USING YOUR MUNICIPAL TREE INVENTORY DATA

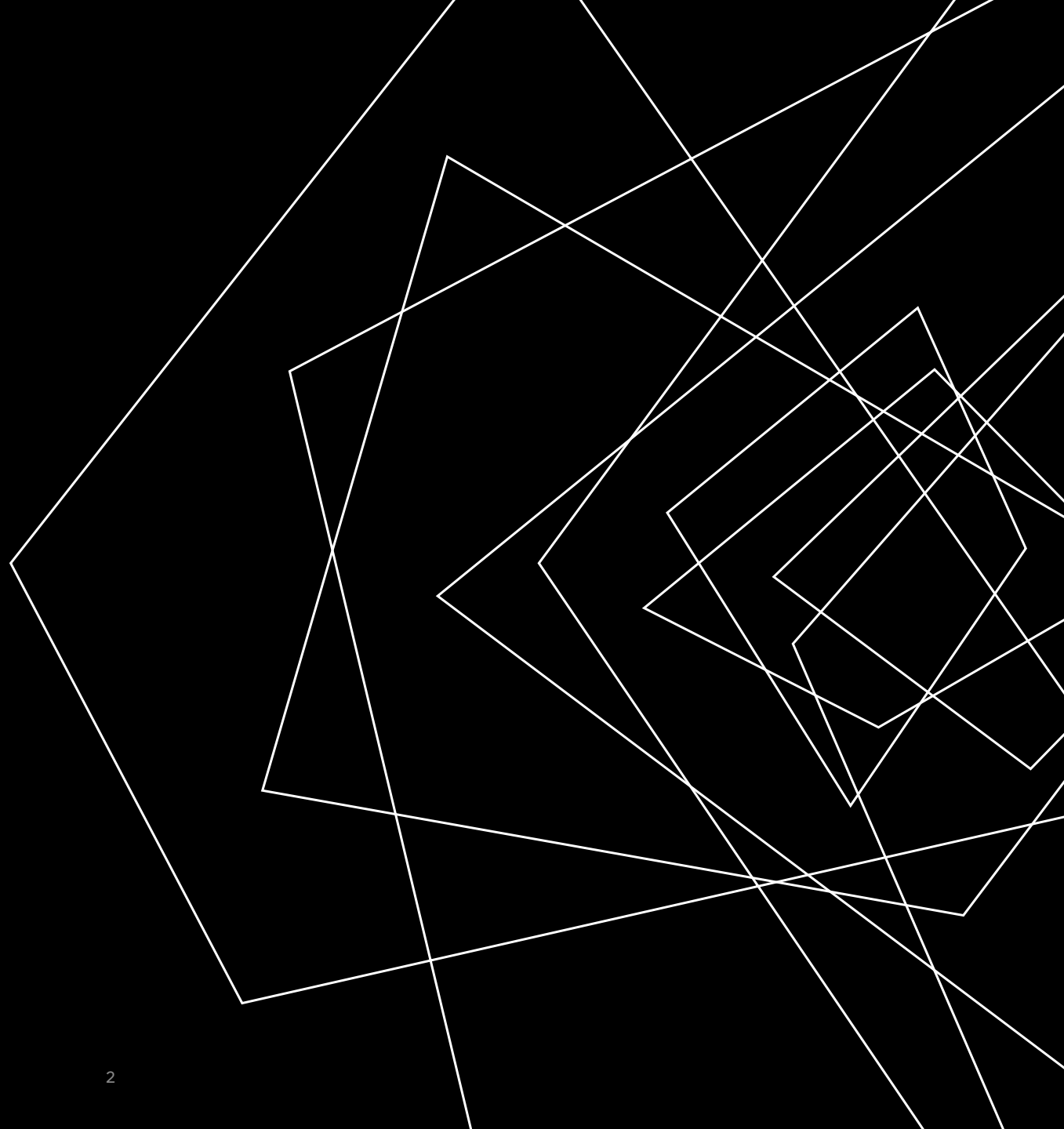
Presented by Joanne Garton, Technical Assistance Coordinator

Vermont Urban & Community Forestry Program

February 7, 2024

AGENDA

1. Website addresses & data sources
2. Clear your cache
3. Viewing your data
4. Exporting spreadsheets
5. Using filters
6. Printing maps
7. Creating tree reports
8. The meaning of 3/30/2022
9. Advanced filters
10. Troubleshooting



