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EDUCATION:

1992 Ph.D. University of Massachusetts, Amherst, MA.

1988 M.S. University of Massachusetts, Amherst, MA.

1980 B.S. Cornell University, Ithaca, NY.

EXPERIENCE:

August 2004 – present. Associate Scientist, The Ecosystems Center, Marine Biological Laboratory, Woods Hole, MA

June 2005 – present. Associate Professor (MBL), Brown University, Providence, RI

June 2002 – present. Co-lead the Hands-on Environmental Laboratory for MBL's Science Journalism Program.

September 2004 – present. Teach terrestrial ecology to undergraduates in MBL's Semester in Environmental Science.

May 1997 – July 2004. Assistant Scientist. The Ecosystems Center, Marine Biological Laboratory, Woods Hole, MA

July 1994 - May 1997. Research Associate. The Ecosystems Center, Marine Biological Laboratory, Woods Hole, MA.

November 1991 - July 1994. Post-Doctoral Research Associate, The Ecosystems Center, Marine Biological Laboratory, Woods Hole, MA.

June – August during 1991 and 1993. Graduate Faculty, Masters of Science in Environmental Studies Program, Bard College, Annandale-on-Hudson, NY. Taught *Ecosystem Ecology*.

September 1985 - October 1991. Graduate Research Assistant and Instructor, University of Massachusetts, Amherst, MA.

RESEARCH INTERESTS:

Terrestrial ecosystem biogeochemistry, ecosystem responses to deforestation and other land use changes, soil carbon and nutrient dynamics and trace gas exchanges, ecosystem restoration, tropical agriculture, wetland plant ecology and biogeochemistry, use of stable isotopes in ecosystem research

RECENT PROFESSIONAL ACTIVITIES

2009-2010. Bullard Fellow in Amazon Ecology. Harvard University, Petersham, MA. November 2009 to August 2010.

2007. Fulbright Fellowship, Brazil. Residence at University of São Paulo, Piracicaba, January to June 2007

2007. Organizer and guest editor, Special issue of *Biological Conservation* on the ecology and management of coastal New England sandplains

- 2000-2006. Science team, NASA Large-Scale Biosphere-Atmosphere (LBA) Experiment in Amazônia
2006. Organizer and guest editor, Special LBA issue of *Hydrological Processes*
2006. Leader of LBA small watershed synthesis activity
- 2002-2007. Subject editor, *Plant and Soil*
- 1998-present. Teach in MBL's Semester in Environmental Science undergraduate semester
- 2000-present. Supervise Research Experience for Undergraduates as part of "Coastal Bays of New England" REU site
- 1994-present. Co-advised 4 PhD students and 1 MS student at CENA/USP
- 2000-present. Co-direct the environmental section of MBL's hands-on science writers program that brings working journalists to MBL for a week of intensive science training
- 2003-present. Board of Directors, Association to Preserve Cape Cod
- 2002-present Board of Directors, Falmouth Citizens Concerned with Estuaries and Salt Ponds
- 2006-present. President, Coonamessett River Trust land trust
- 1994-present. Write monthly op-ed column on natural history and environmental issues for The Enterprise newspaper in Falmouth, MA
2002. Review team for International Center for Tropical Agriculture, Amazon Program, Cali, Colombia, April 8-12.

PUBLICATIONS:

Refereed Journal Articles and Book Chapters

- Submitted. Neu, V., A. V. Krusche, and C. Neill. Fluvial and outgassing carbon losses from an Amazon forest watershed indicate minor land-to-water transport. *Global Biogeochemical Cycles*.
- Submitted. Chaves, J., C. Neill, T. Biggs, L. A. Deegan, H. Elsenbeer, R. Figueredo, S. Germer, M. Johnson, A. V. Krusche, J. Lehmann and D. Markewitz. Runoff sources and land cover change in Amazon watersheds: an end member mixing analysis of small watershed studies in the Large Scale Biosphere-Atmosphere Experiment in Amazonia. *Hydrological Processes*.
- Submitted. Germer, S, C. Neill, A. V. Krusche and H. Elsenbeer. Amazon deforestation for pasture increases frequency and volume of surface runoff. *Journal of Hydrology*.
- Submitted. Von Holle, B., C. Neill, E. F. Largay, B. Ozimec, S. A. Clark, J. Oset, and K. Lee. Biogeochemical legacy of the introduced N-fixing tree, *Robinia pseudoacacia*, in Cape Cod forests. *Ecology*.
- Submitted. Davidson, E. A., M. T. Coe, D. C. Nepstad, S. D. Donner, M. M. C. Bustamante and C. Neill. Greenhouse gas consequences of US corn-based ethanol. *Global Change Biology*.
- Submitted. Deegan, L. A., C. Neill, C. L. Hauptert, M. V. R. Ballester, A. V. Krusche, R. L. Victoria and S. M. Thomas. Deforestation reduces small stream functions and connectivity to larger rivers in an Amazonian river network. *Limnology and Oceanography*
- In press. Tomasella, J., C. Neill, R. Figueiredo and A. D. Nobre. Water and chemical budgets at the catchment scale including nutrient exports from intact forests and disturbed landscapes. In M. Keller, J. Gash and J. Melack (eds), *The Large Scale Biosphere-Atmosphere Experiment in Amazonia*, AGU Monograph Series.
- In press. Chaves, J., C. Neill, S. Germer, S. Gouveia Neto, A. V. Krusche, A. Castellanos Bonilla and H. Elsenbeer. Nitrogen transformations in flowpaths leading from soils to streams in Amazon forest and pasture. *Ecosystems*.

