

Current Watershed Related Funding Opportunities, Workshops, Publications, etc

March 2002

Grant/Funding/Technical Assistance Opportunities

Nonpoint Source Implementation Grants (319 Program) RFR for the solicitation of proposals from cities and towns has been posted on Comm-pass.com.

[http://www.comm-pass.com/Comm-](http://www.comm-pass.com/Comm-PASS/Scripts/xdoc_view.idc?doc_id=013048&dept_code=EQE&cp_xx=)

[PASS/Scripts/xdoc_view.idc?doc_id=013048&dept_code=EQE&cp_xx=](http://www.comm-pass.com/Comm-PASS/Scripts/xdoc_view.idc?doc_id=013048&dept_code=EQE&cp_xx=) DEP

Contact: Jane Peirce, 319 Coordinator, at 508-767-2792 . Southeastern Massachusetts

Contacts: Jeff Brownell, NPS Coordinator at the DEP Lakeville Office (508-946-

2702) and Mark McQueen of the US Dept of Agriculture's NRCS Office in West

Wareham. [For more information on the 319 Grant Program go to](#)

<http://www.epa.gov/owow/watershed/wacademy/fund/nps319.html> Projects funded

under this federally funded program must implement measures that address the prevention, control, and abatement of nonpoint sources of pollution (NPS), and must result in restoration of beneficial uses or achieving or maintaining state water quality standards. The Department encourages applications from all Massachusetts watersheds. Preference may be given to projects that are located in watersheds targeted for implementation funding as part of the EOE A Watershed Initiative and that support the Watershed Initiative's priorities and the Department's ongoing basin-wide water quality activities. Identify those locations where water quality data shows impairment.

DEP Wellhead Protection and Source Water Protection Grant Programs. Round IV – 2002. The RFRs will be available by May 1st with a due date for proposals of June 21st. The Wellhead Protection Grant Program provides funding to public water systems (PWSs) and municipalities for developing and implementing wellhead protection projects and plans. Grants are open to all Community and municipal public water systems, and Non-Transient Non-Community public water systems that serve schools. Examples of projects: Develop or update local wellhead protection plans; Install water supply security measures; fencing, wellhead shelters, alarm systems, security cameras; Develop or update water supply emergency and contingency plans; Fund a local staff person to develop wellhead protection plans or implement protection activities; Remove sources of contamination from water supply areas; Conduct containment and improvement projects for septic systems, liquid hazardous materials, municipal waste, stormwater drainage. Applicants are encouraged to contact the Grant Program Manager, Catherine Sarafinas, at 617-292-5727 before May 1, 2002 to discuss potential projects and eligibility. This RFR will be available at <http://www.comm-pass.com/>.

DEP Source Water Protection Grant Program - Technical Assistance/Land Management

The RFRs will be available by May 1st with a due date for proposals of June 21st. These Drinking Water Program grants provides technical assistance to public surface and ground water systems with local and regional source protection efforts.

Funding for this program is provided from the Drinking Water State Revolving Fund. Up to \$245,000 is expected to be available during this funding round for grants of up to \$45,000. Public Water Systems and technical assistance providers such as Regional Planning Agencies, Conservation Districts, Land Trusts, Citizens' Groups, Business Associations, Volunteer Town Boards and Commissions, Educational Institutions, Watershed Organizations, State Agencies are encouraged to apply. Examples of Projects: Coordinate/improve emergency planning and response; Develop a surface water supply protection plan per DEP criteria; Address impacts from public access, wildlife, stormwater, etc.; Provide assistance to prioritize lands for protection and control; Address management of existing protected lands; Educate public officials, businesses and residents about local drinking water issues ; Establish network of volunteers to work with water supplier on protection program. **Applicants are encouraged to contact the Grant Program Manager, Kathy Romero, at 617-292-5727 before May 1, 2002 to discuss potential projects and eligibility.** *After that time, DEP cannot give feedback on project ideas.*

Northeast Rural Water Association (NeRWA) Drinking Water Source Protection Assistance. Through a grant by EPA, the Northeast Rural Water Association (NeRWA) offers assistance to small public water systems in MA, NH and VT (servicing less than 10,000 people on its distribution system) for drinking water source protection. NeRWA is currently seeking areas in Massachusetts which would benefit from their services. All services provided by NeRWA are offered free of charge. If you know of a community or region in your basin which would like to carry out drinking water source protection but which needs technical assistance to make it happen, please call MaryJo Feuerbach at (617)918-1578 or by email at feuerbach.maryjo@epa.gov. Candidate areas must be committed to working with NeRWA to further drinking water protection, have multiple public drinking water sources (minimum of 5 sources or systems using either surface water or ground water), and have potential sources of contamination to their sources.