1. WEBSITES ADDRESSES AND DATA SOURCES

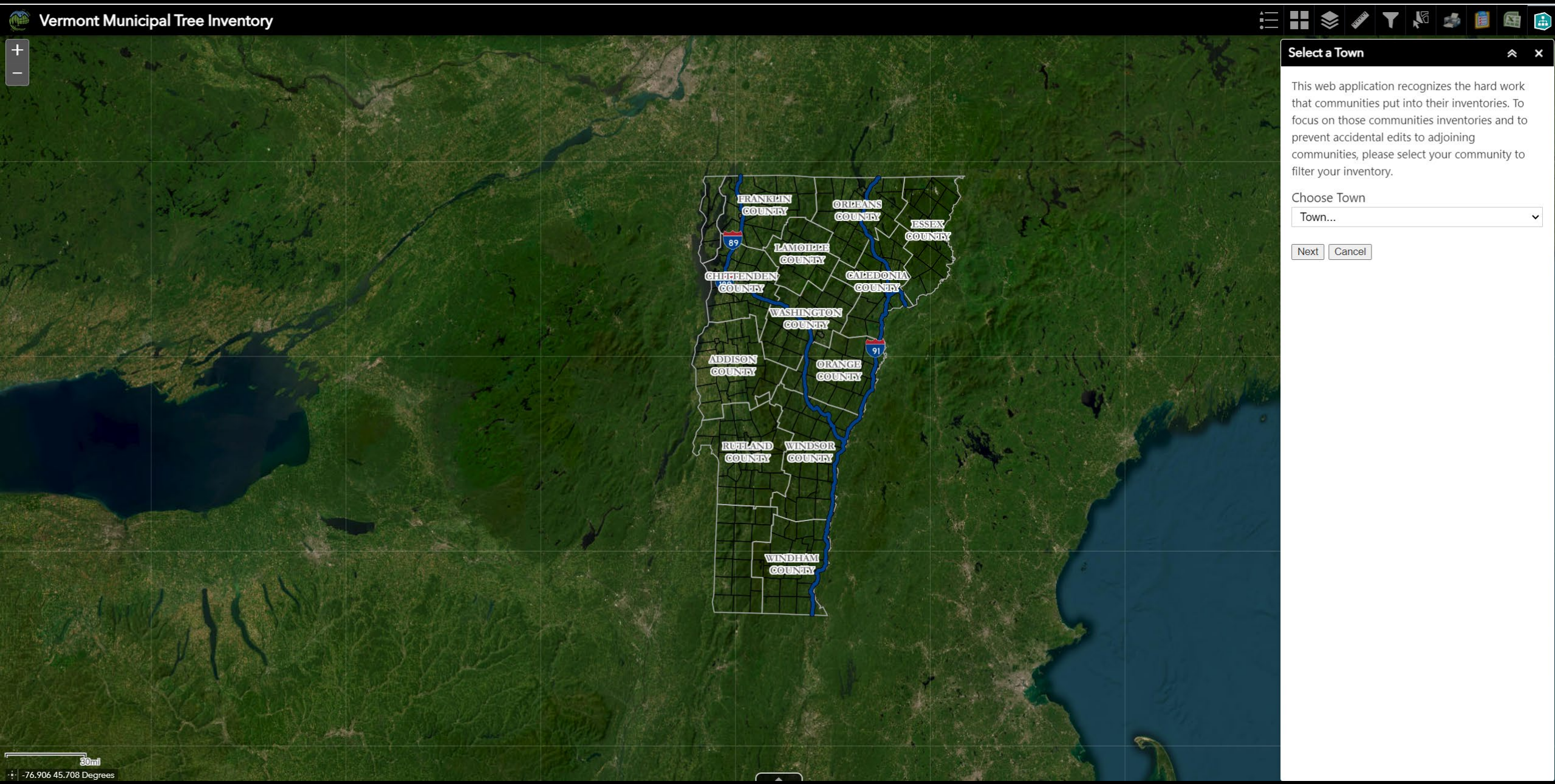
WEBSITES

Municipal Tree Inventory: Web Map Viewer
anrmaps.vermont.gov/websites/MuniTrees/

Municipal Tree Inventory webpage:
vtcommunityforestry.org/
search “Municipal Tree Inventory”

DATA DOWNLOADS

RESOURCES


Vermont Municipal Tree Inventory
FRANKLIN COUNTY
ORLEANS COUNTY
ESSEX COUNTY
LAMOILLE COUNTY
CHITTENDEN COUNTY
CALEDONIA COUNTY
WASHINGTON COUNTY
ADDISON COUNTY
ORANGE COUNTY
RUTLAND COUNTY
WINDSOR COUNTY
WINDHAM COUNTY
89
91
Select a Town
This web application recognizes the hard work that communities put into their inventories. To focus on those communities inventories and to prevent accidental edits to adjoining communities, please select your community to filter your inventory.
Choose Town
Town...
Next
Cancel
30mi
-76.906 45.708 Degrees

Municipal Assistance

Municipal Tree Inventories

Vermonters are engaged in the care and management of trees and forests in public places and public right-of-ways. VT UCF's municipal tree inventory tools help these staff and volunteers to identify, prioritize, and take action on the management needs found through "boots on the ground" surveys. Our Vermont Tree Inventory Guide highlights the benefits of trees and types of tree inventories appropriate for communities throughout Vermont.

