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October 25, 2021

Via Email and Hand Delivery

Inland Wetlands Commission
Town Hall Annex
238 Danbury Road
Wilton, CT 06897
Attn: Mr. Mike Conklin – Director of Environmental Affairs

Re: Connecticut Humane Society – Application for Significant Regulated Activity Permit (WET#2724)
Premises: 863-875 Danbury Road, Wilton, CT

Dear Mr. Chairman and Members of the Commission:

As attorney for Connecticut Humane Society (“CHS”), we enclose eleven (11) copies each of the following in response to comments and questions made at the Commission’s October 14th public hearing and subsequently, by members of the public:

1. Letter from Environmental Land Solutions, LLC (“ELS”) to the Commission dated October 25, 2021.
2. Department of Environmental Protection (“DEEP”) letter to ELS dated October 22, 2021.
3. Quinn Ecological, LLC Eastern Box Turtle Protection Report (“**Box Turtle Protection Report**”).
4. Curriculum Vitae of Dennis P. Quinn.

Inland Wetlands Commission
October 25, 2021
Page 2 of 2

At the Commission's request, we will add the conditions set forth in the DEEP letter and Box Turtle Protection Report to the Redniss & Mead Site Plans and the ELS Landscape Plan, as applicable, as conditions of approval.

Respectfully submitted,
Gregory and Adams, P.C.

By: *James D'Alton Murphy*
James D'Alton Murphy

JD'AM/ko

Enclosures

cc: Mr. James Bias – Connecticut Humane Society

Mr. Thomas Quarticelli, Mr. Michael Tyre and Ms. Debra Seay – Amenta Emma Architects

Mr. Michael Galante and Mr. Steve Cipolla – Hardesty & Hanover

Mr. Craig Flaherty and Mr. Vincent Hynes – Redniss & Mead

Ms. Kate Throckmorton – Environmental Land Solutions

M:\Clients\Connecticut Humane Society\2021 Applications to Inlands and Planning and Zoning Commissions\Response to IWC
10-14-21 hearing comments\IWC Ltr Response to 10-14-21 hearing comments (2).doc

Environmental Land Solutions, LLC

Landscape Architecture & Environmental Planning

8 Knight Street, Suite 203, Norwalk, CT 06851

Tel: (203) 855-7879 Fax: (203) 855-7836

October 25, 2021

Inlands Wetlands and Watercourses Commission
Town of Wilton
238 Danbury Road
Wilton, CT 06897

Re: Connecticut Humane Society – Application for a Significant Regulated Activity
863 Danbury Road, Wilton, CT

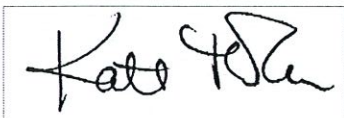
Dear Mr. Murphy:

Following inquiries at the public hearing of October 14, 2021, a Natural Diversity Data Base (NDDDB) application was made to the DEEP and the results revealed that the Eastern Box Turtles (*Terrapene carolina carolina*), a Species of Special Concern, has been documented near the proposed project site. A recheck of the June 2021 DEEP maps highlighted the site on this map. The DEEP response letter dated October 22, 2021 provides the protective measures that are needed during construction. These measures shall be incorporated into the site plans and construction sequence prepared by Redniss & Mead.

In addition ELS staff performed a site visit with Dennis P. Quinn, of Quinn Herpetology on October 23, 2021. Mr. Quinn, has provided additional information (attached), in the way of history, protection and habitat improvements for the project that will be incorporated into the ELS plans on habitat maintenance. We suggest this information be added to the final site plans as a condition of approval.

In addition, we have reviewed the photos submitted by Eileen Fitzgerald on 10/21/21. We note these photos were likely taken around February, during a period when the ground is frozen and a thaw and/or rain event had just occurred. These photographs do not change the October 14, 2021 meeting testimony that the site contains no vernal pools. A depression that supports lawn grasses is not congruent with a vernal pool hydro-period or habitat that is needed to supports amphibian breeding.

