



Mid-Atlantic Chapter

19 April 2008



Meeting Program

(Revised Version)

Meeting at a Glance

Morning activities

| | | |
|-------|---|-------------|
| 8:00 | Breakfast / Registration / Poster Set-up | BREIS foyer |
| 8:45 | Welcome (K. Klemow / M. Steele / R. Verret) | BREIS 106 |
| 9:00 | Plenary Presentation (Katriona Shea) | BREIS 106 |
| 9:45 | Break | BREIS foyer |
| 10:00 | Oral Session I – Invasive Species | BREIS 106 |

Mid-day activities

| | | |
|-------|--|-------------------|
| 11:45 | Lunch | HSC Ballroom |
| 12:45 | Business meeting / Informal poster viewing | BREIS 108 / foyer |

Afternoon activities

| | | |
|------|-----------------------------------|-------------|
| 1:30 | Oral Session II – Animal Ecology | BREIS 106 |
| 1:30 | Oral Session III – Plant Ecology | BREIS 108 |
| 3:00 | Break | |
| 3:15 | Oral Session IV – Applied Ecology | BREIS 106 |
| 3:15 | Oral Session V – Aquatic Ecology | BREIS 108 |
| 4:45 | Poster Pub Session | BREIS foyer |

Evening activities

| | | |
|------|-----------------------------------|--------------|
| 6:15 | Dinner | HSC Ballroom |
| 7:00 | After dinner speaker (Dale Bruns) | HSC Ballroom |
| 7:45 | Concluding comments / adjourn | HSC Ballroom |

Co-hosted by:



Wilkes Institute for Environmental Science



Mid-Atlantic Chapter

19 April 2008



Meeting Program

Detailed Session Program

Morning activities

8:00 A.M. Breakfast / Registration / Poster Set-up (BREIS foyer)

8:45 A.M. Welcoming comments (BREIS 106)

KENNETH KLEMOW – Chair, MAESA

MICHAEL STEELE – Chair, Biology Department, Wilkes University

REYNOLD VERRET – Provost, Wilkes University

9:00 A.M. Plenary Presentation (BREIS 106)

KATRIONA SHEA (The Pennsylvania State University). *Changing environments and invasion ecology.*

9:45 A.M. Break (BREIS foyer)

10:00 A.M. Oral Session I – Invasive Species (BREIS 106)

10:00 A.M. MCFARLANE, W.J.* *Intertidal crabs may influence periwinkle shell morphology and population size in Western Long Island Sound.*

10:15 A.M. REGAN, A.* & W.J. MCFARLANE. *Assessing the coincidence of water turbidity and distribution of immature Asian shore crabs (Hemigrapsus sanguineus) at four sites along the northern coast of Long Island Sound*

10:30 A.M. HECKMAN, R.W.* & D.E. CARR. *The effects of disturbance and community diversity on the success of an exotic forb in a Virginia grassland*

10:45 A.M. GIUSTI, D. & N. TODD* *Experimental removal of Japanese Knotweed (Fallopia japonica) in the Manhattanville College Environmental Park*

11:00 A.M. BOJDANI, E.*, B. GRAF, E. NOWICKI, & J. MORRISON. *Have invasive Andropogon virginicus plants from Hawaii evolved to be more competitive than their native counterparts from eastern North America?*

11:15 A.M. BERARDI, R.* & N. TODD. *Nest distribution and population estimates of Monk Parakeets (Myiopsitta monachus) in the towns of West Haven, Stratford and Milford, CT*

11:30 A.M. LANGKILDE, T. *Invasive fire ants provide insight into the evolution of antipredator strategies.*

Mid-day activities

11:45 A.M. Lunch (HSC Ballroom)

12:45 P.M. Business meeting (BREIS 108) / Informal poster viewing (BREIS foyer)

Afternoon activities

1:30 P.M. Oral Session II – Animal Ecology (BREIS 106)