- In press. Ballester, M. V. R., R. L. Victoria, A. V. Krusche, M. Bernardes, C. Neill, L. A. Deegan and J. E. Richey. Physical and human controls on the carbon composition of organic matter in tropical rivers: An integrated analysis of landscape properties and river isotopic composition. International Atomic Energy Agency, Vienna, Austria.
- In press. Kniffin, M., C. Neill, R. M. McHorney and G. Gregory. Nutrient limitation of periphyton and phytoplankton in Cape Cod coastal plain ponds. *Northeastern Naturalist*.
2009. Neill, C., M. O. Bezerra, R. McHorney and C. B. O’Dea. Distribution, species composition and management implications of seed banks in southern New England coastal plain ponds. *Biological Conservation* 142: 1350-1361.
2009. Germer, S., C. Neill, T. Vetter, J. Chaves, A. V. Krusche and H. Elsenbeer. Implications of long-term land-use change on the hydrology and solute budgets of small catchments in Rondônia (Brazil). *Journal of Hydrology* 364: 349-363. doi:10.1016/j.jhydrol.2008.11.013.
2008. Zimmermann, A., S. Germer, C. Neill., A. V. Krusche, J. Chaves and H. Elsenbeer. Spatio-temporal patterns of throughfall water and solute deposition in an open tropical rain forest, south-western Amazonia, Brazil. *Journal of Hydrology* 360: 87-102, doi: 10.1016/j.jhydrol.2008.07.028.
2008. Davidson, E. A., G. P. Asner, T. Stone, C. Neill and R. O. Figueiredo. Objective indicators of pasture degradation from spectral mixture analysis of Landsat imagery. *Journal of Geophysical Research* 113: G00B03, doi:10.1029/2007JG000622.
2008. Chaves, J., C. Neill, H. Elsenbeer, A. Krusche, S. Germer and S. Gouveia Neto. Land management impacts on runoff sources in small Amazon watersheds. *Hydrological Processes* 22: 1766-1775.
2007. Germer, S., C. Neill, A. V. Krusche, S. Gouveia Neto and H. Elsenbeer. Seasonal and within-event dynamics of rainfall and throughfall chemistry in an open tropical rainforest in Rondônia, Brazil. *Biogeochemistry* 86: 155-174.
2007. Neill, C., W. A. Patterson, III and David W. Crary, Jr. Responses of soil carbon, nitrogen and cations to the frequency and seasonality of prescribed burning in a Cape Cod oak-pine forest. *Forest Ecology and Management* 250: 234-243.
2007. McHorney, R. M. and C. Neill. Alteration of water levels in a Massachusetts coastal plain pond subject to municipal ground water withdrawals. *Wetlands* 27:366-380.
2007. Neill, C. The challenge of managing disturbance regimes, terrestrial communities and rare species in a suburbanizing region: the Northeastern U.S. coastal sandplain. *Biological Conservation* 136: 1-3.
2007. Neill, C., B. Von Holle, K. Kleese, K. R. Ivy, A. R. Collins, C. Treat and M. Dean. Historical influences on the vegetation and soils of the Martha’s Vineyard, Massachusetts coastal sandplain: Implications for conservation and restoration. *Biological Conservation* 136: 17-32.
2007. Piccolo, M. C. and C. Neill. Mineralização e nitrificação do nitrogênio do solo sob floresta e pastagem na amazônia brasileira. Pages 581-634 in T Yamada, S. R. Stipp and A. G. C. Vitte (eds), *Nitrogênio e enxofre na agricultura Brasileira*. International Plant Nutrition Institute, Piracicaba, SP, Brazil.
2006. Neill, C., H. Elsenbeer, A. V. Krusche, J. L. Lehmann, D. Markewitz and R. O de Figueiredo. Hydrological and biogeochemical processes in a changing Amazon: Results from small watershed studies and the Large-Scale Biosphere-Atmosphere Experiment. *Hydrological Processes* 20: 2467-2476.

2006. Neill, C., L. A. Deegan, S. M. Thomas, C. L. Hauptert, A. V. Krusche, V. M. Ballester and R. L. Victoria. Deforestation alters channel hydraulic and biogeochemical characteristics of small lowland Amazonian streams. *Hydrological Processes* 20: 2563-2580.
2006. Neill, C., M. C. Piccolo, C. C. Cerri, P. A. Steudler and J. M. Melillo. Soil solution and nitrogen oxide losses during clearing of lowland Amazon forest for cattle pasture. *Plant and Soil* 281: 233-245.
2006. Lezberg, A. L., K. Buresch, C. Neill and T. Chase. Mechanical land clearing to promote establishment of coastal sandplain grassland and shrubland communities. *Restoration Ecology* 14:220-232.
2005. Cerri, C. C., J. M. Melillo, B. J. Feigl, M. C. Piccolo, C. Neill, P. A. Steudler, M. da C. S. Carvalho, V. P. Godinho, C. E. P. Cerri and M. Bernoux. Recent history of agriculture of the Brazilian Amazon Basin: Prospects for sustainable development and a first look at the biogeochemical consequences of pasture reformation. *Outlook on Agriculture* 34:215-233.
2005. Krusche, A. V., M. V. R. Ballester, R. L. Victoria, M. C. Bernardes, N. K., L. Hanada, R. Marcondes, D. C. Victoria, A. M. Toledo, J. P. Ometto, M. Z. Moreira, A. M. Toledo, M. A. Boloso, S. G. Neto, N. Bonelli, L. A. Deegan, C. Neill, S. M. Thomas, A. Aufdenkampe and J. E. Richey. As mudanças no uso da terra e a biogeoquímica dos corpos d'água na Amazônia. *Acta Amazonica* 35: 197-205.
2005. do Carmo, J. B., C. Neill, D. C. Garcia-Montiel, M. C. Piccolo, C. C. Cerri, P. A. Steudler, C. A. Andrade, C. C. Passianoto, B. J. Feigl and J. M. Melillo. Nitrogen dynamics during till and no-till pasture reformation sequences in Rondônia, Brazil. *Nutrient Cycling in Agroecosystems* 71:213-225.
2005. Neill, C., P. A. Steudler, D. C. Garcia-Montiel, J. M. Melillo, B. J. Feigl, M. C. Piccolo, C. C. Cerri. Rates and controls of nitrous oxide and nitric oxide emissions following conversion of forest to pasture in Rondônia. *Nutrient Cycling in Agroecosystems* 71:1-15.
2004. Davidson, E. A., C. Neill, A. V. Krusche, D. Markewitz, R. de O. Figueiredo and M. V. R. Ballester. Loss of nutrients from terrestrial ecosystems to streams and the atmosphere following land use change in Amazonia. Pages 147-158 in G. Asner and R. DeFries (eds.), *Ecosystems and Land Use Change*, American Geophysical Union Monographs Series 153.
2004. Garcia-Montiel, J. M. Melillo, P. A. Steudler, H. Tian, C. Neill, D. W. Kicklighter, B. Feigl and C. C. Cerri. Emissions of N₂O and CO₂ from terra firme forests in Rondônia, Brazil. *Ecological Applications* 14: S214-S220.
2004. Thomas, S. M., C. Neill, L. A. Deegan, A. V. Krusche, R. Victoria and M. V. Ballester. Influences of land use and stream size on particulate and dissolved materials in a small Amazonian stream network. *Biogeochemistry* 68:135-151.
2003. Garcia-Montiel, D. C., P. A. Steudler, M. Piccolo, C. Neill, J. M. Melillo and C. C. Cerri. Nitrogen oxide emissions following wetting of dry soils in forest and pastures in Rondônia, Brazil. *Biogeochemistry* 64: 319-336.
2003. Peterson, G. G. and C. Neill. Using soil $\delta^{13}\text{C}$ to detect the historic presence of little bluestem (*Schizachyrium scoparium*) grasslands on Martha's Vineyard. *Restoration Ecology* 11:116-122.
2002. Garcia-Montiel, D. C., J. M. Melillo, P. A. Steudler, H. Tian, C. Neill, D. W. Kicklighter and C. C. Cerri. Nitrous oxide emissions from the Amazon Basin as estimated by soil respiration. *Geophysical Research Letters* 29:14-1 to 14-3.

