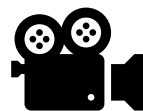


Hot Topics in the MAINE FOREST SERVICE



TIP: Icons like these and underlined text, point out links to on-line resources or help navigate in this document

TIP: Page images like those are linked, too!





FOREST HEALTH AND MONITORING

🌱 [Firewood Moves Invasive Forest Pests](#)

🌱 [Emerald Ash Borer is Expanding in Maine](#)

🌱 [Browntail Moth Outbreak](#)

🌱 [Gypsy Moth Increasing](#)

🌱 [Look out For Oak Wilt](#)

🌱 [Spruce Budworm Trending Up](#)

🌱 [White Pine Needle Diseases Continue](#)

🌱 [Red Pine Health in Decline](#)

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Firewood MOVES Invasive Forest Pests



**DON'T
MOVE
FIREWOOD**

 **PADDLES**

 **PFDs**

 **PESTS**

www.maine.gov/firewood

 Leave firewood at home.

 Buy heat-treated firewood or collect (if allowed) only what you'll use.

 If you have already moved firewood, use it immediately.

Tree-killing pests MOVE in firewood.

A NH study found an average of **35 insects** per piece of firewood.



www.maine.gov/firewood



www.dontmovefirewood.org



NEW in 2021!
[National Plant Board Firewood Working Group](#)

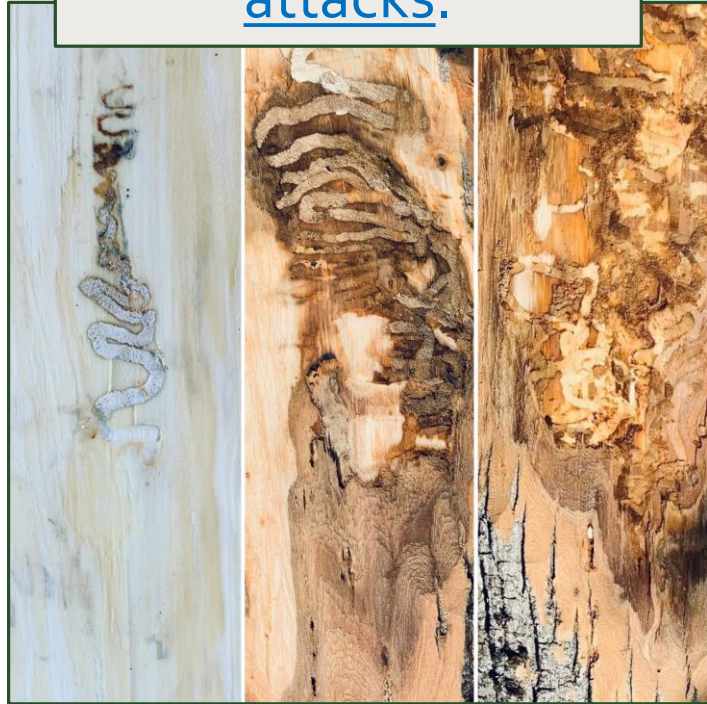
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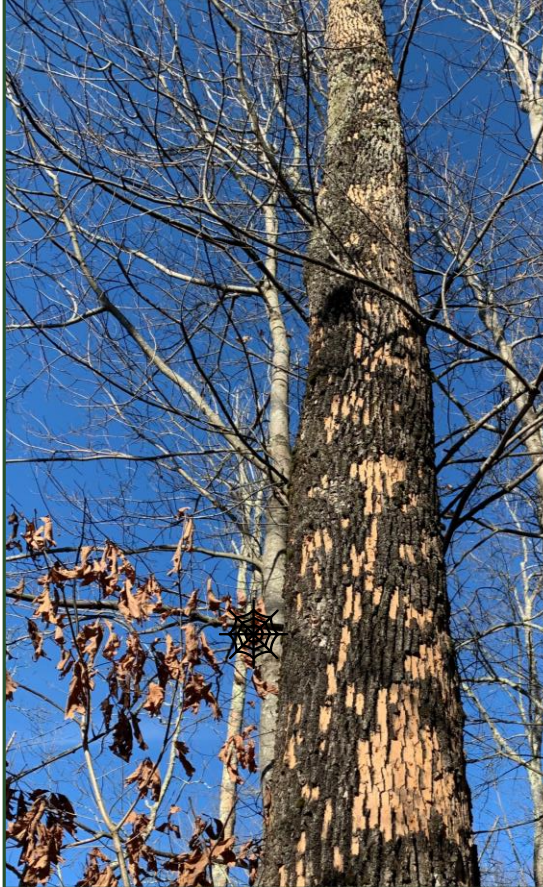
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Emerald Ash Borer is Expanding in Maine