- 1:30 P.M. MEYER, E.R.* *How extensive is trophic cascade in the Mid-Atlantic region? How an amphibian study reflects trophic cascade conditions.*
- 1:45 P.M. BROTHERTON, T.* , K. ALIAGA, & G. RUSSELL. *Island biogeography with active dispersal*
- 2:00 P.M. CHARLES, S.* , C. AGARD*, M. GOODE, & G. MIDDENDORF. *Demographics of two Sceloporus spp. (Spiny Lizards) in three adjacent micro-canyons in the Chiricahua National Monument of southeastern Arizona and the relationship to floral and insect prey composition.*
- 2:15 P.M. WALSH, B.* , K.M. DOUGHERTY, & G.R. PLAGUE. *Movin' on up: negative geotaxis in rice and maize weevils*
- 2:30 P.M. MONTELLO, M. & N. TODD.* *The potential for disruption of aggressive behavior in female Betta splendens by environmental estrogens*
- 2:45 P.M. STRATFORD, J. A.* and W.D. ROBINSON. *Increased urbanization decreases fitness of Eastern Bluebirds (Sialia sialis)*

1:30 P.M. Oral Session III – Plant Ecology (BREIS 108)

- 1:30 P.M. MAJETIC, C.J.* , R.A. RAGUSO, & T.L. ASHMAN. *Evaluating the relationships between pollinator behavior, floral scent, and female fitness in a flower-color polymorphic plant Hesperis matronalis.*
- 1:45 P.M. JOHNSON, S.E.* & M.D. ABRAMS. *Age class, longevity and growth rate relationships: Evidence for increasing growth*
- 2:00 P.M. LOWERY, D.* & A. GRIFFITH. *Ecological and vegetation responses from two dam removals in a tidal wetland system*
- 2:15 P.M. FETCHER, N.* and T. J. IACOVONI. *Carbon gain in the understory of eastern deciduous forest.*
- 2:30 P.M. HOQUE, T.* & A. GRIFFITH. *Effects of the population density on seed predation and seed loss of Aeschynomene virginica, a rare, tidal, wetland annual.*
- 2:45 P.M. ROYO, A.A.* & S. STOUT. *Landscape level impacts of deer browsing on understory vegetation: indicator species and legacy effects.*

3:00 P.M. Break (BREIS foyer)

3:15 P.M. Oral Session IV – Applied Ecology (BREIS 106)

- 3:15 P.M. BRUNS, D. *Geospatial watershed analyses for an American Heritage River.*
- 3:30 P.M. FERRIS, G., J. MORGAN, C. WILLIAMS, & V. D'AMICO. *Riparian corridors as potential biodiversity refugia*
- 3:45 P.M. TILDEN, V.* , M. SWARTZ, J. HOVIS, D. McNAUGHTON, & N. HOFFMAN. *Habitat identification, restoration, and repatriation plan for the regal fritillary butterfly, Speyeria idalia (Drury) to landholdings historically occupied within the northeastern United States*
- 4:00 P.M. BEARER, S., D. JENKINS, & E. JUST. *The FoRest Decision Tool: A habitat decision tool for restoring ecological values to working forests.*
- 4:15 P.M. FUREDI, M.* *Restoration and management of the Goat Hill serpentine barrens.*
- 4:30 P.M. BERG, J.* & K. UNDERWOOD. *Replacing incised headwater channels and failing stormwater infrastructure with regenerative stormwater conveyance.*

3:15 P.M. Oral Session V – Aquatic Ecology (BREIS 108)

- 3:15 P.M. SIMMONS, J. A.* *Phosphorus-metal interactions in streams contaminated with acid mine drainage*
- 3:30 P.M. YEUNG-CHEUNG, A. & J. DEGA* *The study of the densities of E. coli and Enterococci bacteria recovered from sediment between areas of Upper and Lower Guion Creek, Mamaroneck, NY*
- 3:45 P.M. BREW, I.* S. DI LONARDO, & W. D. JOHN. *Stream flow, nutrient, and bacterial concentration in Kensico Reservoir tributaries during storm events.*
- 4:00 P.M. FALCONER, A* . & N. TODD. *Rate of zinc uptake and accumulation in tissues of freshwater mussels under controlled laboratory conditions*
- 4:15 P.M. CUNNINGHAM, K.* & N. WATERS. *Impacts of the pesticide atrazine on crayfish motility and behavior*
- 4:30 P.M. NEFF, N* . & N. TODD. *Reduction of bubble nest frequency and size by male Betta splendens after exposure to 17 β Estradiol*

