



The Lay of the Land

The Newsletter of the Maine Association of Professional Soil Scientists

Volume 17, Issue #2

Summer 2013 Edition

THANKS TO ALL WHO'VE KEPT US GOING

By Don Phillips, CSS; MAPSS President; Phillips EcoServices

Turn the page, and you will see a compilation of MAPSS members who've taken their turns as MAPSS President. Ditto for Vice-President, Secretary, Treasurer, and so on. They are just some of the members we should recognize who have selflessly volunteered through recent decades to keep MAPSS going. These members deserve our appreciation for answering the call to serve our profession.

EXECUTIVE COMMITTEE

President – Don Phillips
Vice President – Anna Donohue
Past President – Johanna Szillery
Treasurer – Gary Fullerton
Secretary – David Turcotte
Director – George Bakajza

COMMITTEE CHAIRS

Webmaster – Chris Dorion
Newsletter – Don Phillips
Education – David Turcotte
Membership – Johanna Szillery
University of Maine, Orono, Liaison –
Ivan Fernandez
University of Southern Maine Liaison –
Samantha Langley-Turnbaugh
Technical – Chris Dorion
State of Maine Liaison – David Rocque
DEP Task Force representative - unfilled
USDA NRCS Liaison – Tony Jenkins

Don't just look quickly at the next page, though. Note that the compilation shows only about half of the years we've been in existence. Maybe you have a record of who was MAPSS President, Vice-President, and so on from 1975 to 1992, but I don't. Without the help of conscientious record-keepers like Dave Marceau (mostly) and David Moyses, who provided nearly all of the names shown on the next page, we would be on the verge of losing our memory of who served our Association during our beginning years.

Since I haven't been able to find records for the first seventeen years of our existence, all I can do is guess who some of our leaders were. They probably included: **Bob Rourke; John Ferwerda; Ken LaFlamme; Gary Hedstrom; Larry Flewelling; Paul Hughes; Roland Structmeyer; Bob Joslin and Glenn Jordan** to name a scant few. As USDA Soil Conservation Service employees at the time, they were the giants of Maine soil science circles in the mid '70s – and people who must have taken their turns as leaders of a newly formed MAPSS at one time or another.

Since 1975 wasn't really *that* long ago (not to me, anyway), it isn't surprising that our membership rolls still have several active members who were involved back in the day – members like **Norm Kalloch** – and who continued to serve MAPSS in various capacities since 1992. It would be redundant to mention them all here; their names are already on the next page. That said, here's a belated *Thank You* to everybody who has ever stepped up to become a part of our Executive Committee, and/or who has ever volunteered to lead a MAPSS Committee. And, here's a reminder to all that we continue to need members to volunteer their time and energy to keep us going.

IN THIS ISSUE

Thanks to All Who've Kept Us Going – by Don Phillips, CSS; MAPSS President; Phillips EcoServices.	Page 1
MAPSS Executive Committee & Committee Chairs: 1992 to 2013 - by Dave Marceau, CSS, Gartley & Dorsky Engineers, Inc.	Page 2
Proposed Connotative Legend Standard for High Intensity Soil Surveys – by Chris Dorion, CSS, CC Dorion Geological Services, LLC	Page 3
Update: MAPSS Letter Recommending Creation of a Soil Judging Course At UMaine - by Don Phillips, CSS	Page 5
University of Maine Update – Submitted by Dr. Ivan Fernandez, School of Forest Resources, UMaine	Page 6
Volunteers Needed for Common Ground Fair – by Dave Turcotte, USDA Natural Resources Conservation Service	Page 6
Janet Engle Cormier Soil Science Scholarship Winners – by Johanna Szillery, CSS, Civil Engineering Services, Inc.	Page 7
Soils & Natural Resource Workshop - Mt. Blue State Park - Submitted by Dave Rocque, CSS, ME Department Of Agriculture	Page 8
Soils & Natural Resource Workshop Directions To Registration Area, and Registration Form	Page 9
Two Interesting Emails	Page 10

Note: Opinions expressed by the authors of articles are not necessarily endorsed by MAPSS

The Maine Association of Professional Soil Scientists (MAPSS) was formed in 1975. The Mission of MAPSS is to promote soil science through the exchange of technical, political, and regulatory information that influence and guide the profession of soil science. MAPSS members have interdisciplinary professional backgrounds in both the private and public sector, including soil consultants, wetland scientists, site evaluators, state and federal government scientists and regulators, students, and others with an interest in the natural sciences. The organization's goal is to ensure the success and promote the advancement of the soil science profession. MAPSS strives to provide guidance, education, and training to its members and the public on soil science issues of interest and concern.



MAPSS Executive Committee & Committee Chairs: 1992 to 2013

Compiled mostly by David Marceau, CSS, LSE; Former MAPSS President, Gartley & Dorsky Engineering and Surveying, Inc.