How to [recognize emerald ash borer attacks](#).



Think you've seen these tracks? [Report it here](#).

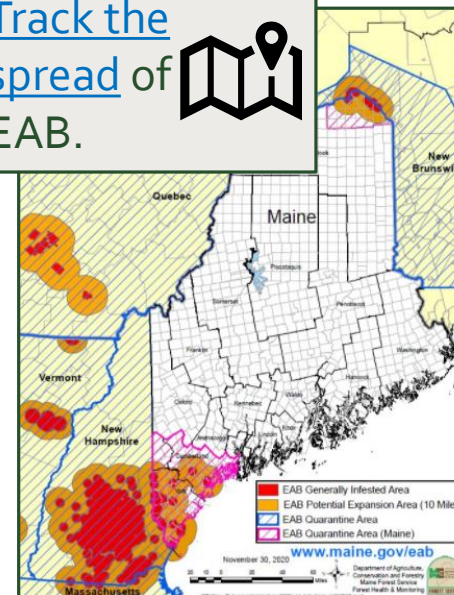


[Watching for woodpeckers](#)



[Join our trap tree network!](#)

[Track the spread of EAB.](#)



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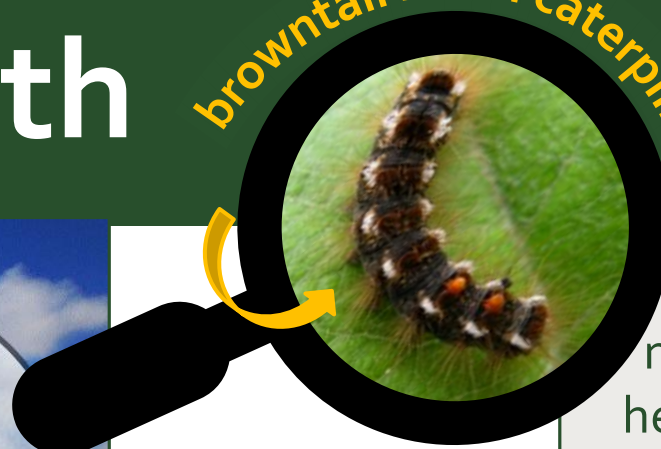
Browntail Moth

Outbreak!

browntail moth caterpillar



Seeing "silk"? Learn how to
prune webs out of trees.



[FAQ's](#) on biology,
management, &
health concerns. 

CATERPILLARS CAN CAUSE RASHES!



[What's my
risk?](#)



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Gypsy Moth Increasing



Gypsy moth
counts up in
2020.

[Report yours](#)



How to [destroy gypsy moth
egg masses.](#)



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Look Out For Oak Wilt Disease



SYMPTOMS:

- wilted foliage
- leaf discoloration
- summer defoliation
- rapid tree death



REPORT SUSPECTS:



**OAK WILT HAS NOT
BEEN FOUND IN ME**

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**Be on the
lookout for
early signs of
Oak Wilt!**



Spruce Budworm

Trending

spruce budworm feeding



Check recent SBW [population trends](#)



