

# Yankee Engineer

U.S. Army Corps of Engineers, New England District, Volume 52, No. 8 May 2019

Building Strong<sup>®</sup>



District team discuss careers, encourage  
studying during STEM event

Story on page 6

# Yankee Voices



Christine Jacek and Janet Patev

## Keep your dog safe in hot weather

Dogs are often like members of the family, so you will want to treat them with care during hot weather. Here are a few tips to keep them happy and healthy:

- Never leave your dog – or any animal – in the car during hot or even warm weather. The interior temperature of your car can easily soar to 120 degrees in just minutes.

- Keep your dog away from fertilizers, plant foods and insecticides. They can be fatal if your pet ingests them.

- Make sure your pet always wears an ID tag. Even if your dog has an embedded identification chip, you'll still want to make sure he has a tag so that he can be returned quickly to you if he is found.

- Give your dog prescribed heartworm medication on a regular basis.

- Make sure your pet has plenty of water and shade outdoors.

*(First Draft Magazine)*

## Corps of Engineers awards contract for electrical upgrades at Black Rock Lake in Thomaston

by Timothy Dugan  
Public Affairs Office

Electrical upgrades at Black Rock Lake in Thomaston and Watertown, Connecticut, will be completed under the terms of an \$117,529 contract recently awarded by the New England District. Work will be accomplished by Grot, Inc., of Lexington, Kentucky. The contract was awarded on May 17.

Once a notice to proceed is issued by the Corps of Engineers, work will be authorized to start. Construction will extend over a one-month period occurring in the summer or fall of 2019.

Work on this project includes demolishing three existing pole-mounted transformers; contracting with the utility to provide pole mounted transformers on the utility pole; providing meter socket; providing overhead conductors from the utility transformers to the meter socket and from the meter socket to the project office; replacing the single phase generator enclosed circuit breaker with a non-fused disconnect; replacing the transformer switch and panelboard located in the project office; providing circuit breaker in panel MDP-1; providing feeder splice in a new pole-mounted junction box; replacing the service entrance enclosed circuit breaker located in the gate tower; providing a main circuit breaker in Panel-B; and installing a new grounding system to provide for lightning protection.

The project will be managed by the Corps and all work will be accomplished under the supervision of a Corps' Quality Assurance Representative to assure compliance with contract requirements.

Black Rock Lake on Branch Brook in Thomaston and Watertown was completed in 1971 at a cost of \$8.2 million. More than 2.8 billion gallons of water can be stored behind the 933-foot-long, 154-foot-high dam. To date, \$217.1 million in damages have been prevented. An estimated 150,000 visitors annually enjoy hiking, fishing and hunting on the 319 acres of land and water at Black Rock Lake. Visitors spend an estimated \$0.95 million within 30 miles of the lake. An estimated 27 jobs in the local community are supported by visitors to Black Rock Lake.

For more information call 860-283-4900 or 860-283-5540 or visit <https://www.nae.usace.army.mil/Missions/Recreation/Black-Rock-Lake/>.





Kayakers cast off for the Westfield River Wildwater race.

Photo by Matthew Coleman

## Corps supports rafters on Westfield River with Littleville, Knightville Dam white water releases in Huntington

**By Timothy Dugan  
Public Affairs Office**

The New England District performed controlled releases of water from Knightville Dam and Littleville Lake Dam in Huntington, Massachusetts, on Saturday and Sunday, April 20-21, to provide river flows for recreational canoeing, kayaking and rafting on the Westfield River.

The District provided water release flows from Knightville Dam of approximately 1,000 cubic feet per second (cfs) and from Littleville Lake Dam of approximately 400 cfs on Saturday and Sunday from about 6 a.m. to 3 p.m. Those flows supported the 66th annual Westfield River Wildwater Races, according to Knightville Dam's Project Manager Matthew Coleman.

About 140 participants and close to 300 spectators took advantage of the water release for recreational purposes.

Knightville Dam was constructed at a cost of \$3.3 million. The 1,200-foot-long, 150-foot-high dam can impound a 49,000-acre-foot reservoir (equivalent to 15.8 billion gallons of water).

Since its construction in 1941, the project has prevented flood damages of \$338 million (\$645.3 million, adjusted for inflation). More than 41,000 annual visitors enjoy the variety of recreational pursuits available at Knightville, including picnicking, hiking, fishing, hunting, horseback riding and cross country skiing and snowmobiling.