	Mar, 1992 to Mar, 1993	1993 / 1994	1994 / 1995	1995 / 1996	1996 / 1997	1997 / 1998	1998 / 1999	1999 / 2000	2000 / 2001
President	David Moyse	David Moyse	Mark Hampton	Steve Howell	Janet Cormier	David Marceau	David Marceau	George Bakajza	Dale Brewer
Vice President	Jim Logan	Mark Hampton	Steve Howell	Wayne Hoar	David Marceau	George Bakajza	George Bakajza	Dale Brewer	Jim Logan
Secretary	David Marceau	Richard Babine	Jennifer West	David Marceau	Wayne Hoar	Wayne Hoar	Wayne Hoar	David Turcotte	David Turcotte
Treasurer	David Marceau	Richard Babine	Richard Babine	David Marceau	Dick Babine	Dick Babine	Dick Babine	Aleita Burman	Aleita Burman
Director	Sylvia Michaud	Bob Joslin / Paul Beers	David Moyse		Don Phillips	Don Phillips	David Moyse	Norm Scott	Norm Scott
Technical Com.	Norm Kalloch			Norm Kalloch	David Rocque	David Rocque	David Rocque	David Rocque	David Rocque
Newsletter Editor					Norm Kalloch	Norm Kalloch	Lisa Krall	Lisa Krall	David Turcotte
DEP Task Force					Paul Beers	David Moyse	David Moyse	David Moyse	David Moyse
Webmaster							Ted Butler	Ted Butler	Ted Butler

	2001 / 2002	2002 / 2003	2003 / 2004	2004 / 2005	2005 / 2006	2006 / 2007	2007 / 2008	2008 / 2009	2009 / 2010
President	Norm Kalloch	Norm Kalloch	Norm Kalloch	Jim Logan	Laura Lecker	Chris Dorion	Chris Dorion	Chris Dorion	Ken Stratton
Vice President	Alieta Burman	Darryl Brown	Darryl Brown	Laura Lecker	Chris Dorion	Laura Lecker	Laura Lecker	Dave Turcotte	Joe Noel
Secretary	Jennifer West	Corrine Leary	Corrine Leary	Chris Dorion	David Turcotte	David Turcotte	David Turcotte	Gary Fullerton	Anna Kettel
Treasurer	Corrine Leary	Chris Dorion	Chris Dorion	Andrew Carpenter	Gary Fullerton				
Director	Norm Scott	Laura Suomi-Lecker	L. Suomi-Lecker	Darryl Brown	Darryl Brown	Darryl Brown	Darryl Brown		
Technical Com.	David Rocque	David Rocque	David Rocque	David Rocque	David Rocque	David Rocque	David Rocque	David Rocque	David Rocque
Membership Com.		Alieta Burman	Alieta Burman	Alieta Burman	David Moyse	David Moyse	David Moyse	David Turcotte	David Turcotte
Education Com.	Don Phillips	Don Phillips	Don Phillips	Don Phillips	Don Phillips	David Moyse	David Moyse	Johanna Szillery & Anna Kettel	J. Szillery & A. Kettel
Newsletter Editor	Jennifer West	Chris Dorion	Chris Dorion	David Turcotte	David Turcotte	David Turcotte	Amy Jones	Amy Jones	Amy Jones
DEP Task Force	David Marceau	David Marceau	David Marceau						
Webmaster	Ted Butler	Ted Butler	Ted Butler	Ted Butler	Chris Dorion	Chris Dorion	Chris Dorion	Chris Dorion	Chris Dorion

	2010 / 2011	2011 / 2012	2012 / 2013	2013 / 2014
President	Ken Stratton	Johanna Szillery	Johanna Szillery	Don Phillips
Vice President		Anna Kettel	Anna K. Donohue	Anna K. Donohue
Secretary	Anna Kettel	David Turcotte	David Turcotte	David Turcotte
Treasurer	Gary Fullerton	Gary Fullerton	Gary Fullerton	Gary Fullerton
Director		Mike Banaitis	Mike Banaitis	George Bakajza
Technical Com.	David Rocque	Chris Dorion	Chris Dorion	Chris Dorion
Membership Com.	David Turcotte		Johanna Szillery	Johanna Szillery
Education Com.	J. Szillery & A. Kettel	Michael Glessner	Michael Glessner	David Turcotte
Newsletter Editor	Amy Jones	Amy Jones	Don Phillips	Don Phillips
DEP Task Force		Mike Banaitis	Mike Banaitis	
Webmaster	Chris Dorion	Chris Dorion	Chris Dorion	Chris Dorion

Request For Info

As you can see, we have an embarrassingly poor knowledge of our own history. We've forgotten who have served on our Executive Committee during the years 1975 (our 1st year) to about 1991. If you served in any Executive Committee post or as Chair of any associated Committee for MAPSS during that time period, please let us know who you are so you can get some well deserved recognition.

