



MACC

Inside

MACC Attorney Willing to Support Legal Cases: Request Form Now on MACC Website . . . 2

Conservation Conundrum: Grassland Habitat Management in Wetlands 3

Mending Massachusetts' Conservation Tapestry 8

Thanks to our 2008 Annual Environmental Conference Sponsors 11

Calendar 16

MACC Training Program Schedule



Spring/Summer 2008

pages 12-14

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Farewell and See You on Beacon Hill

By Ken Pruitt

It is with a mixture of excitement and sadness that I will soon be departing MACC to join the Environmental League of Massachusetts (ELM) as Managing Director. For the last five years I have been privileged to serve MACC and Conservation Commissioners from across the Commonwealth in the cause of community-based natural resources protection. While I am sorry to be moving into a position with less regular contact with Conservation Commissions, I am looking forward to the enhanced role I will have as an advocate for MACC and Conservation Commissions on Beacon Hill through legislative and other advocacy at the Environmental League.



Helping to lead MACC has been tremendously meaningful and rewarding. MACC supports the 2,400 Massachusetts citizens who spend their precious

(Farewell, continued on page 10)

Highlights from the 2008 MACC Annual Environmental Conference

By Ken Pruitt

On March 1 more than 700 brave souls traveled through heavy snow to attend MACC's 2008 Annual Environmental Conference at the College of the Holy Cross, Worcester. Thankfully snowfall was only about half the maximum predicted, and the conference was its usual successful mixture of learning, networking, and socializing.

Early arrivals filed into the Ballroom for the Opening Session. Secretary of Energy and Environmental Affairs Ian Bowles delivered the keynote address, remarking that he never gives speeches on Saturdays, but would



From left to right: Fred Fawcett, Ken Pruitt, Pam Resor, Ian Bowles, Michael Sites

(Highlights from the 2008 Conference, continued on page 5)



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MACC Attorneys Willing to Support Legal Cases: Request Form Now on MACC Website

By Kenneth Whittaker

MACC's Board of Directors includes a number of attorneys experienced in environmental law. On occasion, MACC is asked to weigh-in on legal appeals where, in the opinion of the requestors, important and fundamental issues related to wetland resource area protection are at issue and where MACC support may benefit their cause. These requests usually come in the form of a request for an amicus curiae brief or, more simply an amicus brief. Amicus curiae literally means "friend of the court." According to Black's Law Dictionary, the standard lexicon for defining legal terms, an Amicus Curiae is a person with a strong interest in or views on the subject matter of an action who may petition the court for permission to file a brief, ostensibly on behalf of a party but actually to suggest a rationale consistent with its own views. Filing of amicus briefs is not an uncommon practice but can and often does involve a substantial research and writing effort.

MACC welcomes these requests, but we proceed carefully to ensure that our input will be helpful to the matter, consistent with our mission to serve our members in enhancing protection of wetland area resources, and reasonable in terms of the balance between the level of effort required and the benefit of a successful outcome. Although all requests are considered, not all can be accommodated given time and resource limitations. MACC makes decisions on whether to file an amicus brief after careful consideration and often after substantial research and discussion.

MACC has taken a step which hopefully will make the Board more approachable on the issue of requests for filing of an amicus brief while at the same time streamlining our review process to ensure that the most worthy requests are acted upon expeditiously and appropriately. The Board has developed a Request for MACC Legal and Advocacy Support form available on our website (www.maccweb.org) under the "Advocacy" tab. The form requests fundamental information related to the case, such as the parties involved, but also its factual issues and procedural history (which can determine the issues to be addressed in the brief). Of equal importance is the requested legal synopsis to briefly identify the primary legal issues and statutory/regulatory or policy authority at issue and explain why the applicant/requestor believes this case would be important to and/or consistent with MACC's mission. The form is sufficient to provide a basic skeleton to direct MACC's further review. We trust that it will prove useful to attorneys in framing their strategy and goals in seeking MACC legal involvement.

Kenneth Whittaker is an attorney with the Boston law firm Adorno & Yoss and is also an MACC Director.