Proposed MassWildlife's Natural Heritage and Endangered Species Program Request for Proposals for the 2002 Small Research Contracts will include priorities for projects, particularly those targeting aquatic species and aquatic ecosystems. "Researchers, scientists and naturalists are an important source of information on the status and distribution of many of our rare species and natural communities," notes Natural Heritage Program Coordinator Henry Woolsey. "Small Research Contracts enable us to reimburse individuals for expenses related to their investigations. By putting out specific Requests for Proposals, this year focusing on aquatics, we can solicit input in areas where our aquatic data is incomplete or unverified. This year, contractual work will contribute to the Aquatic Biodiversity Project, a new effort funded by the Executive Office of Environmental Affairs, to help protect the Commonwealth's freshwater biodiversity." The Project will be seeking information on the life histories and distribution of aquatic plants and animals to improve freshwater conservation planning. Watersheds such as the upper Westfield and lower Connecticut may be surveyed for macro invertebrate populations, location records for six state-listed rare snail species will be updated and systematic searches of freshwater systems on Cape Cod should be conducted looking for new occurrences of listed mussel species. Data is also being sought

on the distribution of two species of stoneflies and one caddisfly. Searches of known and historic sites of rare native aquatic plants may also be funded through the research contracts. Botanists, ecologists, entomologists and naturalists with a background and interest in aquatics are invited to contact the Natural Heritage and Endangered Species Program at 508-792-7270 x 200 for more information and a copy of the Request for Proposals.

Gulf of Maine Council on the Marine Environment,. Habitat Restoration Grants Program . Year One • Winter 2002, Deadline: postmarked no later than March 15,2002, This grant program is the first year of a three-year partnership between the US Association of Delegates to the Gulf of Maine Council on the Marine Environment (the Council) and the NOAA National Marine Fisheries Service's (NMFS) Fisheries Community-based Restoration Program. The purpose of this Partnership is to further the Council's goal of habitat restoration and to support a strategic approach to marine, coastal and riverine habitat restoration within Maine, Massachusetts, and New Hampshire. The Partnership is inviting eligible organizations to compete for funding made available through this grant. Eligible organizations: Non-governmental organizations (e.g., community associations, cooperatives, civic groups), municipalities, schools, tribal, and state governments are eligible to apply. Awards will range between \$5,000 and \$25,000 for site-specific project design and planning activities and \$10,000 to \$50,000 for project implementation including monitoring. Awards outside of these ranges will also be considered. For more information contact Christy Foote-Smith at (617) 292-5991 or by e-mail at christy.foote-smith@state.ma.us and website: http://gulfofmaine.org/habitat_restoration_grants.html

The American Sportfishing Association's FishAmerica Foundation (FAF) and NOAA Community Based Restoration Program are now requesting proposals for the first round of FY 2002 funding. All projects that result in on-the-ground habitat restoration in marine, estuarine and anadromous fish habitats are encouraged to apply. Applicants are encouraged to have strong partnerships and cooperation from local community groups and citizens. FAF typically funds small scale grass roots efforts ranging from \$5,000 - \$30,000 that clearly demonstrate significant benefits to coastal and anadromous fisheries resources especially sportfish. **Deadline: March 11, 2002.** The Request for Proposal and the FAF Application are attached. Please distribute this material to all your local contacts. The RFP and application can also be found on our website under funding opportunities at <http://www.nmfs.noaa.gov/habitat/restoration/community/index.html>