Our program-supported municipal tree inventory tools utilize the ArcGIS Field Maps and ArcGIS Survey 123 applications. They are conducted on mobile devices (smartphones or cell-enabled tablets) and are supported by the GIS team at the Vermont Agency of Digital Resources. Over 24,000 data points have now been entered by 34 Vermont cities and towns and two non-profit organizations. Communities that use the ArcGIS Field Maps and ArcGIS Survey 123 applications also have the option of viewing and managing their data online through a web map (address and login details supplied by request to Joanne Garton, Technical Assistance Coordinator for VT UCF, joanne.garton@vermont.gov).

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search “Municipal Tree Inventory”

DATA DOWNLOADS

Vermont Open Geodata Portal:
geodata.vermont.gov/

RESOURCES

VERMONT OFFICIAL STATE WEBSITE

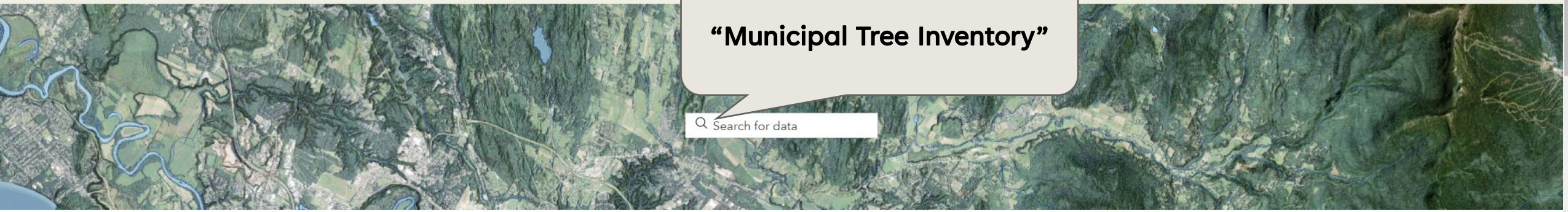
VERMONT

STATE OF VERMONT

Vermont Open Geodata Portal

DATA WEB SERVICES APPLICATIONS DEVELOPERS CONTACT US HELP

“Municipal Tree Inventory”



Agriculture

Basemap

Boundaries

Climate

Demographic + Economic

Elevation

Environment

Geologic + Soils

Health + Public Safety

Imagery

Download Options

Municipal Tree Inventory

Loading record count

Toggle Filters:

Creating a new file with your filters will take some time

CSV

File created: May 15, 2023, 16:50
File size: 1.8 MB

Download Options

KML

File created: May 15, 2023, 16:50
File size: 2.5 MB

Download Options

Shapefile

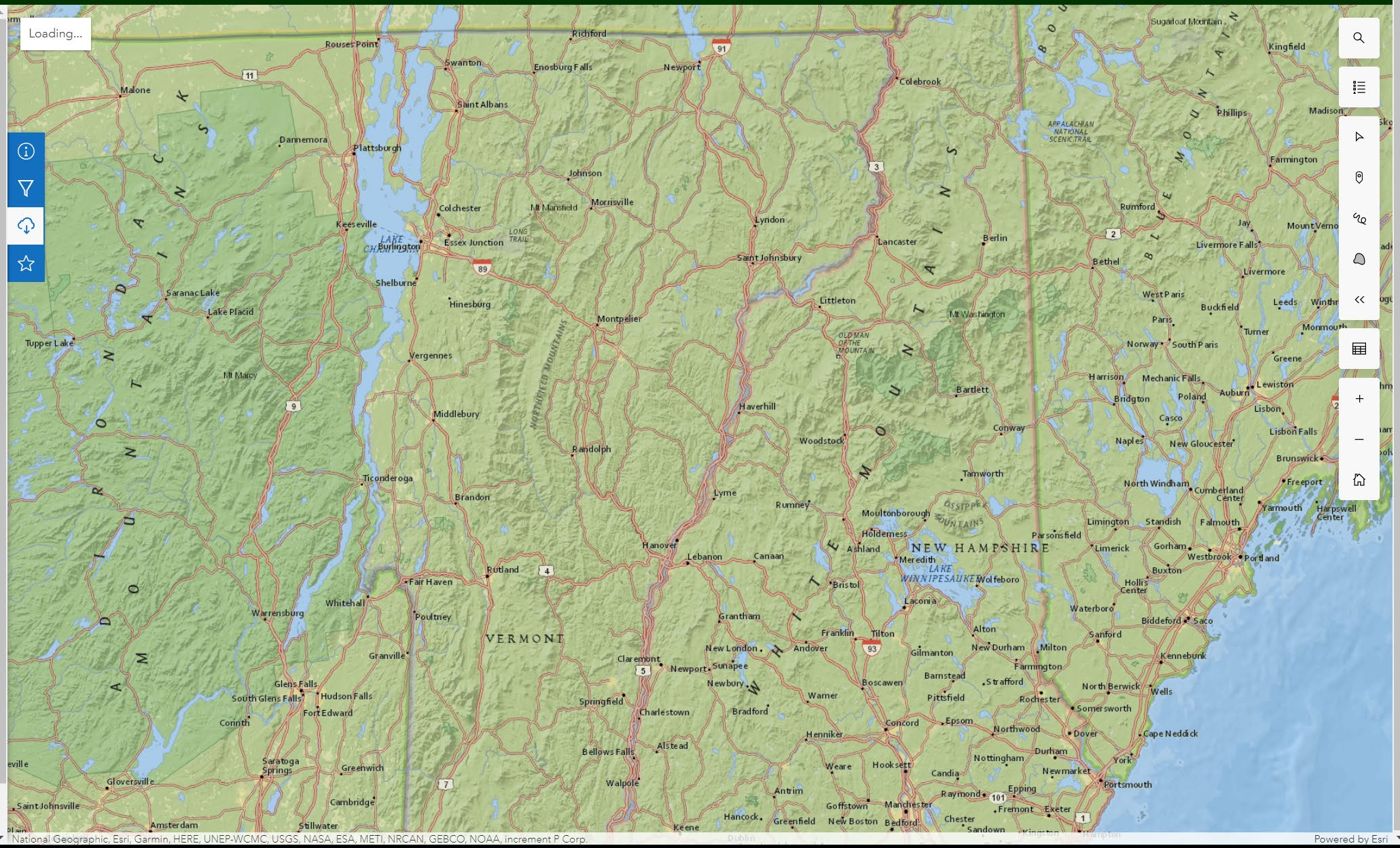
File created: May 15, 2023, 16:50
File size: 2.3 MB

Download Options

GeoJSON

File created: May 15, 2023, 16:50
File size: 2.4 MB

Download Options



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Municipal Tree Inventory webpage:
vtcommunityforestry.org/
search “Municipal Tree Inventory”

DATA DOWNLOADS

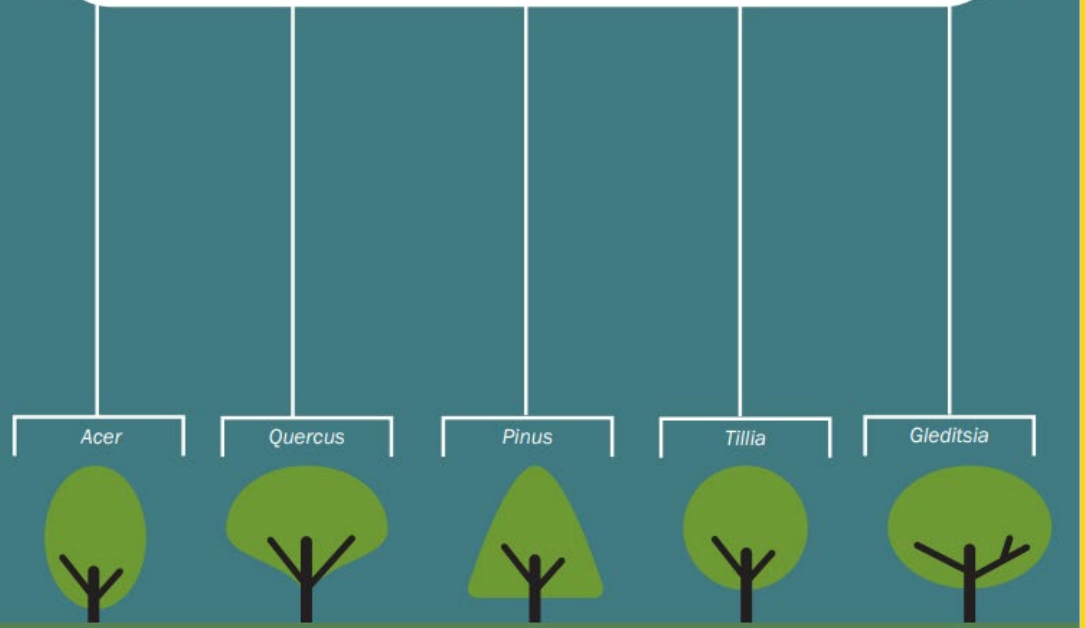
Vermont Open Geodata Portal:
geodata.vermont.gov/