2002. Steudler, P. A., D. C. Garcia-Montiel, M. C. Piccolo, C. Neill, J. M. Melillo, B. J. Feigl and C. C. Cerri. Trace gas responses to N and P fertilization of tropical forest and pasture soils. *Global Biogeochemical Cycles* 16: 7-1 to 7-12.
2001. Melillo, J. M., P. A. Steudler, B. J. Feigl, C. Neill, D. Garcia, M. C. Piccolo, C. C. Cerri and H. Tian. Nitrous oxide emissions from forests and pastures of various ages in the Brazilian Amazon. *Journal of Geophysical Research* 106:34,179-34,188.
2001. Garcia-Montiel, D. C., P. A. Steudler, M. C. Piccolo, J. M. Melillo, C. Neill and C. C. Cerri. Controls on soil nitrogen oxide emissions from forest and pastures in the Brazilian Amazon. *Global Biogeochemical Cycles* 15:1021-1030.
2001. Neill, C., L. A. Deegan, S. M. Thomas and C. C. Cerri. Deforestation for pasture alters nitrogen and phosphorus in soil solution and streamwater of small Amazonian watersheds. *Ecological Applications* 11: 1817-1828.
2001. Cornelissen, J. H. C., T. V. Callaghan, J. M. Atalalo, A. Michelsen, E. Graglia, A. E. Hartley, D. S. Hik, S. E. Hobbie, M. C. Press, C. H. Robinson, G. H. R. Henry, G. R. Shaver, G. K. Phoenix, D. Gwynn Jones, S. Jonasson, F. S. Chapin, III, U. Molau, C. Neill, J. A. Lee, J. M. Melillo, B. Sveinbjörnsson and R. Aerts. Global change and arctic ecosystems: is lichen decline a function of increases in vascular plant biomass? *Journal of Ecology* 89:984-994.
2000. Garcia-Montiel, D., C. Neill, J. M. Melillo, S. M. Thomas, P. A. Steudler and C. C. Cerri. Soil phosphorus transformations after forest clearing for pasture in the Brazilian Amazon. *Soil Science Society of America Journal* 64:1792-1804.
2000. Neill, C. and E. A. Davidson. Soil carbon accumulation or loss following deforestation for pasture in the Brazilian Amazon. Pages 197-211 in R. Lal, J. M. Kimble and B. A. Stewart (eds.), *Global Climate Change and Tropical Ecosystems*, CRC Press, NY.
1999. Hartley, A. E., C. Neill, R. Crabtree, J. M. Melillo and F. P. Bowles. Plant performance and soil N mineralization in response to simulated climate change in subarctic dwarf shrub heath. *Oikos* 86:331-343.
1999. Neill, C., M. C. Piccolo, J. M. Melillo, P. A. Steudler and C. C. Cerri. Nitrogen dynamics in Amazon forest and pasture soils measured by ^{15}N pool dilution. *Soil Biology and Biochemistry* 31:567-572.
1998. Bernoux, M., C. Cerri, C. Neill and J. F. L. Moraes. The use of stable isotopes for estimating soil organic matter turnover rates. *Geoderma* 82:43-58.
1997. Neill, C., J. M. Melillo, P. A. Steudler, C. C. Cerri, J. F. L. Moraes, M. C. Piccolo and M. Brito. Soil organic matter stocks following forest clearing for pasture in the southwestern Brazilian Amazon. *Ecological Applications* 7:1216-1225.
1997. Neill, C., C. C. Cerri, J. M. Melillo, B. J. Feigl, P. A. Steudler, J. F. L. Moraes and M. C. Piccolo. Soil carbon stocks and dynamics following deforestation for pasture in Rondônia. Pages 9-28 in R. Lal, J.M. Kimble, R. F. Follett and B. A. Stewart (eds.), *Soil Processes and the Carbon Cycle*. CRC Press, NY.
1997. Neill, C., M. C. Piccolo, C. C. Cerri, P. A. Steudler, J. M. Melillo and M. Brito. Net nitrogen mineralization and net nitrification rates in soils following deforestation for pasture across the southwestern Brazilian Amazon Basin landscape. *Oecologia* 110:243-252.
1996. Piccolo, M. C., C. Neill, J. M. Melillo, C. C. Cerri and P. A. Steudler. ^{15}N natural abundance in forest and pasture soils of the Brazilian Amazon Basin. *Plant and Soil* 182:249-258.