4:45 P.M. Poster Pub Session (BREIS foyer)**Listing of Posters:**

1. EBERHARDT, S & M.S. PEEK* *Effects of sand burial on the coastal dune grass Ammophila breviligulata.*
2. BISHOP, E. *Sex-allocation plasticity in hermaphrodites of Fragaria virginiana.*
3. BOTHAM, R* & T.-L. ASHMAN. *Mycorrhizal interactions affect inbreeding depression in wild strawberry*
4. LIGOCKI, A.* , E. NOWICKI* , B. CORBETT, E. BOJDANI, A. ROMANCHUK, & J.A. MORRISON. *Three years of change in a natural plant-pathogen interaction.*

Continued on next page:

Listing of Posters (cont.):

5. JUNE-WELLS, M. & C. HOLZAPFEL. *Niche divergence: Root-level competition, scale, and implications for invaded plant communities.*
6. EICHELBERGER, B.*, G. PODNIESINSKI, G. & A. DAVIS. *Assessment of high conservation priority floodplain plant communities along the Delaware River*
7. CORBETT, B.* & J.A. MORRISON. *The allelopathic potential of an invasive species, *Microstegium vimineum*, and a native species, *Eupatorium rugosum* and the role of soil microbes in allelopathic studies*
8. CAREY, M. *Effects of old field succession on a population of field sparrows breeding in northeastern Pennsylvania*
9. SCHNELL, J.* and C. HOLZAPFEL. *Studying the effects of *Passer domesticus* on native sparrows in NEWARK, NJ: resource competition and migratory costs*
10. ROBINSON, G.*, P. DOMBROSKI, M. FUESNER & M. STEELE. *Cache management by small mammals: The importance of secondary dispersal.*
11. BUGDAL, M*, A. YUAN, R. SWIHART, N. LICHTI, & M. STEELE. *Cache recovery, pilfering and spatial memory in a scatter-hoarding rodent: Do hoarders have a recovery advantage?*
12. WHITE, A. *, C. GRAVENER, S. MARINO, A. OTIS, A. JULIAN, R. SWIHART, N. LICHTI, & M. STEELE. *Dispersal and predation of American chestnut by small mammals.*
13. Withdrawn
14. POTAPOV, E.* & E.A. ROHTLA. *Can randomly spaced trail cameras alone return density of White-Tailed Deer directly?*
15. POTAPOV, E,* A. BEDFORD, F. BRYNTESSON, S. COOPER, D. ROBERTSON, B. NYHOLM, E.A. ROHTLA, & B. BROWN. *Fine-scale daily movement patterns and territory use by white-tailed deer in suburban Philadelphia.*
16. WASHENKO, H*, A. VELOPOLCAK, R. KOSIK, R. CURTIS, R. STETZ, Z. WILSON, & K. KLEMOW. *Developing a podcast trail guide for an urban natural area, Wilkes-Barre.*
17. HOFER C.* & C. HOLZAPFEL. *Using passerine nestlings as bioindicators of heavy metal accumulation at a former brownfield site.*
18. GRESE, M.*, I. YESILONIS, I., & R. POUYAT. *Landuse effects on surface soil metal and nutrient concentration in Washington, D.C.*
19. BELT, K., T. WATTS,* D. JONES*, C. SWAN, S. KAUSHAL, & R. POUYAT. *Organic matter concentrations in urban streams.*
20. CROMARTIE, J.*, COSTA, C. AND A. TRIPLER. *Stream ecology in Pine Barrens landscapes: does monitoring improve with taxonomic refinement?*
21. MANGAN, B.*, J. KOHLERT, AND L. MANGAN*. *PPCPs in the waterways: The effects of three antidepressants on the locomotion and aggression of the Siamese fighting fish, *Betta splendens*.*

Continued on next page:

Listing of Posters (cont.):

22. MANGAN, B. & L. MANGAN*. *Profile of an invasion: Density and size-range of the Asian clam (Corbicula fluminea) in the Susquehanna River.*
23. BUTT, J.S. & T. LIGHT*. *Effects of stream liming on the biota and water chemistry of a Pennsylvania Appalachian Mountain headwater stream.*
24. MANGAN, B., A. CILIBERTO*, & M. HOMEWOOD*. *A versatile and economical trap for the capture of wild crayfish.*
25. BURKE, K.*, R. KELLS*, E. KOHLER* & T. LIGHT. *An investigation into hybridization between two related species of crayfish of the same genus in Central Pennsylvania.*
26. RICHARDS, A.* & W.J. MCFARLANE. *Assessment of bioenergetic response to salinity transfer and exercise stress in wild mummichogs (Fundulus heteroclitus) acclimated to brackish and fresh water.*
27. VARELA, J. *, R. POTOSKY, H. RIDALL, & G. BARR. *Effects of paroxetine on the predatory behavior of smallmouth bass (Micropterus dolomieu)*