RESOURCES

Vermont Tree Inventory Guide:
vtcommunityforestry.org/sites/default/files/2022-11/vt_inventory_guide_2014.pdf

Municipal Tree Inventory User Guide: email joanne.garton@vermont.gov

VERMONT TREE INVENTORY GUIDE



PLANT LIVE GROW

Vermont Urban & Community Forestry Program

part of the **Vermont Department of Forests, Parks & Recreation**

in partnership with the **University of Vermont Extension**

Inventory Guide

The Vermont Urban & Community Forestry Program supports a free Municipal Tree Inventory Tool that uses ArcGIS Field Maps and ArcGIS Survey 123. Data is collected on smartphones or cell-enabled iPads and stored in cloud-based servers managed by the Vermont Agency of Digital Services.

This guide explains the steps needed to enter spatial data about individual trees in public rights-of-way and in public places. For training or technical assistance using this tool or managing data collected during inventory, contact:

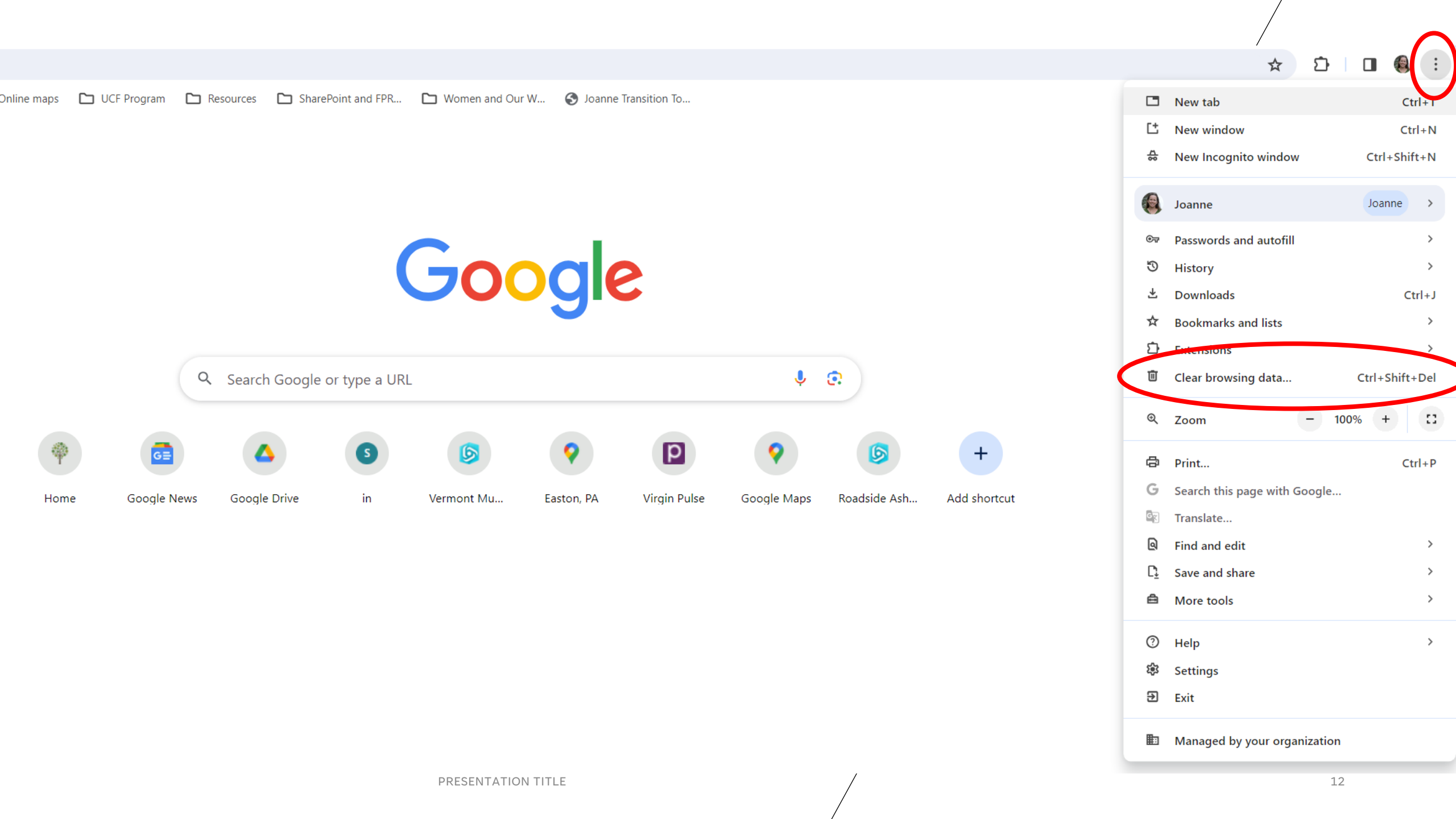
Joanne Garton
Technical Assistance Coordinator
Vermont Urban & Community Forestry
(802) 249-4217
joanne.garton@vermont.gov
vtcommunityforestry.org