Adult spruce budworm



[Sign up for updates](#)
from the SBW task
force



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White Pine Needle Diseases

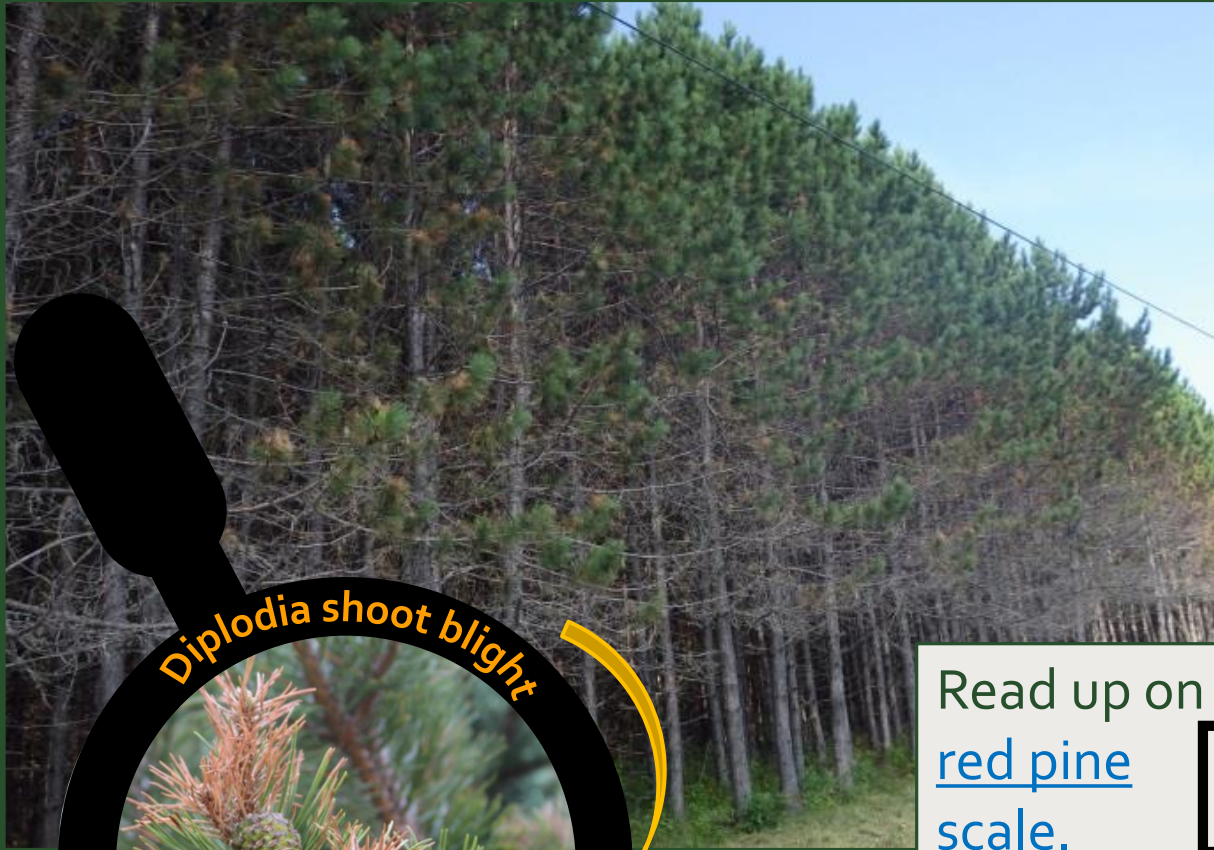


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Red Pine Health in Decline

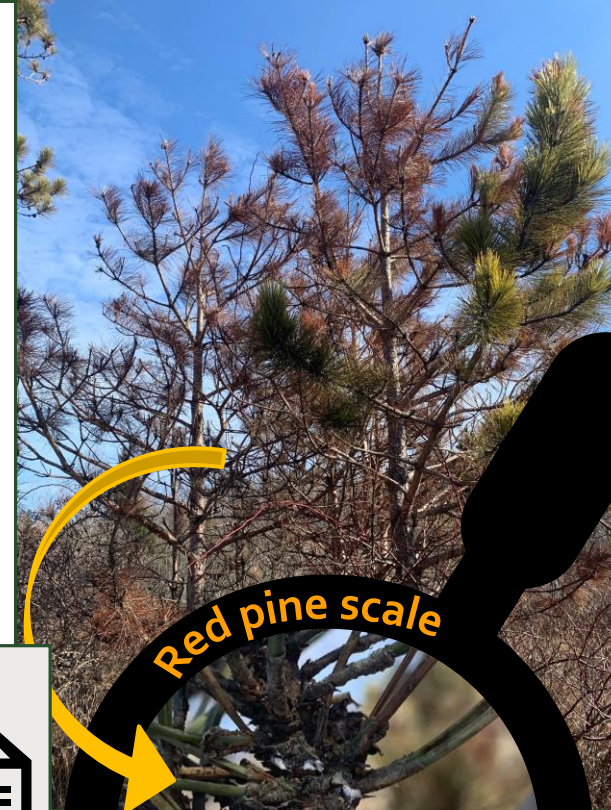


Diplodia shoot blight

Read up on
[red pine scale](#).



Pines gone red?
Get [the facts](#).



Red pine scale

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FOREST POLICY AND MANAGEMENT



PROTECT WATER
RESOURCES IN THE
FOREST



USING BMPs TO
PROTECT WATER
WHEN LOGGING



FISHERIES
ENHANCEMENT



NOMINATE A BIG
TREE!



TAKE A WALK WITH A
FORESTER



PROJECT CANOPY –
HELP TREES, HELP
YOU



BENEFITS OF
COMMUNITY TREES



CONTROLLING
INVASIVE PLANTS IN
THE WOODS



FINDING
PROFESSIONAL
ASSISTANCE

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PROTECT WATER RESOURCES IN THE FOREST



The [Forestry Best Management Practices manual](#) provides comprehensive guidance to protect water quality for roads and trails in the woods.

- *Control water flow*
- *Minimize disturbance*
- *Protect waterbodies*
- *Anticipate site conditions*



SECTION 3 BMPs FOR EVERY STAGE

BMPs

BUILD IT RIGHT

PERMANENT CROSSINGS

- 1 If possible, build crossings when streams are dry or at low water. If considerable excavation is necessary during periods of regular or high flow, temporarily divert the water while installing the crossings.
 Permanent crossings may require permits, especially if water must be diverted during installation.
- 2 Install crossings and approaches using a "no-grub zone" at least the width of the filter area, wherever possible.