- Notes:**
- To save space, we assumed that the name of the EC's Past President can be easily inferred by looking at who was President the preceding year.
 - Three additional Committee Chairs – Nominating Committee, Ethics and By-Laws, filled by Greg Perkins, Allan Ott and Bryce McEwen respectively – were part of the 1992 / 1993 EC but were more or less discontinued after that year.
 - Other Committee Chairs, such as the Newsletter Editor, Webmaster, Education and Membership Chairs, were implemented after 1992 / 1993.





Proposed Connotative Legend Standard for High Intensity Soil Surveys

by Chris Dorion, CSS, CG, Former MAPSS President, C.C. Dorion Geological Services, LLC

The accompanying Figure 1, presented on the next page, is the result of this past year's efforts by the MAPSS Technical Committee. The Explanation Guide incorporates the Tech Committee's revisions through March 15th, 2013. This is an evolving product, as I stated at the Annual Meeting this year.

The thrust of the "Proposed Connotative Legend Standard for High Intensity Soil Surveys" is to give engineers, architects, regulators, CEOs, planners, foresters, wetland scientists, and other professionals a more user-friendly product. We are responding to many, many suggestions from these groups over the years for a more easily interpreted product.

We have borrowed heavily from New Hampshire's "Standards for a High Intensity Soil Map" (1991), published by the Society of Soil Scientists of Northern New England.

To emphasize, this proposed connotative-style map is NOT a replacement for the existing MAPSS Guidelines, but rather an alternative product. In addition, only a licensed soil scientist may produce these proposed connotative-style maps, as their creation requires extensive pedology that only a licensed soil scientist can deliver.

It was interesting how the process of drafting up this figure unfolded for me. I had dreaded drafting up this figure for several weeks, but with the gentle, and, recently, more forceful prodding (and encouragement) from MAPSS President Don Phillips, I was able to get this done in about 1.5 days. I chose the base map because it represents several parent materials, depth classes, drainage classes, and udorthents. It is a very typical map for much of southern and central Maine. The original high intensity soil survey was completed in the early 2000s, when we still utilized the Peru soil series (now replaced by Dixfield). I had to figure out and then cut & paste the new soil map units (such as 4/2L/4/1/C) over the traditional soil series name map units. Figuring out the new coding went so fast I was amazed. I only had to refer to our catena key and the hydro key. I especially like the new Bedrock Class, which is more realistic in the Deep and Very Deep divisions, and has the #5 option for when we have an excavator dig below 60 inches or if we are restricted to hand digging and our limit of exploration is only 2 or 3 feet.

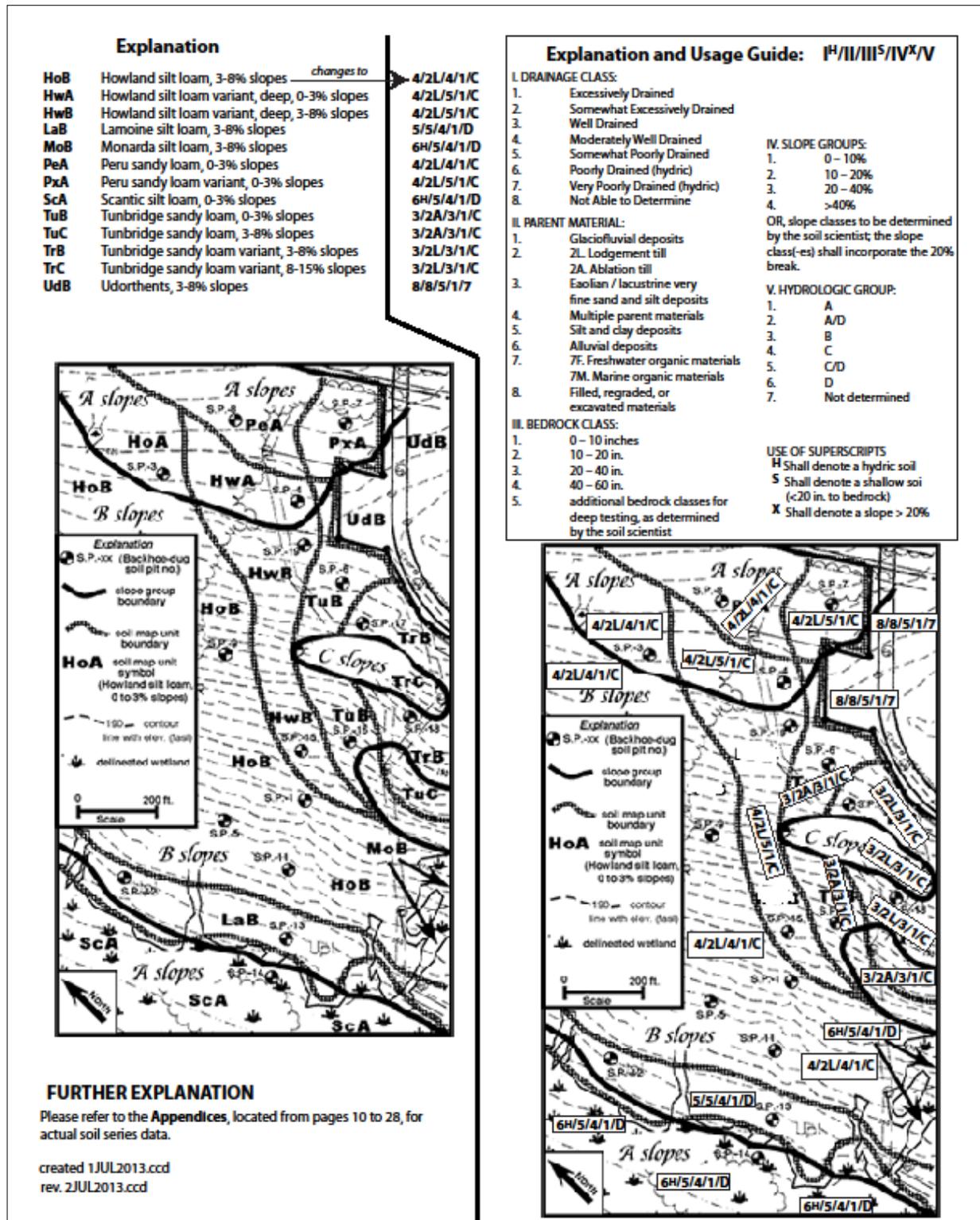
There are also options for what has been a few challenging areas, and more so as new and old construction activities increasingly occur on previously developed or disturbed sites. These options are #8 under Drainage Class, #8 under Parent Material, and #7 under hydro group.

