



Annual Report 2021

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About the District

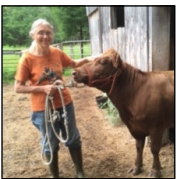
Celebrating 74 Years of Conservation & Education

Knox-Lincoln SWCD is non-regulatory community leader that responds to local natural resource issues. Our District has a long history of promoting the sustainable use of those resources through soil & water education for children and adults, as well as providing technical assistance and outreach to individuals and municipalities. These activities are guided by a board of five supervisors, one voting associate supervisor, and one non-voting associate supervisor, who serve as unpaid volunteers, as well as a part-time program manager, a part-time program coordinator, a part-time office manager and a part-time conservation technician .

Meet the Board of Supervisors for 2021 – Guiding the District into the Future



Mark F. Hedrich (Chair) has been an elected Supervisor since 1986. He and his wife, Linda Rose, own Agricola Farms, a diversified 117-acre farm in Union and operate Agricola Farms County Store. Mark received a B.S. in Animal and Veterinary Sciences from the University of Maine at Orono and an M.S. from Cornell University, specializing in ruminant nutrition. A former dairy farmer, Mark served as a member (and President) of the Executive Board of the Maine Association of Conservation Districts (MACD) and a member of the MACD Advisory Council. He also served as Councilman to the National Association of Conservation Districts, traveling extensively throughout the U.S. representing Maine. Mark was active with the Farm Service Agency County Committee for 21 years, serving as Chairman for 10 years. Currently, Mark is the State Nutrient Management Program Coordinator for the Maine Department of Agriculture.



Diane Schivera (Vice-Chair) recently retired from MOFGA, where she worked as a livestock specialist since 1998. Diane enjoys working on her small farm/homestead in Appleton that includes various livestock, vegetable and pasture fields, an orchard and wood lot - all of which aim for sustainable practices. Diane can also be found volunteering at Brae Maple Farm and serving on many nonprofit Boards.



Jeff Tarbox (Treasurer / Secretary) is the seventh generation to live on the Tarbox family property on Westport Island, Covelly Farm. The Farm today is primarily managed forest land, in tree growth, and Jeff has taken over active management from his father. Jeff also leases 30 acres of fields and woods to a MOFGA-certified mixed vegetable organic operation, Tarbox Farm, and supports their expansion of farming acreage and the implementation of NRCS-supported high tunnels and irrigation. The property also boasts Maine's first MOFGA-certified organic brewery, Sasanoa Brewing, and Jeff is the bookkeeper for the nano-brewery. Jeff serves on the Westport Island Select Board. Jeff brings to the board his decades of experience working in project management, finance and consulting for General Dynamics, Computer Sciences, and Deloitte Consulting.



Sharon G. Chadwick (Supervisor) lives with her husband, Gerald, at BenEva Farm in Warren, which was started more than 70 years ago by her grandparents, Ben and Eva Barbour. Sharon and Jerry "came home" to run the farm with Sharon's grandparents in 1988 and still operate as a conservation farm, raising commercial Black Angus beef for the freezer and feedlots, and selling hay. They engage in conservation practices with a manure storage facility, a heavy use pad area, a livestock barn and by developing a management plan for invasive plant species. Each year, Sharon looks to judging the Annual Poster Contest and helping out at the Conservation Fair and Plant Sale.



Nancy Prisk (Supervisor) lives on Southport Island and serves her community as a member of the Lincoln County Regional Planning Commission (for about 5 + years) and as a member of that Executive Committee for about 3 + years. In 2015, Nancy co-founded a local 501(c)(3) nonprofit organization Land for Southport's Future, an organization working within our community to preserve open land and natural habitats, in addition to public access to our shoreline. Several years ago, Nancy founded and now serves as the chairperson for the Southport Island Community Broadband Initiative. They have received a planning grant from the Island Institute and are actively moving forward with the intention to build a Fiber to the Home network to equally provide all island residents with affordable high-speed Internet service. Nancy is a nontraditional student at the University of Maine, Orono, engaged in studies towards an Interdisciplinary Masters in Land Use, Community Engagement and Native Studies.

Associate Supervisors for 2021: Karin Rector (voting) (retired; Camden and Union) and Barrie Brusila (Consulting Forester, Mid-Maine Forestry; Warren)

2021 Conservation Leaders

At our virtual Annual Awards Banquet in October, we recognized conservation leaders for their efforts & accomplishments.

Our Annual Banquet 2021 is available to be viewed on our website <https://www.knox-lincoln.org/annual-awards-banquet> using our new YouTube channel.

