Addendum (dated November 28, 2006) to the West Virginia Northern Flying Squirrel 5-Year Review

This addendum makes the following corrections to the references mentioned in the West Virginia northern flying squirrel 5-year review (dated April 2006):

- The REFERENCES section (part V) of the review contained references which were not actually cited in the review. We have corrected this section below by deleting those references which were not cited in the document: Castleberry et al. 2002; Clarkson 1964; Clarkson 1993; Cote and Ferron 2001; Core 1966; Liebhold et al. 2002; MacArthur and Wilson 1967; McLaughlin et al. 1987; Rosenberg 1990; and Stephenson 1993.
- We have changed the section header to more accurately reflect that this section is
 a list of the literature cited in the review, and is not intended to be a
 comprehensive bibliography of references.
- The Menzel et al. (2000) reference (a symposium abstract) that was cited in the review on page 6, part II.C.1, line 10, is hereby updated and replaced by the citation for the published paper: Menzel et al. 2004.
- The Menzel et al (2006a) paper, cited as "in press" in the References section has now been published and is hereby updated below.
- Due to spacing problems, the citation for Mowrey and Zasada (1982) was incomplete. It has been corrected below to indicate that this paper was included in the symposium proceedings edited by Meehan, Merrell and Handley.

V. LITERATURE CITED

- Adams, H.S. and S.L. Stephenson. 1989. Old-growth red spruce communities in the mid-Appalachians. Vegetation. 85:45-56.
- Arbogast, B.S. 1999. Mitochondrial DNA phylogeography of the new world flying squirrels (*Glaucomys*): implications for Pleistocene biogeography. J. Mamm. 82: 142-155.
- Arbogast, Brian S., Robert A. Browne, Peter D. Weigl and G. J. Kenagy. 2005.

 Conservation genetics of endangered flying squirrels (*Glaucomys*) from the Appalachian mountains of eastern North America. Animal Conservation 8:123–133.
- BHE Environmental (BHE), Inc. 2003. Habitat Conservation Plan for the West Virginia Northern Flying Squirrel at the Proposed Camp Wilderness Development,

- Snowshoe Mountain, Pocahontas County, West Virginia. Unpublished Report submitted to the U.S. Fish and Wildlife Service. February, 2003. 54 pages and Appendices.
- BHE Environmental, Inc. (BHE). 2005. Habitat Conservation Plan for the West Virginia northern flying squirrel: Recreation and Infrastructure Expansion at Snowshoe Mountain, Pocahontas County, West Virginia. Unpublished Report submitted to the U.S. Fish and Wildlife Service. June, 2005. 66 pages and Appendices.
- Browne, R., P Weigl, E. Eagleson, and J. Kelly. 1999. Mountaintops as islands: genetic variation among Southern Appalachian populations of the endangered northern flying squirrel, *Glaucomys sabrinus* (mammalia: Sciuridae). Virginia Museum Nat. Hist., Spec. Pub 7: Proc. Appal. Biogeo. Sympos.
- Carey, A.B. 1989. Wildlife associated with old-growth forests in the Pacific northwest. Nat. Areas J. 9(3):151-162.
- Carey, A.B. 1991. The biology of arboreal rodents in douglas-fir forests. *in* Biology and Management of Old-growth Forests. USDA For. Serv. Gen. Tech. Rep. PNW-GTR-276, 45p.
- Carey, A.B. 1995. Sciurids in pacific northwest managed and old-growth forests. Ecol. Applications 5(3):648-661.
- Carey, A. B., J. Kershner, B. Biswell, and L. Dominguez De Toledo. 1999. Ecological scale and forest development: squirrels, dietary fungi, and vascular plants in managed and unmanaged forests. Wildl. Monog. 142:1-71.
- Carey, A.B. 2001. Experimental manipulation of spatial heterogeneity in Douglas-fir forests: effects on squirrels. Forest Ecology and Management 152:13-30.
- Castleberry, S.B., T.L. King, P.B. Wood, W.M. Ford 2002. Microsatellite DNA analysis of population structure in Allegheny woodrats (*Neotoma magister*). Journal of Mammalogy 83:1058-1070.
- Cotton, C. L. and K. L. Parker. 2000. Winter habitat and nest trees used by northern flying squirrels in subboreal forests. J. Mammal. 81:1071-1086.
- Delcourt, H.R., and P.A Delcourt. 1984. Late-quarternary history of the spruce-fir ecosystem in the southern Appalachian mountain region. *In* P.S. White (ed.) The southern Appalachian spruce-fir ecosystem: its biology and threats. United States Department of the Interior, National Park Service, Research/Resource Management Report SER-71.
- Ford, W. M., S.L. Stephenson, J.M. Menzel, D.R. Black, and J.W. Edwards. 2004. Habitat characteristics of the endangered Virginia northern flying squirrel