For details call the Park Ranger staff at Knightville Dam at (413) 667-3430 or visit the website at <https://www.nae.usace.army.mil/Missions/Recreation/Knightville-Dam/>.

Littleville Lake, on the Middle Branch of the Westfield River in Huntington and Chester, is 1,360 feet long, 164 feet high and cost \$6.8 million to construct. The reservoir can hold a 23,000-acre-foot pool or 7.5 billion-gallons. It has prevented flood damages of \$152.8 million (\$225 million, adjusted for inflation) since it was placed in operation in 1965.

The reservoir area offers many recreational opportunities including picnicking, fishing, hunting, canoeing, boating, nature study and cross country skiing and snowmobiling (on marked trails), and attracts more than 39,000 visitors annually.

For details on Littleville Lake call the Park Ranger staff at (413) 667-3656 or visit the website at: <https://www.nae.usace.army.mil/Missions/Recreation/Littleville-Lake/>.



New England District Team Members gather in the Concord Park cafeteria for Maj. Gen. Milhorn's Virtual Town meeting.

Photo by Brian Murphy

## North Atlantic Division Commander discusses state of the Division during virtual Town Meeting

Maj. Gen. Jeffrey Milhorn, North Atlantic Division Commander, held a virtual Town Meeting, April 22 to discuss important issues affecting the Division.

Maj. Gen. Milhorn welcomed the audience and thanked the Division team for what they do each and every day. He talked about the new NAD video that has been compiled. Starting and ending with Maj. Gen. Milhorn, the video cuts to all of the District Engineers in NAD and gives them a few minutes to talk about their District and the current projects they are working on. The video can be found here: <https://www.dvidshub.net/video/673712/north-atlantic-division-us-army-corps-engineers>.

"This is another tool we can use to educate others in what we do," said Maj. Gen. Milhorn.

The NAD Commander mentioned that summer was fast approaching and with that comes increased safety precautions at our recreation areas. He urged the

Park Rangers, Project Managers and the entire Division Team to re-emphasize the Corps Safety Message. He also said that Hurricane Season is also fast approaching.

The town hall gave him an opportunity to publicly thank Wes Coleman who served as the NAD programs director for seven months on a temporary assignment. The general said that the time Coleman spent at the Division was invaluable and presented him with a Commendation Medal for his exceptional service working with the Division. The Division Commander also welcomed several new staff members to his team and wished those departing the Division well in their new adventures.

Maj. Gen. Milhorn talked about the different surveys the team has been asked to take and how they were an important aid for him to help improve the Division for the team members. He talked about DPMAPS and how it was the supervisor's obligation to complete evaluations on time to avoid any lapses. He said it is important to take care of

employees from the time they come on board, to the time they retire. Maj. Gen. Milhorn talked about the different programs around that the Division has for new employees and it was important to establish mentorship relationships for them with more experienced employees so that they can carry on the work when the older employees retire.

Maj. Gen. Milhorn urged senior staff to track onboarding procedures of new employees and decrease the time it takes for them to get a CaC card so they can start working and becoming part of the team. He thanked the HR Team for all of their hard work in helping streamline the hiring and onboarding process. They have trimmed down the time to get a new employee onboard to about 85 days, a time that was once in the triple digits.

The Division Commander said that the ultimate goal would be to have someone come to an Industry Day and walk out with a job in hand.

Maj. Gen. Milhorn said that the Division needs to look at retention of those employees once they get on board and what incentives are available. He said that he is always looking for opportunities to make work life better and said that the Division is currently in a fact finding phase to do just that.

The Division Commander discussed National Sexual Assault Month and said that there is absolutely no room for that kind of behavior in his Division. He said he will not hesitate to terminate team members

who do not treat their fellow team mates with respect and dignity and will hold supervisors accountable.

Wanting to keep an open door policy and to be able to address concerns of the Division team, Maj. Gen. Milhorn reminded everyone about his Commander's In-Box and urged people to go there and leave comments and suggestions.

Maj. Gen. Milhorn gave updates on projects and issues around the Division to include a proposal to replace the half-century-old Dredge MCFARLAND, emergency response during hurricanes and other disaster response. He offered his services to speak with Congressmen and senators on Districts' behalf if the Commanders feel he is needed.

The Division held a tabletop exercise for emergency operations where all the Districts coordinated with other agencies to include FEMA during the imagined superstorm, according to Maj. Gen. Milhorn. He talked about several meetings he will attend on emergency operations as hurricane season approaches.