In October 2021, we heard from a panel of experts on Forest Carbon Mitigation:

Our panel of experts participated in the Governor's Forest Carbon Task Force and shared their research and experience.

- **Barrie Brusila**, Mid-Maine Forestry
- **Dr. Adam Daigneault**, School of Forest Resources, University of Maine
- **David "Tracy" Moskovitz**, Whitefield landowner



Watch on our YouTube channel:

<https://www.youtube.com/watch?v=znE29qFMxqo>

The District is committed to offering resources and technical assistance to advise Knox and Lincoln residents, business owners and non-profit organizations on numerous conservation practices; most significantly, no till or low till practices; use of cover crops; nutrient management plans; identifying invasive forest pests; invasive plant removal; planting native plants; buffer plantings; conserving rainwater; composting food waste; and participating in our Conservation Landscape Certification program. **For more information, please contact Knox-Lincoln SWCD at 207-596-2040 and/or info@knox-lincoln.org.**



Cooperator of 2021:

Merryspring Nature Center, Camden

for their multi-year commitment in identifying and managing invasive plants and their continued implementation and demonstration of conservation practices.



Conservation in Forestry:

Barrie Brusila, Mid-Maine Forestry, Warren for her work spanning several decades with the District, Envirothon, her forestry work in Knox & Lincoln counties, and most recently her contributions to the Governor's Carbon Task Force.



Conservation in Water Quality:

David and Melissa Boynton, Whitefield for their efforts in conserving water quality on their land.

Year in Review—Highlights of 2021

In 2021, Knox-Lincoln Soil & Water Conservation District scheduled an array of workshops and special events to a wide range of clients, including local landowners and communities throughout Knox and Lincoln counties. Our primary goal is to help individuals and communities in Knox and Lincoln counties maintain the highest quality environment possible through the wise use of land, water, forest, wildlife, and related resources. We strive to achieve this goal by providing educational workshops, materials, programs, and one-on-one assistance.

K-12 Education Programs

- **K-5 Poster Contest - “Healthy Forests: Healthy Communities”** District staff adjusted to the pandemic shutdown by providing online activities and resources, including offering a Maine Forest Service 30-minute video focused on healthy forests in Maine. Video is located on our website and YouTube channel. Seven schools participate; 10 classes and 89 posters. Category winners include:
- **Summer Eco-Explorer Kits**
Summer Ecology Camps in partnership with Merryspring Nature Center, Camden – Both the Eco-Explorers (ages 7-9) and Little Sprouts (ages 4-6) camps were cancelled. Alternatively, we prepared and provided a total of 240 free take-home Explorer Kits to area families over the course of eight weeks. Thirty of these kits were distributed per week.

K-5 Poster Contest Category Awards



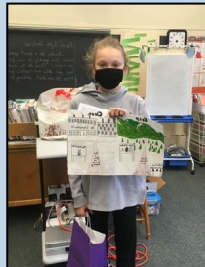
Overall Winner Grades K-1 Category: Cassidy Johnson, Union Elementary School



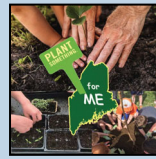
Overall Winner Grades 2-3 Category: Daisy Rhodes, Great Salt Bay School



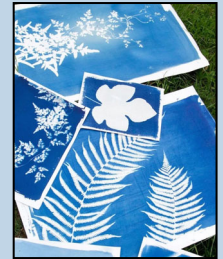
Overall Winner Grades 4-5 Category: Madelynn Lash, Friendship Village School



Some Explorer Kits Themes



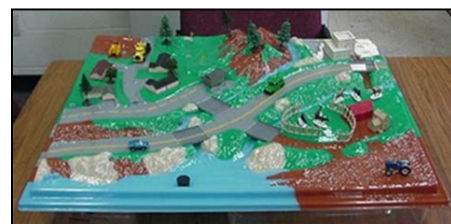
- “Plant Something for ME” included book, activities, soil and seeds



- “Solar Printing:” included solar printing kits generously donated by Bella Luna Toys
- “All About Apples” included activities and apples donated by local orchards for tasting and crafting.
- Invasive Insects included a “Build-a-Bug” activity

- **Watershed Model**

The District provided our Watershed Model to several schools for teachers to show how stormwater pollution and runoff occur when “rain” falling on the landscape carries soil (cocoa), chemicals (colored water), and oil (cocoa and water mixture) through the watershed to a body of water. Students learned about pollution prevention.



- Maine Agriculture in the Classroom ReadME Ag converted to an online reading program during Mar 22-26 held statewide. Volunteer readers chose an Ag related children’s book and activities to read to classrooms and schools statewide. KLSCWD continues to be an active participant in MAITC Board meetings and ReadME Ag programming.