Conservation Conundrum: Grassland Habitat Management in Wetlands

By Laura Mattei

In 2005, the EOEA put forth a Comprehensive Wildlife Conservation Strategy that identifies grasslands as one of the habitats in greatest need of conservation in the Commonwealth. Over the last 100 years, we have seen a decline in early successional habitats – grasslands, shrublands and young forests – as our land use has shifted from agrarian to commercial, industrial and residential. Lands that remain undeveloped have succeeded or are succeeding to forests. This means that we are losing grassland habitat and the biodiversity that goes along with it.

The term “grasslands” is used as an umbrella term to refer to a variety of grass-dominated communities that are predominantly the products of human activities. “Grasslands” includes active pastures, hay fields, abandoned fields, native upland grasslands (dominated by little bluestem), savannahs and wet meadows.

MassWildlife and the Natural Heritage & Endangered Species Program encourage landowners to protect, restore and maintain grassland habitat. MassWildlife’s Landowner Incentives Program (LIP), with funds from the federal government, is providing financial support to private landowners to establish and maintain early successional habitats. Due to federal constraints on this funding, it is not available to municipalities.

The surge in activity to create and maintain grasslands has created controversy in the conservation community. Some Conservation Commissions do not understand the value of grasslands or do not understand how to permit them within the requirements of the Act. In several cases, Conservation Commissions have reluctantly agreed to allow clearing of invasive shrubs to improve or expand grasslands, but have not allowed the clearing of areas dominated by native wetland shrubs. In one situation, the Conservation Commission was supporting grassland

(Conservation Conundrum, continued on page 6)



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(Continued from page 1, Highlights from the 2008 Conference)

make an exception for MACC. One of the highlights of his speech from the standpoint of Conservation Commissions had to do with Commission authority to impose consultant fees for project review. Secretary Bowles stated that EOEEA, in conjunction with MassDEP, is working on a guidance letter that will clarify that MassDEP will uphold denials by Conservation Commissions in cases where applicants refused to pay requested consultant fees. He explained that this would be the case except in extraordinary circumstances where a requested fee is clearly exorbitant or the consultant review is clearly not needed. Of course, Commissions cannot impose consultant fees without the legal authority to do so. The best way to obtain such authority is to adopt regulations pursuant to General Laws Chapter 44, Section 53G. The MACC Environmental Handbook explains how.

Secretary Bowles was introduced by MACC's longtime friend state Senator Pamela Resor. MACC's new President, Frederick Fawcett II, introduced Senator Resor with words of thanks for her many years of accomplishments protecting the environment. Senator Resor's long and distinguished career included a stint as MACC's Executive Director. After nine years in the House and another nine in the Senate, Pam Resor plans to retire at the end of her current term. Her tremendous leadership in the Senate on behalf of the environment will be sorely missed, but Senator Resor plans to continue promoting protection of natural resources after her retirement in yet unspecified ways.

Within the Opening Session MACC held its Annual Meeting, with voting members comprised of all member Conservation Commissions. Frederick Fawcett II was elected as MACC's new President. After a distinguished year of service Michael Sites became Past President. Sally Zielinski, MACC's former Executive Director, became President-Elect. E. Heidi Ricci was elected Vice President for Advocacy. Amy Ball became Vice President for Education. Jo-Anne Burdin was elected Treasurer, and Nancy Yeatts was elected to another term as Secretary.

Framingham Conservation Agent Michele Grzenda was elected to a three-year term on the board as well as receiving an MACC Environmental Service Award. Donald MacIver left the MACC board after a tremendous 20 years of service – thank you Don!

MACC presented Environmental Service Awards to five individuals. Assistant Attorney General James Milkey was given an award for Outstanding Public Service. LeeAnne Connolly was named Conservation Administrator of the



From left to right: Fred Fawcett, Jennifer Steele, James Milkey, Michael Sites

Year (from Belchertown). Michele Grzenda and Jennifer Steele, Framingham's Conservation Agent and Assistant Agent respectively, were given an award for Outstanding Achievements in Community Conservation, Outreach and Open Space Stewardship. Francis W. Hatch, Jr. was given a Lifetime Achievement Award for his work in passing some of the original legislation to protect wetlands in Massachusetts. The 1965 Hatch Act (which protected inland wetlands) as well as the 1963 Jones Act (which protected coastal wetlands) were combined in 1972 to become the Massachusetts Wetlands Protection Act.