Maj. Gen. Milhorn emphasized cybersecurity and reminded people to take their CaC cards out of their machines before leaving the office. He said it is important to defend the Division's network and talked about some ideas on how to practice safe cybersecurity.

After a question and answer period, Maj. Gen. Milhorn thanked everyone again for all of the hard work they do every day at the Division and ended the meeting.



## Waiting for calmer waters

The U.S. Army Corps of Engineers dredge CURRITUCK tied up in the West Boat Basin in the Cape Cod Canal on April 19 when strong winds and bad weather arrived in Cape Cod Bay, forcing the dredge to seek calmer waters. The CURRITUCK was transiting the Cape Cod Canal heading to Green Harbor, Massachusetts for dredging work. (Photo by John MacPherson)

## District team discuss careers, encourage studying during STEM event

When more than 200 middle school girls climbed out of their school buses and piled into Avon Middle-High School in Avon, Massachusetts, one could wonder who was more excited about being there – the students or the presenters.

Six New England District engineers and biologists volunteered their time to participate in the Schools-to-Careers annual Girls STEM event entitled “Middle School Girls STEM Meet Up!” at the Middle-High School, May 9. The Corps of Engineers was one of several organizations that had representatives at the event to speak to the children and about their careers in STEM. Presenters could be seen poking their heads out of their preparation rooms as the girls arrived, excited to get the event started.

According to Katherine Touafek, Director of Schools to Careers, the seminar included hands-on activities and presentations from STEM professionals from leading companies. “Girls will have the opportunity to ask questions, make connections to classroom content and learn to dream big,” she said. “Girls will be empowered with inspirations and armed with the knowledge of how to start their journey right now.”

Touafek said that originally 175 girls were scheduled to come, but she kept getting calls from teachers asking to bring more girls. “I wasn’t going to say no,” she said. “I just wanted to make sure I had enough supplies and pizza. It all worked out.”

David Heislein, engineer and coordinator for the New England District volunteers said that this event was important and that what the presenters showed the students would extend beyond the 200 girls that physically attended. “This means a lot to these young women and the teachers,” he said. “The teachers also take what they learn and incorporate it back into their classroom curriculum. These students are the future scientists and engineers that will inherit our jobs in the future.”

The day began in the school’s theater with a video chat with guest speakers, Col. (ret.) Samaris and his wife, Chief Warrant Officer 3 (ret.) Kathleen Samaris. Col. Samaris is the former New England District Commander and Mrs. Samaris is a retired Army helicopter pilot who flew missions all over the world to include Iraq and Afghanistan. The Samaris’ provided a PowerPoint presentation for the girls to enjoy prior to their presentation. Both of the Samaris’ talked about members of their families in the military for several generations and about their own military careers. Col. and Mrs. Samaris are both war veterans who were on multiple deployments all over the world during their time in service.

The guest speakers told their audience that they were no math scholars when they were in Middle School



Photos by Ann Marie R. Harvie

Students enjoy a cup-stacking activity during the STEM Event at the Avon Middle-High School

– just average students with lots of different interests, like them. But as the Samaris’ individually progressed in their education, they realized that they would have to study to get good grades in college. Both speakers urged the audience to study hard and stay in school and not to give up if they are having some trouble in math and science, but to be vocal and ask for help. The Samaris’ concluded their talk with a question and answer session.

After the guest speakers’ presentation, the girls were divided into groups that would rotate through the various rooms holding the guest speakers. Jeanine Cline, engineer, gave a presentation on electrical engineering work at Corps projects. She showcased several projects, describing what they were and how electricity factored into the project. Projects included Fox Point Hurricane Barrier in Rhode Island, the Townshend Dam and Knightville Dam Gate Tower. She concluded by telling the girls the types of careers that they could go into if they took electrical engineering in college, to include: electrical designer, lighting design, lighting manufacturer, lighting sales representative, equipment manufacturer, equipment sales representative, telecommunications and electronics.

Rosemarie Bradley, marine biologist, said that when she was in middle school she wanted to be a marine biologist and watched a television show featuring Jacques Cousteau every Saturday. She told the girls that the creator of the cartoon “SpongeBob Square Pants” was a Marine Biologist who wanted people to watch the show and be inspired to take care of our oceans.

Bradley talked about her career and her professional journey, letting her audience know that much like the Samaris’ she wasn’t very good in math, but that did not stop her from pursuing a career in science. She explained

that she went to UMASS Dartmouth and went out on their ship every week to collect marine samples and do research. She had volunteered at the New England Aquarium collecting water samples from the marine exhibits and she got up close with dolphins, sea lions and sea turtles. She even got to be a guide on the whale watches.