Year in Review—Highlights of 2021

Adult Workshops & Trainings

• Agriculture/Gardening

- ◇ *Conservation Landscape Certification Program:*
 - Online presentation hosted by Boothbay Region Land Trust (Mar 31)
 - Online presentation hosted by Merryspring Nature Center (Apr 6)
 - In-person site visits for 18 sites within Knox & Lincoln counties.
- ◇ *Apple Pruning workshops* (Mar) 19-20 & Apr 20)



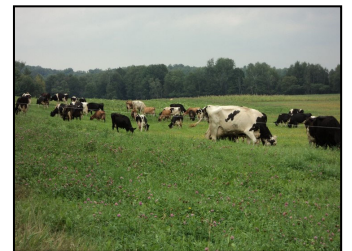
• Forestry

- ◇ *Forest Management Walk and Talk*, including invasive forest insects with Maine Forest Service forester and Dept of Wildlife & Inland Fisheries, Appleton (Apr 29)
- ◇ *Forest Walk 'n Talk* with NRCS, private forester, Maine Forest Service forester and Dept of Wildlife & Inland Fisheries wildlife biologist, Jefferson (Aug 11)
- ◇ *Forestry and Fall Foliage Walk 'n Talk*, including invasive forest insects with Maine Forest Service forester and Dept of Wildlife & Inland Fisheries wildlife biologist, Camden (Oct 8)



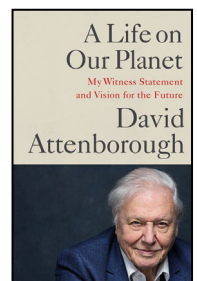
• Water Quality

- ◇ *Pond Construction & Maintenance workshop*, Rockport (Jun 4) Collaborated with Somerset SWCD.
- ◇ *Two online NWQI Information Sessions w/NRCS* (Jun and Dec) online
- ◇ *Pasture Management Walk and Talk* with NRCS, Whitefield (Sep 15)



• Soil Health & Climate Change

- ◇ *Forest Carbon Mitigation - Annual Banquet speaker panel* (Oct 20)
- ◇ *Outreach efforts to municipalities* re: our services, including Technical Assistance, resources and aerial photos
- ◇ *Online Environmental Book Club:* Discussed David Attenborough's *Life on Our Planet* over four Thursdays (Oct)
- ◇ Recommended to NRCS State Conservationist Locally Important Farmland Soils of Knox and Lincoln counties.



• Certified Contractor Training Courses

Partnered with the Maine DEP to offer:

- ◇ *Basic Sediment and Erosion Control*, Union (Sep 16)
- ◇ *Advanced Erosion & Sedimentation Control*, online (Dec 2)

Into Action on Invasive Plants

Knox-Lincoln Soil & Water Conservation District, recognized at the State-level for expertise in invasive plants, continues to take the lead in educating Maine residents beyond Knox and Lincoln counties on invasive plant identification, mapping invasive plant outbreaks, developing invasive plant management plans for property owners and conservation areas, and providing numerous resources on removal techniques and encouraging planting native perennials. We were fortunate to have Louisa Crane, Maine Conservation Corps Environmental Steward, Knox Lincoln Soil & Water Conservation District and Cassidy Gerrish, intern at Knox-Lincoln Soil & Water Conservation District to focus hundreds of hours on invasive plant removal at Merryspring Nature Center in Camden.



Overall Impact of Invasive Plant Removal Efforts and Volunteer Management at Merryspring Nature Center, Camden

In June 2021, Knox-Lincoln SWCD was fortunate to have Louisa Crane, Maine Conservation Corps Environmental Steward, Knox Lincoln Soil & Water Conservation District and Cassidy Gerrish, intern at Knox-Lincoln Soil & Water Conservation District to focus on invasive plant removal at Merryspring Nature Center in Camden. From June–October 2021, over four hundred hours were dedicated to removal efforts in several targeted areas. A combination of paid staff, volunteers and youth engaging in service projects collaborated on this monumental task.

Plants were removed using mechanical means including hand-pulling, digging, and cutting. Efforts were taken to prioritize the removal of plant roots whenever possible, although some large plants were just cut and will need to be re-cut because they will resprout. Many plants that were cut were tagged with pink flagging tape to help identify them when they resprout.

Percent cover of invasive plants was significantly reduced, but there do still remain some larger plants too large to remove with handsaws, seedlings, and occasional other plants that were missed. Overall, the understory in the targeted area is much clearer, many large fruiting buckthorn plants and other large plants were removed in wooded areas adjacent to the herb garden, and the vast majority of herbaceous plants were removed prior to seed set.