- (*Glaucomys sabrinus fuscus*) in the Central Appalachians. American Midland Naturalist 152:430-438.
- Hackett, H. M. and J. F. Pagels. 2003. Nest site characteristics of the endangered northern flying squirrel (Glaucomys sabrinus coloratus) in southwest Virginia. American Midland Naturalist 150:321–331.
- Handley, C.L., Jr. 1953. A new flying squirrel from the southern Appalachian Mountains. Proc. Biol. Soc. Washington 66:191-194.
- Handley, C.L., Jr. 1979. Northern Flying Squirrel, *G. s. fuscus* Miller. Pages 513 516. *In* Linzey, D.W. (ed.). Endangered and threatened plants and animals of Virginia. Ctr. Environ. Studies. Va Polytechnic Inst. and State Univ., Blacksburg, VA.
- Lehmkuhl, J. F., K. D. Kistler and J. S. Begley. 2003. Northern flying squirrel and chipmunk ecology in the eastern Washington Cascade range, p. 176–177. In: R.T. Brooks (program chair). Program and Abstracts of the Wildlife Society 10th Annual Conference, Burlington, Vt.
- Loeb, S. C., F.H. Tainter, E. Cazares. 2000. Habitat associations of hypogeous fungi in the Southern Appalachians: Implications for the endangered northern flying squirrel, <u>Glaucomys sabrinus coloratus</u>. American Midland Naturalist. 144(2):286-296.
- Maser, C. and Z. Maser. 1988. Interactions among squirrels, mycorrhizal fungi, and coniferous forests in Oregon. Great Basin Naturalist 48(3):358-369.
- Maser, C., J.M. Trappe and R.A. Nussbaum. 1978. Fungal-small mammal interrelationships with emphasis on Oregon coniferous forests. Ecology 59(4):799-809.
- Maser, C., Z. Maser, J.W. Witt and G. Hunt. 1986. The northern flying squirrel: a mycophagist in southwestern Oregon. Can. J. Zool. 64:2086-2089.
- McDonald, L. 1995. Relationships between northern flying squirrels and stand age and structure in aspen mixedwood forests in Alberta. Pp. 227-231, *in* Relationships between stand age, stand structure, and biodiversity in aspen mixedwood forests in Alberta (J. B. Stelfox, ed.). Jointly published by Alberta Environmental Centre (AECV95-R1), Vegreville, Alberta, and Canadian Forest Service (Project No. 0001A), Edmonton, Alberta. 308pp.
- Menzel, J.M. 2003. An examination of the habitat requirements of the endangered Virginia northern flying squirrel (*Glaucomys sabrinus fuscus*) by assessing nesting sites, habitat use and the development of a habitat model. Unpublished PhD. Dissertation. Morgantown, WV: West Virginia University. 122 pages.

