

AMRI Website Publications 2000-2012

Articles in Refereed Publications

- Sullivan, T.P. and D.S. Sullivan. 2012. Woody debris, voles, and trees: Influence of habitat structures (piles and windrows) on long-tailed vole populations and feeding damage. *For. Ecol. Manage.* 263: 189-198.
- Sullivan, T.P., D.S. Sullivan, P.M.F. Lindgren, D.B. Ransome, J. Bull, and C. Ristea. 2011. Bioenergy or biodiversity: Woody debris structures and maintenance of red-backed voles on clearcuts. *Biomass and Bioenergy* 35: 4390-4398.
- Sullivan, T.P., D.S. Sullivan, and P.M.F. Lindgren. 2011. Partial harvesting of dry Douglas-fir forests: Stand structure, range habitats, and maintenance of biodiversity using small mammal indicators. *Forestry* 84: 247-257.
- Sullivan, T.P. and D.S. Sullivan. 2011. Balancing pest management and forest biodiversity: Vole populations and habitat in variable retention vs. clearcut harvested sites. *Crop Protection* 30: 833-843.
- Sullivan, T.P., D.S. Sullivan, P.M.F. Lindgren, and D.B. Ransome. 2010. Green-tree retention and life after the beetle: Stand structure and small mammals 30 years after salvage harvesting. *Silva Fennica* 44: 749-774.
- Sullivan, T.P., D.S. Sullivan, P.M.F. Lindgren, and D.B. Ransome. 2010. Long-term responses of mammalian herbivores to stand thinning and fertilization in young lodgepole pine forest. *Can. J. For. Res.* 40: 2302-2312.
- Sullivan, T.P. and D.S. Sullivan. 2010. Forecasting vole population outbreaks in forest plantations: the rise and fall of a major mammalian pest. *For. Ecol. Manage.* 260: 983-993.
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- Ransome, D.B., P.M.F. Lindgren, H. Armleder, M.J. Waterhouse, and T.P. Sullivan. 2009. Small mammal response to group selection silvicultural systems in Engelmann spruce-subalpine fir forests: 14 years post harvest. *Can. J. For. Res.* 39: 1698-1708.
- Sullivan, T.P., and D.S. Sullivan. 2009. Are linear habitats in agrarian landscapes source areas for beneficial or pest rodents? *Agr. Eco. Environ.* 129: 52-56.
- Klenner, W. and T.P. Sullivan. 2009. Partial and clearcut harvesting of dry Douglas-fir forests: Implications for small mammal communities. *For. Ecol. Manage.* 257: 1078-1086.
- Wiman, M.R., E.M. Kirby, D.M. Granatstein, and T.P. Sullivan. 2009. Cover crops influence meadow vole presence in organic orchards. *Hort Technology* 19: 558-562.
- Clason, A.J., P.M.F. Lindgren, and T.P. Sullivan. 2008. Comparison of potential non-timber forest products in intensively managed young stands and natural/old-growth forests in south-central British Columbia. *For. Ecol. Manage.* 156: 1897-1909.
- Sullivan, T.P. and D.S. Sullivan. 2008. Vole-feeding damage and forest plantation protection: Large-scale application of diversionary food to reduce damage to newly planted trees. *Crop Protection* 27: 775-784.

- Sullivan, T.P. and D.S. Sullivan. 2008. Dynamics of peripheral populations of the Great Basin pocket mouse (*Perognathus parvus*) and western harvest mouse (*Reithrodontomys megalotis*) in the southern interior of British Columbia. *Can. Field-Naturalist*. 122: 345-356.
- Sullivan, T.P., D.S. Sullivan, and P.M.F. Lindgren. 2008. Influence of variable retention harvests on forest ecosystems: Plant and mammal responses up to 8 years post-harvest. *For. Ecol. Manage.* 254: 239-254.
- Sullivan, T.P., D.S. Sullivan, P.M.F. Lindgren, and D.B. Ransome. 2007. Long-term responses of ecosystem components to stand thinning in young lodgepole pine forest: IV. Relative habitat use by mammalian herbivores. *For. Ecol. Manage.* 240: 32-41.
- Lindgren, P.M.F., T.P. Sullivan, D.S. Sullivan, R.P. Brockley, and R. Winter. 2007. Growth response of young lodgepole pine to thinning and repeated fertilization treatments: 10-year results. *Forestry* 80: 587-611.
- Sullivan, T.P., D.S. Sullivan, P.M.F. Lindgren, and D.B. Ransome. 2006. Influence of repeated fertilization on forest ecosystems: Relative abundance and habitat use by snowshoe hares. *Can. J. For. Res.* 36: 2080-2089.
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- Sullivan, T.P. and D.S. Sullivan. 2006. Plant and small mammal diversity in orchard vs. non-crop habitats. *Agriculture, Ecosystems, and Environment* 116: 235-243.
- Sullivan, T.P., D.S. Sullivan, P.M.F. Lindgren, and D.B. Ransome. 2006. Long-term responses of ecosystem components to stand thinning in young lodgepole pine forest: III. Growth of crop trees and coniferous stand structure. *For. Ecol. Manage.* 228: 69-81.
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- Ransome, D.B., P.M. F. Lindgren, D.S. Sullivan, and T.P. Sullivan. 2004. Long-term responses of ecosystem components to stand thinning in young lodgepole pine forest: I. Population dynamics of red squirrels and northern flying squirrels. *For. Ecol. Manage.* 202: 355-367.
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- Lautenschlager, R.A. and T.P. Sullivan. 2004. Improving research into effects of forest herbicide use on biota in northern ecosystems. *Wildl. Soc. Bull.* 32: 1061-1070.