The conference also featured 25 workshops on a wide variety of topics, and more than 50 exhibits from vendors of environmental products and services, state agencies and other environmental organizations. MACC offered four units of the Fundamentals for Conservation Commissioners training program (1, 3, 5, 6), as well as the newly revamped Advanced Certificate Program Core Day: Wetlands Ecology and Conservation Biology.

MACC wants to extend its sincere thanks to this year's conference sponsors, led by NSTAR Electric and Gas (see page 11 and the MACC website for full list). Sponsorship support of MACC translates into a better conference and much needed training and materials for Conservation Commissions across the state. Thank you!

I also want to thank everyone who worked so hard to organize and execute the conference: the volunteers, staff, exhibitors, and of course workshop and training program speakers. Everyone did a marvelous job under difficult (snow) conditions.

Based on participant complaints last year, this year we discontinued use of school buses to transport conference attendees to lunch in favor of passenger vans. The change was made because, unlike a school bus, the smaller vans fit

(Highlights from the 2008 Conference, continued on page 11)

(Continued from page 3, *Conservation Conundrum*)

habitat maintenance (through mowing), but then the DEP over-ruled the commission after a neighbor appealed the project.

At a landscape scale, grasslands provide an important element of habitat diversity. Seven species of state-listed birds are highly dependent on grasslands of one type or another for nesting, migrations, or wintering habitat (mostly along the coast or on larger islands). Additionally, ecologists have documented the decline of several grassland-nesting bird species, including American bobolink, Eastern meadowlark and Savannah sparrow. In order to mitigate these population declines, we need to increase the amount of available nesting habitat. These habitats are also critical to a diversity of insects and plants.

Grassland habitat restoration typically involves clearing shrubs, and sometimes trees, around field edges or removing hedgerows that bifurcate fields. Edge habitats are known to support our more common wildlife species and have been shown to increase predation on nesting birds. Grassland birds seek out large fields for nesting (10+ acres for some species and much larger for others). Therefore, the quality of grassland habitat is greatly improved by the removal of hedgerows and shrub growth around field edges because it both increases the size of the habitat and removes sources of predation. Many native

pollinators and state listed plants require smaller, open wetlands that depend on periodic disturbances.

Research across the state shows that historical and pre-settlement land use practices, including fire, grazing and mowing, were the agents that kept many wet, grass dominated systems open. Many species dependent on these habitats are extremely rare or have been extirpated from the Massachusetts landscape. These species include species of turtles, butterflies and plants.

The crux of the argument rests on whether or not the proposed alteration is enhancing wildlife habitat values of the wetland. While clearing shrubs and trees represents a dramatic alteration of the wetlands, all interests of the Act are preserved and the wildlife value usually remains the same or increases due to the relative scarcity of grassland habitat. This issue involves some eco-philosophical questions that engender strong differences of opinion.

One focal point of the debate is how to define and measure restoration and enhancement, and to determine what state of habitat succession is desirable and in what balance across the landscape (which also brings into question the root resource management goals which are very much in transition now due to massive new influences related to climate change). There are several viewpoints on this. For example, under what circumstances should people today be managing wetlands in a way that artificially suspends natural habitat succession and requires intensive and perpetual human maintenance versus allowing wetland habitats to naturally evolve in structure and function? There are obvious present-day rare species and diversity issues to consider here, but a historical perspective also begs questions about what target species composition and habitat mix we should be managing for.

In evaluating the language of the Act, Section 10.53 (4) of the Wetlands Protection Act (part of limited projects) provides for projects that “will improve the natural capacity of a resource area(s) to protect the interests” of the Act and

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such projects may include “thinning or planting of vegetation to improve habitat value.” This language provides for the opportunity to manage wetlands for habitat value, but does little to provide criteria for such judgments.

To make headway, a new way of perceiving wetland resource regulation and management is needed that moves beyond the traditional framework of laws and implementation meant only to protect and mitigate against resource degradation and loss – to an approach designed to allow and encourage resource restoration and enhancement. Conservation projects necessitate a different set of review criteria than development projects, but all review criteria must continue to protect the eight interests of the Act.

This article initiates a conversation that we hope will culminate in policy guidelines from DEP that assist Conservation Commissions with reviewing and permitting habitat management projects essential to the conservation of the State’s biodiversity.

