharp-tailed grouse in the Nebraska sandhills. *Prairie naturalist*. Vol. 34, no. 3-4 (Sept./Dec. 2002): p. 85-106.
286. Roberts, Hadley B. *Status of the pygmy rabbit (Brachylagus idahoensis) in Idaho*. Boise, Idaho : Bureau of Land Management, Idaho State Office, 2003: 18 p. (Technical bulletin ; 03-6)  
[http://www.id.blm.gov/techbulbs/03\\_06/index.htm](http://www.id.blm.gov/techbulbs/03_06/index.htm)
287. Rugenski, Amanda T. ; Minshall, G. Wayne. *2000 annual monitoring report Bruneau Hot-spring springsnail (Pyrgulopsis bruneauensis)*. Boise, Idaho : Bureau of Land Management, Idaho State Office, 2003: 51 p. (Technical bulletin ; 03-10) [http://www.id.blm.gov/techbulbs/03\\_10/index.htm](http://www.id.blm.gov/techbulbs/03_10/index.htm)
288. Scheiman, Daniel M. ; Bollinger, Eric K. ; Johnson, Douglas H. Effects of leafy spurge infestation on grassland birds. *Journal of wildlife management*. Vol. 67, no. 1 (Jan. 2003): p. 115-121.
289. Talbott, Susan C. ; Yahner, Richard H. Temporal and spatial use of even-aged reproduction stands by bird communities in central Pennsylvania. *Northern journal of applied forestry*. Vol. 20, no. 3 (Sept. 2003): p. 117-123.
290. Taylor, Audrey R. ; Knight, Richard L. Wildlife responses to recreation and associated visitor perceptions. *Ecological applications*. Vol. 13, no. 4 (Aug. 2003): p. 951-963.
291. Tewksbury, Joshua J. ; Black, Anne E. ; Nur, Nadav ; Saab, Victoria A. ; Logan, Brian D. ; Dobkin, David S. Effects of anthropogenic fragmentation and livestock grazing on western riparian bird communities. *Effects of habitat fragmentation on birds in western landscapes : contrasts with paradigms from the eastern United States*. Camarillo, CA : Cooper Ornithological Society, 2002. Studies in avian biology ; no. 25: p. 158-202.
292. Turbak, Gary. Walking the line. *National wildlife*. Vol. 40, no. 6 (Oct./Nov. 2002): p. 37-45.
293. Wielgus, Robert B. ; Vernier, Pierre R. Grizzly bear selection of managed and unmanaged forests in the Selkirk Mountains. *Canadian journal of forest research*. Vol. 33, no. 5 (May 2003): p. 822-829.
294. Zabel, Cynthia J. ; Dunk, Jeffrey R. ; Stauffer, Howard B. ; Roberts, Lynn M. ; Mulder, Barry S. ; Wright, Adrienne. Northern spotted owl habitat models for research and management application in California (USA). *Ecological applications*. Vol. 13, no. 4 (Aug. 2003): p. 1027-1040.

## **120. Range management**

295. *Grazing statistical summary: FY 2002*. [Washington, DC] : USDA Forest Service, Range Management, 2003: 108 p.
296. Booth, D. Terrance ; Tueller, Paul T. Rangeland monitoring using remote sensing. *Arid land research and management*. Vol. 17, no. 4 (Oct./Dec. 2003): p. 455-467.
297. Havstad, K. M. ; Herrick, J. E. Long-term ecological monitoring. *Arid land research and management*. Vol. 17, no. 4 (Oct./Dec. 2003): p. 389-400.
298. James, Lynn F. ; Young, James A. ; Sanders, Ken. A new approach to monitoring rangelands. *Arid land research and management*. Vol. 17, no. 4 (Oct./Dec. 2003): p. 319-328.
299. Jensen, Donald T. Monitoring drought in the West. *Arid land research and management*. Vol. 17, no. 4 (Oct./Dec. 2003): p. 449-454.

