

Managing Maine forests with help from iNaturalist and eBird users

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Schoodic Institute and Maine Coast Heritage Trust





Schoodic Institute





Maine Coast
Heritage Trust





Monitoring Challenges

- Forest disturbances often go undetected for long periods of time
- Current monitoring protocols have limitations
 - Labor/time intensive
 - Small monitoring plots
 - Require specialized skills





Can citizen science help?

Early Detection System



MCHT Property Stewards' Report

A citizen science early-detection summary

Welcome to the weekly early detection report of observations submitted by iNaturalist and eBird users. These are all observations submitted over the past week for species that Maine Coast Heritage Trust property stewards have identified as being of conservation interest. These data for this report comes from two of the largest open source citizen science projects: iNaturalist and eBird. The records included in this report include both casual and research grade observations, so erroneous identifications are possible. Stewards should double check the identification of species to ensure they are correct.

10 November 2025 - 16 November 2025

Collaboration

```
npf_managers_report - main - RStudio
~/Desktop/Projects/npf_managers_report/index.Rmd
email_functions.R Index.Rmd Knit Run
Source Visual Outline
1
2 title: ANP Citizen Science Report
3 author: Schoodic Institute at Acadia National Park
4 output:
5 html_document
6 css: email_alerts/www/css/pages_style.css
7 github_repo: https://kylelimo21.github.io/ANP_managers_report/
8
9
10
11 #|> prepare_PDF() #include = FALSE
12 library(tidyverse)
13 library(lubridate)
14 library(kableExtra)
15 library(htmltools)
16 library(sf)
17 library(gg)
18 source("email_alerts/email_functions.R")
19
20 #start ... format(htmlwidgets) ...? "kj" "R" "SY"
134:30 (Top Level) R Markdown
Console Terminal Background Jobs
R 4.3.0 ~/Desktop/Projects/npf_managers_report/#
R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.

Natural language support but running in an English locale

R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.
> |
```



GitHub Actions



GitHub Pages



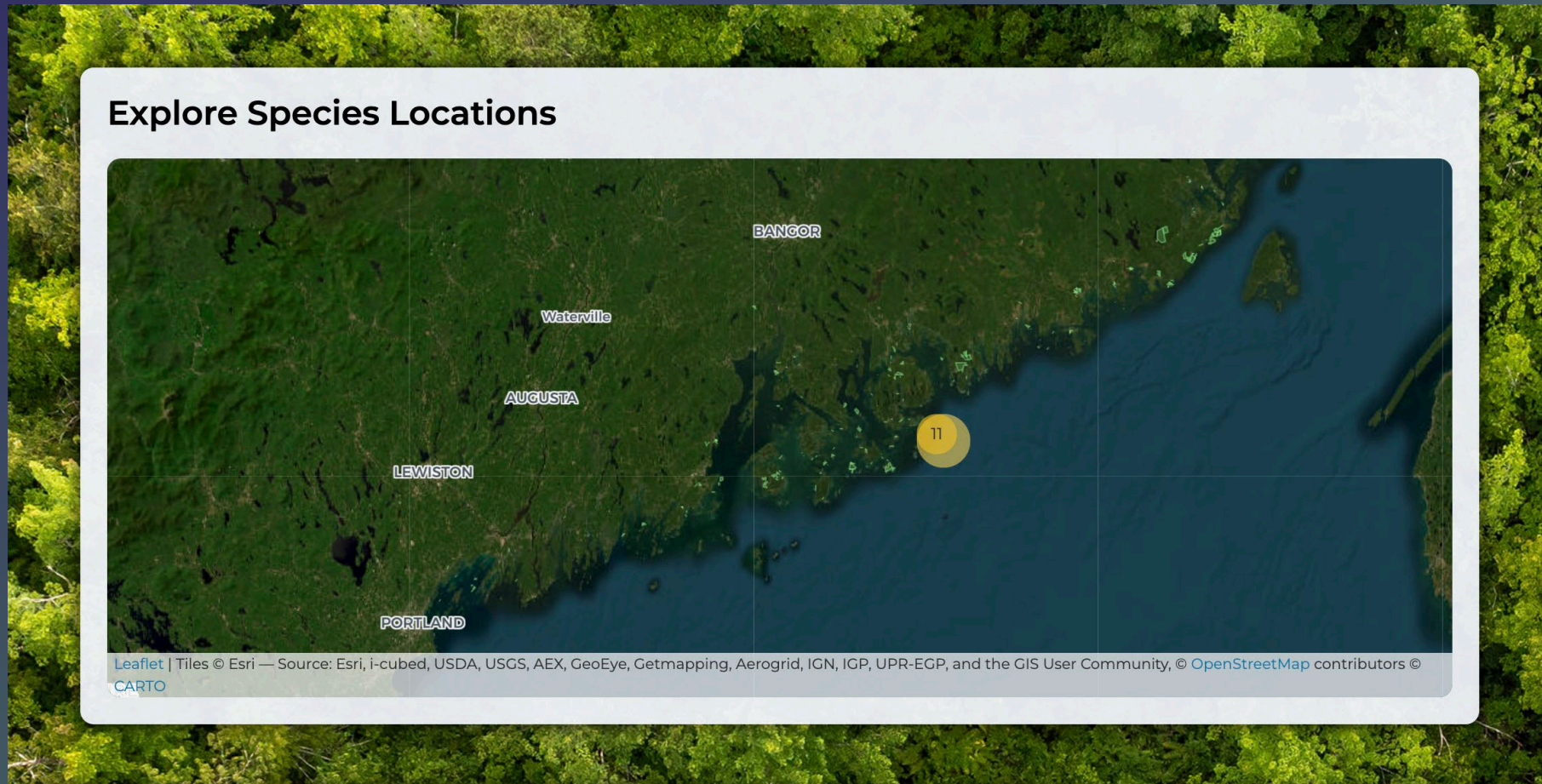
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Interactive Map of Observations