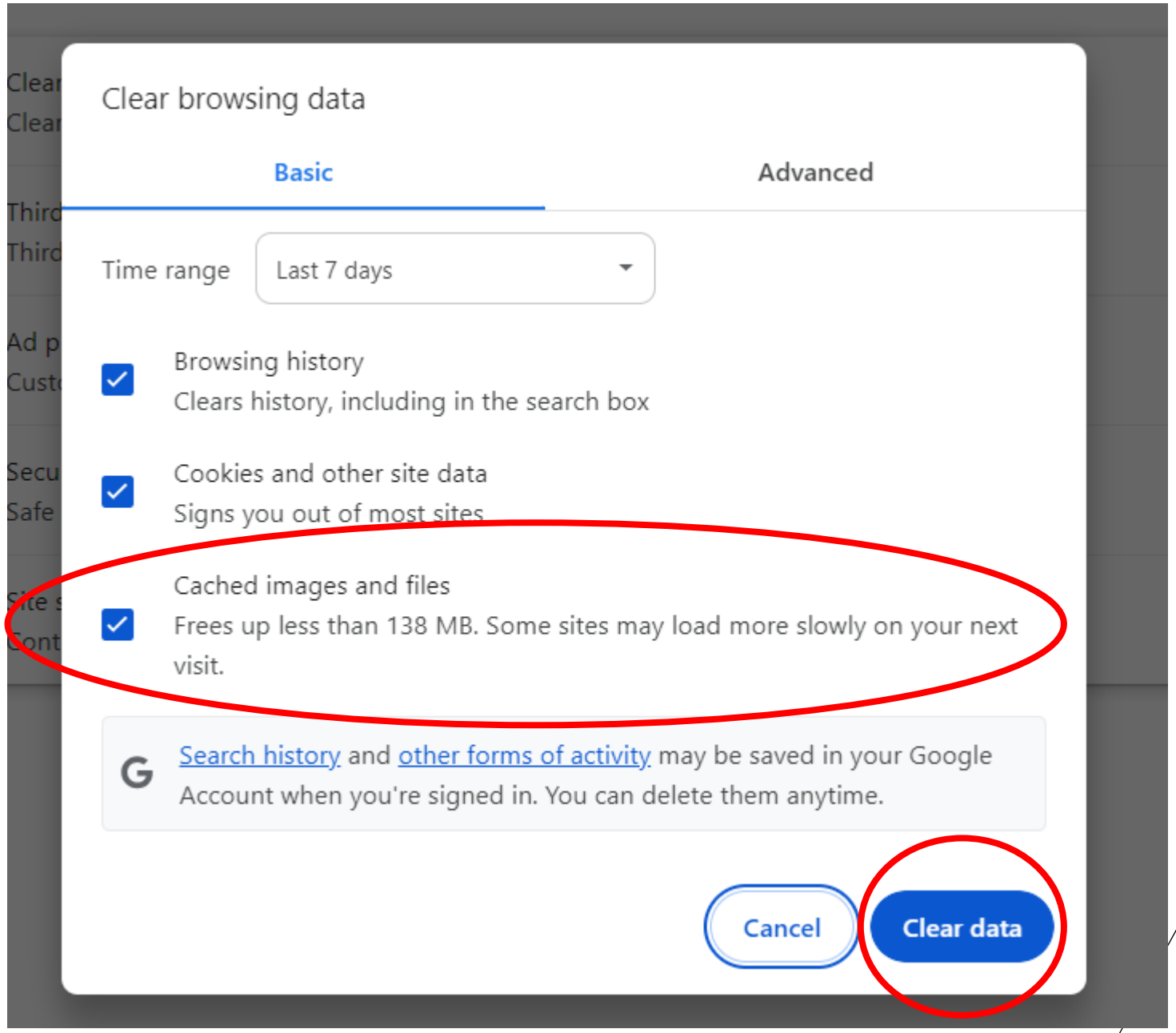
PLANT
LIVE
GROW

VERMONT URBAN & COMMUNITY FORESTRY PROGRAM

2. CLEAR YOUR CACHE

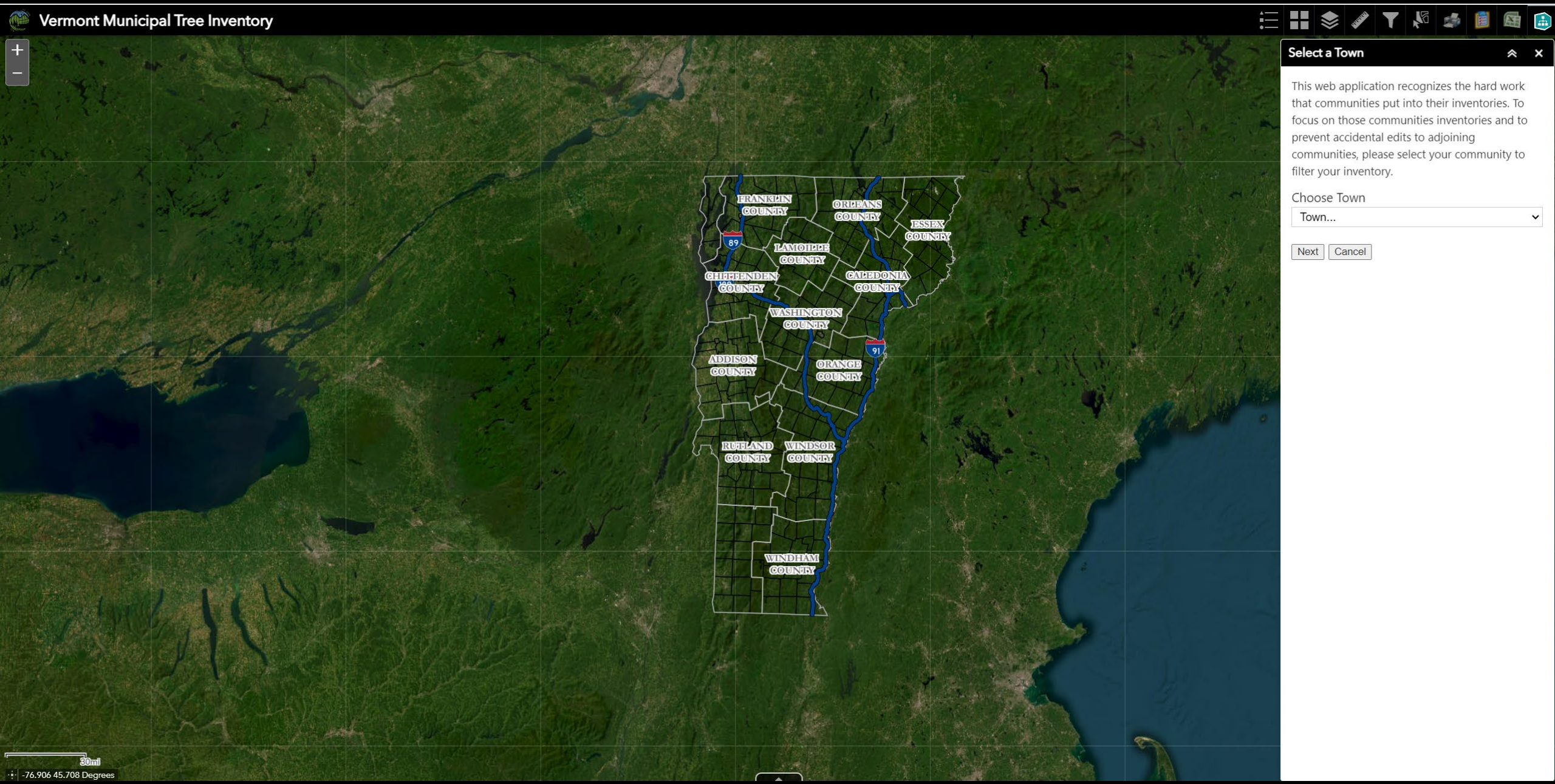
Our web map viewer is updated. Clear your web browser’s cache to view the most recent map viewer.


Online maps
UCF Program
Resources
SharePoint and FPR...
Women and Our W...
Joanne Transition To...
Google
Search Google or type a URL
Home
Google News
Google Drive
in
Vermont Mu...
Easton, PA
Virgin Pulse
Google Maps
Roadside Ash...
Add shortcut
New tab Ctrl+T
New window Ctrl+N
New Incognito window Ctrl+Shift+N
Joanne
Joanne
Passwords and autofill
History
Downloads Ctrl+J
Bookmarks and lists
Extensions
Clear browsing data... Ctrl+Shift+Del
Zoom
100%
Print... Ctrl+P
Search this page with Google...
Translate...
Find and edit
Save and share
More tools
Help
Settings
Exit
Managed by your organization


Clear browsing data
Basic
Advanced
Time range
Last 7 days
Browsing history
Clears history, including in the search box
Cookies and other site data
Signs you out of most sites
Cached images and files
Frees up less than 138 MB. Some sites may load more slowly on your next visit.
Search history and other forms of activity may be saved in your Google Account when you're signed in. You can delete them anytime.
Cancel
Clear data