Laura Mattei is Director of Stewardship at the Sudbury Valley Trustees.

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Mending Massachusetts' Conservation Tapestry

By Bernie McHugh

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We mark the first year of Governor Deval Patrick's tenure in the Corner Office by heralding an extraordinary achievement by the Governor and his team, especially Secretary of Energy and Environmental Affairs Ian Bowles. Working with state land agencies like the Department of Fish & Game (DFG), and the Department of Conservation & Recreation (DCR), Land Trusts, and Conservation Commissions, more than 250 private landowners in Massachusetts placed more than 11,000 acres of their land under permanent conservation protection in 2007. This doesn't even include the 2,000 or more acres that were acquired outright by land trusts, towns and the state. This is a great accomplishment and a testament to the power of the Commonwealth's most successful public-private partnership, the one between government and the non-profit land conservation sector.

It is more than a success for the new Governor, Secretary, and Commissioners, though. It marks a hard-earned and well-deserved victory for the staff and managers of the state's conservation and environmental

agencies, who were decimated and demoralized by four years of calculated mismanagement under Governor Romney and his apparatchiks. Berated by Romney as "bureaucrats" and "deadwood," watching as colleagues were forced from their jobs, these unsung heroes quietly continued to hold



together the programs crucial to conservation. So when Governor Patrick and Secretary Bowles took office, they were met by a group of accomplished professionals, armed with a wealth of new ideas, and ready to get back to work protecting the environment of Massachusetts.

And the Governor has new ideas of his own. His vision of 10-15 new Signature Urban Parks, 10 or more large-scale Habitat Reserves, and Working Landscapes, a comprehensive set of programs to protect economically-important agricultural and forest lands, represent the long-missing "Smart Conservation" component of "smart growth." Anyone who doubts Governor Patrick's commitment to conservation should read his preamble to the Environmental Bond.

The Governor's new operating and capital budgets hold great promise for reversing the decline of the Romney years and repairing the damage done to Massachusetts' environmental infrastructure. The Environmental Bond has \$355 million for land protection over the next 5 years, and the Governor has pledged convincingly that he will invest at least \$50 million per year, and more if economic conditions permit it. This is a bold and unprecedented commitment. His just-filed operating budget restores funding for the Natural Heritage and Endangered Species Program of the Division of Fisheries and Wildlife, which has been critically underfunded by the Legislature for years, and promises \$100 million for the hard-pressed Parks of DCR.

It is hard to miss the excitement and sense of potential now being felt by Massachusetts conservationists now that the Commonwealth is making a renewed

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commitment to conservation. And private philanthropy is taking a new look at increasing its role in Massachusetts conservation efforts. A recent meeting organized by Secretary Bowles brought together the state's largest green groups with representatives of a dozen of the leading national and local foundations to discuss cooperative and large-scale efforts to protect both forested wildlands and working woodlands. And earlier this month the Massachusetts Wildlife Summit saw 100 of the state's leading conservationists, sportsmen, and environmentalists come together to explore ways to support the Division of Fisheries and Wildlife in implementing the comprehensive State Wildlife Action Plan, which is widely considered one of the best in the nation. It's been a long time since folks from the Environmental League of Massachusetts and The Nature Conservancy broke bread with the Massachusetts Sportsmen's Council and the Gun Owners' Action League. Perhaps the long-dormant "Guns & Roses" Coalition will rise again.

The Governor, Secretary and Commissioners are doing their part. Non-profits are stepping up their efforts. Donors and foundations are willing to give more. Now it's up to the Legislature - and YOU. The conservation champions in the Legislature will do their best, but it is we who must convince the rest, especially the leadership, of the importance of passing the Environmental Bond, the Natural Heritage line item, the Public Lands Preservation Act, and the Green Budget. Please be on the lookout for Action Alerts from the Massachusetts Land Trust Coalition, MACC and others and be ready to CALL or VISIT your legislator. Remember - if a Senator or Representative gets 6 contacts on an environmental issue, that's a landslide! You CAN make a difference!

Whatever early successes Governor Patrick might reflect upon as his proudest, he has given people who love the wildlife, landscape and natural beauty of Massachusetts much to celebrate in his first year. It's up to us to fulfill our end of the bargain and persuade the Legislature to do their part.