American Rivers- NOAA Community Based Restoration Program Partnership Grants. Proposals are sought for community-based river restoration grants as part of the new partnership with the National Oceanic and Atmospheric Administration (NOAA) Community-Based Restoration Program. Grants are designed to provide support for local communities that are utilizing dam removal or fish passage to restore and protect the ecological integrity of their rivers and improve freshwater habitats important to migratory (anadromous) fish. Grants will be limited to projects in the Northeast, Mid-

Atlantic and California. Eligible groups will demonstrate how their project: 1) will successfully restore anadromous fish habitat, access to existing anadromous fish habitat, or natural riverine functions; 2) is the correct approach, based on ecological, social, economic and engineering considerations; 3) will minimize any identifiable short- or long-term negative impacts to the river system as a result of the project; 4) has had community involvement in project decision-making and may have community involved in the implementation and 5) will have the potential for public outreach and education. Successful applicants will be given non-renewable grants to assist in the technical application of fish passage or dam removal. **Deadline/postmarked by: April 1 in 2002.** Contact American Rivers to discuss potential projects prior to submitting an application. Guidelines: <http://www.amrivers.org/damremoval/grantguidelines.htm> Application : <http://www.amrivers.org/damremoval/application.htm> For more information contact Peter Raabe, River Restoration Finance Associate, American Rivers at rivergrants@amrivers.org

New England Grassroots Environment Fund. This small grants program is designed to foster and give voice to grassroots environmental initiatives in the six New England states. Grants of up to \$2500 are provided to fuel civic engagement, local activism, and social change. For more information: <http://www.grassrootsfund.org/r> contact Cheryl King Fischer, Exec. Director at 802-223-4622.

American Rivers-NOAA Community-Based Restoration Program Partnership Now Accepting Proposals for River Restoration Grants. American Rivers is seeking proposals for community-based river restoration grants as part of its new partnership with the National Oceanic and Atmospheric Administration (NOAA) Community-Based Restoration Program. These grants are designed to provide support for local communities that are utilizing dam removal or fish passage to restore and protect the ecological integrity of their rivers and improve freshwater habitats important to migratory (anadromous) fish. Grants will be limited to projects in the Northeast, Mid-Atlantic and California. Eligible groups will demonstrate how their project: (1) will successfully restore anadromous fish habitat, access to existing anadromous fish habitat, or natural riverine functions; (2) is the correct approach, based on ecological, social, economic and engineering considerations; (3) will minimize any identifiable short- or long-term negative impacts to the river system as a result of the project; (4) has had community involvement in project decision making and may have community involved in the implementation; and (5) will have the potential for public outreach and education. Successful applicants will be given non-renewable grants to assist in the technical application of fish passage or dam removal. **Deadline: April 1 in 2002.** For more information go to www.nmfs.noaa.gov/habitat/restoration/community/index.html and contact Peter Raabe in Washington DC at (202) 347-7550 x3006 Email: rivergrants@amrivers.org .

DEP Municipal Recycling Grants Available. For all of you dealing with municipalities that might have an interest in recycling, composting, hazardous waste (solid waste reduction) technical assistance grants and/or recycling and related equipment grants/ etc., you might want to look on our recycling web page to see what is available

this grant round. A copy of the grant application package is available on www.state.ma.us/dep/recycle/cities.htm

Massachusetts Environmental Trust Unrestricted Grants Program RFR for fy2002 programs (July 1, 2001 to June 30, 2002) Go to Trust website for more information. <http://www.agmconnect.org/maenvtrfrs.html> . The Trust is soliciting proposals for fiscal year 2002 grant programs. **Funding will be made available between July 1, 2001 and June 30, 2002.** The Trust's nine grant programs offer a broad range of opportunities to further the protection and enhancement of the state's natural resources for current and future generations. Each program has specific guidelines for application and independent review procedures. No other formal RFR for formal grant programs are anticipated for fy02. Grant Programs: General Grants (\$200,000 available); Biodiversity (\$100,000); Environmental Education (\$100,000); Environmental Monitoring (\$100,000); New Horizons (\$100,000); Community Foundation Endowment (to community foundation capacity development only); Direct Grants (\$250,000); and Small Foundation Partnership Initiative (\$50,000). (<http://www.agmconnect.org/maenvtr7.html>)

CPR Grants and No Discharge Areas. Look for funding opportunities to implement vessel pump-out facilities. Both mobile and fixed vessel pump-out facilities can be funded through the CPR Program. South Coastal Contact: Jason Burtner, South Shore Coordinator, Massachusetts Coastal Zone Management, c/o Stellwagan Bank National Marine Sanctuary, 175 Edward Foster Road, Scituate, MA 02066, MA 02066. Phone: (781) 545-8026 x209

Meetings/Workshops/Conferences, etc.