 - Minimize excavation on stream banks and approaches.
 - Construct road approaches using fill (instead of grubbing), leaving the forest floor undisturbed, especially outside the road profile. Consider surfacing with clean gravel or stone. This will stabilize the road surface, prevent it from eroding directly into the stream, and keep mud from being tracked onto the crossing structure.
 - Use geotextile and fill on unstable soils or during wet weather.
 - Set abutments back from the stream's edge.
- 3 Design bridges using solid decking or other features to minimize the amount of material that falls through the deck and into the stream.


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USING BMPs TO PROTECT WATER WHEN LOGGING



Maine Forestry Best Management Practices (BMP) Use and Effectiveness—Data Summary 2018-2019



Check the
2018-2019
BMP [report](#)
[here:](#)



- Forestry best management practices (BMPs) were seen on harvests of all sizes.
- Data on soil stability, stream crossing structure sizing, containment of hazardous materials and more are available in an [on-line summary](#).

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FISHERIES ENHANCEMENT



Before



After

“STREAM SMART” stream crossings

The Maine Forest Service can help landowners find the right resources to upgrade existing crossings to “[Stream Smart](#)” structures.



FMI on improving
aquatic habitat on
your land: [Contact
your District
Forester](#)

LARGE WOOD ADDITIONS

Adding large sections of trees, done well, can improve forest-stream ecosystems. A timber harvest may be an opportunity to improve streams. Maine Forest Service provides [guidance and information on rules](#) regarding this practice.