- Menzel, J.M., Ford, W.M., Edwards, J.W. & Menzel, M.A. 2004. Nest tree use by the endangered Virginia northern flying squirrel with recommendations for habitat restoration. American Midland Naturalist 151:155-168.
- Menzel, M.A., W.M. Ford, J.W. Edwards, and T.M. Terry. 2006a. Homerange and habitat use of the endangered Virginia northern flying squirrel *Glaucomys sabrinus fuscus* in the Central Appalachian Mountains. Oryx 40(2):1-7.
- Menzel, J.M., W.M. Ford, J.W. Edwards and L.J. Ceperley. 2006b. A habitat model for the Virginia northern flying squirrel (*Glacuomys sabrinus fuscus*) in the central Appalachian Mountains. USDA Forest Service Northeastern Research Station. Research Paper NE-729.
- Miller, G.S. 1936. A new flying squirrel from West Virginia. Proc. Biol. Soc. Washington 49:143-144.
- Mitchell, D. 2001. Spring and fall diet of the endangered West Virginia northern flying squirrel, *Glaucomys sabrinus fuscus*. Amer. Midl. Naturalist 146: 439-443.
- Mowrey, R.A. and J.C. Zasada. 1982. Den tree use and movements of northern flying squirrels in interior Alaska and implications for forest management. *In* Meehan, William R., Theodore R. Merrell, Jr. and Thomas A. Hanley (Eds.). 1984. Fish and Wildlife Relationships in Old-Growth Forests: Proceedings of a symposium held in Juneau, Alaska, 12-15 April 1982. Amer. Inst. Fish. Res. Biol. 425 pp.
- Odom, R.H., W.M. Ford, J.W. Edwards, C.W. Stihler, and J.M. Menzel. 2001.

 Developing a habitat model for the endangered Virginia northern flying squirrel (*Glaucomys sabrinus fuscus*) in the Allegheny mountains of West Virginia. Biol. Conserv. 99: 245-252.
- Pagels, J. F., R. P. Eckerlin, J. R. Baker and M. L. Fies. 1990. New records of the distribution and the intestinal parasites of the endangered northern flying squirrel, *Glaucomys sabrinus* (Mammalia:Sciuridae), in Virginia. Brimleyana 16:73–78.
- Payne, J.L., D.R. Young and J.F. Pagels. 1989. Plant community characteristics associated with the endangered northern flying squirrel, *Glaucomys sabrinus*, in the southern Appalachians. Am. Midl. Nat. 121:285-292.
- Reynolds, R.J., J. F. Pagels and M.L. Fies. 1999. Demography of Northern Flying Squirrels in Virginia. Proc. Annu. Conf. Southeast Assoc. Fish and Wildl. Agencies 53:340-349.
- Rollins, Adam R. 2005 Analysis of Red Spruce (*Picea rubens*) Regeneration in Pocahontas, Randolph, and Tucker Counties, West Virginia. Unpublished M.S. Thesis, West Virginia University, Morgantown, West Virginia. 83 p.

- Schuler, T.M., W.M. Ford, and R.J. Collins. 2002. Successional dynamics and restoration implications of a montane coniferous forest in the central Appalachians, USA. Nat. Areas J. 22: 88-98.
- Sparks, J.L. 2005. Genetic variability, pathogen susceptibility, subspecies identity and conservation not the endangered northern flying squirrel (*Glaucomys sabrinus*) in Virginia. Unpublished M.S. Thesis, Virginia Commonwealth University, Richmond, Virginia. 73 p.
- Stephenson, S.L. and J.F. Clovis. 1983. Spruce forests of the Allegheny Mountains in central West Virginia. Castanea 48:1-12, *In*: Schuler, Thomas M., W. Mark Ford, and Rachel J. Collins, 2002. Successional Dynamics and Restoration Implications of a Montane Coniferous Forest in the Central Appalachians, USA. Natural Areas Journal 22:88-98.
- Stihler, C.W., J.L. Wallace, E.D. Michael, and H. Pawelczyk. 1995. Range of *Glaucomys sabrinus fuscus*, a federally endangered subspecies of the northern flying squirrel, in West Virginia. Proc. West Va. Aca. Sci. 67:13-20.
- U.S. Department of Agriculture, Monongahela National Forest. 2004. Forest Plan Amendment (Appendix H) to the 1986 Land and Resource Management Plan.
- U.S. Department of Agriculture, Monongahela National Forest. 1986. Land and Resource Management Plan.
- U.S. Department of Agriculture, Monongahela National Forest. 2005. Draft Forest Plan Revision and Environmental Impact Statement. Available on the internet at: http://www.fs.fed.us/r9/mnf/plan_revision/Information/information.htm#anchor3.
- U.S. Department of Interior, Fish and Wildlife Service. 1985. Final rule for listing Carolina northern flying squirrel and Virginia northern flying squirrel as endangered. 50 FR 27002; July 1, 1985.
- U.S. Department of Interior, Fish and Wildlife Service. 1990. Appalachian Northern Flying Squirrels Recovery Plan. Region 5, U.S. Fish and Wildlife Service, Newton Corner, MA.. 43 pages and Appendices.
- U.S. Department of Interior, Fish and Wildlife Service. 2001. Appalachian Northern Flying Squirrels Recovery Plan (Updated Appendix A Guidelines for Habitat Identification and Management for *Glaucomys sabrinus fuscus*). Region 5, U.S. Fish and Wildlife Service, Hadley, MA. 6 pages.
- U.S. Department of Interior, Fish and Wildlife Service. 2003. Biological Opinion for issuance of the Incidental Take Permit for the take of the endangered West Virginia northern flying squirrel, *Glaucomys sabrinus fuscus*, in the Camp Wilderness Habitat Conservation Plan. Unpublished Report prepared by the