Bradley went from her time at school to the beginning of her career and talked about the projects she worked and the adventures she had while working at the Massachusetts Department of Environmental Protection and the Federal Emergency Management Agency, U.S. Fish and Wildlife, the U.S. Forrest Service, the White House Council on Environmental Quality and, of course, the Corps in New England. She told the girls that STEM careers are exciting and could take them on adventures they would never expect.

After Cline's and Bradley's presentations, the girls participated in a Cup Tower exercise before moving on to another session.

Kristine Reed, biologist, also represented the District. She talked about her life, growing up in a town similar to Avon and her academic journey through STEM. She also talked about her travels and adventures that various STEM related jobs took her to as well as the work she does with the Corps of Engineers. Originally, there was a computer activity the girls were invited to participate in, but Reed answered so many questions from the girls, there was no time.

Heislein talked about his career in STEM and talked about some of the work he has done. Some of the projects he discussed were Harbor Environmental Remediation, military range cleanup of explosives, the demolition of Gorham Mill and Mashapaug Pond sediment remediation and the Raymark Superfund Site in Connecticut.

After his presentation, Heislein hosted an aluminum foil boat experiment. The students were tasked to make aluminum boats that would be strong enough to hold as many coins as possible and not sink in a bucket of water. The children broke out into groups and designed their boats and then tested them out.

Janet Patev, engineer, asked the students why go into STEM and if they were curious and liked to solve puzzles and problems.

She gave many reasons why STEM is a career field to go into such as helping others and good employment opportunities. Patev talked about her background – her parents had both gone into science and engineering fields, how she went into geology but switched to engineering because engineers made more money. "Scientists study things," she said. "Engineers take that same knowledge and design new things to solve real-world problems."

Patev also served in the U.S. Army for a time and told



David Heislein talks to students about STEM related careers during his presentation to students at the Avon Middle-High School.

the students about what it was like as a woman serving in the Armed Forces. She then talked about some of the topics that come into her job as an engineer for the Corps of Engineers, especially dams. She discussed the different types of dams the Corps has, flood control, hydropower, water supply and dam safety. She concluded her presentation by answering questions from the students.

Immediately following Patev, biologist Christine Jacek talked to the students about her STEM career. Jacek attended UMASS Amherst and was a seasonal park ranger at West Hill Dam while she attended school. She left the New England District to become a park ranger at Tygart Lake and Dam in West Virginia. She returned to New England to become a biologist in Regulatory Division where she currently works. She discussed the different tasks required to do each job and how STEM was a large part of what she did every day.

After Patev and Jacek's presentations, the girls worked on a balloon rocket activity, designing and then launching their rockets to see how far they would go.

The Society of American Military Engineers, Boston Post Outreach Committee, provided the funding for the event and coordinated the presenters with the School to Careers Program.

Other companies and organizations who contributed to the event were Women Who Code, Vistaprint, Instron, Consigli Construction, Women in Engineering, EMP, Thoughtbot, Pluralsight, CDM Smith, Geosyntech Consulting and Analog Devices.

When all of the sessions were over, the students and presenters ended their day with a pizza lunch in the school

*Continued on page 9*

# District biologist completes fourth Boston Marathon

Michael Narcisi is a biologist in New England District's Planning Division. However, what some on the District team may not know is that he is also an avid marathon runner, completing his fourth consecutive Boston Marathon this year on Patriot's Day, April 15.

Friends and family tracked Narcisi online using his bib number and watched him complete the historic marathon in two hours, 54 minutes and 30 seconds. Narcisi's time placed him 1,608 overall out of the 26,632 runners who finished the race.

According to Narcisi, he has completed nine marathons all over the New England Region. He ran this year's Boston Marathon with his running club, the Sisu Project. "Five of us ran the marathon this year, but we all had our own different marathon paces and goals, thus ran our own individual races. Nonetheless, the moral support in the months leading up to the race is a constant and we did training runs together," he said.

Although running with thousands of other competitors, participating in a marathon is a solitary event because everyone is focused on their own performance. Narcisi says it's always appreciated when there are people in the crowd cheering the runners on, particularly when it's people the runners know. "My fellow teammates are always supportive and set up our team tent at Mile 18 just before the infamous 'Heartbreak Hill' where they scream and cheer for us as we pass by," he said.