300. Pendleton, Rosemary L. Soil microorganisms affect survival and growth of shrubs grown in competition with cheatgrass. *Land and water*. Vol. 47, no. 5 (Sept./Oct. 2003): p. 47.
301. Skinner, Q. Rangeland monitoring : water quality and riparian systems. *Arid land research and management*. Vol. 17, no. 4 (Oct./Dec. 2003): p. 407-428.
302. Taylor, C.A. Jr. Rangeland monitoring and fire : wildfires and prescribed burning, nutrient cycling, and plant succession. *Arid land research and management*. Vol. 17, no. 4 (Oct./Dec. 2003): p. 429-438.
303. Weltz, Mark A. ; Dunn, Gale ; Reeder, Jean ; Frasier, Gary. Ecological sustainability of rangelands. *Arid land research and management*. Vol. 17, no. 4 (Oct./Dec. 2003): p. 369-388.
304. West, Neil E. Theoretical underpinnings of rangeland monitoring. *Arid land research and management*. Vol. 17, no. 4 (Oct./Dec. 2003): p. 333-346.
305. Young, James A. ; Clements, Charlie D. Rangeland monitoring and invasive weeds. *Arid land research and management*. Vol. 17, no. 4 (Oct./Dec. 2003): p. 439-447.

### 130. Land use

306. Loomis, John B. *Integrated public lands management : principles and applications to national forests, parks, wildlife refuges, and BLM lands*. 2nd ed. New York : Columbia University Press, c2002: 594 p. **[Loan only]**
307. Munroe, Darla K. ; York, Abigail M. Jobs, houses and trees : changing regional structure, local land-use patterns, and forest cover in southern Indiana. *Growth and Change*. Vol. 34, no. 3 (Summer 2003): p. 299-320.
308. Smith, Sydney ; Davidson, Bruce. *User's manual terrestrial ecological unit inventory (TEUI) land type associations : Modoc National Forest*. Alturas, Calif. : United States, Dept. of Agriculture, Forest Service, 2003: 268 p. (R5-TP-015) [http://www.fs.fed.us/r5/modoc/documents/modoc\\_teui/eui/index.pdf](http://www.fs.fed.us/r5/modoc/documents/modoc_teui/eui/index.pdf) **[Loan only]**
309. Zeman, Amy R. ; Hilliker, Mark ; Koles, Michael ; Marcouiller, David W. *Ensuring open space : an assessment of factors that explain state-sponsored land protection programs*. Madison, Wis. : University of Wisconsin--Madison, Extension, Department of Urban and Regional Planning, 2003: 20 p. (Working paper ; 03-1)  
<http://www.wisc.edu/urpl/people/marcouiller/publications/staffpaperopenspace.pdf>

### 131. Land and forest management

310. *Economic benefits of managing forestry and tourism at Nimmo Bay : a public perception study and economic analysis*. [Victoria, B.C.] : British Columbia, Ministry of Forests, 2003: 59 p.
311. Apple, Daina Dravnieks. Interview : Ann Bartuska. *Women in natural resources*. Vol. 23, no. 1 (2002): p. 8-17.

312. Atkins, R. J. ; Leslie, M. R. ; Polster, D. F. ; Wise, M. P. ; Wong, W. H. *Best management practices handbook : hillslope restoration in British Columbia*. [Victoria, B.C.] : British Columbia, Ministry of Forests, Watershed Restoration Program, Resource Tenures and Engineering Branch, 2001: 204 p. <http://www.for.gov.bc.ca/ftp/hth/external/!publish/Engineer/bmp-handbk-final-mar-2002.pdf> [Loan only]
313. Best, Allen. Water's for fighting. *Forest magazine*. Vol. 3, no. 6 (Winter 2002): p. 41-45.
314. Bissonette, John A. ; Storch, Ilse. *Landscape ecology and resource management : linking theory with practice*. Washington, D.C. : Island Press, 2003: 463 p. [Loan only]
315. Blinn, Charles R. ; Phillips, Michael J. ; Jones, Alan ; Rossman, Richard ; Webb, Tim. Forest management guideline development through consensus : important factors to consider. *International journal of forest engineering*. Vol. 13, no. 2 (2002): p. 77-81.
316. Bowker, Dennis. Integrating stewardship into watershed management. *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*. [Davis, Calif.] : University of California, 2001. Report (Water Resources Center) ; no. 101: p. 3-9.
317. Buchmann, N. Plant ecophysiology and forest response to global change. p. 1177-1184. *Tree physiology*. Vol. 22, no. 15/16 (November 2002).
318. Failing, Lee ; Gregory, Robin. Ten common mistakes in designing biodiversity indicators for forest policy. *Journal of environmental management*. Vol. 68, no. 2 (June 2003): p. 121-132.
319. Furniss, Michael J. Some lessons learned in the Pacific Northwest from federal watershed analysis : ideals and pitfalls. *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*. [Davis, Calif.] : University of California, 2001. Report (Water Resources Center) ; no. 101: p. 161-163.
320. Klemmis, Daniel. *This sovereign land : a new vision for governing the West*. Washington, DC : Island Press, c2001: 263 p.
321. Kenney, Douglas S. Overview of observed trends in western watershed initiatives. *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*. [Davis, Calif.] : University of California, 2001. Report (Water Resources Center) ; no. 101: p. 97-100.
322. Leach, William D. ; Pelkey, Neil W. ; Sabatier, Paul A. Keys to success in watershed management partnerships : approach and initial results. *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*. [Davis, Calif.] : University of California, 2001. Report (Water Resources Center) ; no. 101: p. 101-116.
323. Lundquist, John E. A fable : how, thanks to a decision support system called "profiling," a forest manager saved his forest but lost his job. *Journal of forestry*. Vol. 101, no. 6 (Sept. 2003): p. 44-49.