- WVFO. February, 2003. 35 pages and Appendices.
- U.S. Department of Interior, Fish and Wildlife Service. 2005. Endangered and Threatened Wildlife and Plants; Initiation of a 5-Year Review of 5 Listed Species: The Virginia Northern Flying Squirrel (*Glaucomys sabrinus fuscus*), Delmarva Peninsula Fox Squirrel (*Sciurus niger cinereus*), Northeastern Bulrush (*Scirpus ancistrochaetus*), Chittenango Ovate Amber Snail (*Succinea chittenangoensis*), and Virginia Round-Leaf Birch (*Betula uber*). 70 Federal Register 128; July 6, 2005.
- U.S. Department of Interior, Fish and Wildlife Service. 2006. Biological Opinion for issuance of the Incidental Take Permit for the take of the endangered West Virginia northern flying squirrel, *Glaucomys sabrinus fuscus*, at the Proposed Recreation and Infrastructure Expansion at Snowshoe Mountain in Pocahontas County, West Virginia. Unpublished Report prepared by the WVFO. January 2006. 48 pages and Appendices.
- Urban, V. 1988. Home range, habitat utilization and activity of the endangered northern flying squirrel. Unpublished M.S. Thesis, West Virginia University, Morgantown, West Virginia. 54 p.
- Weigl, P.D., T.W. Knowles, and A.C. Boynton. 1999. The distribution and ecology of the northern flying squirrel (*Glaucomys sabrinus coloratus*) in the southern Appalachians. North Carolina Wildlife Resources Commission, Nongame and Endangered Wildlife Program, Division of Wildlife Management, Raleigh, North Carolina. 93 pp.
- Weigl, P.D. 1968. The distribution of the flying squirrels *Glaucomys volans* and *G. sabrinus*: an evaluation of the competitive exclusion idea. Unpublished PhD dissertation. Durham North Carolina: Duke University. 246 pages.
- Weigl, P.D. 1978. Resource overlap, interspecific interactions and the distribution of the flying squirrels, *Glaucomys volans* and *G. sabrinus*. Amer. Midl. Nat. 100: 83-96.
- Weigl. P.D. 1975. Parasitism as a possible biological weapon affecting the ranges and interactions of the flying squirrels, *Glaucomys volans* and *Glaucomys sabrinus*.Paper presented at 55th Annual Meeting. Amer. Sue. Mammalogists. University of Montana. 8 pages.
- West Virginia Division of Natural Resources (WVDNR). 2005. Performance Report, West Virginia endangered animal species. Unpublished report submitted to Federal Aid, Northeast Region, U.S. Fish and Wildlife Service. December, 2005. West Virginia northern flying squirrel monitoring, management and life history studies, pages 17-24 of report, and Appendix B: Site summary sheets for all *G.s. fuscus* capture sites in West Virginia through 30 September 2005 (105 pages).

- West Virginia Division of Natural Resources (WVDNR). 1987 2002. Performance Reports, West Virginia endangered animal species. Statewide monitoring and management.
- West Virginia Division of Natural Resources (WVDNR). 1994. Letter from Craig Stihler, Endangered Species Coordinator, WVDNR to Paul Nickerson, Endangered Species Chief, Northeast Region, U.S. Fish and Wildlife Service, Hadley, MA. June 3, 1994.
- Wetzel, E.J. and P.D. Weigl. 1994. Ecological implications for flying squirrels (*Glaucomys spp.*) of effects of temperature on the in vitro development and behavior of *Strongyloides robustus*. Am. Midl. Nat. 131: 43-54.