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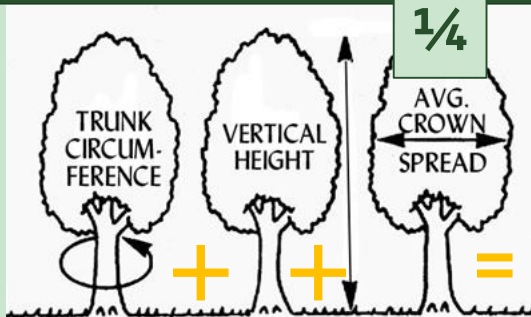
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**Big Trees of
Maine
2020**

NOMINATE A BIG TREE!



[Watch how to
measure](#)



Enter your
BIG tree!

Maine's Register of BIG Trees:

- Started in 1967 by Austin Wilkins
- Contains roughly **150 shade and ornamental tree** species

ME has four National
Champions:

- Yellow Birch – Wayne
- Common apple – Falmouth
- Eastern hophornbeam – Paris
- Black spruce – Brooklin



White ash, Waterford



Hemlock, Peaks Kenny



*Shagbark hickory,
Hollis*



Black oak, Sumner

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TAKE A WALK WITH A FORESTER



TAKE A WALK IN YOUR WOODS
WITH YOUR LOCAL FORESTER

To plan a free visit with
a Maine Forest Service
District Forester, scan



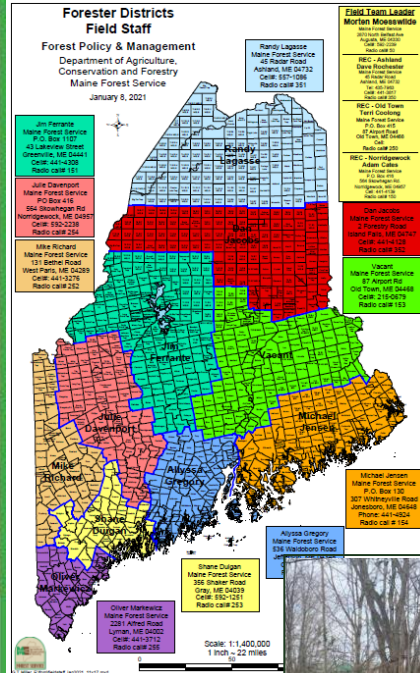
maineforestservice.gov

1-207-287-2791

forestinfo@maine.gov



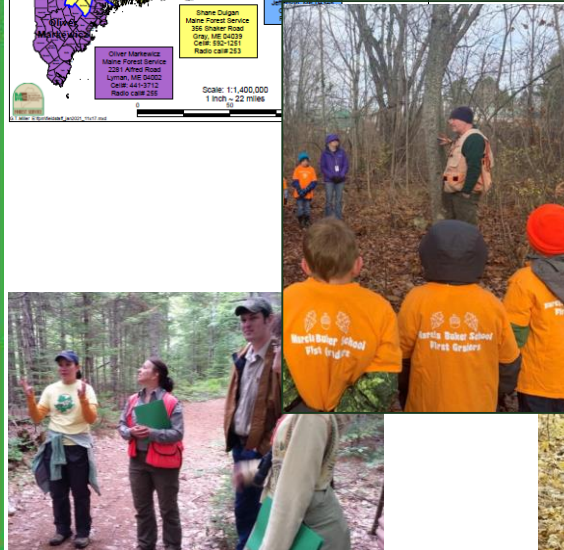
MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY



The Maine Forester
Service has 10 District
Foresters: [find yours.](#)

Field Foresters can help with...

- Educational workshops
- Field demonstrations
- Media presentations
- "Walk and Talk" site visits



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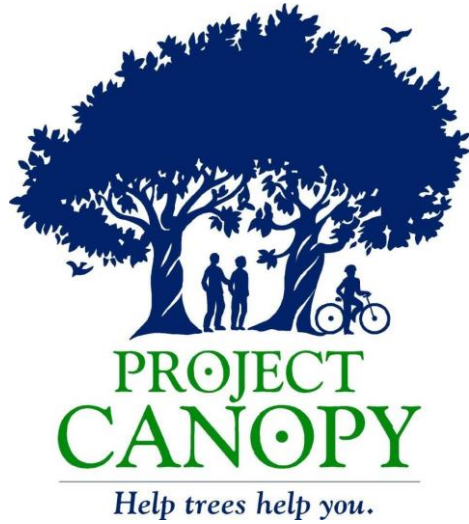


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PROJECT CANOPY-HELP TREES, HELP YOU



Check out [grant funding](#) for these activities!