Louisa developed a volunteer manual and organized the adult volunteers for invasive plant removal at Merryspring Nature Center. Weekly volunteer events engaged 12 different adults, 5 of whom returned at least once to volunteer again. Overall, these volunteers assisted with making consistent progress

throughout the summer, and those that volunteered several times were able to experience the progress made throughout the summer and also gain more proficiency in invasive plant identification skills than those that only attended once.

For more information about invasive plants as well as best management practices for each species please visit the district's website at: <https://www.knox-lincoln.org/invasive-plants>.



Invasive plants identified and removed at Merryspring Nature Center in Camden in 2021:

- common buckthorn (*Rhamnus cathartica*),
- Asiatic bittersweet (*Celastrus orbiculatus*),
- Japanese barberry (*Berberis thunbergii*),
- shrubby honeysuckle (*Lonicera* spp.),
- Norway maple (*A. platanoides*),
- glossy buckthorn (*Frangula alnus*),
- burning bush (*Euonymus alatus*),
- common barberry (*Berberis vulgaris*),
- multiflora rose (*Rosa multiflora*),
- black locust (*Robinia pseudoacacia*), and
- autumn olive (*Elaeagnus umbellata*).
- Himalayan balsam (*Impatiens glandulifera*)

Conservation Landscape Certification



What is the Landscape Certification Program?

Knox-Lincoln SWCD is partnering with Waldo SWCD on a Certification Program for Conservation Landscapes. This certification program will help landowners implement conservation practices in a systematic way, with guidance and ideas from our staff and one-on-one help on your property. (One visit is complimentary per landowner with additional visits at the standard rate.) It is also a chance to measure your progress and share ideas and practices with your neighbors, friends and family.

Residents who complete the Conservation Landscape Certification:

- Receive a certificate and document that can support other conservation work, such as working with NRCS or state agencies.
- Can post our sign indicating your property is certified, which is a great way to start conversations with others about your efforts.
- Will be recognized in our Annual Report and at our Annual Awards Banquet.

More than 165 million acres in this country are devoted to neighborhoods, towns, and lands where we live and work. Implementing healthy conservation practices around our homes will create an environment where birds, butterflies and other creatures can shelter, find food, raise young and migrate. For larger properties, the way farm fields, pastures, edges, landscaped areas and woodlands are managed can make a great difference in supporting a connected, healthy ecosystem that ultimately keeps the land resilient and functional.



Go to the District's website for more information and checklists for both residential and forest/woodland properties.: <https://www.knox-lincoln.org/land-certification>

Why participate in the Conservation Landscape Certification program?

Here are some testimonials of participants in 2021:



"Since we began transforming lawns to beneficial landscapes we now are rewarded with an abundance of wildlife. We watch a variety of birds at our feeders and nesting boxes, bees and butterflies in our native flowers and observe a variety tracks in the snow.

I first learned about the Knox-Lincoln Conservation Landscape Certification Program at their wonderful annual plant sale. Staff then came to our home and spent hours asking questions and looking at plant types, habitats and water sources for wildlife. I learned a lot through the process especially that I still had invasive species that I hadn't identified and that beneficial insects need specific shrubs and bark types to overwinter.

The students in my after-school program also benefit as the program provides a purpose and goal for their learning and efforts. The Conservation Landscape sign initiates conversions as people walk by our home. Children eagerly invite visitors to follow the trails they constructed and see the many features including brush piles, bird feeders and baths and all the native plants.

It is a wonderful program as it provides information, support and beautiful plant materials to succeed. " L. Rutter, Camden

"Superb evaluation and recommendation staff have delivered. Thank you! We will refer to it regularly, and have already identified actions for this spring. We very, very much appreciate what you have done for us." G. Terrien, Rockland.

What's invading Midcoast Maine?

By Rebecca Jacobs, Program Manager, Knox-Lincoln Soil & Water Conservation District. Published in Courier-Gazette May 2022.

Have you been hiking lately and wondered what that plant is taking over the forest? Or maybe you are looking out your dining room window at a wall of “bamboo”. It is very likely that you are looking at an invasive plant. Invasive plants pose serious risks to the biodiversity and functionality of our ecosystems as well as our forestry and agriculture industries. Many landowners have invasive plants on their land or nearby and need help identifying the plants, want to understand how to control them or prevent infestation.

What is an invasive plants?