324. McGinnis, Michael Vincent. A geography of hope : an assessment of California watershed organizations. *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*. [Davis, Calif.] : University of California, 2001. Report (Water Resources Center) ; no. 101: p. 117-124.
325. McGurk, Bruce J. ; Paulson, Beth. Mokelumne River hydroelectric project relicensing : collaborative process integrates multiple resource concerns. *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*. [Davis, Calif.] : University of California, 2001. Report (Water Resources Center) ; no. 101: p. 13-22.
326. Miller, Char. A young stand. *Forest magazine*. Vol. 3, no. 6 (Winter 2002): p. 34-40.
327. Niemi, Ernie. The sky will not fall : economic responses to protection of at-risk species and natural ecosystems. *Fisheries*. Vol. 27, no. 1 (Jan. 2002): p. 24-28.
328. Norman, Susan. The Lake Tahoe Basin watershed Assessment : an overview. *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*. [Davis, Calif.] : University of California, 2001. Report (Water Resources Center) ; no. 101: p. 165-167.
329. Sharrow, Steven H. Soil compaction during forest grazing. *Grazier*. No. 317 (Oct. 2003): p. 2-4.
330. Shilling, Fraser. Watershed assessment in a Sierra Nevada river basin - Yuba River. *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*. [Davis, Calif.] : University of California, 2001. Report (Water Resources Center) ; no. 101: p. 169-175.
331. Sommarstrom, Sari. Evaluating the effectiveness of watershed councils in four western states. *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*. [Davis, Calif.] : University of California, 2001. Report (Water Resources Center) ; no. 101: p. 125-131.
332. Turner, Martha. Selected bibliography for community-based collaborative efforts. *Managing watersheds in the new century : proceedings of the eighth Biennial Watershed Management Council Conference, November 27-30, 2000, Asilomar Conference Center, Pacific Grove, CA*. [Davis, Calif.] : University of California, 2001. Report (Water Resources Center) ; no. 101: p. 137-139.
333. Wuerthner, George. Keeping the grizzly in Grizzly Creek. *Wilderness*. (2001/2002): p. 12-17.
334. Zinn, Jeffery A. ; Copeland, Claudia. *Wetland issues*. [Washington, D.C. : Congressional Research Service, Library of Congress], 2002: 14 p.

## **132. Urban forestry**

335. Catena, Alessandra. Thermography reveals hidden tree decay. *Arboricultural journal*. Vol. 27, no. 1 (June 2003): p. 27-42.
336. Despot, David ; Gerhold, Henry. Preserving trees in construction projects : identifying incentives and barriers. *Journal of arboriculture*. Vol. 29, no. 5 (Sept. 2003): p. 267-280.

337. Gilman, Edward F. Branch-to-stem diameter ratio affects strength of attachment. *Journal of arboriculture*. Vol. 29, no. 5 (Sept. 2003): p. 291-294.
338. Laverne, Robert J. ; Winson-Geideman, Kimberly. The influence of trees and landscaping on rental rates at office buildings. *Journal of arboriculture*. Vol. 29, no. 5 (Sept. 2003): p. 281-290.