So many details factor into running a successful marathon. Narcisi said that the hardest part of running this year's Boston Marathon was figuring out what to wear. In New England, the weather is different from one hour to the next and careful attention has to be



Photo by Caitlyn Gemain

Boston Sisu Project Team Headquarters supporting Mike Narcisi by giving him "high-fives."

paid to the very latest forecast. This year's weather accurately predicted heavy rains and gusty winds in the pre-race hours leading up to the marathon. According to Narcisi, runners wait for hours before its time for them to run – just enough time for Mother Nature to change her mind about the weather. "During this time, my race plan could be adversely affected if I don't come prepared," he said. "It's critical to stay warm, hydrated and fueled."

Security mandates don't allow participants to bring unlimited changes of clothing, food and drinks with them to the marathon. The Boston Athletic Association has strict rules that allow runners only one sealable bag to carry food, drinks and something to sit on. If

you are not prepared and forget to pack a crucial item, there's no going back. Fortunately, Narcisi is a seasoned marathoner and knew how to pack for the big day. "This year I managed to pack just right and ended up wearing the appropriate gear before and during the race."

Even for the most experienced marathon runners, the Boston Marathon is difficult – the first four miles have marathoners running downhill. But Narcisi had a plan carefully laid out and it worked as expected. "The best part of running the race this year was running a 'negative split,' which is marathon lingo for running the second half of the race faster than your first," he said. "My plan this year was to go

out conservatively, run the Newton Hills strong and come out the other end at Boston College more or less loving life, embracing the experience and running it strong all the way to the finish line. On this day I achieved my goal.”

Because Narcisi is an avid runner that consistently hits 60-70 miles per week, transitioning over to marathon training was not as hard for him as it was for others. “It’s more of a matter of me tweaking my training regimen to adjust for the length of the race and the pace I intend to run,” he said.

Narcisi starts to work long runs into his routine about three and a half months out from the date of a marathon. “I have a great 22-mile loop through several towns that are scenic and hilly, so I’ll run that loop during the weeks I’m scheduled for a long run and also throw in my target marathon pace for good measure.”

He says it’s important for him to train at his intended race pace so that his body will respond appropriately the day of the race.

“Another critical component of marathon training is working in appropriate recovery times between those high-volume weeks to avoid getting burned out or peaking too early in the training cycle,” he said. “It’s both



Photo by Brenna Narcisi

Mike Narcisi (right) shares a post-race celebration with his brother Eric after they both finished the Boston Marathon in 2017.

an art and a science.”

Narcisi was inspired to participate in marathons when his older brother Eric ran in the Boston Marathon in 2011. He began training in earnest in 2013 and ran his first marathon in Vermont in 2015. He ran his first Boston Marathon in 2016 and hasn’t looked

back. “I’ve been hooked ever since and will continue as long as my two feet allow me,” he said. “I appreciate the support of my New England District teammates as it’s nice to know people are interested. It helps to keep me motivated during those desolate, cold-winter night training runs.”

## District team discuss careers, encourage studying during STEM event

*Continued from page 7*  
cafeteria.

Touafek said that School to Careers received a lot of positive feedback from the students who attended the event.

Many were surprised at how many different careers were available in STEM and were interested in all the places one could go if they were in a STEM-related career.

“Each presenter that talked about her or his years in middle school really connected with the students,” she said. “To hear you

don’t need to be really good in math made them more open to STEM careers.”

The New England District has enjoyed a long standing partnership with the School to Careers Program, providing volunteers to take part in events throughout the year.

According to their website, for the past 20 years School To Careers has become Metro Boston’s longest running partnership serving 15 middle and senior high schools and providing approximately 4,500 opportunities each year to students and teachers.

SchooltoCareers is a partnership of opportunity and growth with all of their stakeholders across both private and public sectors. School to Careers task themselves with asking the important questions that make school and work relevant and exciting to everyday life.

The objective is to successfully transition each student into further training and education critical to a dynamic and highly skilled workforce that distinguishes Massachusetts as a place of opportunity.



Photos by James Airey, NH Division of Forests and Lands

Freshly cut trees are loaded onto a vehicle to be sold.

## Years of planning paying off on forest management practices at Blackwater Dam

by **Joshua Levesque**  
**Edward MacDowell Lake**

Earlier this year, the Blackwater Dam team and their partner, the New Hampshire Division of Forest and Lands, successfully completed a cut-to-length harvesting operation to implement a partial overstory (tree top) removal in order to regenerate White Pine trees at the Dam. This operation was the culmination of a 20+ year undertaking to establish a White Pine generation project on Corps lands.