- 1) Is not native to the region;
- 2) Has spread or has the potential to spread into minimally managed habitats; and
- 3) Causes economic or environmental harm by developing self-sustaining populations that are dominant or disruptive to native plant and animal species.

Invasive plants threaten what we value about Maine's natural and working landscapes increasing costs increases costs for farmers and preventing forest regeneration. They negatively impact our recreational experiences and reduce the habitat value for mammals, birds, and pollinators. Invasive species like Japanese barberry and multiflora rose can form thorny, impenetrable thickets in forests and agricultural fields.

Invasive species are the second-greatest threat to global biodiversity after loss of habitat. Invading plants out compete native species by monopolizing sunlight, water, nutrients, and space. They change animal habitat by eliminating native foods, altering cover, and destroying nesting opportunities. Some invaders are so aggressive they leave no room for our native plants.

How can you control them?

There are two basic approaches to the address invasive plants: Physical and chemical. Physical removal can be approached with manual removal either by hand digging or mechanical removal with the use of a machine. Another type of physical approach is cultural, also referred to as interplanting. The goal is to plant native species in and around the invasive species to suppress further spread. The last type of physical removal is the use of biological methods. For instance, there is a beetle that feeds exclusively on Purple Loosestrife. However, this method requires a permit and is only an option for a few species.

The other approach to removal is chemical. This can be done by foliar spraying the leaves during the growing season. Care should be taken to only spray the invasive plant as ALL plants—good or bad—will die if the herbicide comes in contact with leaves. Foliar

spraying should be avoided when the plant is in bloom, as pollinators visiting the flowers of treated plant could be impacted. Another chemical approach is basal bark treatment which limits spraying to around the base of the plant only. The last approach, cut-stem treatment, offers a high success rate of eradication and/or suppression of the invasive plant and little to no impact on any other species. After physically cutting and removing the above ground portion of the plant, apply a solution of the recommended herbicide directly to the freshly cut stump. The herbicide will be absorbed systemically.

Ten invasive species to look out for:

Himalayan Balsam



An early detection species to be aware of is Himalayan Balsam an annual plant that can grow up to nine feet tall in one season! Another common name for this plant is “Pink Touch-me-not” as the seeds are released by spring-action when they are ripe. Blooms are bright pink and tubular shaped. Leaves are long and long and pointed along the edges. One plant can produce up to 800 seeds annually which remain viable for up to 2 years. They are shallow-rooted annual herbaceous plants, making them very easy to hand pull. There is a native “Orange Touch-me-not”. As the name implies, this species has orange blossoms and leaves have wavy edges.

Japanese Barberry



This is a dense and thorny shrub formerly grown in the horticultural industry for landscape plantings. Popular varieties were ‘Rosy Glow’ and ‘Crimson Pygmy’, both showcasing purple leaves. The shrub is widespread throughout Maine. It can create a dense understory in forested landscapes and can overtake unmanaged pasture lands. Scientific studies have also shown that the dense and thorny masses create ideal protection for ticks. Areas with large populations of Japanese Barberry often correlate with tick populations.

What's invading Midcoast Maine? (cont'd)

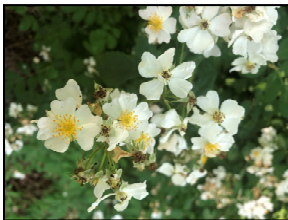
Shrubby Honeysuckle



A large shrub brought to New England for its fragrant ornamental flowers. It is common to see these shrubs in older well-established landscape plantings as well as abandoned agricultural fields and in open woodlands. Flowers bloom in June and range from white to yellow to pink. Stems are hollow. There is a native honeysuckle which blooms in late April/May and has solid stems making it easy to

distinguish between the two.

Multiflora Rose



An aggressive rose with long arching thorny branches. Flowers form in clusters and range from white to pale pink bloom June to July. If given the opportunity, it can form thickets, create dense edge borders between fields and forests and is tolerant of many soil types. Leaves are compound with seven

to nine leaflets per leaf. A unique identification technique is to look at the petiole of the leaf (leaf stem). Multiflora rose has fringed petioles. Our native roses have smooth petioles.

Common and Glossy Buckthorn



Glossy Buckthorn

These two lesser known invasive plants are large deciduous shrubs or small trees reaching up to 20' in height. Common Buckthorn have dull green deeply veined leaves with fine teeth along the edge, while Glossy Buckthorn, as its name implies, have glossy deeply veined leaves with smooth leaf edges. Leaves are alternate along the stem. Flowers are barely noticeable greenish yellow followed by red, purple and black fruits. Each species

can flower and fruit simultaneously. Buckthorns can easily be mistaken for alders, winterberry or dogwood seedlings when younger allowing for infestation to go unnoticed for several years. Common Buckthorn is generally found in more upland habitats. Glossy Buckthorn is generally found in more wetland habitat.