Massachusetts Watershed Coalition Annual Meeting. The event will take place Saturday, March 30, 2002 from 9:00 am - 4:00 pm at the Colonial Hotel in Gardner, conveniently located just off Route 2. There will be working sessions in the morning and afternoon for watershed groups, Teams, and other partners to decide key actions to be taken over the next six months to improve the MWI. Your valuable input at this meeting will help shape the MWI Strategic Plan to better serve communities and protect our river systems. Tickets for the event are \$25, which includes lunch and refreshments. If you wish to attend the working sessions but will not be staying for lunch, there is no fee. Pre-registration for the meeting is required. Call the Coalition at 978-534-0379 or email us at mwc@commonwaters.org. You can also register by mail: P.O. Box 577, Leominster, MA, 01453-0577. If you'll be joining us for lunch, please indicate if you'd like a vegetarian meal.

Museum of Science Lecture Series: *New England's Forests in a Changing Environment.* Presented by the University of New Hampshire and USDA Forest Service New England's backyard, the 26-million-acre Northern Forest, is changing. Industry, agriculture, and land use are altering the natural balance of a region that is economically and ecologically important to us all. In this lecture series, ecologists and earth scientists who study northeastern forests discuss their current research and

recent efforts to determine the complex interrelationships among climate, air pollution, soils, and forest health.

- Wednesdays, 7:00 p.m., Cahners Theater, Museum of Science.
- Free tickets are available beginning at 6:00 p.m. Go to the registration table in the Museum lobby.
- Seating is limited: first-come, first-served.
- Sponsored in part by the Lowell Institute. Presented collaboratively with the USDA Forest Service.
- For more information, call (617) 589-0419 or (617) 589-0223 (TTY).

Schedule of Lectures

March 6, 2002 *Global Change in Our Backyard: Effects on the Northern Forest*, Scott Ollinger, Ph.D., Research Assistant Professor, Complex Systems Research Center, UNH

March 13, 2002 *Studying New England Forests: A View from Space*, Mary Martin, Ph.D., Research Assistant Professor, Complex Systems Research Center, UNH, and Marie-Louise Smith, Ph.D., Research Ecologist, USDA Forest Service, Northeastern Research Station

March 20, 2002 *A Case Study in Ecology: Sugar Maple in a Changing Environment*, Richard Hallett, Ph.D., Research Ecologist, USDA Forest Service, Northeastern Research Station, and Scott Bailey, Ph.D., Research Geologist, USDA Forest Service, Northeastern Research Station

Creative Solutions for Your Planning and Zoning Problems Conference. DHCD is a member of the Citizen Planner Training Collaborative (CPTC), a collaborative made up of members from Umass Cooperative Extension, MA Federation of Planning and Appeals Boards, MA APA, regional planning agencies etc. CPTC will be hosting "Creative Solutions for Your Planning and Zoning Problems", a conference on March 9th at the Hogan Center at Holy Cross College in Worcester geared toward municipal officials. There will be a variety of topics, ranging from open space subdivisions to 418 and the Community Preservation Act. More information on the conference can be found at <http://www.umass.edu/masscptc> for anyone who is interested.

Statewide Community Preservation Act Conference. The Executive Office of Environmental Affairs and the Community Preservation Coalition will be holding a Statewide Community Preservation Act Conference on March 16th. Come and learn about the innovative Community Preservation Act, how it works, how to get it adopted in your community, and how to implement it. The conference will be held at Tuckerman Hall in Worcester from 8:15 a.m.-12:30 p.m. Participants may attend workshops on understanding, adopting and implementing the Act. Find out about the state's Community Preservation Initiative. Share information about the community preservation efforts that are underway in your city or town and hear about other efforts across the Commonwealth. Please call 617-626-1166 to R.S.V.P. Space is limited. If you have any questions, please contact Dawn Henderson of the Executive Office of Environmental Affairs by March 6th at (617) 626-4907 or email at <mailto:dawn.e.henderson@state.ma.us> Because seating is limited, please R.S.V.P. by March 6, 2002: 1) By phone: (617) 626-1166; 2) By fax: Attention: Dawn Henderson @ (617) 626-1181; or 3) By mail: EOE, Community Preservation Conference, 251 Causeway St., Boston, MA 02114 Please provide the following information when you R.S.V.P.: name, address, affiliation, telephone number and email address.