The slope groups are now divided at 20%, which is critical for septic design standards and Shoreland Zoning.

There are 3 superscripts which should immediately draw extra attention from the map user, as they are severely limiting parameters in terms of environmental regulation and engineering practices.

Lastly, any MAPSS member is most welcome to submit comments to the Technical Committee. Please send them to the Tech Committee Chair, Chris Dorion, at: cdorion@infionline.net.

Figure 1: Comparison of Traditional Soil Mapping Units with Proposed Connotative Mapping Units





Update: MAPSS Letter Recommending Creation of a Soil Judging Course at UMaine

Submitted by Don Phillips, CSS, MAPSS President

At the MAPSS Annual Meeting last March, the membership voted that a letter should be written to Dean Edward Ashworth (Dean and Director of the College of Natural Sciences, Forestry, and Agriculture at the University of Maine in Orono) expressing our desire to see UMaine create a credit-carrying Soil Judging course each year. The letter, signed by two former MAPSS Presidents in addition to myself, is shown below as is Dean Ashworth's response.



Contact: Donald Phillips, CSS
213 Pance Road
Monroe, ME 04861
info@philipscoservices.com
www.mapss.org

Dean Ashworth
College of Natural Sciences, Forestry, and Agriculture
5782 Winslow Hall
University of Maine
Orono, ME 04469-5782

April 25, 2012

Subject: Creation of a Soil Judging Class

Dear Dean Ashworth,

We are writing on behalf of the *Maine Association of Professional Soil Scientists* (MAPSS) requesting that UMaine create a credit-carrying "Soil Judging" course that would be available each year. We understand that a "Special Studies" course, which teaches the same material only under a different name, exists but that it is offered every other year and is not intended to be a regularly offered course. The MAPSS membership feels very strongly that an annually taught "Soil Judging" course would benefit the University and the State of Maine for years to come, and allow students involved with Soil Judging to receive credit.

We are proud that UMaine has fielded a Soil Judging Team for many years, and not just because UMaine is one of just six institutions located throughout the Northeast that regularly competes in the National Collegiate Soil Judging Contest. Typically held at a different host school each year, soil judging teams are expected to correctly identify, evaluate, classify and describe four soil pits – not easy to do because the soils that team members must examine are almost always significantly different than those encountered in their home areas. Teams that participate in this annual competition gain valuable publicity for their schools, particularly for the host institution. Creating a Soil Judging class would increase UMaine's chances of hosting again, which it last did in 2006. Aside from the Soil Judging Contest, the course would complement the currently offered one-credit "Soil Morphology" class. Whereas the objective of Soil Morphology is to train students how to describe soil profiles, we envision the objective of a Soil Judging class as providing students invaluable field experience to advance their skills at accurately and quickly describing soil profiles. Students would be exposed to the kind of real-world challenges that professional soil scientists encounter on a daily basis.