Bernie McHugh is Coordinator of the Massachusetts Land Trust Coalition and Editor of MassLand E-News. He is also a member of the MACC Board of Advisors.

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(Continued from page 1, *Farewell*)

time serving as Conservation Commissioners to protect natural resources. Commissioners are unpaid and seldom receive thanks (in fact in some communities they are obstructed by wrongheaded local politicians), and their commitment to natural resource conservation is an inspiration. To all current and former Commissioners I say: knowing and working with you restores and maintains my faith in humanity. As you sit behind folding tables in Town Hall listening to permit requests until midnight (with spouses waiting at home), you are enacting a spirit of individual and collective volunteerism that distinguishes you and benefits us all.

I have done my utmost at MACC to help you, and while I am proud of much of what I have accomplished, I wish I could have done more. Of course my efforts have only been a small part of the overall work of the MACC team. You should know that the staff and board of directors are working as hard as they can to meet the needs of Conservation Commissions. To that end, thanks to a grant from the Massachusetts Environmental Trust, MACC is in the early stages of an assessment of the training and support needs of Conservation Commissions that will, by July 2009, result in a long-term strategic plan to meet those needs. If you are contacted and asked to participate in this needs assessment, I hope you will take the time to do so.

I would like to say a few words about the impact of Conservation Commissions. Many Commissioners have lamented the fact that the Wetlands Protection Act and even local bylaws often don't adequately protect wetlands, rivers and other sensitive natural resources. They also highlight inadequate or nonexistent staff and other needed support. All of these complaints are accurate and justified, but there is a bright side. At least Massachusetts, unlike most states, has a moderately strong state law protecting wetlands and waterways. At least municipalities in Massachusetts, unlike anywhere else in the country (to my knowledge), have the home rule authority to pass and enforce wetlands protection bylaws and ordinances. Winston Churchill once remarked that "Democracy is the worst form of government, except for all those others that have been tried." Something similar could be said of the wetlands protection system in Massachusetts compared to the rest of the country. Should we rest on our laurels? Absolutely not – the functions of many wetlands and waterways are increasingly being damaged due to ever increasing development pressure and inadequate protections at the state and local levels. We should continue to demand stronger laws and more

resources for Conservation Commissions. However, a constant focus on where we fall short can lead to distress and fatigue. Take a moment from time to time to look at what we've accomplished over the last 50 years and are now accomplishing every day, and be grateful that we have at least our meager resource protection tools and thousands of fellow citizens willing to use them. I'd say the glass is about 2/3 full here.

In closing, I want to thank MACC's wonderful and supportive staff and Board of Directors for making the last five years the best in my career. It is true that I am leaving my staff role at MACC, but rest assured I will stay in close contact and I will remain your friend and strong supporter. Keep up the good work!

Ken Pruitt's last day as MACC's Executive Director is April 11. At press time, MACC is in the process of interviewing candidates for the position.

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(Continued from page 5, Highlights from the 2008 Conference)

under a low arch leading to the cafeteria, allowing MACC to provide door-to-door service. We also plan to add a third van next year to decrease wait times.

Thanks again to everyone – volunteers, speakers, exhibitors, sponsors, and of course everyone who made it through the snow to attend this year’s conference. See you next year!

Ken Pruitt is MACC’s Executive Director.



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Spring/Summer 2008 Educational Offerings



(Registration on page 14)

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are available to you this spring.
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North Shore Fundamentals For Conservation Commissioners Series

Saturday, May 3 (check-in: 8:30 a.m.)

9:00-11:30 a.m. **Unit 5** ~ Wetland Types: Their Functions and Values

12:30 - 3:00 p.m. **Unit 6** ~ Writing an Effective Order of Conditions

Saturday, May 10 (check-in: 8:30 a.m.)

9:00-11:30 a.m. **Unit 2** ~ Getting Home Before Midnight: How to Run An Effective Meeting

12:30 - 3:30 p.m. **Unit 4** ~ Plan Review & Site Visit Procedures

Saturday, June 7 (check-in: 8:30 a.m.)

9:00-11:30 a.m. **Unit 7** ~ Open Space Planning & Protection Techniques

12:30 - 3:00 p.m. **Unit 8** ~ Managing Conservation Lands

(For all of the above, materials included. Bring a bag lunch.)