Environmental Bond Bill. On February 13m 2002, the House Committee on Long-Term Debt favorably reported out the Environmental Bond Bill (H. 4213, Section F). The total amount was decreased from \$750 million to \$625 million. More details to come, however, EOEA was required to deauthorize additional accounts from previous bond bills over and above what they had already offered for deauthorization. Chairwoman Parente stated that accounts that are at zero or close to it (e.g., APRs, Self-Help, Urban Self-Help), would receive 100% of what had been in the original version of the bond with the remaining programs to receive cuts in the 20-40% range. In addition, no new positions could be paid for using bond funds. The bill will now go to House Ways and Means for consideration. If you have any questions, please contact Nancy Goodman at 617-742-2553 or mailto:ngoodman@environmentalleague.org

Spring Community Preservation Institute Courses. Applications for the spring Community Preservation Institute courses in Westborough, Lowell, and Dartmouth are now available. The Institute, established in the spring of 2001, is a joint venture between my office and the University of Massachusetts designed to help Massachusetts' leaders explore tools, techniques, and resources to use in their communities to help them make informed decisions about community growth. The Community Preservation Institute represents the next phase of the Community Preservation Program. By offering a certificate program that exposes students to a variety of integrated topics including open space and natural resource protection, historic preservation, adaptive reuse, and transportation, students can learn about ways that they may help shape their communities as they continue to develop and evolve. Contact: Leslie Ackles at the UMass Donahue Institute, at (617) 367-8901.

Vernal Pool Workshops for Educators - If you're a teacher in a Massachusetts public or private school - Apply now to attend a FREE vernal pool workshop, sponsored by the Executive Office of Environmental Affairs. Seven workshops are scheduled statewide from late March to early May . For more information to http://www.vernalpool.org/wksp_01.htm . The workshop for the South Coastal area is on April 6th at the South Shore Natural Science Center, Norwell, MA. These workshops are for educators by invitation only and require that you apply. They begin at 8:30 AM and run until 3:30 PM. Taught by Vernal Pool Ecologist Matt Burne, and Leo Kenney and Mike Harney of the Vernal Pool Association, the workshops include a full day of exploration to learn about the characteristics and inhabitants of vernal pools, certification and protection of vernal pools and integrating vernal pool studies into science and environmental curriculums. Participants will receive the teacher resource kit "Diving into Wicked Big Puddles", complete with a set of 90 slides, "A Field Guide to the Animals of Vernal Pools", posters of vernal pool species and other materials. The workshop will provide 6 hours of training which can be combined with a project produced by the teacher to acquire 10 Professional Development Points as both MassWildlife and the Vernal Pool Association are approved providers of teacher recertification training. For more information and an application, contact MassWildlife's Natural Heritage and Endangered Species Program, 508.792.7270 x200.

EPA is offering its 5 day introduction to water quality standards course in

Washington, DC on February 25 - March 1 and March 11 - March 15. The course is a comprehensive and highly structured course that introduces participants to all aspects of the water quality standards program, including the interpretation and application of the water quality standards regulation; policies and program guidance; and the development of water quality criteria (human health, aquatic life, sediment, nutrient, and biological). The course is designed for those with fewer than six months of experience with water quality standards. For more information on the course, visit <http://www.epa.gov/ost/standards/academy.html> on the Internet.