The State of Maine would benefit if UMaine offered Soil Judging as a class each year by countering problematic unemployment. Fortunately, most economic indicators suggest that the State's long depressed economy will begin to rebound next year so we remain optimistic that hiring graduates with a soils background will begin to pick up as well. We know that it will be today's students who will be hired by private engineering / environmental firms in Maine to become tomorrow's soil scientists, so it will be today's students who will map not only our native soils but also Maine's increasingly complex human altered / human disturbed soils. Likewise, we understand that the U.S.D.A. Natural Resources Conservation Service is more likely to recognize a credited soil judging class as a qualifying academic criterion that could help lead UMaine soil graduates to employment as a federal soil scientist.

To summarize, the MAPSS membership believes that creating a Soil Judging class may be a vital step towards proactively moving the State closer towards a long-term, sustainable and productive use and management of all of Maine's natural resources.

Sincerely,

Donald Phillips, CSS (2013) Christopher Dorion, CSS (2007-09) Johanna Szillery, CSS (2011-13)
President and Former Presidents - Maine Association of Professional Soil Scientists

Cc: Eric Gallandt
Chair, Plant, Soil and Environmental Sciences Department



Office of the Dean and Director
College of Natural Sciences,
Forestry, and Agriculture
4650 Agricultural and Forest
Experiment Station

5782 Winslow Hall
Orono, Maine 04469-5782
Tel: 207.581.5252
Fax: 207.581.5217
orn@um.edu

June 12, 2012

Maine Association of Professional Soil Scientists
c/o Donald Phillips, CSS
213 Pance Road
Monroe, ME 04861

Dear Mr. Phillips, Mr. Dorion and Ms. Szillery:

Thank you for your letter of April 25th and your interest in our educational programs. I appreciate receiving feedback and suggestions, especially from alumni.

The University of Maine is not in a position to offer a soil judging class on an annual basis due to a combination of low enrollment and lack of faculty expertise in this area. We have been offering PSE442- Pedology and PSE444-Field Soil Morphology, Genesis and Classification in alternate years and the enrollments do not justify offering the courses on an annual basis. In the table below, you will note that enrollment indicated in parentheses, for PSE 442 averaged 13 students during the four offerings since 2006, while enrollment in PSE 444 was less than 12 students per offering.

Fall 2006 - PSE442 (15) and PSE444 (15)
Fall 2008 - PSE442 (10) and PSE444 (9)
Fall 2010 - PSE442 (17) and PSE444 (3)
Fall 2012 - PSE442 (10) and PSE444 (9)

University of Maine System policy is that an undergraduate class section should not be offered with fewer than 12 students. Thus, based upon our past offerings, there is no "demand" for an annual offering. Please also know that we no longer have a faculty member on our staff with expertise in soil morphology, genesis and classification. We lost the faculty member with that expertise several years ago and our budget situation has prevented us from filling that position.

I would be pleased to meet with members of your organization to discuss alternatives and the potential for internship opportunities that might help our students obtain these skills. Thank you for your interest.

Sincerely,

Edward N. Ashworth
Dean & Director

cc: Eric Gallandt, PSE Chair
MAINE ASSOCIATION OF PROFESSIONAL SOIL SCIENTISTS

We appreciate Dean Ashworth taking time to consider this matter. Hopefully, the University of Maine will re-examine this issue perhaps a few years from now. Yes, we are aware that budgetary problems there, as elsewhere in the State, are beyond our control. And yes, we are aware that yet another obstacle hindering the creation of an annual Soil Judging course at this time is the decreasing enrollment in soils courses, and the difficulty today's students are experiencing gaining employment in our profession after they graduate. These problems are all related to our current poor economy, but I am confident that the economy will improve. I believe that it behooves our profession to continue reminding UMaine that we remain a key part of environmental stewardship in Maine.





University Of Maine Update

Submitted by Dr. Ivan Fernandez, CSS, School of Forest Resources, University of Maine

Historically the Department of Plant, Soil, and Environmental Sciences has been the 'home' for soil science expertise at the University of Maine. The department was formed nearly 50 years ago as the merger of the Agronomy and Horticulture departments to become the Department of Plant and Soil Sciences, later evolving to be the Department of Plant, Soil and Environmental Sciences in the 1990s. As of July 1, 2013 this department will be merging with the departments of Animal and Veterinary Science and Food Science and Human Nutrition to form the School of Food and Agriculture.

This will be a relatively large unit with about 28 faculty members spanning across a wide disciplinary range. Dr. Sue Erich, a soil scientist, will be the new School's first Director. Dr. Erich teaches environmental soil chemistry. Four undergraduate degree programs (animal and veterinary science; environmental horticulture; food science and human nutrition; and sustainable agriculture) will be housed in the School of Food and Agriculture, as well as a number of graduate programs.

Most undergraduate students with a primary interest in soil science receive degrees in Ecology and Environmental Sciences (EES) with historically a concentration in Environmental Science or Soil and Water Science. This degree program (EES) has recently been reorganized and updated and is now directed by Dr. Aram Calhoun, a wetland scientist in the Department of Wildlife Ecology. Dr. Calhoun teaches courses in wetland ecology and wetland delineation. The EES program is a popular and broad interdisciplinary program with participation from many departments across the University. These changes are both positive for the development of strong academic units and programs at the University, as well as offering some challenges for soil science.