- Sullivan, T.P. and D.S. Sullivan. 2004. Influence of a granivorous diversionary food on population dynamics of montane voles (*Microtus montanus*), deer mice (*Peromyscus maniculatus*), and western harvest mice (*Reithrodontomys megalotis*). *Crop Protection* 23:191-200.
- Ransome, D.B. and T.P. Sullivan. 2004. Effects of food and den-site supplementation on populations of *Glaucomys sabrinus* and *Tamiasciurus douglasii*. *J. Mammal.* 85: 206-215.
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- Sullivan, T.P., D.S. Sullivan, and P.M.F. Lindgren. 2002. Influence of conventional and chemical thinning on stand structure and diversity of plant and mammal communities in young lodgepole pine forest. *For. Ecol. Manage.* 170: 173-187.
- Lautenschlager, R.A. and T.P. Sullivan. 2002. Effects of herbicide treatments on biotic components in regenerating northern forests. *For. Chron.* 78: 695-731.
- Ransome, D.B. and T.P. Sullivan. 2002. Short-term population dynamics of *Glaucomys sabrinus* and *Tamiasciurus douglasii* in commercially-thinned and unthinned stands of coastal coniferous forest. *Can. J. For. Res.* 32: 2043-2050.
- Sullivan, T.P., D.S. Sullivan, and P.M.F. Lindgren. 2001. Influence of variable retention harvests on forest ecosystems: I. Diversity of stand structure. *J. Appl. Ecol.* 38: 1221-1233.
- Sullivan, T.P. and D.S. Sullivan. 2001. Influence of variable retention harvests on forest ecosystems: II. Diversity and population dynamics of small mammals. *J. Appl. Ecol.* 38: 1234-1252.
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- Sullivan, T.P., D.S. Sullivan, and E.J. Hogue. 2001. Reinvasion dynamics of northern pocket gopher (*Thomomys talpoides*) populations in removal areas. *Crop Protection* 20: 189-198.

Sullivan, T.P., D.S. Sullivan, and P.M.F. Lindgren. 2000. Small mammals and stand structure in young pine, seed-tree and old-growth forest, southwest Canada. *Ecol. Applic.* 10: 1367-1383.

Sullivan, T.P. and W. Klenner. 2000. Response of northwestern chipmunks (*Tamias amoenus*) to variable habitat structure in young lodgepole pine forest. *Can. J. Zool.* 78:283-293.

Contributions to practical applications of knowledge

Sullivan, T.P. 2011. Woody Debris, Wildlife Habitat & Biodiversity. Piles, Windrows & Habitat Networks. Extension Brochure.

Sullivan, T.P. 2010. Voles, Hares, and Protection of Plantations. Extension Brochure.

Sullivan, T.P. 2009. Dry Forests and Grasslands. Stand Structures, Range Habitats, and Small Mammals as Indicators of Biodiversity. Extension Brochure.

Sullivan, T.P. 2009. Life After the Beetle: Salvage Harvesting of MPB Pine and Green-Tree Retention. A 30-year Vision into the Future. Extension Brochure.

Sullivan, T.P. 2009. Integration of Non-Timber Forest Products (NTFPs) with Timber Production. Sharing the Forest – a Future beneath the Trees? Timber, NTFPs, and Conservation. Extension Brochure.

Sullivan, T.P. 2004. Biodiversity & Farmland. Diversity and Conservation of Plants and Mammals in Natural and Orchard Habitats. Extension Brochure.

Sullivan, T.P. 2001. Variable Retention Harvests & Wildlife Habitat: Stand structure and vegetation, abundance and diversity of small mammals, and habitat use by deer. Extension Brochure.

Sullivan, T.P. 2000. Forest Herbicide Use: Vegetation, Small Mammals, and Diversity. B.C. Ministry of Forests. Extension Brochure.

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