Arsenic in New England: A Multidisciplinary Scientific Conference. May 29 - 31, 2002; Manchester, New Hampshire. Exposure to arsenic in drinking water represents a significant health problem for people around the world. This problem is of particular significance in New England, where soils and water contain elevated levels of arsenic. Though exposure to arsenic has been linked to increased risk of cancer, heart disease, diabetes and reproductive disorders, the mechanisms for disease are poorly understood. This two-and-a-half day, multidisciplinary scientific conference will provide participants with an overview of new findings by researchers from a wide array of disciplines, from geology to molecular biology. Presentations and discussions will focus on arsenic's natural occurrence in ground water, controls on the mobility of arsenic in ground water, * mechanisms of action as a toxin, effects on human health, environmental impact and movement through ecosystems, and regulation and remediation strategies. Registration can be done online on the conference web site. Registration Deadline is May 1, 2002. For details see the Conference web site:

<http://www.dartmouth.edu/~cehs/ArsenicConference/indexAS.html>

EPA is sponsoring a Wetland Photo Contest focusing on images that show the functions and values of wetlands. EPA is seeking high quality photographs of wetlands in different regions of the United States and at different seasons of the year. The winning photographs will be displayed at the National Wetland Awards ceremony in Washington, DC in May 2002

and will be used in an EPA wetland poster and publication. For more information on the contest, visit <http://www.epa.gov/owow/wetlands/photocontest.html> on the Internet.

President Bush announces a new EPA watershed-based initiative as part of his fy2003 budget that targets federal funds to support communities with the tools they need to preserve, protect, and restore waterways. "The Governors are being invited to help design the details of the program, and EPA plans for the states to take a leadership role in nominating candidate watersheds. Experience shows that partnerships for protection work. The strongest candidate communities will involve a broad spectrum of affected interests in achieving clean and healthy watersheds. Watersheds transcend political, social, and economic boundaries. Therefore, it is important to involve all the affected interests such as representatives from private landowners, public interest groups, industry, academic institutions, concerned citizens and local government. This ensures that environmental objectives are well integrated with those for economic stability and

other social goals." <http://www.epa.gov/owow/watershed/initiativefs.html>
http://www.epa.gov/epahome/headline4_012502.htm



Wetland Safeguards Questioned by New Nationwide Permits

Washington, DC, January 15, 2002 (ENS) - Developers will no longer have to restore or create new wetlands acre for acre when they drain or fill existing wetlands under regulations reissued Monday by the U.S. Army Corps of Engineers. While the Corps says this newest version of the rules strengthens wetlands protection, environmentalists say the result will be increased water pollution, aggravated flooding and loss of wildlife habitat. For full text and graphics visit: [http://ens-news.com/ens/jan2002/2002L-](http://ens-news.com/ens/jan2002/2002L-01-15-01.html)

[01-15-01.html](http://ens-news.com/ens/jan2002/2002L-01-15-01.html)

PUBLICATIONS; Announcements, etc.

FYI - A multitude of watershed-protection tools is now available for your use from the Natural Resources Conservation Services' Watershed Science Institute website (four categories and hyperlinked to NRCS):

- [Planning Tools](#)
- [Stream and Wetland Restoration](#)
- [Nutrient and Pest Management](#)
- [Conservation Buffers](#)

Massachusetts Volunteer Monitor's Guidebook to Quality Assurance Project Plans - the how to's to writing a QAPP is now available for downloading at the DEP web site <http://www.state.ma.us/dep/brp/wm/wmpubs.htm>

Restoring Riverfronts: a guide to selected federal funding sources
<http://www.amrivers.org/riverfronttoolkit/fundingreport.htm>

American Rivers has prepared this directory of selected federal funding programs to help communities take advantage of sources of federal assistance that might be tapped for riverfront revitalization and restoration efforts.

The purpose of this directory is to provide basic information to river advocates and communities on a selected array of federal programs, ranging from technical assistance to grants and loans.

New York State Stormwater Management Design Manual. The Center for Watershed Protection is pleased to announce the completion of the "New York State Stormwater Management Design Manual." The Manual provides designers with a general overview on how to size, design, select, and locate stormwater management practices at a development site to comply with NY State stormwater performance standards. This manual is a key component of the Phase II State Pollution Discharge Elimination

System(SPDES) general permit for stormwater runoff from construction activities from all sizes of disturbance. The manual can be found at <http://www.dec.state.ny.us/website/dow/swmanual/swmanual.html> and can be downloaded for free.