Sincerely,



Kate Throckmorton, ASLA
Landscape Architect
Professional in Erosion and Sediment Control
Certified NOFA Professional
Danbury Road 863-wilton-ltr2.wpd



Matthew J. Popp, ASLA
Professional Wetland Scientist
Landscape Architect



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www.ct.gov/deep

Affirmative Action/Equal Opportunity Employer

October 22, 2021

Kate Throckmorton
Environmental Land Solutions, LLC
8 Knight St, Suite 203
Norwalk, CT 06851
kate@elsllc.net

NDDB DETERMINATION NUMBER: 202110883

Project: Removal of existing buildings and construction of one new building with related stormwater and parking facilities; 863 Danbury Rd in Wilton

Expiration Date: October 22, 2023

I have reviewed Natural Diversity Data Base (NDDB) maps and files regarding this project. According to our records, there are State-listed species (RCSA Sec. 26-306) documented nearby the proposed project area.

Eastern box turtle (*Terrapene carolina carolina*)- State Special Concern

In Connecticut, these turtles are found in well-drained forest bottomlands and a matrix of open deciduous forests, early successional habitat, fields, gravel pits, and or powerlines. Turtles are dormant between November 1 and April 1 and hibernate in only a few inches from the surface in forested habitat.

The greatest threat to this species is habitat loss, fragmentation, and degradation due to development. This species is very sensitive to adult mortality because of late maturity (10 years old) and long life span (50-100years). Vehicular traffic, heavy equipment used for farming, and ATV use in natural areas are implicated specifically in adult mortality through collisions. Illegal collection by the pet trade and unknowing public for home pets exacerbates mortality rates and removes important individuals from the population. Predation rates are also unnaturally high because of increased predator populations (e.g. skunks, foxes, raccoons, and crows) that surround developed areas.

Apply time of year restrictions as appropriate for the habitat types in which you will be conducting work.

- Any construction that involves ground disturbance in **forested habitat** should be done during the active season, which is April 1 through Oct. 31 to avoid killing dormant animals.

For all work conducted during the active season (April 1- Oct 31):

- **Install exclusionary practices to prevent any turtle access into disturbance areas.** These measures will need to be installed at the limits of disturbance as shown on the plans, and also include areas of staging and storage.
- Exclusionary fencing be at least 20 in tall and must be secured to and remain in contact with the ground and be regularly maintained (at least bi-weekly and after major weather events) to secure any gaps or openings at ground level that may let animal pass through.
- All work areas including staging and storage areas, outside of previously paved locations, regardless of the duration of time they will be utilized, must be reviewed to remove individuals and exclude them from re-entry.

- All construction personnel working within the turtle habitat must be apprised of the species description and the possible presence of a listed species.
- Any turtles encountered within the immediate work area shall be carefully moved to an adjacent area outside of the excluded area and fencing should be inspected to identify and remove access point. These animals are protected by law and no turtles should be relocated from the site.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Bureau of Natural Resources and cooperating units of DEEP, independent conservation groups, and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the NDDB should not be substituted for on-site surveys required for environmental assessments. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated in the NDDB as it becomes available.

Please contact me if you have any questions (shannon.kearney@ct.gov). Thank you for consulting with the Natural Diversity Data Base and continuing to work with us to protect State-listed species.

Sincerely,

/s/ Shannon B. Kearney
Wildlife Biologist



Eastern Box Turtle (*Terrapene c. carolina*) Habitat Assessment with Recommended Species
Protection and Mitigation Measures

Removal of Existing Buildings and Construction of One New Building with Related Stormwater
and Parking Facilities

863 Danbury Rd

Wilton, Connecticut

NDDB DETERMINATION NUMBER: 202110883

Prepared by:

Dennis P. Quinn – Owner/Herpetologist

Quinn Ecological, LLC

Eastern Box Turtle

Eastern box turtles approach their northeastern range limit in Connecticut, primarily inhabiting low-lying portions of the State below 500 feet (152 m). This turtle becomes increasingly scarce at higher elevations between 500 feet (152 m) and 1,000 feet (305 m) and all but absent at elevations over 1,000 feet (305 m) (Klemens et al, *in press*). Their core distribution occurs in the southern half of Connecticut, with a northward extension in the Central Connecticut Lowland into central Massachusetts. Its stronghold remains in central and western Connecticut (i.e., Fairfield, Hartford, Middlesex and New Haven counties).

The eastern box turtle uses a mosaic of habitats seasonally, within a small home range. During the spring and early summer months, they favor early and late successional habitats and are often found along the edges of wetlands and small streams, with a shift to forested habitats during the late summer and fall seasons (Quinn 2008 and Quinn et al, 2011). Nesting occurs in sparsely vegetated early successional habitat, and hibernation occurs almost exclusively in forested uplands (Quinn et al, 2011 and Nicholson et al, 2020).