There are fewer faculty who identify as soil scientists than a decade ago, although a number of faculty in several schools have expertise that contributes to soil science training. Dr. Ivan Fernandez, long-time member of the Department of Plant, Soil and Environmental Sciences has officially moved to the School of Forest Resources given his expertise in forest soils and environmental science. He will remain a cooperating faculty member in the new School of Food and Agriculture, as well as an ongoing cooperating faculty member in the Climate Change Institute.

Other new faculty at the University will likely be involved in teaching and research related to soil science areas of interest, such as Dr. Sean Smith, a new faculty member in geomorphology who joined the School of Earth and Climate Sciences (formerly the Department of Earth Science), or Dr. Sean Fraver, a forest ecologist with a specialty on carbon joining the School of Forest Resources this fall. With all change comes opportunity, and these changes will challenge us to maintain soil science expertise at the University of Maine and in Maine itself, but a continued close working relationship with MAPSS and practicing soil scientists will be critical to both demonstrating support for soil science at the University, as well as shaping programs at the University to meet the needs of the soil science community in Maine.



Volunteers Needed for Common Ground Fair

by Dave Turcotte, CSS, USDA Natural Resources Conservation Service

For the eighth year in a row, MAPSS will have a presence at the Common Ground Fair, sponsored by the Maine Organic Farmers and Gardeners Association [www.mofga.org] from September 20-22 in the Town of Unity. I am looking for volunteers to help staff our booth (with our revised display board, supporting materials, and hands-on props) in the Agricultural Demonstration Tent, and/or lead a presentation at a soil trench that abuts a wetland. We will have a 60 minute MS Power Point presentation in the audio-visual tent one day. You may recall that about a half-dozen members expressed an interest in helping out at our annual meeting back in March, and I will be contacting them sometime next month to see if they are still willing to provide assistance and representation. A free pass to the fair, and possibly a small stipend for lunch, may be available. Volunteers will be asked to help for a minimum half-day shift. If you wish to volunteer, please contact Dave Turcotte by phone (207-249-8302) or e-mail (turc3@roadrunner.com).



Janet Engle Cormier Soil Science Scholarship Winners

by Johanna Szillery, CSS; Former MAPSS President, Civil Engineering Services, Inc.

Congratulations to Cayce Salvino and Aaron Englander, the winners of the 2013 Cormier Soil Science Scholarship!

Cayce is a graduate student in Plant, Soil, and Environmental Sciences at the UMaine Orono, and is researching the influence of phosphorous availability on nitrogen cycling in forest soils. Cayce was selected because of her focused commitment to soil and natural resources, her excellent academic record, and the enthusiasm and collegiality with which she approaches her work and her professors and colleagues. Cayce plans to pursue a career in consulting or with government upon graduation.

Aaron is also a graduate student in Plant, Soil, and Environmental Sciences at UMaine, who intends to own and operate a diversified organic farm in Maine. Aaron also hopes to provide education and outreach opportunities for other farmers, and for schools and those working with farmers. Aaron's depth of experience in sustainable agriculture and his focused research program were key to his selection for the scholarship.

MAPSS President Don Phillips attended the UMaine Plant, Soil, and Environmental Sciences Department Scholarship Awards Presentation on April 17 to present Cayce and Aaron with their Cormier Scholarship awards. Several faculty members expressed their appreciation to MAPSS for our continued commitment to the Cormier Scholarship and students who are interested in soils and natural resources.

Both Aaron and Cayce sent notes of appreciation to the MAPSS membership, included below.

April 30, 2013

Ms. Johanna Szillery
465 South Main Street, PO Box 639
Brewer, ME 04412

It is with extreme gratitude that I write this letter of thanks to you. My name is Cayce Salvino. I am the proud recipient of the Janet Engle Cormier Soil Science Scholarship. I really appreciate your support. This scholarship will substantially lessen the financial burden and will allow me to devote a greater amount of time to my studies (and soil!).

Thank you,

Cayce Salvino ☺

Dear Janet Engle Cormier Soil Sci.
Scholarship,
Thank you so much for your generous award. I feel very honored and blessed to receive this award in memory of Janet Engle Cormier. I enjoyed meeting the Maine Soil Science Association representative at the banquet and discussing soils and my field of agriculture. A heartfelt thank you and apologize for the late note. Sincerely, Aaron Englander



Soils & Natural Resource Workshop – Mt. Blue State Park

Submitted by Dave Rocque, CSS, LSE, State Soil Scientist, Maine Department of Agriculture

Don't forget mark your calendar so that you reserve September 4, 2013 for the annual MAPSS, MAWS, MASE and SSSNNE field workshop. This year, it will be held at scenic Mt. Blue State Park in Weld, Maine. The focus of this year's workshop is similar to past years; soil evaluation and natural resource identification. As usual, I have selected sites and soils that are challenging but are representative of what we all find in the field on a regular basis, including:

1. A wetland, stream, braided stream complex that will have a number of locations flagged for your interpretation. Is it a stream or a wetland or both? Are parts a stream with other parts a wetland? Is it a stream within a wetland? This site should generate a lot of lively discussion with state and federal regulators.
2. A wooded glacial till site on a 20% slope with several groundwater seeps. Based upon the hydrology of the area, it is obviously wet but is it a wetland, on a 20% slope? Does it have hydric soils or is there a lack of hydric soils morphology due to oxygenated groundwater? How do these soils key out using the Site Evaluator Drainage Key?
3. A pit and mound topography glacial till site dominated by hemlocks with spodosol soils in a fairly level area. Are any of the pits hydric? Is there a wetland boundary and if so, where? How do these soils key out using the Site Evaluator Drainage Key?
4. A moderately sloping pit-and-mound topography lodgment glacial till site with soils that are not spodosols. Does moving groundwater on top of the hardpan influence the formation of redoximorphic features? Are any of the soils hydric? Is there a wetland boundary and if so, where? How do these soils key out using the Site Evaluator Drainage Key?
5. A site with sandy spodosol soils in a possible flood plain, beside a stream/wetland/vernal pool complex that is also within the shoreland zone of Web Lake. This site is sure to generate many questions and much discussion with the regulators from ACOE, DEP, DEH and LUPC. Are any of the soils hydric? How do these soils key out using the Site Evaluator Drainage Key? Several spots within this complex will be flagged for interpretation.

State Park staff and I have been monitoring the groundwater table in soil pits excavated last year so there will be some data for the workshop. A team of expert soil scientists and botanists will evaluate the soils and sites prior to the workshop and the sites will be visited by regulators from DEP (both NRPA and SLZ), ACOE, LUPC and the State Septic System Program. These regulators will be present during the workshop wrap-up to answer questions you are sure to have.

This should be a fun and informative workshop with broad appeal to soil scientists, wetland scientists, site evaluators, code enforcement officers, planners, municipal officials, regulators, foresters, lake association members and many others. You can participate at whatever level is appropriate for your background and knowledge (experts will be stationed at each site to provide whatever assistance you may need).

A Workshop Fee, Registration Form, two aerial photos showing the relative locations of the 5 test pits, are presented on the next page. Otherwise, you can refer to the article I wrote for the various association newsletters earlier this year or give me a call at 287-2666 or send me an e-mail at David.Rocque@Maine.Gov. Remember to bring your lunch as there are limited opportunities to buy a lunch in the town of Weld.

See you September 4.

Workshop Fee: \$35.00 for MAPSS/MAWS/MASE members & associate members; **\$40.00 for all others.**

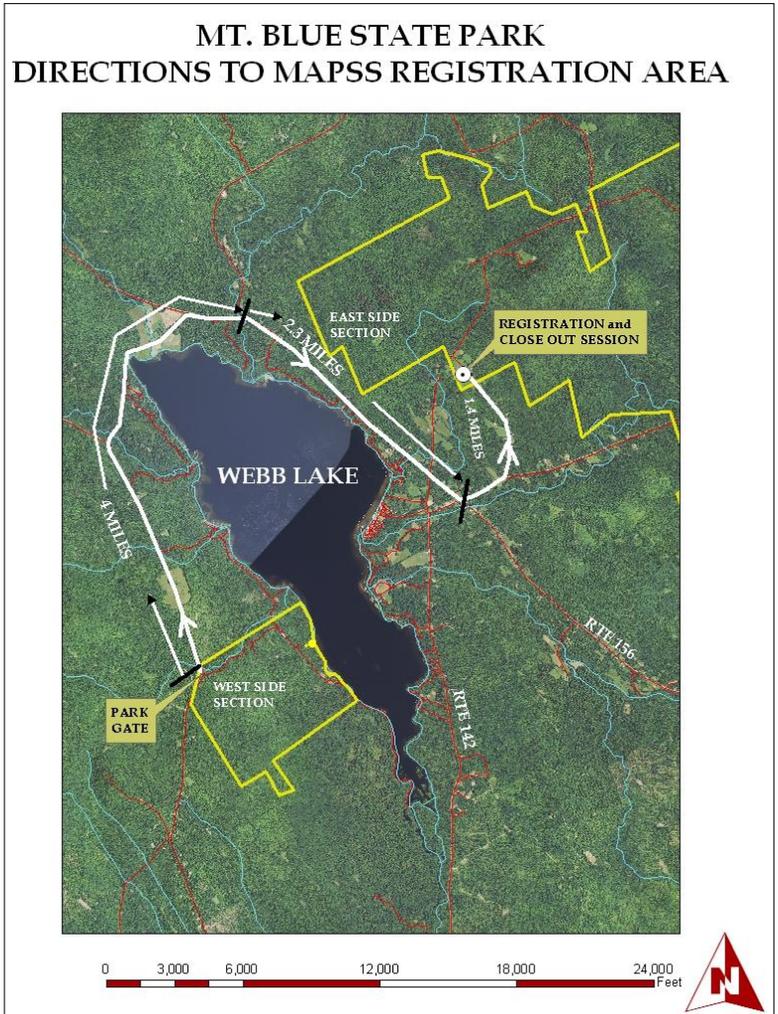
Check here if you would like to become a MAPSS/MAWS/MASE member or associate member. Include \$25.00 for membership or \$15.00 for associate membership.