Project Canopy can...

- Help develop and maintain long term community forestry programs
- Connect communities with resources
- Provide information about the benefits trees provide
- Tree planting and maintenance
- Street tree inventories
- Town forest and street tree management plans
- Training and community education
- Tree board development



Stay in touch:



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BENEFITS OF COMMUNITY TREES

DOWNLOAD THE
GUIDE TODAY:



My Tree Benefits

hemlock spp, (*Tsuga*)

Serving Size: 10.00 in. diameter

Condition: Good

Total benefits for this year:

Carbon Dioxide (CO₂) Sequestered

Annual CO₂ equivalent of carbon¹

Storm Water Runoff Avoided

Runoff Avoided

Rainfall Intercepted

Air Pollution Removed Each Year

Carbon Monoxide

Ozone

\$2.93

\$2.19

207.96 lbs

\$0.74

82.43 gal

408.24 gal

\$0.00

0.43 oz

11.08 oz



Trees create community.



MAINE URBAN TREE KEY

Broadleaf (flat leaves) & Conifers (needles/scales)

KEY

BROADLEAF TREES - IDENTIFICATION METHODS

Leaf arrangement

Leaf type

OPPOSITE LEAVES

Alternate LEAVES

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Hot Topics in the MAINE FOREST SERVICE

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TIP: Page images like these are linked, too!



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FOREST POLICY AND MANAGEMENT

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FOREST PROTECTION

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What's your tree saving you?



Calculate it here:



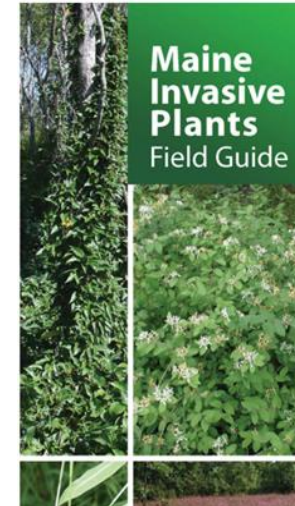
CONTROLLING INVASIVE PLANTS IN THE WOODS



NEW INVASIVE PLANT MANAGEMENT PROGRAM FROM THE MAINE FOREST SERVICE

Attention woodland owners:

- Invasive plants choke out native trees, shrubs, and wildflowers, and harm wildlife habitat in your woods!
- A trained professional can prepare an Invasive Plant Control Plan.
- The Maine Forest Service will reimburse up to half the cost of an approved Invasive Plant Control Plan.
- Once you have an approved Plan, you may apply to receive free invasive plant treatment done by a contractor hired by the Maine Forest Service.
- **The program is set to roll out in the spring and summer of 2021.** Contact [Andy Shultz](#) by email or at 207-287-8430, for more information.



Order the [Maine Invasive Plants Field Guide](#)!

Learn more about invasive plants at the [Maine Natural Areas Program](#)!

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FOREST PROTECTION



[Forest Online Resource Tool \(FOResT\)](#)



[Fire Safety in Maine](#)



[Timber Trespass and Theft Avoidance](#)



[How Do I Train to Become a Forest Ranger?](#)

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FOResT resource tool allows you to:



-File [Forest Operations Notification \(FON\)](#)

-[Track the wood you harvest](#) from stump to mill



Maine Forest Service

[Home](#)

[Contact Us](#)

[Sign In](#)

FOResT

Forest Online Resource Tool

New in 2021!

-Submit annual landowner report information



Sign up here!