The ecological data for eastern box turtles show that while reports of individual turtles are increasing, viable populations of this species continue to decline within the State (Klemens et al, *in press*). This is in part because eastern box turtles can persist in fragmented habitats longer than other species of turtles, such as, wood turtles (*Glyptemys insculpta*) and spotted turtles

(*Clemmys guttata*) because of their small home ranges and less complex ecological requirements.

Habitat Assessment Results

Dennis Quinn of Quinn Ecological, LLC conducted a one-day habitat assessment at the subject property located at 863 Danbury Road in Wilton, Connecticut on October 23rd, 2021. This assessment was focused on documenting habitats suitable to support a population of the state listed eastern box turtle as documented in NDDDB Determination No.: 202110883.

The site consisted of a mix of early successional, forest and wetland habitats, a mosaic of habitats known to be favored by the eastern box turtle. The forested habitat was experiencing significant fragmentation from roads and residential development resulting in edge effect impacts, including the encroachment of invasive plant species. The character of the forest, being steeply sloped and rocky, adjacent to the project site is not characteristic of forest habitat used by box turtles. The forested habitat at the southern portion of the project site is more characteristic of forested habitat used by eastern box turtles.

The early successional and wetland habitats have either been created or significantly altered as a result of anthropogenic activities. Although suitable for box turtles, these habitats can be enhanced for foraging, basking and egg deposition activities.

Conclusions

A single report of an eastern box turtle at this site was made in 2009 and although no eastern box turtles were observed during the habitat assessment, detection of this species during the early/mid-fall season is extremely difficult. With the recent drop in night-time temperatures into the mid-40°F, many box turtles have begun excavating their over-wintering forms across Connecticut (data from two on-going radio-telemetry studies in Connecticut) and are no longer visually detectable.

Although a single occurrence of box turtle was reported in 2009 in close proximity to the project site, this turtle likely represents a remnant population and not a thriving population of eastern box turtles. This is due to the highly fragmented landscape immediately adjacent to the project area. This level of fragmentation leads to increases in mortality events including vehicular strikes and activities associated with lawn maintenance, specifically lawn mower strikes, which overtime leads to reduced population numbers and viability.

It is not anticipated that the proposed re-development at 863 Danbury Road will cause any additional impacts to this population if the appropriate construction protection measures are implemented. This project may offer an opportunity to improve the current site conditions through the enhancement of both wetland and early/late successional habitats onsite. However, even with these enhancements, I do not anticipate long-term viability for this box turtle population due to the existing threats from current land-use activities and threats.

Recommended Species Protection Measures

Habitat Enhancement Recommendations

1. Proceed with the daylighting and planting plan for the existing watercourse. This plan will make available additional wetland habitat for potential use by eastern box turtles during the early spring and summer months. This planting plan should incorporate a seasonal maintenance plan to maintain the early/late successional character of this habitat, but not interfere with turtles using this habitat during the active season between April 15th and November 15th. This maintenance plan should also not jeopardize the vegetation's role in stream bank stabilization.
2. In the existing cleared area to the southwest of the project site, an early successional meadow should be established. Prior to the establishment of this meadow, all existing gravel should be removed. This area should be planted with New England Conservation/Wildlife Seed Mix available at New England Wetland Plants, Inc. In addition to the conservation mix, approximately 25 low-growing native shrubs should be planted in five clusters throughout the meadow. This will afford additional cover and thermoregulatory opportunity for box turtles using this meadow. A herpetologist familiar with eastern box turtle habitat use should be onsite to guide to the placement of these shrubs. This planting plan should incorporate a five-year maintenance plan to maintain the early/late successional character of this habitat, but not interfere with turtles using this habitat during the active season between April 15th and November 15th.

Construction Species Protection Measures

To reduce impacts to eastern box turtles during the construction phase of the proposed project the following species protection measures are recommended.