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Basic/Intermediate Wetland Delineation Workshop with Ingeborg Hegemann and Patrick Garner

Stow Town Building, 380 Great Road, Stow

Saturday, May 31

(Check-in: 8:00 a.m.) Class 8:30 a.m.-4:00 p.m. (limit 20) (2.0 Advanced Credits)

This workshop is designed for Conservation Commissioners eager to learn more about wetland delineation methodology. Classroom activities will be designed for individuals new to delineation and will be a review for intermediate delineators. Participants will learn about wetland ecology - including hydrology, soils and vegetation - in addition to wetland delineation in Massachusetts using the DEP Manual "Delineating Bordering Vegetated Wetlands under the MA Wetlands Protection Act". Field activities will provide opportunities for beginner and intermediate teams. Participants will observe and discuss common wetland indicator plants, review soil test pits in both disturbed and undisturbed locations, and practice delineating a wetland. DEP manual included with registration.

Attendees should bring a bag lunch and come dressed for field work - sturdy footwear, long sleeves and long pants recommended. Refreshments and cool drinks will be provided.

**Basic Wetland Delineation
Workshops with John Rockwell**

Marion Town House, 2 Spring Street
Marion

**Basic Wetland Delineation: Soils
Saturday, May 17**

(Check-in: 8:00 a.m.) Class: 8:30 a.m.-4:00 p.m.
Focus is on hydric soils, indicators of wetland hydrology and understanding the DEP BVW Delineation Field Data form: Section II. Indicators of Hydrology (limit 15) (2.0 Advanced Credits)



**Basic Wetland Delineation: Vegetation
Saturday, June 14**

(Check-in: 8:00 a.m.) Class: 8:30 a.m.-4:00 p.m.
Focus is on wetland vegetation and understanding the DEP BVW Delineation Field Data Form: Section I. Vegetation. (limit 15) (2.0 Advanced Credits)

Lunch and DEP manual *Delineating Bordering Vegetated Wetlands under the Massachusetts Wetlands Protection Act* are included in each session. Bring pen/pencil and pocket calculator. Field work in the afternoon. Presented in cooperation with the Buzzards Bay National Estuary Program.

Participants in both workshops will become more familiar with the state methodology of wetland delineation through practice sessions, case studies and a field session; they will be introduced to plant identification and be shown how to use the DEP manual "Delineating Bordering Vegetated Wetlands under the Massachusetts Wetlands Protection Act".

Soil Science - Field Skills Workshop

Instructors: Peter Fletcher, Gillian Davies
Great Meadows National Wildlife Refuge
Sudbury

Thursday, July 10

(Check-in: 8:30 a.m.) Class: 9:00-4:00

Combination: lecture, slides, overhead transparencies, hands-on exercises, field exercise. Topics: Soils of Massachusetts; Geological Past and its Influence on Our Soils; Soil Texture - Percent Sand, Silt, and Clay; Soil Color; Describing a Soil Profile; Estimating Depth to Seasonal High Water Table. The afternoon field trip- work in small groups and describe different soil test pits in the field which will cover a broad range of soil features. Instructor will provide the field equipment needed for this exercise. Bring a bag lunch. (limit 25) (2.0 Advanced Credits)

**Hydric Soil Workshop
Field Identification,
Documentation and Delineation**

Instructors: Peter Fletcher, Gillian Davies
Garden in the Woods, Framingham

Thursday, July 17

(Check-in: 8:30 a.m.) Class: 9:00-4:00

Combination: lecture, slides, overhead transparencies, hands-on exercises, and field exercise. Topics: Upland Soils vs. Wetland Soils and Soil Features Associated with Wetlands. Several sites will be visited that have varied wetland and soil conditions. Participants will work in small groups and delineate the hydric soil boundary using the State DEP Methodology. Field equipment will be provided. Bring a bag lunch. (limit 25) (2.0 Advanced Credits)

MACC Spring/Summer 2008 Registration

Name _____
 Commission/Organization _____
 Address _____ work _____ home _____
 City/State/Zip _____ Phone (_____) _____
 E-mail _____

Please include payment and mail to: MACC, 10 Juniper Rd., Belmont, MA 02478. Member fee applies to Conservation Commissioners and staff when Commission's dues are paid and other MACC members. Non-members may receive member rate by joining MACC. Call for details – 617.489.3930. Cancellation must be received in writing (mail, fax, e-mail) at least 2 business days prior to a session. No refund or credit for less than 2 days notice. Credit may be applied to future programs. A \$10 processing fee will be deducted.