1996. Fry, B., R. Garritt, K. Tholke, C. Neill, R. H. Michener, F. J. Mersch and W. Brand. Cryoflow: cryofocusing nanomole amounts of CO₂, N₂ and SO₂ from an elemental analyzer for stable isotopic analysis. *Rapid Communications in Mass Spectrometry* 10:953-958.
1996. Steudler, P. A., J. M. Melillo, B. J. Feigl, C. Neill, M. C. Piccolo and C. C. Cerri. Consequence of forest-to-pasture conversion on CH₄ fluxes in the Brazilian Amazon Basin. *Journal of Geophysical Research* 101:18,547-18,554.
1996. Neill, C., B. Fry, J. M. Melillo, P. A. Steudler, J. L. Moraes and C. C. Cerri. Forest- and pasture-derived carbon contributions to carbon stocks and microbial respiration of tropical pasture soils. *Oecologia* 107:113-119.
1995. Neill, C. Seasonal flooding, nitrogen availability and nitrogen utilization in a prairie marsh. *Biogeochemistry* 30:171-189.
1995. Cornwell, J. C., C. Neill and C. Stevenson. Biogeochemical origin of δ³⁴S signatures in a prairie marsh. *Canadian Journal of Fisheries and Aquatic Sciences* 52:1816-1820.
1995. Neill, C., M. C. Piccolo, P. A. Steudler, J. M. Melillo, B. Feigl and C. C. Cerri. Nitrogen dynamics in soils of forests and active pastures in the western Brazilian Amazon Basin. *Soil Biology and Biochemistry* 27:1167-1175.
1995. Moraes, J. L., C. C. Cerri, J. M. Melillo, D. Kicklighter, C. Neill, D. L. Skole and P. A. Steudler. Soil carbon stocks of the Brazilian Amazon basin. *Soil Science Society of America Journal* 59:244-247.
1994. Turner, R. E., J. M. Lee and C. Neill. Backfilling canals to restore wetlands: empirical results in coastal Louisiana. *Wetlands Ecology and Management* 3:63-78.
1994. Piccolo, M. C., C. Neill and C. C. Cerri. ¹⁵N abundance in soils along forest-to-pasture chronosequences in the western Brazilian Amazon Basin. *Oecologia* 99:112-117.
1994. Piccolo, M. C., C. Neill and C. C. Cerri. Net nitrogen mineralization and net nitrification along a tropical forest-to-pasture chronosequence. *Plant and Soil* 162:61-70.
1994. Neill, C. Seasonal flooding and primary production in prairie marshes harvested for wild hay. *Canadian Journal of Botany* 72:801-807.
1994. Day, J. W., F. H. Sklar, C. Neill, W. H. Conner, C. S. Hopkinson, G. P. Kemp and R. Costanza. Modeling of Louisiana swamp forests (USA). Pages 95-128, in B. C. Patten (ed.), *Wetlands and Shallow Continental Waterbodies, Volume 2*. SBD Academic Publishing, The Hague, Netherlands.
1994. Neckles, H. A. and C. Neill. Hydrologic control of litter decomposition in seasonally flooded prairie marshes. *Hydrobiologia* 286:155-165.
1993. Neill, C. Growth and resource allocation of whitetop (*Scolochloa festucacea*) along a water depth gradient. *Aquatic Botany* 46:235-246.
1993. Neill, C. Seasonal flooding, soil salinity and primary production in northern prairie marshes. *Oecologia* 94:499-505.
1992. Neill, C. Comparison of biomass cores and ingrowth techniques for measuring belowground production. *Ecology* 73:1918-1921.
1992. Neill, C. Life history and population dynamics of shoots of whitetop (*Scolochloa festucacea*) under different levels of flooding and nitrogen supply. *Aquatic Botany* 42:241-252.
1992. Neill, C. and J. C. Cornwell. Stable carbon, nitrogen and sulfur isotopes in a prairie marsh food web. *Wetlands* 12:217-224.
1990. Neill, C. Effects of nutrients and water levels on emergent macrophyte biomass in a prairie marsh. *Canadian Journal of Botany* 68:1007-1014.

1990. Neill, C. The effect of nitrogen additions on species composition in prairie whitetop (*Scolochloa festucacea*) marshes. *Canadian Journal of Botany* 68:1015-1020.
1990. Neill, C. Nutrient limitation of hardstem bulrush (*Scirpus acutus* Muhl.) in a Manitoba Interlake Region marsh. *Wetlands* 10:69-76.
1987. Neill, C. and R. E. Turner. Backfilling canals to mitigate wetland dredging in Louisiana coastal marshes. *Environmental Management* 11:853-836.
1987. Neill, C. and R. E. Turner. Comparison of fish communities in open and plugged backfilled canals in Louisiana coastal marshes. *North American Journal of Fisheries Management* 7:57-62.
1987. Neill, C. and C. A. S. Hall. Shale oil. Pages 221-228, in C. A. S. Hall, C. J. Cleveland, and R. Kaufmann. *Energy, Resource Quality, and Economic Systems*. J. Wiley and Sons, NY.
1986. Neill, C. and L. A. Deegan. The effect of Mississippi River delta lobe development on the habitat composition and diversity of Louisiana coastal wetlands. *American Midland Naturalist* 116:296-303.
1984. Deegan, L. A., H. M. Kennedy and C. Neill. Natural factors and human modifications contributing to marsh loss in Louisiana's Mississippi River deltaic plain. *Environmental Management* 8:519-528.
1984. Costanza, R. and C. Neill. Energy intensities, interdependence, and value in ecological systems: a linear programming approach. *Journal of Theoretical Biology* 106:41-57.
1983. Turner, R. E., K. L. McKee, W. B. Sikora, J. P. Sikora, C. Neill, S. G. Leibowitz, and F. Pedrazini. The impact and mitigation of man-made canals in coastal Louisiana. *Water, Science and Technology* 16:497-504.

Non-Technical Articles, Published Proceedings and Reports:

- Present –1994. More than 100 columns on ecology, birds and conservation issues for *The Enterprise* newspaper, Falmouth, MA.
2004. Coyotes and the food chain. *Bird Observer* 32:172-173.
2003. Anatomical and physiological changes in birds. *Bird Observer* 31:229-230.
2003. Neill, C. Tracking ospreys with transmitters. *Bird Observer* 31:23-25.
2001. Hinckley, E.-L. S., C. Neill, R. McHorney and A. Lezberg. Dissolved nitrogen dynamics under a coastal Massachusetts forest. *Biological Bulletin* 201:288-290.
2001. Hauxwell, A. M., C. Neill, I. Valiela and K. D. Kroeger. Small-scale heterogeneity of nitrogen concentrations in groundwater at the seepage face of Edgartown Great Pond. *Biological Bulletin* 201:290-292
1998. Neill, C. Rondônia redux: Will Rondônia retrace New England forest history? *Sanctuary Magazine*, September-October.
1993. Turner, R. E., J. M. Lee and C. Neill. Backfilling canals as a wetland restoration technique in coastal Louisiana. U.S. Department of Interior, Minerals Management Service, Gulf of Mexico OCS Regional Office, New Orleans, LA.
1988. Turner, R. E., I. A. Mendelsohn, K. L. McKee, R. Costanza, C. Neill, J. P. Sikora, W. B. Sikora and E. Swenson. Backfilling canals in coastal Louisiana. Pages 135-143, in J. A. Kusler, M. L. Quammen and G. L. Brooks, eds., *Proceedings of the National Wetlands Symposium: Mitigation of Impacts and Losses*. Association of State Wetland Managers, Berne, NY.

