

Collaboration in GIS

MEGUG Fall Meeting 2010

Bar Harbor, ME

16-17 Sep 2010

Thursday, September 16, 2010

1-3:30pm – College of the Atlantic – GIS Lab Open House

4:00pm – Mini-golf tournament – Pirate's Cove Mini-Golf

6:30pm – Beer tasting – Bar Harbor Brewery

8:00pm – Dinner at McKay's

Friday, September 17, 2010

8:30 to 8:55 Registration

9:00 to 9:15 Welcome – Aimee Dubois, Town of Scarborough

9:15-9:45 Tek Trek: A 4H GIS Camp for Kids, 2009/ GIS & Online Mapping Applications for Scenic View Assessment

Tora Johnson – University of Maine in Machias

In July 2009, 4H, Greenland Point Center, Center for Community GIS and University of Maine at Machias sponsored a residential summer camp for 11 campers. The youth began the week at Greenland Point Center, learning to use GPS units and collecting data to make maps requested by the camp for various projects. Next, the youth spent two days and nights at UMaine Machias working in the computer labs to create their maps, learning GIS with the guidance of GIS Service Center staff. The camp culminated with a public presentation of the maps back at Greenland Point. An Angela Stokes grant from MEGUG provided much-needed support for the camp. We'll share photos and projects produced by campers.

Tora Johnson has a B.S. Biology and a Masters in Philosophy and Human Ecology. She is currently the GIS Director for the University of Maine in Machias.

9:45 to 10:45 Lidar for the Northeast

Michael Shillenn, Senior Program Director – Photo Science and

Michael Smith, State GIS Manager – Maine Office of GIS

Last year, the coastal New England states and New York submitted a joint proposal to USGS for collection of light detection and ranging (lidar) data for coastal areas in a contiguous section from New York to Calais. This project is now in the contracting phase and set for data collection this Autumn. Michael Smith from the Maine Office of GIS, and Michael Schillen of Photoscience will discuss the details of the project in Maine, including deliverables, timing, project design, end uses of the data, and collaborators.

Mike Shillenn has over 23 years of experience in the design, management and execution of a broad range of geospatial technology services projects supporting end user applications. He is currently a Senior Program Director at Photo Science's West Chester, Pennsylvania office working with that firm's federal, state, local, and commercial clients. He is the immediate Past President of the Pennsylvania Chapter Management Association of Private Photogrammetric Surveyors (PA-MAPPS) where he continues to serve on the Board of Directors. He has served for three terms on the board of directors for the Pennsylvania Mapping and Geographic Information Consortium (PAMAGIC) and was a founding committee member of the Pennsylvania's I-Team. He has also been active in a variety of professional organizations such as Mid-

Atlantic Chapter of URISA (positions included president, vice president, & conference co-chair), GITA, and Pennsylvania Society of Land Surveyors. Mike holds a BS in Geography from the Pennsylvania State University and has been granted the title of Certified Photogrammetrist (#R1027) by the American Society of Photogrammetry and Remote Sensing. Mike lives in Downingtown, Pennsylvania with his wife, Dawn, and 20 year old daughter, Erin.

Michael Smith has over 19 years experience in the geospatial field, chiefly in spatial data management, enterprise GIS architecture, and remote sensing. He is currently the State GIS Manager for Maine, overseeing the Maine Office of GIS (<http://megis.maine.gov>) which provides GIS data and services to thousands of customers in Maine and elsewhere. His background is in wildlife biology and he has spent much of his past years modeling wildlife habitat or otherwise managing and analyzing biological spatial data. He currently serves on the Maine GeoLibrary Board, the Maine GIS Users Group Board of Directors, and is the Maine state representative to the National States Geographic Information Council. Michael holds a BS in Wildlife Ecology from Texas A&M University, and a MS in Wildlife Sciences from the University of Washington. He lives in Gardiner, Maine with his wife and 3 children.