1. Isolation Measures

- a. Installation of exclusionary fencing (i.e., contractor grade silt fencing), should be installed as a barrier to migrating/dispersing herpetofauna.
- b. The intent of the barrier is to isolate the majority of the work zone from foraging/migrating/dispersing herpetofauna. Oftentimes complete isolation of a work zone is not feasible due to accessibility needs. In these circumstances all openings in the isolation barrier, used during the workday for accessibility, should be closed with temporary silt fencing backed with hay bales at the completion of each day.
- c. The fencing should consist of non-reinforced conventional erosion control woven fabric, installed approximately six inches below surface grade and staked at seven to ten-foot intervals using four-foot oak stakes or an approved equivalent. In areas where the silt fence cannot be buried, the fencing should be placed with the unburied flap facing away from the construction

area and covered with six inches of crushed stone. The Contractor is responsible for daily inspections of the fencing for tears or breaches in the fabric and accumulation levels of sediment, particularly following storm events of 0.25 inch or greater. All compromised areas of silt fence must immediately be repaired. A qualified herpetologist monitor should follow-up with these daily inspections on a weekly basis. The extent of the barrier fencing should be as shown on the site plans. The Contractor should have available additional barrier fencing should field conditions warrant extending the fencing as directed by the herpetologist.

d. No equipment, vehicles or construction materials should be stored outside of the exclusionary barrier fencing.

e. All silt fencing should be removed after the permanent site barrier is constructed.

2. Contractor Education

a. Prior to work on site, the Contractor shall attend an educational session at the preconstruction meeting with a qualified herpetologist. This orientation and educational session will consist of an introductory meeting providing photos of herpetofauna that may be encountered during construction activities, including the eastern box turtle.

b. The education session will also focus on means to discriminate between the species of concern and other native species to avoid unnecessary "false alarms". Encounters with all species will be documented by the herpetologist.

c. The Contractor will be provided with cell phone and email contacts for the herpetologist to immediately report any encounters with listed species, or other herpetofauna species. Educational poster materials will be provided and must be displayed on the job site to maintain worker awareness as the project progresses.

3. Reporting

a. Following completion of the construction project, a summary report to the CTDEEP documenting the monitoring and maintenance of the barrier fence and erosion control measures should be completed by the herpetologist.

b. Any observations of state listed species will be reported to CTDEEP by the herpetologist with photo-documentation (if possible) and with specific information on the location and disposition of the animal.

Literature Cited

Klemens, M.W., H.J. Gruner, D.P. Quinn and E. R. Davison. *In press. Conservation of Amphibians and Reptiles in Connecticut*. State Geological and Natural History Survey of Connecticut Bulletin.

Barbara J. Nicholson, Quinn D. P., Rivadeneyra M.A. 2020. Post-natal Movement, Habitat Use, and Hibernacula Selection of Eastern Box Turtles (*Terrapene carolina carolina*) in Southern New England. *Northeastern Naturalist*. 27(2):358-380.

Quinn, D.P. 2008. "A radio-telemetric study of the eastern box turtle (*Terrapene carolina carolina*): home range, habitat use, and hibernacula selection in Connecticut." M.A. Thesis,

Quinn, D.P., H.J. Gruner, and S. Cronkite. 2017. *Eastern box turtle and eastern hog-nosed snake final monitoring report 2011*. Parsons Transportation Group Project 18-113/129 U.S. Route 7 Bypass, Brookfield, Connecticut. Connecticut Department of Transportation.

Dennis P. Quinn

40 Pine Street
Plantsville, CT 06479
Phone: (203) 430-7830
E-mail: dennis@quinnecological.com
www.QuinnEcological.com

EDUCATION

University of Massachusetts, Amherst, MA.

- New England Regional Soil Science Certificate Program. (2014)

Central Connecticut State University (CCSU), New Britain, CT.

- Masters in Ecology and Environmental Science. Thesis research: Radio-telemetry of eastern box turtles to determine home-range, habitat use and hibernacula selection in CT. (2008)
- Bachelors in Biology with a concentration in Ecology, Biodiversity and Evolutionary Biology. (2002)

Recognized Qualified Bog Turtle Surveyor - Housatonic/Hudson Recovery Unit - United States Fish & Wildlife Service

PADI Certified Scuba Diver. (1999)

EMPLOYMENT

Owner – Quinn Ecological, LLC. Plantsville, CT. (2007 – present)

Quinn Ecological, LLC was founded as CTHerpConsultant, LLC in 2007 to facilitate the pursuit and passion I have for amphibian and reptile research, conservation and preservation. A wide variety of ecological services are offered Quinn Ecological, LLC, ranging from general wildlife and habitat characterization surveys, to detailed environmental impact assessments complete with land use planning, mitigation design and monitoring. I have worked directly with a variety of listed species, ranging from the State Endangered diploid blue-spotted salamander and eastern spadefoot, to the Federally Threatened bog turtle. I currently serve as the consulting herpetologist for the Connecticut Department of Energy and Environmental Protection under contract with the Wildlife Management Institute, where I coordinate state and northeast regional amphibian and reptile research and conservation projects associated with both the Regional Conservation Needs and State Wildlife Grant programs.