1987. Larson, J. S. and C. Neill, eds. *Mitigating Freshwater Wetland Alterations in the Glaciated Northeastern United States: An Assessment of the Science Base*. The Environmental Institute, University of Massachusetts., Amherst. 143 p.
1987. Neill, C. and R. E. Turner. Restoration of dredge canals in coastal marshes (Louisiana). *Restoration and Management Notes* 5:32.
1985. Deegan, L. A. and C. Neill. New life on the Mississippi. *Natural History*, June 1994, pp. 60-71.
1985. Neill, C. and R. E. Turner. Atlas of Louisiana backfilled canals. Coastal Management Division, Louisiana Department of Natural Resources, Baton Rouge.
1983. Turner, R. E. and C. Neill. Revisiting impounded marshes after 70 years. Pages 309-321, in R. J. Varnell, ed., *Water Quality and Wetland Management Conference Proceedings*, New Orleans, LA.
1983. Costanza, R., C. Neill, S. G. Leibowitz, J. R. Fruci, L. M. Bahr, Jr., and J. W. Day, Jr. Ecological characterization of the Mississippi Deltaic Plain Region. Data collection and presentation. U.S. Fish and Wildlife Service, Office of Biological Services. FWS/OBS-82/69.
1983. Bahr, L. M., Jr., J. W. Day, Jr., S. E. Bayley, R. Costanza, C. Neill, S. G. Leibowitz, and J. R. Fruci. Ecological characterization of the Mississippi Deltaic Plain Region. A narrative. U.S. Fish and Wildlife Service, Office of Biological Services, Washington, D. C. FWS/OBS-82/68.
1983. Turner, R. E., S. G. Leibowitz, and C. Neill. A study design for the application of the U.S. Fish and Wildlife Service geographical information system in a study of the impacts of dredged spoil levees on habitat changes in coastal Louisiana. National Coastal Ecosystems Team, Office of Biological Services, U.S. Fish and Wildlife Service, Washington, D.C.
1982. Neill, C. Louisiana acts to save its wetlands. *Not Man Apart* 12(2):11.
1981. Cleveland, C. J., C. Neill, and J. W. Day, Jr. The impact of artificial canals on land loss in the Barataria Basin, Louisiana. Pages 425-434, in W. J. Mitsch, R. W. Bosserman, and J. M. Klopatek, eds., *Energy and Ecological Modelling*. Elsevier Scientific Publ. Co., NY.
1981. Costanza, R. and C. Neill. The energy embodied in the products of the biosphere. Pages 745-756, in W. J. Mitsch, R. W. Bosserman, and J. M. Klopatek, eds., *Energy and Ecological Modeling*. Elsevier Scientific, NY.

FUNDING HISTORY:

2009. Coupled social and natural drivers of deforestation and ecosystem change at the Amazon cropland frontier. Brown University Environmental Change Institute, \$13,000 (C. Neill and L. VanWey).
- 2007-2009. Sandplain grassland restoration at Herring Creek. The Nature Conservancy, \$60,000 (C. Neill).
2008. Land use change, carbon offsets and carbon sequestration: a case study in Essex and Middlesex Counties, MA. Hubbard Brook Research Foundation, \$10,000 (C. Neill).
- 2008-2011. IPY: Improving the public's understanding of polar research through hands-on fellowships for science journalists in the Arctic and Antarctic. National Science Foundation, Informal Science Education, \$365,289 (C. Neill, H. Ducklow, J. Hobbie, G. Shaver, B. Peterson).

- 2007-2010. Collaborative research: Influence of land use on watershed hydrology and biogeochemistry at the Amazon agricultural frontier. National Science Foundation, Ecosystem Studies Program, \$831,395 (C. Neill, H. Elsenbeer, A. Krusche, E. Davidson).
- 2004-2007. Building the scientific base for coastal plain pond conservation. Massachusetts Environmental Trust, \$61,340 (C. Neill, R. McHorney).
- 2004-2006. Overland flow in the humid tropics under distinct land uses. German Government DADD. (Collaboration with Helmut Elsenbeer)
- 2004-2007. Science journalism program for the arctic. National Science Foundation Office of Polar Programs. \$45,864 (J. E. Hobbie, C. Neill, K. Foreman, P. Clapp).
- 2004-2005. Scientific and practitioner network for sandplain conservation. The Kohlberg Foundation. \$25,000. (C. Neill)
- 2003-2006. Nitrogen movement from uplands to streams in forested and deforested tropical watersheds. National Science Foundation, Ecosystems Studies Program. \$600,000. (C. Neill, H. Elsenbeer, A. V. Krusche, P. A. Steudler, J. M. Moraes).
2003. Hydrological science to support biodiversity conservation in Massachusetts. The Nature Conservancy, Massachusetts Chapter. \$95,000 (C. Neill)
- 2002-2003. The Nature Conservancy-MBL sandplain restoration and conservation experiment. Massachusetts Environmental Trust. \$20,389. (C. Neill)
- 2002-2005. Key connections in Amazonian stream corridors. NASA LBA Program. \$754,661. (L. A. Deegan, C. Neill, R. L. Victoria, A. V. Krusche, M. V. Ballester).
2002. \$240,000. Controlled environment facilities for examination of the effects of climate change and human land use on terrestrial and aquatic ecosystems. NSF Field Stations and Marine Laboratories Program (G. R. Shaver and C. Neill).
- 2000-2003. \$900,000. The biogeochemical consequences of agricultural intensification in the Amazon. NASA LBA Program. (J. M. Melillo, C. Neill, P. A. Steudler and C. C. Cerri).
2000. \$173,889. An analytical laboratory for examination of land use change and its consequences for aquatic ecosystems. NSF Field Stations and Marine Laboratories Program (A. E. Giblin, C. Neill).
- 1998-2001. \$477,000. Linking soil biogeochemistry to surface water chemistry in small drainage basins of the Amazon. NASA LBA Program. (L. A. Deegan, C. Neill, R. A. Victoria).
- 1996-1999. \$900,000. Trace gas fluxes associated with land-use and land-cover changes in the Brazilian Amazon Basin. NASA (J. M. Melillo, P. A. Steudler and C. Neill).
- 1996-1997. \$50,000. Biogeochemical consequences of land use change in the Amazon Basin. National Science Foundation Inter-American Institute for Global Change Research (J. Melillo, C. Neill and P. Steudler).
- 1996-1998. \$290,000. Links between soil nutrient dynamics and surface water biogeochemistry following deforestation for pasture agriculture in Amazonia. National Science Foundation Environmental Geochemistry and Biogeochemistry Program (L. Deegan and C. Neill).
- 1988-1990. \$30,700. Flooding, primary production and plant resource allocation in prairie marshes. North American Wildlife Foundation, through the Delta Waterfowl and Wetlands Research Station, Portage la Prairie, Manitoba (C. Neill).
1989. \$600. Sigma Xi Grant-in-Aid of Research. Flooding, primary production and resource allocation in prairie marshes (C. Neill).
- 1986-1987. \$25,700. Control of the primary production of emergent macrophytes in prairie marshes: effects of water depth and nutrient availability. North American Wildlife Foundation (C. Neill).