Fundamentals for Conservation Commissioners (North Shore Series)

(MACC Members \$45 per Unit; Non-members \$60)

Saturday • May 3 • Edgewater Technology, Inc., Wakefield		
Morning: Unit 5 _____ (c0317)	Afternoon: Unit 6 _____ (c0318)	\$ _____
Saturday • May 10 • Edgewater Technology, Inc., Wakefield		
Morning: Unit 2 _____ (c0319)	Afternoon: Unit 4 _____ (c0320)	\$ _____
Saturday • June 7 • Edgewater Technology, Inc., Wakefield		
Morning: Unit 7 _____ (c0321)	Afternoon: Unit 8 _____ (c0322)	\$ _____

Workshops

Basic Wetland Delineation: Soils (c0323)

(MACC Members \$85, Non-members \$100) *Limit 15* (2.0 Advanced Credits)

Saturday • May 17 • Marion Town House, Marion \$ _____

Basic/Intermediate Wetland Delineation (c0324)

(MACC Members \$85, Non-members \$100) *Limit 20* (2.0 Advanced Credits)

Saturday • May 31 • Stow Town Building, Stow \$ _____

Basic Wetland Delineation: Vegetation (c0325)

(MACC Members \$85, Non-members \$100) *Limit 15* (2.0 Advanced Credits)

Saturday • June 14 • Marion Town House, Marion \$ _____

Soil Science - Field Skills Workshop (c0326)

(MACC Members \$85, Non-members \$110) *Limit 25* (2.0 Advanced Credits)

Thursday • July 10 • Great Meadows National Wildlife Refuge, Sudbury \$ _____

Hydric Soil Workshop - Field Identification, Documentation and Delineation (c0327)

(MACC Members \$85, Non-members \$110) *Limit 25* (2.0 Advanced Credits)

Thursday • July 17 • Garden in the Woods, Framingham \$ _____

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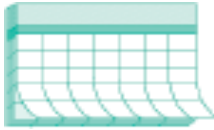
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CALENDAR

April 8, 2008. **Integrating Water Resources Management.** Sponsored by UMass Water Resources Research Center. UMass, Amherst. Visit www.WRRC.conference.com for details.

May 3, 2008. **Fundamentals for Conservation Commissioners** Units 5 & 6. Edgewater Technology, Inc., Wakefield. See pages 12, 14 for details and registration.

May 10, 2008. **Fundamentals for Conservation Commissioners** Units 2 & 4. Edgewater Technology, Inc., Wakefield. See pages 12, 14 for details and registration.

May 17, 2008. **Basic Wetland Delineation: Soils.** Marion Town House, Marion. See pages 13, 14 for details and registration.

May 19-20, 2008. **Hydric Soils.** Sponsored by UMass, Amherst. Visit www.UMassULearn.net for details.

May 21-22, 2008. **Advanced Hydric Soils.** Sponsored by UMass, Amherst. Visit www.UMassULearn.net for details.

May 31, 2008. **Basic/Intermediate Wetland Delineation.** Stow Town Building, Stow. See pages 13, 14 for details and registration.

June 7, 2008. **Fundamentals for Conservation Commissioners** Units 7 & 8. Edgewater Technology, Inc., Wakefield. See pages 12, 14 for details and registration.

June 12-13, 2008. **Inland Wetland Plant Identification.** Sponsored by UMass, Amherst. Visit www.UMassULearn.net for details.

June 14, 2008. **Basic Wetland Delineation: Vegetation.** Marion Town House, Marion. See pages 13, 14 for details and registration.

July 10, 2008. **Soil Science - Field Skills Workshop.** Great Meadows National Wildlife Refuge, Sudbury. See pages 13, 14 for details and registration.

July 11-12, 2008. **Wetland Delineation.** Sponsored by UMass, Amherst. Visit www.UMassULearn.net for details.

July 17, 2008. **Hydric Soil Workshop - Field Identification, Documentation and Delineation.** Garden in the Woods, Framingham. See pages 13, 14 for details and registration.

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