Creator and maintainer of www.ctherpetology.com: A photographic atlas to the amphibians and reptiles of Connecticut and all Social Media Platforms associated with this page to raise awareness of amphibian and reptile conservation in New England.

Wildlife Photographer – photographs can be viewed at www.dennisquinnphotography.com

Associate Scientist, Parsons Corporation East Berlin, CT. (2005 - 2007)

- Radio-telemetric study of eastern box turtles and eastern hog-nosed snakes for ConnDOT CT Route 7 Bypass. Responsible for data collection, terrestrial mitigation design, assist with culvert design and placement, data analysis, and report preparation.
- Northern slimy salamander presence/absence survey for ConnDOT CT Route 7 Bypass. Responsibilities included field surveys and assist in report preparation.

Environmental Scientist, Maguire Group Inc. New Britain, CT. (2005)

- Field surveys for proposed Route 11 corridor and assisted in preparation of the environmental impact statement.
- Impact Assessment for emergency by-pass pipeline, data analysis, technical writing and mitigation planning.

Herpetological Field Surveyor, Farmington River Watershed and Wildlife Conservation Society (2002)

- Surveyed local reptile and amphibian populations throughout the Farmington River Valley. Identification, data collection, photography.

EMPLOYMENT IN EDUCATION

Instructor, Central Connecticut State University, New Britain, CT. (2021 – present)

Bio 490/590 - Herpetology

Technical Advisor, CCSU New Britain, CT. (2011 - present)

- Serve as a technical research advisor to undergraduate and graduate students working on research in the field of herpetology.
- Graduate Thesis Committee – serve as an expert committee member for herpetological theses.

Adjunct Instructor, Naugatuck Valley Community College Waterbury, CT. (2004 - present)

Courses Taught:

Bio 105 Introductory Biology - Lec/Lab

Bio 171 Field Biology - Lec/Lab

Bio 145 General Zoology - Lec/Lab

Environmental Science Instructor, Post University Waterbury, CT. (2006)**Courses Taught:**

Bio 134 General Biology - Lab

Bio 200 Ecology - Lec

Env 200 Sustainable Development - Lec

Env 230 Environmental Policy - Lec

Received honors for outstanding service to students in environmental science instruction.

Graduate Teaching Assistant, CCSU New Britain, CT. (2003)**Courses Taught:**

Bio 121 General Biology I - Lab

Bio 202 Principles of Ecology and Evolution - Lab

PUBLICATIONS

- Barbara J. Nicholson, Quinn D. P., Rivadeneyra M.A. 2020. Post-natal Movement, Habitat Use, and Hibernacula Selection of Eastern Box Turtles (*Terrapene carolina carolina*) in Southern New England. *Northeastern Naturalist*. 27(2):358-380.
- Licitra, D., D. Quinn, J. Reeder, T. Gavitt, J. Dickson, B. Hess, B. Mangold, A. Tuttle, A. Rosas-Rosas, S. Frasca, and S. Szczepanek. 2019. "Snake Fungal Disease in Colubridae Snakes in Connecticut, 2015-2017." *J Wildl Dis.* 55, no. 3 (July): 658-662.
- Schlesinger MD, Feinberg JA, Nazdrowicz NH, Kleopfer J, Beane JC, Bunnell JF, et al. (2018) Follow-up ecological studies for cryptic species discoveries: Decrypting the leopard frogs of the eastern U.S. *PLoS ONE* 13(11): e0205805. <https://doi.org/10.1371/journal.pone.0205805>
- Schlesinger, M.D., J.A. Feinberg, N.H. Nazdrowicz, J.D. Kleopfer, J. Beane, J.F. Bunnell, J. Burger, E. Corey, K. Gipe, J.W. Jaycox, E. Kiviat, J. Kubel, D. Quinn, C. Raithel, S. Wenner, E.L. White, B. Zarate, and H.B. Shaffer. 2017. Distribution, identification, landscape setting, and conservation of *Rana kauffeldi* in the northeastern U.S. Report to the Wildlife Management Institute for Regional Conservation Needs grant RCN 2013-03. Available from New York Natural Heritage Program, Albany, NY.
- Quinn, D., H. Gruner, and S. Cronkite. 2017. Eastern box turtle and eastern hog-nosed snake final monitoring report 2011. Parsons Transportation Group. Project 18-113/129. U.S. Route 7 Bypass, Brookfield, Connecticut. Connecticut Department of Transportation
- Quinn, D. 2016. *Macrophotography: Capture Larger-Than-Life Photographs of Nature's Smallest Subjects*. Amherst Media, Inc. Buffalo, NY.
- Gruner, H. and Quinn, D. 2012. Project 18-113/129 U.S. Route 7 Bypass Brookfield, Connecticut, Slimy Salamander (*Plethodon glutinosus*) Ridge-wide Habitat Study, Kent to Bethel, Connecticut. Connecticut Department of Transportation, Newington, CT.
- Quinn, D. 2011. The Timber Rattlesnake: A Modern Day Legend. *Connecticut Wildlife*. Volume 31, No. 1, Jan/Feb 2011.
- Quinn, D., H. Gruner, and S. Cronkite. 2010. Eastern box turtle and eastern hog-nosed snake final monitoring report 2011. Parsons Transportation Group. Project 18-113/129. U.S. Route 7 Bypass, Brookfield, Connecticut. Connecticut Department of Transportation
- Quinn, D. 2009. Project 131-190 Removal of Bridge No. 00518 and Intersection Improvements Route 10 and Route 322 Southington, Connecticut: Eastern Box Turtle and Wood Turtle Presence/Absence Surveys and Report. Connecticut Department of Transportation, Newington, CT.
- Quinn, D. 2008. A radio-telemetric study of the Eastern Box Turtle (*Terrapene carolina carolina*) home range, habitat use, and hibernacula selection in Connecticut. M. Sc Thesis. Central Connecticut State University, New Britain, CT. 84 pp.