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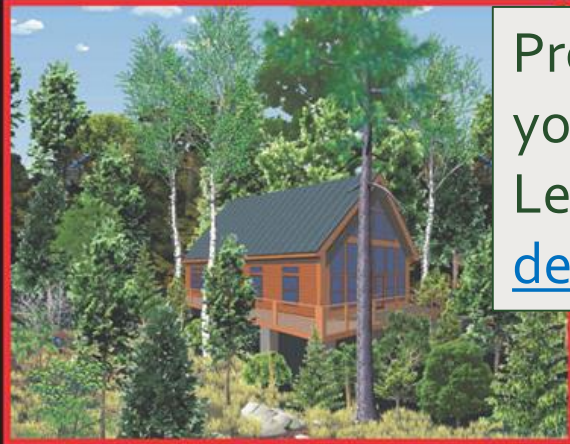
FIRE SAFETY IN MAINE



How do I obtain training
to help on wildfires?
Contact a Forest Ranger
in your area.



Does the vegetation near your home or camp look like this?
If so, it may be at higher risk for damage from a wildfire.



Protect the places
you love most.
Learn about
defensible space.



Planning outdoor burning or a campfire?

Check Maine's
wildfire
danger
report.



Plan ahead
get a
permit.



Please check all local and state laws before removing any vegetation from within the shoreland zone.

For more information, please contact your local
forest ranger at 1-800-750-9777 or visit:

www.maineforestservice.gov



Maine Department of Agriculture, Conservation and Forestry

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TIMBER TRESPASS & THEFT AVOIDANCE



Why you should
[work with a
forester?](#)



TIMBER TIPS

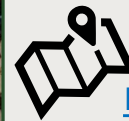


Create clear blazes
and boundaries.

Have a [written
contract.](#)



Communicate with
adjacent landowners.



[Find your
ranger](#) based
on your region.

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Hot Topics
in the
MAINE
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SERVICE



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FOREST HEALTH AND MONITORING

- Fireweed Moves Invasive Forest Pests
- Emerald Ash Borer is Expanding in Maine
- Spruce Bark Beetle Outbreak
- Spruce Moth Increasing
- Look out For Oak Wilt
- Spruce Budworm Trending Up
- White Pine Needle Diseases Continue
- Red Pine Health in Decline



FOREST POLICY AND MANAGEMENT

- PROTECT WATER RESOURCES IN THE FOREST
- USING BMPs TO PROTECT WATER WHEN LOGGING
- FISHERIES ENHANCEMENT
- NOMINATE A BIG TREE!
- TAKE A WALK WITH A FORESTER

- PROJECT CANOPY - HELP TREES, HELP YOU!
- BENEFITS OF COMMUNITY TREES
- CONTROLLING INVASIVE PLANTS IN THE WOODS
- FINDING PROFESSIONAL ASSISTANCE



FOREST PROTECTION

- Forest Online Resource Tool (FOResT)
- Fire Safety in Maine
- Timber Trespass and Theft Avoidance
- How Do I Train to Become a Forest Ranger?



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How Do I TRAIN TO BECOME A FOREST RANGER?



[Watch Video](#)

Challenging Career

[Read about Qualifications](#)



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Firewood MOVES Invasive Forest Pests

DON'T MOVE FIREWOOD

Tree-killing pests **MOVE** in firewood. A NH study found an average of **35 insects** per piece of firewood.

www.maine.gov/firewood

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Emerald Ash Borer is Expanding in Maine

How to recognize emerald ash borer attacks

Thank you've seen these tracks? Report it here

Watching for woodpeckers

Join our trap tree network!

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Browntail Moth Outbreak!

Seeing "silk"? Learn how to prune webs out of trees.

CATERPILLARS CAN KILL BARNHES!

What's my risk?

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Gypsy Moth Increasing

Gypsy moth counts up in 2020

Report yours

How to destroy gypsy moth egg masses

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Spruce Budworm Trending

Check recent SBW population trends

Sign up for updates from the SBW task force

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Look Out For Oak Wilt Disease

Symptoms: wilted foliage, leaf discoloration, summer defoliation, rapid tree death

REPORT SUSPECTS

OAK WILT HAS NOT BEEN FOUND IN ME

Be on the lookout for early signs of Oak Wilt!