## 140. Outdoor recreation

339. Foreman, Dave. Mountain biking in wilderness : a modest proposal. *Wild earth*. Vol. 13, no. 1 (Spring 2003): p. 34-35.
340. Hasenauer, Jim. Mountain biking in wilderness : a niche for bicycles. *Wild earth*. Vol. 13, no. 1 (Spring 2003): p. 21-22.
341. Hunter, I. R. What do people want from urban forestry? : The European experience. *Urban ecosystems*. Vol. 5, no. 4 (Dec. 2001): p. 277-284.
342. Kerr, Andy. Mountain biking in wilderness : which way? *Wild earth*. Vol. 13, no. 1 (Spring 2003): p. 26-30.
343. Littlemore, James ; Barker, Susan. The ecological response of forest ground flora and soils to experimental trampling in British urban woodlands. *Urban ecosystems*. Vol. 5, no. 4 (Dec. 2001): p. 257-276.
344. Marcouiller, David W. ; Olson, Eric Francis ; Prey, Jeffery. *State parks and their gateway communities : development and recreation planning issues in Wisconsin*. Madison, Wis. : Board of Regents of the University of Wisconsin System, Cooperative Extension Publishing, c2002: 62 p.
345. O'Donnell, Brian ; Carroll, Michael. Mountain biking in wilderness : don't tread here. *Wild earth*. Vol. 13, no. 1 (Spring 2003): p. 31-33.
346. Scott, Douglas W. Mountain biking in wilderness : some history. *Wild earth*. Vol. 13, no. 1 (Spring 2003): p. 23-25.

## 150. Social science and education

347. Apple, Daina Dravnieks. Interview : Sally Collins, Associate Chief, U.S. Forest Service. *Women in natural resources*. Vol. 23, no. 3 (2002): p. 7-14.
348. Brooks, Cheri. Giving good weight : public comment, the Forest Service and you. *Forest magazine*. Vol. 4, no. 4 (Fall 2002): p. 33-39.
349. Movich, Randi ; Force, Jo Ellen. Women and Northwest Forest Service planning : barriers to participation. *Women in natural resources*. Vol. 23, no. 3 (2002): p. 31-43.
350. Schildwachter, Charlene. Marketing and communications in the making of natural resource policy. *Women in natural resources*. Vol. 23, no. 1 (2002): p. 19-24.
351. Tainter, Joseph A. Foundations and context of contemporary conflict. On the edge of scarcity : environment, resources, population, sustainability, and conflict. Syracuse, NY : Syracuse University Press, 2002: p. 108-120.

## **160. Ecology--General**

352. Berger, Joel. Is it acceptable to let a species go extinct in a national park? *Conservation biology*. Vol. 17, no. 5 (Oct. 2003): p. 1451-1454.
353. Franc, Alain ; Mosseler, Alex ; Parrotta, John. Substantive element "maintaining forest cover to meet present and future needs". *Science and technology-building the future of the world's forests : planted forests and biodiversity : contributions to the third session of the United Nations Forum on Forests in Geneva, Switzerland, 26 May - 6 June 2003*. Vienna, Austria : IUFRO, 2003. Occasional paper 15: p. 11-14. <http://iufro.boku.ac.at/iufro/publications/occ-p15/occ-p15-text.pdf>
354. Healy, William M. *Performance measures for ecosystem management and ecological sustainability*. Bethesda, MD : The Wildlife Society, 2002: 33 p. (Technical review ; 02-1)
355. Noon, Barry R. *New pathways for conservation science*. Vancouver, B.C. : University of British Columbia, 2003: 17 p. (Leslie L. Schaffer lectureship in forest science ; 14)
356. Rastetter, Edward B. ; Aber, John D. ; Peters, Debra P. C. ; Ojima, Dennis S. ; Burke, Ingrid C. Using mechanistic models to scale ecological processes across space and time. *BioScience*. Vol. 53, no. 1 (Jan. 2003): p. 68-76.
357. Ripple, William J. ; Beschta, Robert L. Wolf reintroduction, predation risk, and cottonwood recovery in Yellowstone National Park. *Forest ecology and management*. Vol. 184, no. 1/3 (Oct. 2003): p. 299-313.
358. Schierow, Linda-Jo. *The role of risk analysis and risk management in environmental protection*. [Washington, D.C. : Congressional Research Service, Library of Congress], 2002: 12 p.