TEACHING:

1997-present. Teach ecosystem ecology in the Ecosystems Center's Semester in Environmental Science Program. Developed and present lectures on photosynthesis, scaling of production measurements, ecosystem water budgets, nitrogen cycling, ecosystems disturbance, tropical deforestation, land-water nitrogen movement. Developed and teach laboratories on biomass in terrestrial ecosystems, primary productivity, soil nutrient stocks and cycling, water budgets and land-water nutrient fluxes.

2000-present. Teach the Environmental Science component of the Marine Biological Laboratory's Hands-On Science Writing Laboratory, a 1-week immersion fellowship program for working science journalists. The program leads journalists through research questions, field data collection, laboratory water chemistry analysis, data analysis and public data presentation. focusing on arctic global change at Toolik Field Station, Alaska.

2000. Taught science writing seminar in Ecosystems Center Semester in Environmental Science Program.

1991-1993. Graduate Faculty, Masters of Science in Environmental Studies Program, Bard College, Annandale-on-Hudson, NY. Taught Ecosystem Ecology.

1989-1990. Department of Forestry and Wildlife Management, University of Massachusetts, Amherst, MA. Taught introductory course in the wildlife biology major, Wildlife and Fisheries Biology 197, "Fauna of New England Ecosystems."

PROFESSIONAL MEMBERSHIPS AND PAST AWARDS:

American Association for the Advancement of Science

American Institute of Biological Sciences

Ecological Society of America

Society of Conservation Biology

Society for Ecological Restoration

Society of Wetland Scientists

Soil Science Society of America

NASA LBA-Ecology science team

1987-1988. Graduate Fellowship, University of Massachusetts.

1985. MacMillan Fellowship, Delta Waterfowl and Wetlands Research Station, Delta, Manitoba.

PRESENTATIONS:

2009. Dangerous synergies: Deforestation, climate and the future of the Amazon. Department of Biology, University of Central Florida, Orlando, FL, January 9.

2008. Deforestation, Farming, Fire and Drought: Emerging Insights into the Future of the Amazon, Washington and Lee University, Lexington, VA, November 6.

2008. The implications of soil seed banks for conservation and restoration in two endangered ecosystems of Massachusetts. Marine Biological Laboratory, Woods Hole, MA. October 21.

2008. Deforestation, farming, fire and drought: Emerging insights into the future of the Amazon. Massachusetts Institute of Technology Knight Journalism Fellows Program. Marine Biological Laboratory, Woods Hole, MA. October 9.

2008. Deforestation and the future of the Amazon. Watson Fellows Program, Brown University, Providence, RI. April 8.
2007. C. Neill, S. Germer, J. Chaves, A. V. Krusche and H. Elsenbeer. Land use and soils control the fate of dissolved nitrogen in Amazon watersheds. Fourth International Nitrogen Conference, Costa do Sauípe, Brazil. October 3.
2007. C. Neill, S. Germer, A. Krusche, J. Chaves, H. Elsenbeer, S. Gouveia Neto and A. Castellanos Bonilla. Water and solute balances in small Amazonian watersheds. Thirteenth LBA-Ecology Meeting, September 27-29, Salvador, Brazil.
2007. Águas. Conferências do Pan-Gnósio 2007, Invited talk in a series on advances, problems and questions, Escola Superior de Agricultura Luiz de Queiroz, Piracicaba, SP, March 26.
2007. Deforestation decreases biodiversity but increases nitrogen retention in lowland Amazon streams. Stroud Water Research Center, Avondale, PA, March 8.
2006. What are the environmental and social consequences of soybean expansion in the Amazon? Brown University, Environmental Change Institute, November 19.
2006. The importance of scale and riparian zones in modifying solute inputs from land to streams. Tenth LBA-ECO Science Team Meeting, Brasilia, October 5.
2006. The biogeochemistry of Amazon deforestation. Brown University, Department of Ecology and Evolutionary Biology, September 16.
2006. Amazon watershed research. Council of Visitors, Marine Biological Laboratory, July 23.
2006. Dangerous synergies: the future of the Amazon basin. Invited lecture, Symposium on Climate Change, Marine Biological Laboratory, June 30.
2006. Deforestation and the future of the Amazon. Invited lecture, Potsdam Climate Impact Research. June 20.
2006. Deforestation and the future of the Amazon. Invited lecture, Institute of Geocology, Potsdam University, June 13.
2006. Deforestation and the future of the Amazon. MBL Science Journalism Program, June 3.
2006. Physical and antropogenic controls of the biogeochemistry of small stream in western Amazônia. Presentation at LBA Small Basin Synthesis Workshop, Piracicaba, Brazil, May 14
2006. Diversity and distribution of Cape Cod coastal plain pond seed banks. Cape Cod Natural History Conference, Barnstable, MA. March 25.
2006. Temperature regime of a Cape Cod groundwater river influenced by impoundment and agriculture. Cape Cod Natural History Conference, Barnstable, MA. March 25.2006.
2006. Amazon deforestation. Brown University, March 10.
2006. Abordagens para entender fluxos de água e material em pequenas bacias Amazonicas. Best Practices Workshop, Fazenda Tanguro, Canarana, Brazil. February 15.
2005. The effect of deforestation on Amazon streams. Sewanne College. October 3.2005. September 24. How well do mechanical land clearing and dormant-season prescribed burning promote establishment of coastal sandplain grassland and shrubland communities? September 24.
2005. The conservation implications of habitat and biogeochemical alteration of small lowland Amazonian streams caused by deforestation. Brasilia, July 19.
2005. Appearance on Cape Cod Environmental Connections television program, May 11.
2005. Deforestation and the future of the Amazon. Lecture to ISIS fellows, Southern Connecticut State University, March 16. MBL.