10:45 – 11:00 Break

11:00 to noon: Geographic Information Systems at College of the Atlantic

Gordon Longsworth and students.

COA GIS Lab Director Gordon Longsworth will present an overview of GIS at COA. The talk will include the history and development of GIS at COA, select student projects and examples of community based work will be presented and discussed.

Gordon Longsworth has more than 20 years experience developing and teaching Geographic Information Systems. He is currently Director of the College of the Atlantic's GIS Laboratory, a position he has held since 1993. Gordon was introduced to GIS as an undergraduate at College of the Atlantic and was lead student in the establishment of the GIS Laboratory there in 1988. Since then, he has supervised and conducted numerous multidisciplinary and research projects for COA and other university faculty and for federal, state and local government and non-governmental organizations.

Gordon also operates Longsworth Associates, which enables him to work on an even broader range of projects. Gordon formed Longsworth Associates in 2003 to learn new skills and provide GIS consulting and production services. He works primarily with law firms developing specialized maps and exhibits to assist in cases against environmentally destructive projects. Gordon has submitted exhibits and has testified before local planning boards and the Board of the Maine Department of Environmental Protection.

Noon to 1:15 Lunch

1:15 to 2:15 GeoParcels – Nancy Armentrout, Maine GeoLibrary Board; Steve Weed, Town of Bar Harbor

This is an update on the project to create a State wide WebGIS portal for parcel data. The current focus is a pilot project in Hancock County.

Nancy Armentrout has been involved with GIS in state government since 1991. She spent a number of years fostering GIS across the State of Maine and was co-founder and first chair of MEGUG. Nancy became DOT's GIS manager in 1995 and it's IT Director in 2005. She is currently the Database Manager for the E9-1-1 Bureau and a member of the GeoLibrary Board.

Steven Weed started using GIS in 2000 when he was hired as the Assessor for Bar Harbor. That same year Steve also became the GIS Coordinator and IT Director and began the process of upgrading the Town's network infrastructure from individual networks for each building and dial-up internet connections to a centralized, fiber optic WAN network with a 100 MBs internet connection. In 2004 Steve managed the complete remapping of the town parcel maps and other data to create a fully functioning GIS system and in 2009 launched a WebGIS system linked to the Hancock County Registry of Deeds and the town's online land use and assessment databases. Along with his duties with the Town Steve is also a member of the MEGUG Board of Directors.

2:15 to 2:30 Break

2:30 to 3:00 Lobster Buoy Counting in Tenant's Harbor

Claire Kiedrowski, Kappa Mapping

Nearly 3 million traps bring in 78 million pounds of lobster annually, adding \$228 million to Maine's economy and making the industry's sustainability a hot topic. To help its scientists determine how trap numbers affect the lobster population, Maine Department of Marine Resources contracted with KAPPA Mapping, Inc. to inventory the number of buoys marking lobster traps in Tenants Harbor. This presentation discusses the methodology of counting lobster buoys from aerial photography.

Claire Kiedrowski has a B.S. in Surveying Engineering. She has over 20 years exp. in the mapping profession and is the President/Owner of Kappa Mapping in Bangor

3:00 to 4:00 Panel Discussion on land records with towns

Jim Fisher, Hancock County Planning Commission; Kyle Avila, Town of Mount Desert; Laurie Thomas, Maine Revenue Services; Steve Joy, Realtor in Hancock County; and Julie Curtis, Hancock Registry of Deeds,

Jim Fisher is on the Hancock County Planning Commission. He has a BA, MRP and PhD in Regional Planning.

Kyle Avila is the Tax Assessor for the Town of Mount Desert. He has a B.S. in water resources and wetland ecology He spent six years as a GIS analyst at Sewall Co and five years as a certified Assessor.

Laurie Thomas is leading the Real Estate Transfer Tax filing system for Maine Revenue Services.

Steve Joy is a Broker/Owner at Katsiaficas Agency in Ellsworth.

Julie Curtis is the Registrar for the Hancock County Registry of Deeds.