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White Pine Needle Diseases

Got thin pine crowns? Read up on causes

A healthy white pine

Manage yours

Status for stunted growth and yellowing needles

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Red Pine Health in Decline

Read up on red pine scale

Pines gone red? Get the facts

Watch how to measure

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PROTECT WATER RESOURCES IN THE FOREST

The Forestry Best Management Practices manual provides comprehensive guidance to protect water quality for roads and trails in the woods.

- Control water flow
- Minimize disturbance
- Protect waterbodies
- Anticipate site conditions

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USING BMPs TO PROTECT WATER WHEN LOGGING

Maine Forestry Best Management Practices (BMP) Use and Effectiveness - Data Summary 2010-2019

Check the 2018-2019 BMP report

Forestry best management practices (BMPs) were seen on harvests of all sizes.

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FISHERIES ENHANCEMENT

Before

After

"STREAM SMART" stream crossings

The Maine Forest Service can help landowners find the right resources to upgrade existing crossings to "Stream Smart" structures.

PMO can improve aquatic habitat on your land. Contact your District Forester

LARGE WOOD ADDITIONS

Adding large sections of trees, done well, can improve forest stream ecosystems. A timber harvest may be an opportunity to improve streams. Maine Forest Service provides guidance and information on rules regarding this practice.

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NOMINATE A BIG TREE!

Enter your Big Tree!

Watch how to measure

Maine's Register of Big Trees

Started in 1974 by Austin Wilkins. Contains roughly age shade and ornamental tree species.

ME has four National Champions:

- Yellow Birch - Wayne
- Common apple - Fairbairn
- Eastern hemlock - Fairbairn
- Black spruce - Franklin

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TAKE A WALK WITH A FORESTER

The Maine Forester Service has six District Foresters

Field Foresters can help with:

- Educational workshops
- Field demonstrations
- Media presentations
- "Walk and Talk" take videos

TAKE A WALK IN YOUR WOODS WITH YOUR LOCAL FORESTER

To plan a free visit with a Maine Forest Service District Forester, email maine@maineforestservice.com

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PROJECT CANOPY-HELP TREES, HELP YOU

Check out your local Project Canopy activities!

Project Canopy can:

- Help develop and maintain long-term community forestry programs
- Connect communities with resources
- Provide information about the benefits trees provide
- Tree planting and maintenance
- Stream tree inventories

How Forest and Street Tree Management Plans

- Training and community education
- Tree board development

Stay in touch!

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BENEFITS OF COMMUNITY TREES

My Tree Benefits

What's your tree saving you?

Calculate it here

Download the GUIDE TODAY

Urban Tree Key

Beneficial Gardens

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CONTROLLING INVASIVE PLANTS IN THE WOODS

NEW INVASIVE PLANT MANAGEMENT PROGRAM FROM THE MAINE FOREST SERVICE

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Order the Maine Invasive Plants Field Guide

Learn more about invasive plants at the Maine Natural Areas Program!

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FINDING PROFESSIONAL ASSISTANCE

Why work with a private Consulting Forester?

It's a good idea to work with a forester if:

- You value the future of your woodland
- You need help figuring out what you want to do with your woodland
- You need help dealing with programs such as the Tree Growth Tax Law, timber sales, or government incentive programs

A good forester will protect your interests and add value to your woods

A Licensed Forester is hired by a professional Code of Ethics to protect their clients' interests, be clear about type and level of service provided, communicate regularly, maintain confidentiality, and avoid or disclose conflicts of interest.

Find a Forester

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FORest resource tool allows you to:

File Forest Operations Notification (FON)

Track the wood you harvest from stump to mill

Submit annual landowner report information

FORest Forest Online Resource Tool

New in 2021!

Sign up here!

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FIRE SAFETY IN MAINE

How do I obtain training to help on wildfires? Contact a Forest Ranger in your area

Protect the places you love most. Learn about defensible space

Planning outdoor burning or a campfire?

Check Maine's wildfire danger report

Plan ahead get a permit

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TIMBER TIPS

Create clear blazes and boundaries

Have a written contract

Communicate with adjacent landowners

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HOW DO I TRAIN TO BECOME A FOREST RANGER?

Challenging Career

Watch Videos

Read about Qualifications

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