Common Buckthorn

Japanese Knotweed



A perennial, often referred to as "bamboo", forming dense thickets up to nine feet high in a single growing season. The plant aggressively outcompetes all other species creating a dense monoculture by way of rhizomes (horizontal underground stems). It is easily identified by the large leaves and zig-zag hollow stems. Flowers bloom August and September. It is commonly found along roadsides, waterways, and disturbed sites.

Burning Bush



Widely sold in the nursery trade until recently banned, this is a popular plant for its bright crimson fall foliage. Flowers are insignificant on this vase-shaped shrub which will readily spread into open forest habitat and roadsides. It can tolerate dense shade and will sprout by root suckers or seed earlier and more often than our native plants.

Asiatic Bittersweet



An aggressive woody vine made popular due to the attractive orange and red fruit and has been used to make ornamental wreaths. This vine will grow along the ground as well as overtop trees up to 50 high! These vines have the capacity to smother entire plant communities.

Garlic Mustard



This is an herbaceous biennial growing up to 3'. First-year plants look quite different than the second-year plants. First-year plants remain as basal rosettes with wavy round-toothed leaves. The second-year plant produces tall stems with small white flowers. Leaves on the stem are pointed and angularly toothed. All the plant parts when crushed smell like garlic, hence the common name. These plants are easily hand-pulled, but can spread aggressively in open and forested habitats when left unmanaged.

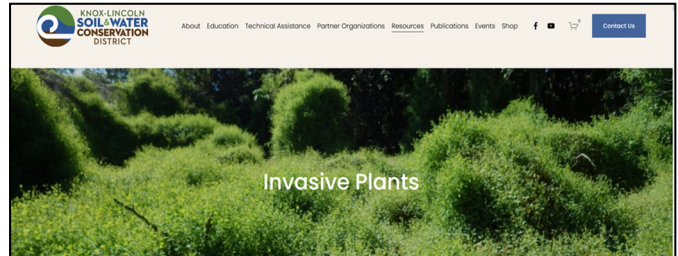
What's invading Midcoast Maine? (cont'd)

Norway Maple



A highly adaptable tree which outcompetes our native sugar maples amongst others. It has escaped cultivation and can create monoculture tree stands if left unmanaged. Norway and Sugar maples look similar as seedlings and mid-sized trees. The easiest distinguishing identification feature is to take a leaf and break it off the stem at the base of the petiole (leaf stem). If it oozes a white sap, it is a Norway Maple. If it oozes a clear sap, the tree is a Sugar Maple.

For more information about these and other invasive plants as well as best management practices for each species please visit the district's website at: <https://www.knox-lincoln.org/invasive-plants>



Maine Invasive Plants Field Guide



Available for purchase in our Shop on our website, this new field guide was released by Maine Natural Areas Program in June 2019.

The 3.75" by 8" guide covers **46 species** of terrestrial and wetland invasive plants and is waterproof, portable, and ring-bound to allow for future additions. Each species account includes key identification characteristics, growth form, habitats invaded, control methods, similar native and non-native plant species, and current status of the plant in Maine.

\$24.95 plus 5.5% sales tax = \$26.32
USPS shipping and handling (ME) = \$3.60
Total shipped in Maine = \$29.92

You can help map invasive plant species!

Report on iMap Invasives: www.maine.gov/dacf/mnap/features/invasive_plants/imap.htm



Conservation Fundraisers

Annual Spring Plant Sale

Knox-Lincoln SWCD has expanded the traditional “shrub sale” into a springtime event that not only provides high quality fruit and berry plants to local residents, but also native trees, shrubs and perennials. Along with this event being the largest annual fundraiser, the District’s goal is to provide the community with high quality, bareroot plants at very discounted prices. Selections are excellent for conservation and ornamental plantings, AND great choices for pollinators, beneficial insects, and wildlife.



In 2021 – with the help of 40+ volunteers who contributed 400+ hours of their valuable time to label plants and pack orders – we fulfilled and distributed 400 orders in a scheduled drive-thru pickup in May. We sold certified-organic, field-grown native perennials and herbs from Rebel Hill Farm in Liberty, ME. While many of the woody plants come “from away,” we have increased the number of “Maine grown” selections with trees and shrubs from Crystal Lake Farm & Nursery in Washington, ME.



The 12+ page catalog is a resource all on its own! It includes a description of each variety, planting tips, and links to fact sheets. Our online catalog has all the same information – plus pictures of the plants.