2005. Why restore ecosystems? Presentation to The Three Hundred Committee (Falmouth Land Trust), February 16, Falmouth, MA.
2004. Vegetation and Biogeochemical Responses to Sandplain Land Management: Results from Management Manipulations on Martha's Vineyard. Coastal Sandplain Science and Conservation Workshop, December 9-10, MBL
2004. From soils to solutes to stream channels: how deforestation is altering Amazonian stream ecosystems. Invited lecture, Biology Department, Grinnell College, Grinnell, Iowa. November 5.
2004. Controls of land-water nitrogen movement through small lowland Amazonian forest and pasture drainage basins in Rondônia (C. Neill, L. A. Deegan, A. V. Krusche, M. V. R. Ballester, H. Elsenbeer, J. M. Moraes, R. L. Victoria, S. M. M. Thomas, C. L. Hauptert and M. C. Piccolo). LBA Third Science Meeting, Brasilia, July 28.
2004. Deforestation and the future of the Amazon. Lecture to MBL Science Journalism Program, June 11.
2004. Deforestation and the future of the Amazon. Lecture to Brown University Luce Scholars Program, May 6.
2004. Land-water nitrogen movement following severe disturbance of a coastal forest: Insights from a conservation management experiment on Martha's Vineyard. The Ecosystems Center, March 16.
2004. Amazon update. Segment on National Public Radio's "Earth and Sky," February 18.
2003. Using ^{15}N to trace nitrogen transformations and organic matter turnover in an Amazonian rainforest stream. VI Congresso Ecologico do Brasil, 9-14 November, Fortaleza, Brazil. (C. Neill, L. A. Deegan, A. V. Krusche, M. V. Ballester, S. M. Thomas, R. L. Victoria. A. F. Gessner).
2003. Soil nitrogen transformations and soil solution fluxes following clearing of Amazonian tropical forest for pasture. Large-Scale Biosphere-Atmosphere Experiment in Amazonia Science Meeting, November 5-8, Fortaleza, Brazil. (C. Neill, M. C. Piccolo, P. A. Steudler, L. A. Deegan, A. V. Krusche, S. M. Thomas, J. M. Melillo, D. C. Garcia-Montiel, M. V. Ballester, C. C. Cerri, R. L. Victoria and H. Elsenbeer).
2003. Key connections in Amazon stream corridors: Using ^{15}N to trace N transformations and transport. Large-Scale Biosphere-Atmosphere Experiment in Amazonia Science Meeting, November 5-8, Fortaleza, Brazil. (L. A. Deegan, C. Neill, M. V. Ballester, S. M. Thomas. A. V. Krusche)
2003. Fluxes of nitrogen following clearing of Brazilian Amazon tropical forest for pasture. (M. Piccolo, C. Neill, C. C. Cerri, J. Melillo. Controlling N flows and losses, 12th N Workshop, Institute for Grassland and Environmental Research, Devon, UK, 21-24 September.
2003. Conservation of ecosystem process in the Massachusetts Coastal Plain: What we have learned from the TNC-MBL experiments on Job's Neck. Martha's Vineyard Conservation Partnership, West Tisbury, MA, July 2.
2003. The land-water connection: Action steps to protect coastal salt ponds. West Tisbury's Coastal Salt Ponds Watershed Meeting, West Tisbury, MA, June 27.
2003. Conservation of ecological processes and rare species in the human-dominated Massachusetts Coastal Plain. Presentation to MBL's Hands-On Science Writing Program, June 6.

2003. Conservation of ecological processes and rare species in the Coastal Plain: Results of the MBL-TNC experiment on Job's Neck. Presentation to MA Chapter of The Nature Conservancy, April 15.
2003. Cape Cod birds as indicators of global change. MBL Elderhostel program, April 2.
2003. Restoring our back yards. Falmouth Garden Club, February 3.
2002. Land use and global change in the Amazon. Invited lecture to the Luce Scholars Program of Brown University, Woods Hole, MA, December 3.
2002. Martha's Vineyard Sandplain Ecosystem Study at Job's Neck: A synopsis of our field work tracking nitrogen and water flow. Annual meeting of the Great Ponds Foundation, Martha's Vineyard, MA, August 15.
2002. Land use change alters the biogeochemistry and downstream movement of nitrogen in small drainage basins, Oral presentation at the LBA All-Scientists Meeting, Manaus, Brazil, July 7-10. (Christopher Neill, Linda A. Deegan, Alex V. Krusche, Suzanne M. Thomas, M. Victoria R. Ballester, and Reynaldo L. Victoria). 2002. Alterations to nitrate and ammonium concentrations in pasture soils subjected to tilling. Poster presented at the LBA Science Meeting, Manaus, Brazil, July 7-10. (Carmo, J. B., C. C. Cerri, C. Neill, M. C. Piccolo and D. Garcia).
2002. Variability of soil microbial biomass carbon in different pasture restoration systems in Rondônia, Brazil. Poster presented at the LBA Science Meeting, Manaus, Brazil, July 7-10. (K. C., M. C. Piccolo, B. J. Feigl, C. C. Cerri, C. Neill, J. M. Melillo, P. A. Steudler and D. C. Garcia).
2002. Changes to inorganic nitrogen in soil solution following forest clearing for pasture in Rondônia. Poster presented at the LBA Science Meeting, Manaus, Brazil, July 7-10. (Cassiolato, M. E., M. C. Piccolo, C. Neill and C. C. Cerri)
2002. Neill, C., P. A. Steudler and M. C. Piccolo. Control of N₂O and N₂ emissions from Amazonian pastures under intensified use: Availability of nitrogen, carbon and the effects of soil tillage. Poster presented at the LBA Science Meeting, Manaus, Brazil, July 7-10.
2002. C. Neill, L. A. Deegan, A. V. Krusche, S. M. Thomas, M. V. Ballester, and R. L. Victoria. Land use change alters the biogeochemistry and downstream movement of nitrogen in small drainage basins. Talk presented at the LBA Science Meeting, Manaus, Brazil, July 7-10.
2002. Rates and controls of nitrogen oxide emissions from soils following deforestation for pasture in Rondônia, Brazil. Invited lecture in the symposium, Land-Use Change and Greenhouse Gas Emissions, Soil C and Nutrient Cycling in the Tropics, Tsukuba, Japan, February 21-23. 2002. Three segments highlighting my research were broadcast on the National Public Radio program, "Earth and Sky." The first was on methane emissions from Amazon forests and pastures, the second was on the effect of Amazon deforestation on stream chemistry, the third was on the future consequences of intensification of agriculture in the Amazon. Broadcast in January.
2002. Deforestation and the future of the Amazon. Lecture to the Cape Cod Group of the Sierra Club, Barnstable, MA, January 22.
2001. Deforestation and the future of the Amazon. Invited lecture, Massachusetts Chapter, Sierra Club, Boston, MA, June 15.
2001. Restoration of coastal shrublands and grasslands on the Cape and Islands. Norfolk Medical Society, Needham, MA. April 25.
2001. Deforestation, ecosystem science and the future of the Amazon, Department of Geography, Boston University, April 6.

