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Debra Lane <debra.lane@capeelizabeth.org>

Application for Boards and Committees

1 message

Kenneth D. Pierce

Sun, Feb 25, 2018 at 12:56 PM

To: debra.lane@capeelizabeth.org

Below is the result of your feedback form. It was submitted by
Kenneth D. Pierce) on Sunday, February 25, 2018 at 12:56:55

Date: February 25, 2018

Committee No. 1: Fort Williams Park Committee

Address: 35 Oakhurst Road

Home phone:

Unlisted: No

Cell phone:

Work phone:

FAX:

Occupation: Lawyer

Employer: Monaghan Leahy, LLP - 95 Exchange Street, Portland ME 04101

Why these boards?: I live close to Fort Williams and value it as a wonderful resource for our community. I care deeply about the park and I want to ensure it remains a resource for future generations.

Skills/Talents: I have passion and a deep respect and love for the park. In my legal practice, I am often retained to mediate cases because I am able to understand all sides of an issue/problem. I have excellent interpersonal skills and communicate well with all individuals. I understand the risks associated with managing/operating the park and how best to deal with those risks.

Previous Service: For many years I was very active with youth sports programs including soccer, baseball and basketball programs through Community Services, CEMS and CEHS as well as Cape Elizabeth Little League and Casco Bay Soccer. I was President of the Cape Elizabeth High School Baseball Boosters for several years through 2012.

Employed By Town/School: Yes

Town employment explanation: I am not employed by the Town but my law firm, Monaghan Leahy, has provided legal services to the Town for several decades.

Volunteer For Town/School: No

Town volunteer explanation: My involvement with the CEHS sports programs ended in 2012 when our youngest graduated.

Flexible Schedule: Yes



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Application for Boards and Committees

1 message

Andrew T Gilbert

Thu, Oct 19, 2017 at 9:21 AM

To: debra.lane@capeelizabeth.org

Below is the result of your feedback form. It was submitted by
Andrew T Gilbert , on Thursday, October 19, 2017 at 09:21:37

Committee No. 1: Planning Board

Address: 32 Aster Lane

Home phone:

Work phone:

unlisted: Yes

Occupation: Wildlife Biologist

Employer: Biodiversity Research Institute

Why these boards?: I became interested in the Planning Board while listening to and participating in meetings over the last year regarding the recently approved Maxwell Woods project. I think the board does good service for the community and I felt like as a professional wildlife biologist I could contribute unique skills and knowledge that would benefit the planning board and community at large.

Skills/Talents: As a professional wildlife biologist, I deal broadly with species conservation of birds and mammals and their habitat. This would be useful for addressing issues of conservation pertaining to animals and habitat, important to the town. I also do spatial analysis and mapping which gives me a good perspective on reading maps and understanding data.

As a homeowner, I do a lot of my own renovation work and have worked with contractors and builders in the past and have good understanding of the building process having recently gone through new home construction in Cape Elizabeth.

Previous Service: I was a member of the Merrymeeting Audubon Chapter, a chapter of the Maine Audubon for about 8 years.

Employed By Town/School: No

Volunteer For Town/School: No

Flexible Schedule: Yes

ANDREW GILBERT, M.Sc.



BRI Position: **Data Management Director** – Oversees staff responsible for the development and quality control of databases, permit management, GIS and geospatial analysis, and management of IT services for the organization. Designs research projects, writes proposals, conducts field research, and publishes results in report and manuscripts.

Education:

2001 M.S., University of Maine, Wildlife Ecology
1995 B.A., Bowdoin College, Chemistry and Anthropology

Experience:

- 2011-present **Data Management Director** *Biodiversity Research Institute* – Worked extensively managing complex geospatial data, creating scripts in Python, Visual Basic.Net and R to efficiently process, analyze, and map data. Developed a seabird survey application for Android and iOS mobile devices. Worked with boat and high-resolution aerial survey data to process for modeling and mapping. Further developed and tested a stereo-optic camera system for monitoring bird interactions with turbines. Conducted point count surveys in northern Maine forest, often in remote areas.
- 2007-2011 **Seabird Biologist**, *U.S. Geological Survey, Patuxent Wildlife Research Center* – Created the Atlantic Seabird Catalog (formerly the NW Atlantic Seabird Compendium), a database of historical and current seabird data for the Northwest Atlantic of more than 250,000 observation records. Developed and managed a Postgresql relational database with complex spatial queries to output data for modeling and mapping. These data were used to develop the first overview of historical survey effort in the NW Atlantic as well as develop spatio-temporal models of seabird distribution.
- 2005-2006 **Wetland Ecologist**, *U.S. Geological Survey, Patuxent Wildlife Research Center* – Managed a field team to conduct wetland monitoring in Acadia National Park for development of a freshwater wetland monitoring protocol for the northeastern national parks.
- 2001-2007 **Wildlife Biologist**, *U.S. Geological Survey, Patuxent Wildlife Research Center* – Developed and implemented an intensive inventory of terrestrial mammals at 10 national parks in the northeast. Designed a GIS sampling program using ARCGIS. Led all aspects of fieldwork and analysis.
- 2001 **Biological Research Technician**, *Audubon New York* – Forest Biodiversity Project Conducted point count transects for bird and amphibian surveys along a managed forest gradient in upstate New York. Work required stand evaluation, mapping, and multiple transects per day.
- 1998-2001 **Research Assistant**, *University of Maine, Department of Wildlife Ecology* – Designed and implemented a study of potential factors limiting Black Tern productivity in Maine including GIS habitat analysis of available habitat state-wide, food habits and resources,

and nest loss due to flooding. Duties included field season preparation, logistical support, and supervision of field technicians. Field duties included collecting food observations, productivity and population monitoring. Analysis followed resulting in completion of a Master's degree in Wildlife Ecology and several publications.

Software Proficiency: ARCGIS 10.4.1, Post GIS/Postgresql, VB.NET, C++, Javascript, Python, HTML, R, R Shiny, Microsoft Excel, Power Point, Word, Access, and SQL

Select Publications:

- Goyert, H, B Gardner, R Veit, A Gilbert, E Connelly, & K Williams. 2016. Predicting the offshore distribution and abundance of marine birds with a hierarchical community distance sampling model. *Ecological Applications*. DOI: 10.1890/15-1955.1.
- Sollmann, R, B Gardner, K Williams, A Gilbert, & R Veit. 2016. Investigating the abundance and distribution of seabirds using a community distance sampling model. *Methods in Ecology & Evolution* 7(5): 529-537.
- Friedland, K, J Manning, J Link, J Gilbert, A Gilbert, & A O'Connell. 2012. Variation in wind and piscivorous predator fields affecting the survival of Atlantic salmon in the Gulf of Maine. *Fisheries Management & Ecology* 19: 22-35.
- Evers, D. C., K. A. Williams, M. W. Meyer, A. M. Scheuhammer, N. Schoch, A. Gilbert, L. Siegel, R. J. Taylor, R. Poppenga, and C. R. Perkins. 2011. Spatial gradients of methylmercury for breeding common loons in the Laurentian Great Lakes region. *Ecotoxicology* 20: 1609-1625.
- Zipkin, E, B Gardner, A Gilbert, A O'Connell, JA Royle, & E Silverman. 2010. Distribution patterns of wintering sea ducks in relation to the North Atlantic Oscillation and local environmental characteristics. *Oecologia* 163: 893-902.
- Nichols, JD, LL Bailey, AF O'Connell, NW Talancy, EH Campbell Grant, AT Gilbert, EM Annand, TP Husband, & JE Hines. 2008. Multi-scale occupancy estimation and modelling using multiple detection methods. *Journal of Applied Ecology* 45: 1321-1329. doi:10.1111/j.1365-2664.2008.01509.x
- O'Connell, A. F., N. W. Talancy, L. L. Bailey, J. R. Sauer, R. Cook, and A. T. Gilbert. 2006. Estimating site occupancy and detection probability parameters for meso- and large mammals in a coastal ecosystem. *Journal of Wildlife Management* 70: 1625-1633.
- Gilbert, A. T. and F. A. Servello. 2005. Insectivory versus piscivory in Black Terns: implications for food provisioning and growth of chicks. *Waterbirds* 28: 436-444.
- Gilbert, A. T. and F. A. Servello. 2005. Water level dynamics in wetlands and nesting success of Black Terns in Maine. *Waterbirds* 28: 181-187.
- O'Connell, A. F., A. T. Gilbert, and J. S. Hatfield. 2004. Contributions of natural history collection data to biodiversity assessment in national parks. *Conservation Biology* 18: 1254-1261.