## **170. Wildlife management**

359. Bartel, Rebecca A. ; Brunson, Mark W. Effects of Utah's coyote bounty program on harvester behavior. *Wildlife Society bulletin*. Vol. 31, no. 3 (Fall 2003): p. 736-743.
360. Bender, Darren J. ; Tischendorf, Lutz ; Fahrig, Lenore. Using patch isolation metrics to predict animal movement in binary landscapes. *Landscape ecology*. Vol. 18, no. 1 (Jan. 2003): p. 17-39.
361. Boyce, Mark S. ; Waller, John S. Grizzly bears for the Bitterroot : predicting potential abundance and distribution. *Wildlife Society bulletin*. Vol. 31, no. 3 (Fall 2003): p. 670-683.
362. Cunningham, Stanley C. ; Ballard, Warren B. ; Monroe, Lindsey M. ; Rabe, Michael J. ; Bristow, Kirby D. Black bear habitat use in burned and unburned areas, central Arizona. *Wildlife Society bulletin*. Vol. 31, no. 3 (Fall 2003): p. 786-792.
363. Edwards, Thomas C. Jr. ; Moisen, Gretchen G. ; Frescino, Tracey S. ; Lawler, Joshua J. Modeling multiple ecological scales to link landscape theory to wildlife conservation. *Landscape ecology and resource management : linking theory with practice*. Washington, D.C. : Island Press, 2003: p. 153-172.
364. Frey, S. Nicole ; Majors, Susan ; Conover, Michael R. ; Messmer, Terry A. ; Mitchell, Dean L. Effect of predator control on ring-necked pheasant populations. *Wildlife Society bulletin*. Vol. 31, no. 3 (Fall 2003): p. 727-735.

365. Henke, Scott E. ; VanderZee, Jacob H. ; Grubbs, Shannon E. ; Gard, Tim A. Evaluation of Stouffer wildlife timers for conducting temporal wildlife studies. *Wildlife Society bulletin*. Vol. 31, no. 3 (Fall 2003): p. 762-768.
366. Kozlowski, Adam J. ; Bennett, Tim J. ; Gese, Eric M. ; Arjo, Wendy M. Live capture of denning mammals using an improved box-trap enclosure : kit foxes as a test case. *Wildlife Society bulletin*. Vol. 31, no. 3 (Fall 2003): p. 630-633.
367. McDonald, Trent L. ; Armstrup, Steven C. ; Manly, Bryan F. J. Tag loss can bias Jolly-Seber capture-recapture estimates. *Wildlife Society bulletin*. Vol. 31, no. 3 (Fall 2003): p. 814-822.
368. McGrath, Michael T. ; DeStefano, Stephen ; Riggs, Robert A. ; Irwin, Larry L. ; Roloff, Gary J. *Spatially explicit influences on northern goshawk nesting habitat in the interior Pacific Northwest*. Bethesda, MD : Wildlife Society, c2003: 63 p. (Wildlife monographs : no. 154)
369. Merrill, Samuel B. ; Erickson, Craig R. A GPS-based method to examine wolf response to loud noise. *Wildlife Society bulletin*. Vol. 31, no. 3 (Fall 2003): p. 769-773.
370. Miranda, Brian R. ; Porter, William F. Statewide habitat assessment for white-tailed deer in Arkansas using satellite imagery. *Wildlife Society bulletin*. Vol. 31, no. 3 (Fall 2003): p. 715-726.
371. Perkins, Micah W. ; Johnson, Ron J. ; Blankenship, Erin E. Response of riparian avifauna to percentage and pattern of woody cover in an agricultural landscape. *Wildlife Society bulletin*. Vol. 31, no. 3 (Fall 2003): p. 642-660.
372. Schauber, Eric M. ; Woolf, Alan. Chronic wasting disease in deer and elk : a critique of current models and their application. *Wildlife Society bulletin*. Vol. 31, no. 3 (Fall 2003): p. 610-616.
373. Tempel, Douglas J. ; Gutierrez, R. J. Fecal corticosterone levels in California spotted owls exposed to low-intensity chainsaw sound. *Wildlife Society bulletin*. Vol. 31, no. 3 (Fall 2003): p. 698-702.

## **210. Forest products--General**

374. Miles, Patrick D. ; Mielke, Manfred E. ; Brand, Gary J. *Minnesota's forest resources in 2001*. St. Paul, Minn. : USDA Forest Service, North Central Research Station, 2003: 24 p. (Resource bulletin NC ; 217) [http://ncrs.fs.fed.us/pubs/rb/rb\\_nc217.pdf](http://ncrs.fs.fed.us/pubs/rb/rb_nc217.pdf)

## **212. Forest products--Economics**

375. Emanuel, David. ; Rhodes, Carol. *Bulletin of hardwood market statistics: 2002*. Newtown Square, Pa. : USDA Forest Service, Northeastern Research Station, 2003: 22 p. (Research note NE ; 381) [http://www.fs.fed.us/ne/newtown\\_square/publications/research\\_notes/pdfs/2003/rnne381.pdf](http://www.fs.fed.us/ne/newtown_square/publications/research_notes/pdfs/2003/rnne381.pdf)