Spring Trout Stocking Sales

Every May, we sponsor an annual trout stocking sale for your home or farm pond. Private ponds that are stocked with trout provide multiple benefits for landowners and their families. Homeowners come back year after year for the rainbow and brook trout. In 2021, we had 41 residents stocking 2,200 fish in their farm ponds.



Backyard Composting and Rain Barrel Sale



In cooperation with Maine Resource and Recovery Association, we offer local residents the opportunity to improve soil and conserve water right in their own backyards at deep discount prices. In 2021, we continued to see a record number of property owners take advantage of this opportunity, particularly with installing rain barrels. In 2021, we had 90+ residents purchase various items throughout the year.



Photo: District Supervisors, Jeff Tarbox (Lincoln) and Diane Schivera (Knox) helping distribute the Backyard Sale orders in 2020.

2021 Business Supporters

Knox-Lincoln Soil & Water Conservation District extends our sincerest thanks and appreciation to the following agencies and businesses, who through their support in 2021, made it possible for us to provide educational programs and technical assistance to the residents of Knox and Lincoln counties. *Please thank them the next time you shop or connect with the following:*

ME Department of Agriculture, Conservation, & Forestry

Commissioners, County of Knox

Commissioners, County of Lincoln

Natural Resources Conservation Service

Bella Luna

Boothbay Region Land Trust

Boothbay Regional Water District

George's River Land Trust

Merryspring Nature Center

Midcoast Conservancy

Midcoast School of Technology

Sasanoa Brewery

Sundog Outdoor Expeditions

Viking Lumber

Waldo County SWCD



**Maine's First
MOFGA-Certified
Organic Brewery
Westport Island**



2021 Volunteers

The success of the District programs would not be possible without the dedicated efforts of our volunteers and supporters. In 2021, we benefited from hundreds of hours of volunteer service. Many volunteers return year after year.

A Special Thanks To.....

John Affleck

John Hayden

Diane Schivera

Barrie Brusila

Ciara Hayes

JB Smith

Elizabeth Borch

Mark Hedrich

Jean Smith

Ilmi Carter

Jude Hsiang

Joan Sommers

Sharon Chadwick

Bambi Jones

Jeff Tarbox

Genna Cherichello

Megan Lalli

Erika Taylor

Carole Cifrino

Patty McDonald

Mary Thompson

Keith Davie

Cindy Miller

Oliver Wentworth

Gabriella DeStefano

Dr. Mimi Moore

Joe DeStefano

Kristi Niedermann

and anyone we may have missed!

BJ Dobson

Robin Pickard-Richardson

Valerie Dornan

Gail Presley

Nicki Dunbar

Nancy Prisk

Sherry Frazer

Karin Rector

Tim Fortune

Trisha Rose

Catherine Gottshalk

Lynn Rutter

Allyssa Gregory

Sharon Sampson

Karen Haney

Marina Schaffler

Spotlight on KLSWCD

2022 District Supervisors & Staff

District Supervisors

- Mark Hedrich, Chair
- Diane Schivera, Vice-Chair
- Jeff Tarbox, Secretary/Treasurer
- Sharon Chadwick
- Nancy Prisk

Associate Supervisors

- Karin Rector, Voting Assoc.
- Barry Tibbetts, Voting Assoc.
- Barrie Brusila

Lifetime Honorary Supervisors

- Robert Spear
- Barry Tibbetts

District Staff

- Rebecca Jacobs, Program Manager
- Julie Sells, Office Manager
- Louisa Crane, Program Coordinator
- Mary Thompson, Conservation Technician

Consulting Engineer

- Chris Baldwin, District Engineer
Cumberland County SWCD

NRCS Staff

Belfast Field Office (Knox County)

- Ron Desrosiers
- Jorge Ortiz Montalvo
- Lindsay Fennell

NRCS Staff

Augusta Field Office (Lincoln County)

- Peter Abello
- Xandy Brown
- Carolina Luciano Ramos

Engineer

- Lori Richter, Agricultural Engineer
(Knox & Lincoln)