PRESENTATIONS, RADIO and VOLUNTEER WORK**Seminars:**

- Mystic Aquarium. CT Amphibians and Reptiles and their Conservation Challenges. (2015)
- WNPR Where We Live hosted by John Dankosky Everything You Want to Know About Turtles. (2014)
- WNPR An Atlas to Track Connecticut Critters that Slither, Hop and Crawl. (2014)
- UCONN Department of Pathobiology and Veterinary Science Seminar Series. CT Amphibians and Reptiles and their Conservation Challenges. (2014)
- CT Department of Energy and Environmental Protection. CT Salamanders and their Conservation Challenges. (2014)

- CT Department of Energy and Environmental Protection. *Natural History of the Northern Copperhead*. (2013)
- CT Department of Energy and Environmental Protection. *Natural History of the Hog-nosed Snake*. (2013)
- Simsbury Land Trust 25th Anniversary Celebration. *Connecticut Reptiles and Amphibians*. (2006)
- Biological Sciences Seminar Series. CCSU. *Land Management and Conservation Strategies for the Reptiles and Amphibians of the Farmington River Valley* (2002)

Volunteer:

Nutmeg Big Brothers Big Sisters. Big Brother Mentor. (2007 – 2010)

Regional Water Authority. A Walk with Connecticut's Reptiles and Amphibians. Pine Hill Recreational Area. (2010)

Connecticut Bio Blitz.

- Kency Park and Goodwin College. Hartford, CT. (2009)
- Wilbert Snow School. Middletown, CT. (2007)
- Two Rivers Magnet School. East Hartford, CT. (2005)

Wethersfield Nature Center. Reptile Day. Gave interactive talk with school children on reptiles and amphibians. (2005)

Simsbury Land Trust. Educational walk on vernal pools and the fauna that depend on them for survival. (2003, 2004 & 2005)

COMPUTER EXPERIENCE

Microsoft Office: Word, Excel, Access, Power Point; PC-ORD, ArcGIS, Graphical Analysis, Sigma Plot, Adobe Photoshop.

AWARDS and HONORS

Leeds M. Carluccio Award: For outstanding student service and leadership in Biological Sciences (2002)

Member Tri-beta National Honor Society (2002)

REFERENCES

Dr. Michael Klemens. Research Associate in Herpetology. American Museum of Natural History. fenbois@aol.com.
(203) 448-8068.

Mr. Hank Gruner, Vice President of Programs (Retired). Connecticut Science Center, Hartford, CT. grunerhank@gmail.com
(860) 712-1308.

Ms. Jenny Dickson, Supervising Wildlife Biologist. Connecticut Department of Energy and Environmental Protection
Burlington, CT. jenny.dickson@ct.gov (860) 424-3114