## **232. Physical and mechanical properties**

376. Milius, Susan. The wood detective. *Science news*. Vol. 162, no. 12 (Sept. 21, 2002): p. 184-185.

## **233. Fire endurance**

377. White, Robert H. *Fire resistance of engineered wood rim board products*. Madison, Wis. : USDA Forest Service, Forest Products Laboratory, [2003]: 22 p. (Research paper FPL ; 610)  
<http://www.fpl.fs.fed.us/documnts/fplrp/fplrp610.pdf>

## **280. Pulp and paper**

378. Houtman, Carl ; Scallon, Karen. *Benchmarking and modeling of a closed-loop pilot system*. 2002 TAPPI Fall Technical Conference and Trade Fair [electronic resource]. Atlanta, GA : TAPPI, c2002: [9] p.  
<http://www.fpl.fs.fed.us/documnts/pdf2002/houtm02b.pdf>
379. Houtman, Carl ; Sutherland, Nancy Ross. *Can laboratory and pilot recycling trials predict adhesive removal in commercial recycling systems : results from the USPS environmentally benign stamp project*. 2002 TAPPI Fall Technical Conference and Trade Fair [electronic resource]. Atlanta, GA : TAPPI, c2002: [6] p. <http://www.fpl.fs.fed.us/documnts/pdf2002/houtm02a.pdf>
380. Klungness, John H. ; Gleisner, Roland L. ; Sykes, Marguerite S. *Micro and colloidal stickie pacification with precipitated calcium carbonate*. 7th Recycling Technology Conference : Pira International conference notes, Thursday 14th & Friday 15th, February 2002, Crowne Plaza Hotel, Brussels, Belgium. Leatherhead, Surrey, UK : Pira International, [2002]: 14 p.  
<http://www.fpl.fs.fed.us/documnts/pdf2002/klung02a.pdf>
381. Scott, C. Tim ; Klungness, John H. *Microwaving logs for energy savings and improved paper properties for mechanical pulps*. 2002 TAPPI Fall Technical Conference and Trade Fair [electronic resource]. Atlanta, GA : TAPPI, c2002: [10] p. <http://www.fpl.fs.fed.us/documnts/pdf2002/scott02b.pdf>

## **281. Pulping and pulps**

382. Hunt, Chris ; Davis, Mark ; Houtman, Carl. *Properties of fiber made with biopulped wood*. 2002 TAPPI Fall Technical Conference and Trade Fair [electronic resource]. Atlanta, GA : TAPPI, c2002: [5] p.  
<http://www.fpl.fs.fed.us/documnts/pdf2002/hunt02b.pdf>
383. Scott, C. Tim. *Pulp extrusion at ultra-high consistencies : selection of water-soluble polymers for process optimization*. 2002 TAPPI Fall Technical Conference and Trade Fair [electronic resource]. Atlanta, GA : TAPPI, c2002: [9] p. <http://www.fpl.fs.fed.us/documnts/pdf2002/scott02a.pdf>

## **282. Paper and paper products**

384. Houtman, Carl ; Tan, Freya. *Factors affecting quantification of contaminants by image analysis*. 2002 TAPPI Fall Technical Conference and Trade Fair [electronic resource]. Atlanta, GA : TAPPI, c2002: [10] p. <http://www.fpl.fs.fed.us/documnts/pdf2002/houtm02c.pdf>
385. Rahman, Adeeb A. ; Urbanik, Thomas J. ; Mahamid, Mustafa. *Moisture diffusion through a corrugated fiberboard under compressive loading : its deformation and stiffness response : [abstract]*. Proceedings of the 2002 Progress in Paper Physics Seminar, 2002 September 8-13, Syracuse, NY. Rochester, NY : Rochester Institute of Technology, 2002: p. 85-88: [4] p.  
<http://www.fpl.fs.fed.us/documnts/pdf2002/rahma02a.pdf>

386. Urbanik, Thomas J. ; Saliklis, Edmond P. *Comparison of postbuckling model and finite element model with compression strength of corrugated boxes*. *Proceedings of the 2002 Progress in Paper Physics Seminar, 2002 September 8-13, Syracuse, NY*. Rochester, NY : Rochester Institute of Technology, 2002: 4 p. <http://www.fpl.fs.fed.us/documents/pdf2002/urban02b.pdf>