2021 Financial Report

2021 Operating Expenses		2021 Operating Income	
Salaries/Staff training	83,753.50	County & State Funding	92,943.75
Payroll Expenses	7,323.49	Uncategorized	3,000.00
Technical Assistance	1,173.91	Technical Assistance Fees	7,184.11
Education Programs	977.84	Education Programs	2,360.78
Fundraising Expenses	47,284.76	Fundraising & Donation	61,298.46
Annual Meeting	1,199.64	Annual Meeting	400.00
Grant Expenses	14,556.20	Grant Income	35,617.88
Travel/Meetings	1,130.08	Total Operating Income	202,804.98
Dues	2,955.00		
Fees/Permits	20.00	2021 Non-operating Income	
Office Supplies	396.68	Interest Income	49.20
Accounting Fees	1,328.84	Total Non-Operating Income	49.20
Computer Tech Support	350.00		
Printing & Postage	1,317.19	Total Income	202,854.18
Advertising & Promotion	389.38	Total Expense	188,632.73
Rent/Utilities/Equip	23,533.07	Net income	14,221.45
Subscriptions	528.15		
Other	415.00		
Total Expense	188,632.73		

Conservation Services

Conservation Technician Services

Knox-Lincoln SWCD can provide low cost technical assistance and engineering design services to towns, organizations and individuals in Knox and Lincoln counties. Some of the services we provide are:

Conservation Landscape Certification Program

District staff advises landowners on implementing conservation practices in a systematic way and provides one-on-one help on your property. (One visit is complimentary per landowner with additional visits at the standard rate.)

Erosion Control Technical Assistance

District staff meets with landowners, private road associations, and municipal officials to provide options for addressing problems that impact water resources including pre- and post-construction activities. Assistance includes site visit and written recommendations.

Invasive Plant ID & Management Plans

District staff will identify, map, and/or develop a management plan for terrestrial invasive plants on residential properties, farmlands and woodlands. Management plans may assist landowners in securing state or federal funds for control of invasive plants. Assistance includes a site visit and written recommendations.

Natural Resource Assessments

Landowners and municipalities or potential buyers looking to better understand their land as it exists and how to manage it for specific uses such as blueberry fields, forestry, water quality/quantity issues, soil health, hayland and pasture management. Assistance includes a site visit and written recommendations.

Nutrient Management Plans

District staff prepares plans to meet State of Maine standards. (Note: This plan will not meet criteria for NRCS EQIP programs.) Work will include site visit and written plan.

Pond Consultation

District staff will review site for pond construction and provide guidance regarding pond maintenance.

Soil Testing

District staff will extract soil for testing to specifications of landowner. Sample(s) will be sent to the University of Maine lab. Results will be sent directly to the landowner. (If desired, a separate time may be set up to review the recommendations.)

Stream Crossings

District staff provides assistance with planning and/or maintenance of culvert or open bottom installations of stream crossings. Includes site visit, written recommendations and engineered drawings as necessary.

Third Party Assessments

District staff provides recommendations to landowners and/or municipalities regarding potential or existing erosion problems due to construction activities. Assessment includes recommendations during and/or after construction on best management practices.

At the Office

Aerial Photos

The District office has a large collection of aerial photos taken of Knox and Lincoln counties in 1940, 1966, 1980, 1991, and 1996, as well as some ice storm photos.

Soil Test Kits

We also have Soil Test Kits and a variety of planting guides on hand for you to pick up at your convenience. It is always a good idea to test your soil and follow the recommendations before planting a new garden area.

On our Website

Our website includes a wealth of resources for soil and water conservation needs. From nutrient management to plant care fact sheets, check out our site first at www.knox-lincoln.org

The screenshot shows the website header with the logo for Knox-Lincoln Soil & Water Conservation District. The navigation menu includes: About, Education, Technical Assistance, Partner Organizations, Resources, Publications, Events, Shop, and a Contact Us button. The main content area features a background image of a person's hands holding a soil sample. The heading 'Technical Services' is prominently displayed. Below the heading, the text reads: 'Knox-Lincoln SWCD provides low cost technical assistance and engineering design services to towns, organizations and individuals in Knox and Lincoln counties.' At the bottom of the page, there is a small disclaimer: 'District staff are available to assist landowners with the following on a fee for service basis. Base rate is \$50/hour plus mileage, unless otherwise noted. Minimum fee for site visit is \$50. This reduced Base Fee of \$50/hour plus mileage is available based on funding contributions from Lincoln & Knox Counties.'



KNOX-LINCOLN
SOIL & WATER
CONSERVATION
DISTRICT

893 West Street, Rockport, Maine 04856

Save the Dates!

August 30, 2022 - 75th Anniversary (Jewell Lodge)

September 9, 2022 - Conservation Bus Tour

Visit www.knox-lincoln.org for more information

2023 Spring Plant Sale

Fri, May 12 and Sat, May 13

*Same great selection of fruits & berries, native trees, shrubs & perennials
at incredibly discounted prices!*

Catalogue & online ordering available in December 2022.

Be sure to order early to ensure best selection.