The Corps of Engineers has had a license with the state of New Hampshire's Department of Natural and Cultural Resources for Wildlife and Forestry Management since 1989. Early in the 2000's a small 27- acre plot at the Blackwater project caught the attention of the State Forester for its potential regenerative qualities for white pine.

The tree, which is used in every aspect of the building and timber industry in the Northeast, has huge economic value both in terms of dollars and social economic importance. The trees offer wildlife value to a large diversity of species.

The State Forester proposed a small experimental shelterwood harvest that would incorporate three different stocking levels to determine how overstory stand density influences white pine regeneration. A shelterwood harvest is used to leave seed-producing trees uniformly throughout a section of the forest, also known as a stand. The ultimate focus was on managing for white pine, with a component of hemlock, red spruce and balsam fir, and to establish young successional growth for biodiversity. The state of New Hampshire is responsible for the proper management and execution of the long-term program and

developed a 25-year working forest management plan for each of the District's projects in the Merrimack River Basin.

In the winter of 2007 a decision was made to equally divide the timber harvest area into three, 9-acre stands. Within these three separate stands, tree density was reduced to 10 trees per acre in one stand, 30 trees per acre in another and 90 trees per acre in the last stand. In each case efforts were made to preserve a few of the most robust and healthiest pines, known as "seed tree cutting" –trees that are selected for their genetics and are intentionally left as a future seed source.

After a 10-year regeneration survey conducted by the State Forester James Airey, the results were clear -- the site conditions demonstrated exceptional regenerate qualities, but more importantly, the 10 tree per acre application clearly had the best results. The pine seedlings that began in 2007 were now nearly 20 feet tall in some cases and showing growths of 2-3 feet per year. Compared to the other two sites, the same aged pine were averaging less than half that height. This regeneration survey helped determine the next steps needed for future sustainable forest management in this area.

In 2018 a proposal was agreed to between the state and the Blackwater team to plan for a partial overstory cut. The management approach was to reduce stand density to 10 trees per acre within the two other stands in order to further encourage the white pine to regenerate. Within the stand initially cut to 10 trees per acre, the entire overstory was recommended to be removed to fully release the established, advanced white pine regeneration. The residual mature white pine trees left would provide some shade protection to seedlings in order to prevent damage by white pine weevil. These trees would also serve as a seed source for the recruitment of additional white pine seedlings.

A Cut-To-Length (CTL) harvesting operation was used in 2019 by the logging contractor for this overstory harvest. This cut operation allowed for the low-impact removal of timber. The equipment consisted of a Harvester that cuts the tree, de-limbs the stem, and then cuts the stem to length all directly at the stump. Additionally, delimiting occurs in front of the harvester, so the limbs and slash can be used as a mat upon which the machine travels. The CTL is also able to fell or place trees directionally resulting in considerably less damage to the white pine regeneration compared to the amount of stand damage and soil disturbance conventional harvesting does.

This timber harvest will create young forest habitat for many species of wildlife and build tree species diversity. Within the next several years, another regeneration survey will help determine the results of this timber harvest and the next steps. No Corps of Engineers dollars are used directly in the management of the lands, but rather income from the harvested timber is allocated as a resource that the state can use to resource the staff and equipment necessary to manager the program. Income from the timber can also be used for future projects, habitat improvements and towards providing sustainable Silviculture. All of the revenue generated at the project returns to the project.

The state of New Hampshire through their Department of Natural and Cultural Resources, and the State Forester James Airey, manages the majority of the lands at Hopkinton-Everett, Franklin and Blackwater for wildlife and forest management through the license agreement. Our partnership has developed a beneficial approach focused on maintaining a sustainable forest management program for conservation and other benefits as well as to provide for the greatest diversity of species indigenous to the surrounding area.



The New Hampshire Division of Forests and Lands performs a tree harvest. This timber harvest will create young forest habitat for many species of wildlife and build tree species diversity.

# Dredging up the past



Lt. Gen. Joe Ballard, Chief of Engineers, addresses the New England District team during a special town meeting held November 4, 1997 at the Waltham Federal Center in Waltham, Massachusetts.

First Class  
U.S. Postage  
Paid  
Concord, MA  
Permit No. 494

Public Affairs Office  
New England District  
U.S. Army Corps of Engineers  
696 Virginia Road  
Concord, MA 01742-2751  
Meter Code 40