Please send your checks, payable to MAPSS, to:
Gary Fullerton
104 Millturn Road
Limington, Maine 04049

For planning purposes, we ask that you register by September 1. Check www.mapss.org for background information and updates. Otherwise, please direct questions to Dave Rocque at David.rocque@Maine.gov.

Note: When you arrive at the Registration table, you will receive a Test Pit Location plan based on an aerial photo similar to that shown on the right. An expert Soil Scientist and botanist will be stationed at or near each pit to answer soil-related questions and/or to assist in identifying nearby vegetation.

As many know, participants often gather in roving groups and end up discussing issues related to natural resource identification along with federal, state, and/or municipal permitting requirements. These impromptu groups are great for developing contacts.



Registration Form: MAPSS/MAWS/MASE 2013 Soils & Natural Resource Workshop – Mt. Blue State Park

September 4th, 2013 Workshop
Mt. Blue State Park, Weld, Maine

Name: _____

Address: _____

Phone Number: _____ Email: _____

Number Attending Workshop: Members _____ X \$35.00 _____

Non-Members _____ X \$40.00 _____





Finally, Two Interesting Emails

Tony Jenkins (NRCS State Soil Scientist) sent the notice shown on the right to MAPSS on June 25. I'm certain it will be of interest to some of our members.

From: Jenkins, Tony - NRCS, Bangor, ME [mailto:tony.jenkins@me.usda.gov]
Sent: Tuesday, June 25, 2013 9:33 AM
To: Rocque, David (David.Rocque@maine.gov); Don (d_phillips@prexar.com); Ivan Fernandez (ivanjf@maine.edu); Samantha Langley-Turnbaugh (langley@usm.maine.edu)
Cc: Granger, Greg - NRCS, Augusta, ME; Wilkinson, David - NRCS, South Paris, ME; Johanna Szillery; Christopher Dorion (cdorion@infionline.net); Hernandez, Juan - NRCS, Bangor, ME; Pare, Pauline - NRCS, Bangor, ME
Subject: Soils investigations for NRCS contracts/NRCS cooperators

Hello;

This note is to the responsible (signatory) parties among the cooperative soil survey partners, but concerns Maine state NRCS Technical Soil Services functions. The recent developments in soils investigations requirements for Comprehensive Nutrient Management Plans (CNMPs) resulting from Maine code and its interpretation by the State has led to some confusion. Here is where I stand on this: in order to ensure equitable treatment for our clients (e.g. NRCS cooperator farmers with NRCS contracts that require CNMPs), we will continue to provide the necessary soils investigations for CNMP/mortality management plans related to NRCS conservation operations. Thanks very much, Tony

Tony Jenkins
State Soil Scientist
USDA-NRCS
967 Illinois Avenue, Suite #3
Bangor, ME 04401

207 990-9557 office
207 478-7604 cell
207 990-9599 fax

From: **Doug Fox** <dfox@unity.edu>
Date: Thu, Jun 13, 2013 at 12:13 PM
Subject: Dendrology, Soils Teaching at Unity College

Unity College has several positions open for next year that may be of interest to a grad student or new grad:

1. Dendrology Adjunct(s): Two lecture sections, three lab sections. (Seven workload credits at \$800 per credit). Fall semester.
2. Full time Chemistry Instructor to join one of our regular chemistry instructors teach Chemistry I and II while a faculty member is on leave for AY 13-14.
3. Adjunct chemistry position that could include a project-based Environmental Chemistry course to Policy and Environmental Science majors as well as introductory chemistry. Fall semester.
4. Soil Science Adjunct. Fall semester.
5. Agroecology Adjunct. Fall semester.

If you know of anyone interested, please have them contact me. The positions will be advertised on our HR Interview Exchange site that can be accessed through http://www.unity.edu/about_unity/human_resources/job_listings

Thank you,

Doug

Douglas R. Fox, Professor
Director, Center for Sustainability and Global Change
Unity College
90 Quaker Hill Rd
Unity, ME 04988

Ivan Fernandez forwarded this one from Doug Fox of Unity College to announce several adjunct teaching positions that are open for its September, 2013 semester. Those who are interested in pursuing any of these teaching positions should download details in the link provided. Good Luck!