Invasive Species and Forest Pests

Invasive Species




© Jesse Wheeler

There were no invasive species reported this week.

Species of Conservation Interest

Rare Species



© Andy Fyon

Scientific Name	Common Name	Date Observed	Preserve	Link
All	All	All	All	All
<i>Anas rubripes</i>	american black duck	2025-11-15	Forbes Pond Preserve	view observation

Threatened and Endangered Species

Threatened & Endangered Species



There were no threatened or endangered species reported this week.

Buffer Zone Species

Buffer Zone Species



Scientific Name	Common Name	Date Observed	Preserve	Link
<input type="text" value="All"/>	<input type="text" value="All"/>	<input type="text" value="All"/>	<input type="text" value="All"/>	<input type="text" value="All"/>
Cirsium vulgare	bull thistle	2025-11-11	Trap Mill Woods Preserve	view observation
Cirsium vulgare	bull thistle	2025-11-11	Manset Fields	view observation
Cirsium vulgare	bull thistle	2025-11-11	Great Gott Preserve	view observation
Cirsium vulgare	bull thistle	2025-11-11	Great Gott Preserve	view observation
Verbascum thapsus	great mullein	2025-11-13	Schoodic Woods East	view observation
Verbascum thapsus	great mullein	2025-11-13	Ned Island	view observation

Weekly Email Alerts

Acadia National Park Manager's Report

09 October 2023 - 15 October 2023



The weekly report has been updated! This report summarizes iNaturalist and eBird records of the species that Acadia National Park managers have identified as being of management interest. Click the button below to view the report.

[Go to the report!](#)



Limitations

- Protected species - location obscured
- Especially difficult to ID/detect species
- Volunteer engagement

Summary



Credits

Nicholas Fisichelli
Abe Miller-Rushing
Jesse Wheeler
Bik Wheeler
Catherine Schmitt
Chris Nadeau
Emma Albee
Seth Benz

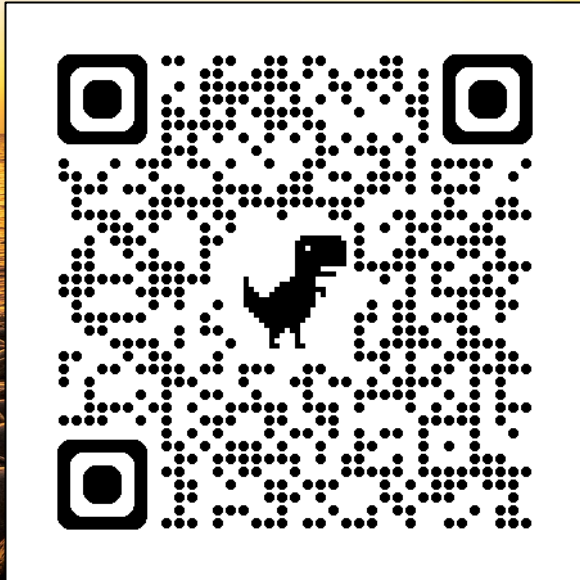
Shannon O'Brien
Hannah Webber
Sarah Luchini
Bob DeForrest
Ben Tero Photography



This project was made possible in part by the Forest Ecosystem Monitoring Cooperative and the US Forest Service.



Thank you for listening!



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