Stormwater Practices for Cold Climates: free for download at the Center for Watershed Protection! <http://www.cwp.org/cold-climates.htm> Together, these files contain the complete text of *Stormwater Practices for Cold Climates*, which is no longer available in print. The document explores some of the challenges of cold climates, such as freezing temperatures and high runoff during snowmelt events, and their influence on the effectiveness of traditional stormwater practice designs. Included are descriptions on modifications that can be made to traditional practices to make them more effective in these environments. Combined files are approximately 43 pages, not including appendices. "**Massachusetts Volunteer Monitor's Guidebook to Quality Assurance Project Plans**". The how to's to writing a QAPP is now available for downloading at the DEP web site <http://www.state.ma.us/dep/brp/wm/wmpubs.htm>

The 1992 Water Conservation Standards and the latest water conservation questionnaire have been added to the Interbasin Transfer Web page: <http://www.state.ma.us/dem/programs/intbasin/download.htm>

Land Use data for all 351 municipalities have been updated using 1:25,000 color infrared photography flown in 1999. All towns now have land use data for 1971, 1985, and 1999. The 283 towns that were previously updated to 1999 have been slightly modified to clean up slivers and fine-tune edge-matching between towns. Updated metadata is at <http://www.state.ma.us/mgis/lus.htm>. All towns have been reloaded into the library and onto the FTP site. On the download page (<http://www.state.ma.us/mgis/ftplus.htm>), each town's data file includes a polygon history table for that town. Users also may download the zipped statewide "PHS" table (952,168 records). See the status map at http://www.state.ma.us/mgis/st_lus.htm, which displays the towns that had other pre-1999 land use data updates (1951, 1990, 1992, 1995, 1997).

USGS has new online web maps of chemical concentrations in surface and groundwater. Check it out at http://orxddwimdn.er.usgs.gov/servlet/page?_pageid=543&_dad=portal30&_schema=PORTAL30

EPA draft guidance - National Management Measures to Protect and Restore Wetlands and Riparian Areas for the Abatement of Nonpoint Source Pollution. Guidance is intended to provide technical assistance to State, local, and tribal program managers and others on the best available, economically achievable means of reducing nonpoint source pollution of surface and ground water through the protection and restoration of wetlands and riparian areas, as well as through the implementation of vegetated treatment systems. The deadline for comments was on February 4, 2002. Comments may be sent to Christopher Solloway of EPA's Nonpoint Source Control Branch at

solloway.chris@epa.gov. For additional information on this document visit <http://www.epa.gov/owow/nps/wetmeasures/>

Massachusetts Drought Management Task Force - a drought advisory for state of Massachusetts has been issued from the National Weather Service, Taunton MA. For the details go to their website: <http://205.156.54.206/er/box/fcsts/BOSESFBOX.html>

1969 Plymouth County Soil Survey Maps Now Available Online!

<http://members.aol.com/plysoil/> The USDA - Natural Resources Conservation Service is in the process of updating the soil survey of Plymouth County, Massachusetts. The mapping is being made using high resolution color infrared aerial photography, remote sensing technology including Ground-Penetrating-Radar, Global Positioning Systems, and Geographic Information Systems to produce detailed and accurate soil maps.

Builders for the Bay <http://www.cwp.org/> -is a first-of-its-kind program aimed at reducing environmental impacts from residential and commercial construction within the Chesapeake Bay watershed. Under the leadership of the Alliance for the Chesapeake Bay, the Center for Watershed Protection and the National Association of Home Builders, Builders for the Bay will encourage the voluntary adoption of 22 site design principles that reduce the environmental effects of residential and commercial development. Over the next two years, the organizations plan to expand Builders for the Bay into at least twelve local jurisdictions in the Bay watershed. Read the full press release at http://www.cwp.org/builders_press_release_final.pdf.