2001. Deforestation and the future of the Amazon, Guest lecture to Connecticut science teachers education program in Woods Hole. March 2.
2001. Restoration of coastal shrub and grasslands on the Cape and the Islands. Invited lecture, Maria Mitchell Association, Nantucket, MA. January 26
2001. Deforestation and the future of the Amazon, Maria Mitchell Association, Nantucket, MA. January 12
2000. Deforestation, ecosystem science and the future of the Amazon. The Ecosystems Center 25th Anniversary Celebration, Woods Hole, MA. Oct. 14
2000. The ecosystem consequences of deforestation for pasture in Rondônia. Ecological Society of America, Snowbird, UT. August 8.
2000. Linking changes in ecosystem structure to changes in water balance and nitrogen retention during shrub and grassland restoration on Martha's Vineyard. 2000 Pine Barrens Research Forum, Brookhaven National Laboratory, Upton, NY.
2000. Links between soil biogeochemistry and water chemistry following deforestation for pasture in small watersheds in Rondônia. First LBA Scientific Conference, Belem, Brazil. June 27.
1999. Soil warming experiments at Abisko, Sweden. Soil Warming Workshop, National Center for Ecological Analysis and Synthesis, Santa Barbara, CA. February 1-5.
1999. Nitrogen cycling responses to elevated temperature and CO₂. Invited talk. GCTE conference on how nutrient cycles constrain carbon balances in boreal forests and arctic tundra, June 15-18, Abisko, Sweden.
1999. Links between soil nutrient cycling, deforestation and water chemistry in small Amazonian streams. North American Benthological Society, May 25-28.
1999. Links between deforestation, soil nutrient cycling and water chemistry in Amazonian streams. Ecological Society of America, August 8-12.
1998. Links between soil nutrient cycling and surface water chemistry following deforestation in the Brazilian Amazon. Invited seminar, Division of Biology, Kansas State University, April 3.
1997. Nitrogen dynamics immediately following cutting and burning of tropical forest for pasture in Rondônia. Ecological Society of America, Albuquerque, NM, August 10-14.
1997. Factors influencing soil carbon accumulation or loss following deforestation for pasture in the Brazilian Amazon. Invited talk, Carbon pools and dynamics in tropical ecosystems, Belem, Brazil, December 1-5.
1996. Changes to nitrogen cycling caused by deforestation for pasture in Rondônia. InterAmerican Institute for Global Change Research Workshop, "The Biogeochemical Consequences of Land Use Change in the Western Brazilian Amazon Basin, December 9-13, Cuiabá, MT, Brazil.
1996. Links between soil nutrient dynamics and stream biogeochemistry following deforestation in the Brazilian Amazon. Ecological Society of America, Providence, RI, August 11-15.
1996. Restoration of biogeochemical functioning in forests regrowing on abandoned pastures in the Brazilian Amazon. Ecological Society of America, Providence, RI, August 11-15.
1995. The vernal flood: how spring inundation controls plant production in prairie marshes. Society of Wetland Scientists, Cambridge, MA, May 29-June 1.
1994. Changes to soil carbon and nitrogen stocks and cycling rates following forest conversion to pasture in the Brazilian Amazon Basin. Ecological Society of America, August 7-11.

1994. Changes to soil carbon nitrogen stocks and nitrogen cycling rates caused by forest conversion to pasture in the Brazilian Amazon Basin. First GCTE Science Conference, Woods Hole, MA, May 23-27.
1993. The fate of the forest soil: implications of deforestation in the Brazilian Amazon for global climate change and the sustainability of tropical agriculture. Invited lecture, Bard College, Annandale, NY. July 30.
1991. Comparison of factors controlling emergent plant production in inland saline marshes and coastal salt marshes. Estuarine Research Federation, San Francisco, CA, November 10-14.
1991. Control of emergent plant production in saline prairie marshes: do they behave like coastal salt marshes? New England Estuarine Research Society, Yarmouth, NS, May 2-4.
1990. The effect of early spring flooding on nitrogen availability and plant biomass in a prairie marsh. Ecological Society of America, Snowbird, UT, July 29-August 2.
1987. Nitrogen limitation along a water depth gradient in a Manitoba prairie marsh. The Ecosystems Center, Marine Biological Laboratory, Woods Hole, MA, December 15, 1987.
1987. Backfilling canals to mitigate canal dredging in Louisiana coastal marshes. Estuarine Research Federation, New Orleans, LA, October 26-30.
1985. Backfilling canals to create habitat for wintering waterfowl. Waterfowl in winter: a symposium and workshop, Galveston, TX, January 7-10.
1984. A comparison of the fish communities in open and plugged backfilled canals in Louisiana coastal marshes. Gulf Estuarine Research Society, Galveston, TX, October 25-27.
1984. Cyclical succession in wetlands of the Mississippi River deltaic plain. Ecological Society of America, Fort Collins, CO, August 6-9.
1984. Backfilling to mitigate the effects of oil and gas dredging in coastal Louisiana. Gulf Estuarine Research Society, Dauphin Island, AL, May 17-19.

LOCAL SERVICE:

- 1994 - present. Write monthly op-ed column on environmental issues for *The Enterprise*, local newspaper in Falmouth, MA.
2004. Outstanding achievement award, Massachusetts Chapter of the Sierra Club.
- 2003- present. Board of Directors. Falmouth Associations Concerned with Estuaries and Salt Ponds, a local community group.
- 2003- present. Board of Directors and Science Advisory Board, Association to Preserve Cape Cod, a local environmental group
- 2002-present. Coonamessett River Park Coalition, Steering Committee.
- 1996-2003. Chairman, Cape Cod Group of the Sierra Club.
- 2001-present. 300 Committee Land Trust: Communications Committee, Capital Campaign Planning Committee.
- 1998 - 2000. Member of Executive Committee, Massachusetts Chapter of the Sierra Club.
- 1987 - 1989. Chairman, Solid Waste Planning Committee, Town of Wendell, MA.
- 1986-1989. Associate Member, Conservation Commission, Town of Wendell, MA