Evening activities**6:15 P.M. Welcoming remarks****HSC Ballroom**

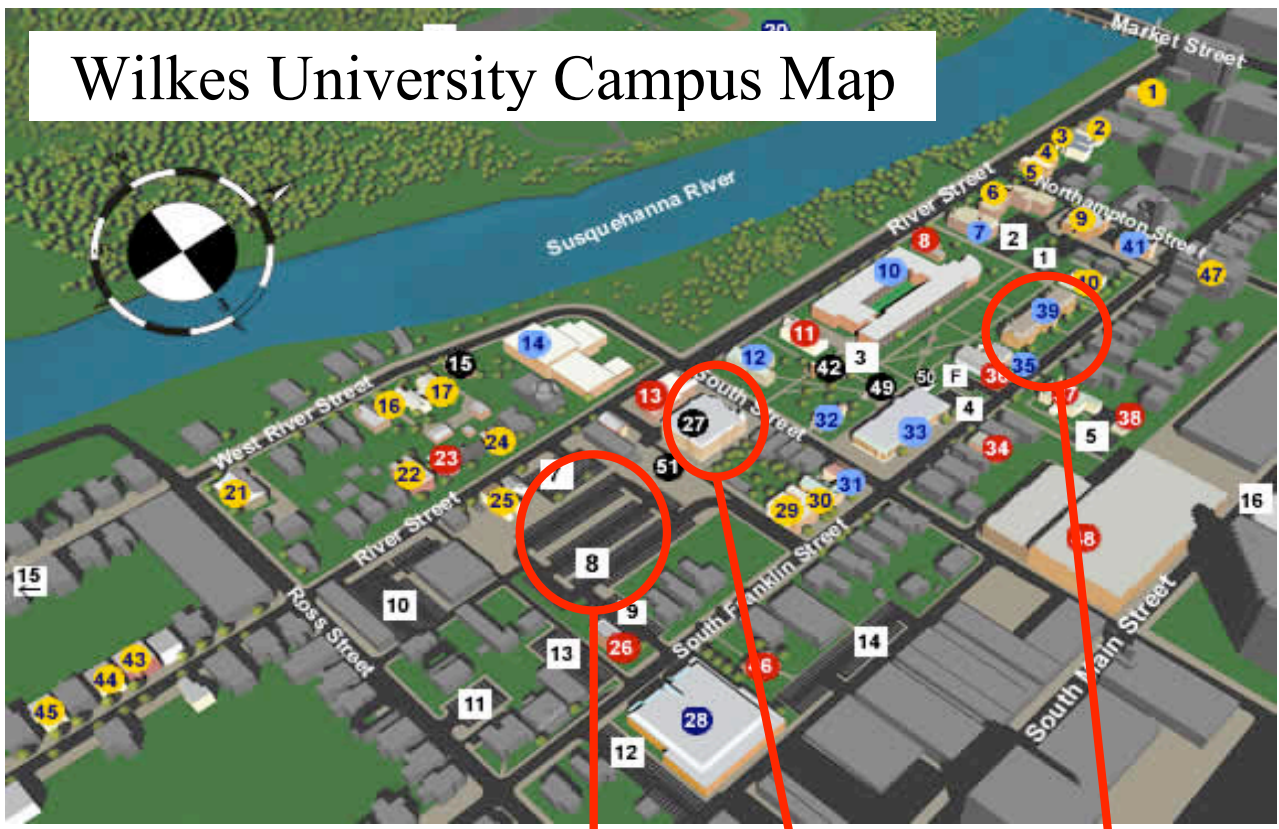
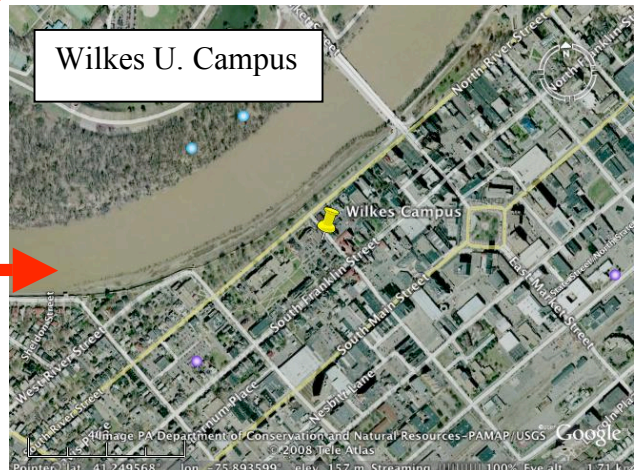
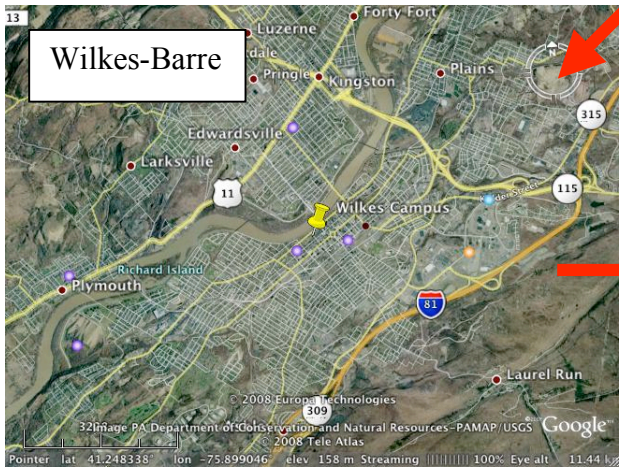
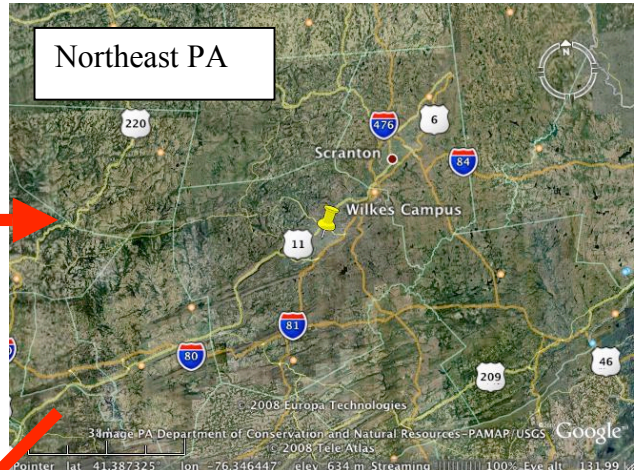
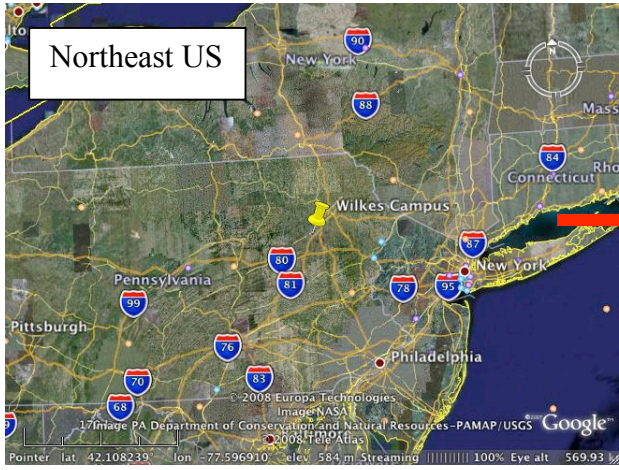
JANET MORRISON – Chair-Elect, MAESA

6:20 P.M. Dinner**HSC Ballroom****7:00 P.M. After dinner speaker****HSC Ballroom**DALE BRUNS (Wilkes University). *“Lessoned learned” on ecological monitoring and assessment: from Patagonia to Noatak to an American Heritage River.***7:45 P.M. Concluding comments / adjourn****HSC Ballroom****SUNDAY, 20 APRIL****FIELD TRIP HAS BEEN CANCELLED! Refunds will be issued to those who paid in advance.**

Co-hosted



Wilkes Institute for Environmental
Science and Sustainability



Park Here

Henry Student Center (HSC)

Breith Hall (BREIS)