"Turf Management for Municipal Athletic Fields". This publication was a priority project of the Ipswich and Parker Teams. It is filled with great information on environmentally sound management of athletic fields, including pest control, irrigation and turf grasses. The web site where the publication can be found is : <http://www.state.ma.us/dfa/pesticides/publications/turf.htm>

Job Announcements

The Gulf of Maine Council has secured funding for and has posted three (3) position announcements for full-time consultants to serve as: ***Environmental Monitoring Coordinator***, Public Education and Marketing Coordinator, and Science Translator. Details are on the Council's web site at [\[http://gulfofmaine.org/position_announcements.html\]](http://gulfofmaine.org/position_announcements.html). Application deadline is April 5, 2002.

Salem Sound 2000. a coastal watershed organization located in Salem, MA, seeks a part- or full-time ***Wetlands Project Coordinator***. Position Description: (funding dependent) coordinator for the fourth year of its volunteer wetland health assessment project. The highly successful program trains citizen volunteers to measure wetland parameters including birds, plants, water chemistry, benthic macroinvertebrates, tidal influence, fish, and adjacent land use. Volunteers use their training to collect field data on four salt marsh sites on the North Shore. The data collected on each parameter are used to assess

the overall 'health' of the wetland sites pre- and post-restoration. See the attached announcement and find more details on Salem Sound's web site [<http://www.salemsound.org/>].

North and South Rivers Watershed Association (NSRWA). The NSRWA is a non-profit organization that works to protect the natural resources of the North and South Rivers and their tributaries on the South Shore of Massachusetts. The mission of the NSRWA is to preserve, restore, maintain and conserve in their natural state, the waters and related natural resources within the watershed. The NSRWA is seeking a summer intern to assist our expanding water quality monitoring program. For 8 years the NSRWA has conducted a RiverWatch Program which monitors 10 sites along the North and South Rivers for fecal coliform bacteria. Last year the NSRWA expanded its monitoring role by leading two Stream Teams that are targeting efforts on specific segments of the Rivers. The summer intern will be asked to work with the Stream Team members and NSRWA with its water quality monitoring efforts. We are seeking a graduate student or experienced undergraduate student with knowledge of estuarine ecosystems, river ecology, water quality monitoring, QAPP development, Excel and/or FileMaker Pro, and excellent oral and written communication skills. Candidates must also have access to a car for fieldwork.

Where: working out of the NSRWA office at 214 South Street in Norwell, MA; When: flexible start and end dates: May – Sept 2002; Hours: ~20 hours per week; Pay: Stipend of \$1,500 for the summer (subject to grant approval); Please send a resume and cover letter by April 19, 2002 to: Alison Demong, Attn: Summer Internship, NSRWA, PO Box 43, Norwell MA 02061, Fax: 781-659-8168 (please call first), www.nsrwa.org, NSRWA is a regional partner of the Massachusetts Bays National Estuary Program

Cape Cod National Seashore fellowship opportunity. for this summer in the natural and social sciences and natural resource conservation. Please forward to potential applicants. We are currently soliciting proposals for the Nickerson Conservation Fellowship Award. Proposals may address the following interest areas or another topic related to the management of the seashore's resources. Preference will be given to projects that are directly associated with the Seashore and those that will directly result in management recommendations that assist in the protection of the seashore's resources. Some areas of interest for consideration might include: Sedimentology of the Herring River System, Wellfleet, Massachusetts; Restoration of a Small Demonstration Bog in the Pamet, Truro, Massachusetts; Mapping of present waterways in coastal flood plains with emphasis on the tidally restricted portions; Sulfur and iron cycling in Ryder Pond, Truro, Massachusetts; Developing the vegetation maps for Cape Cod National Seashore. Proposals should briefly outline the objectives of the study, and include methods and budget. Emphasis should be placed on how the study will increase conservation efforts or contribute the protection of the Seashore's natural and cultural resources. Each proposal should not exceed three pages. Requests for funding through this Fellowship will be considered for up to \$2500 per year. Deadline: April 1, 2002. Housing may also be provided. Contact: Nancy Finley at the Cape Cod National Seashore at (508) 349-3785, ext. 216.

George A. Zoto, Ph.D.
South Coastal Watersheds Team Leader
Massachusetts Watershed Initiative
Executive Office of Environmental Affairs
20 Riverside Drive
Lakeville, MA 02347
T 508.946.2739 F 508.947.6557 E george.zoto@state.ma.us
URL:<http://www.state.ma.us/envir/mwi/southcoastal.htm>