3. VIEWING YOUR DATA

Each icon is a georeferenced point connected to all of the data that you collected.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FRANKLIN COUNTY
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LAMOILLE COUNTY
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ORANGE COUNTY
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WINDSOR COUNTY
WINDHAM COUNTY
89
91
Select a Town
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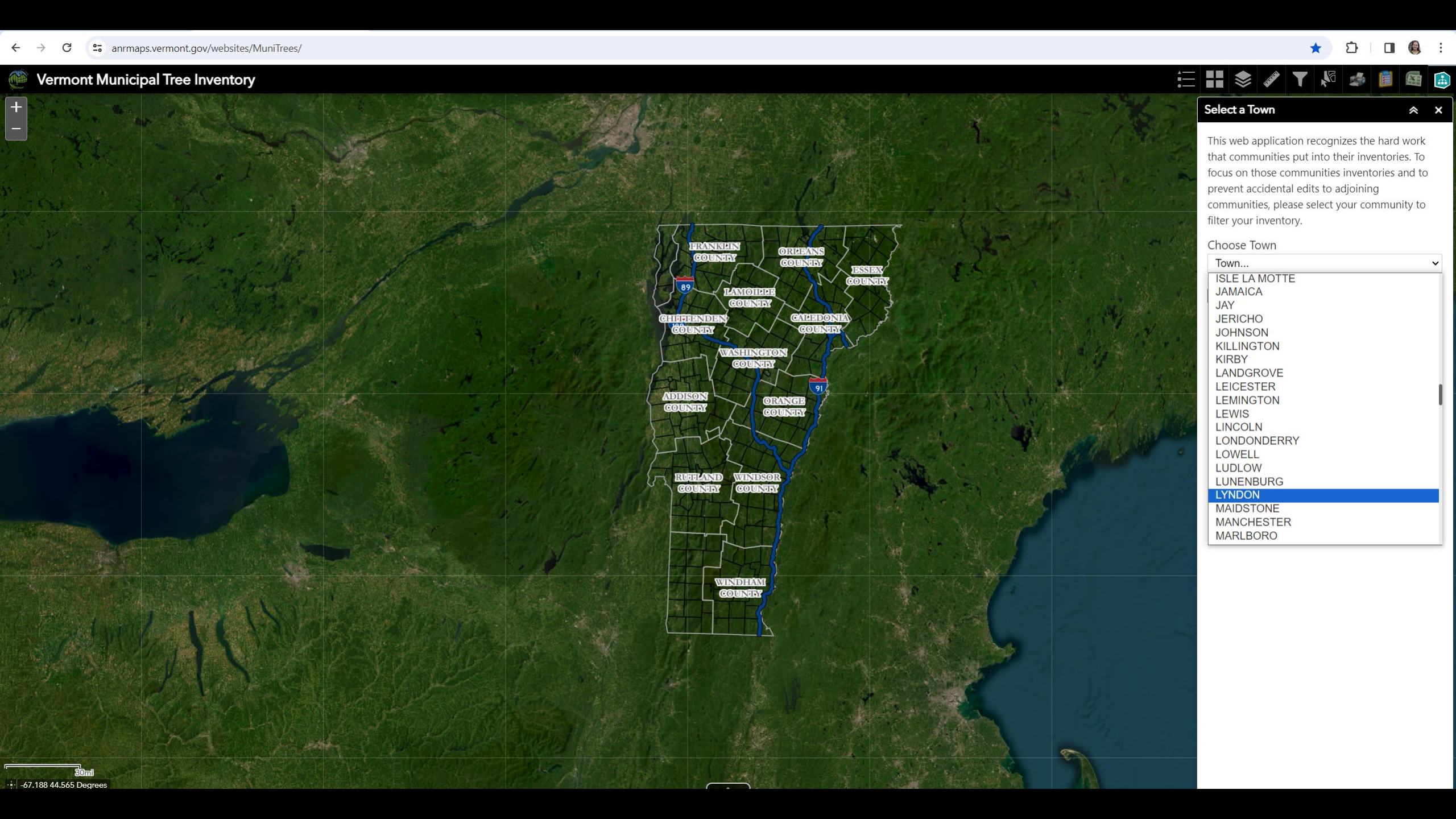
Choose Town
Town...
Next
Cancel
30mi
-76.906 45.708 Degrees


anrmaps.vermont.gov/websites/MuniTrees/
Vermont Municipal Tree Inventory
FRANKLIN COUNTY
ORLEANS COUNTY
ESSEX COUNTY
LAMOILLE COUNTY
CHITTENDEN COUNTY
CALEDONIA COUNTY
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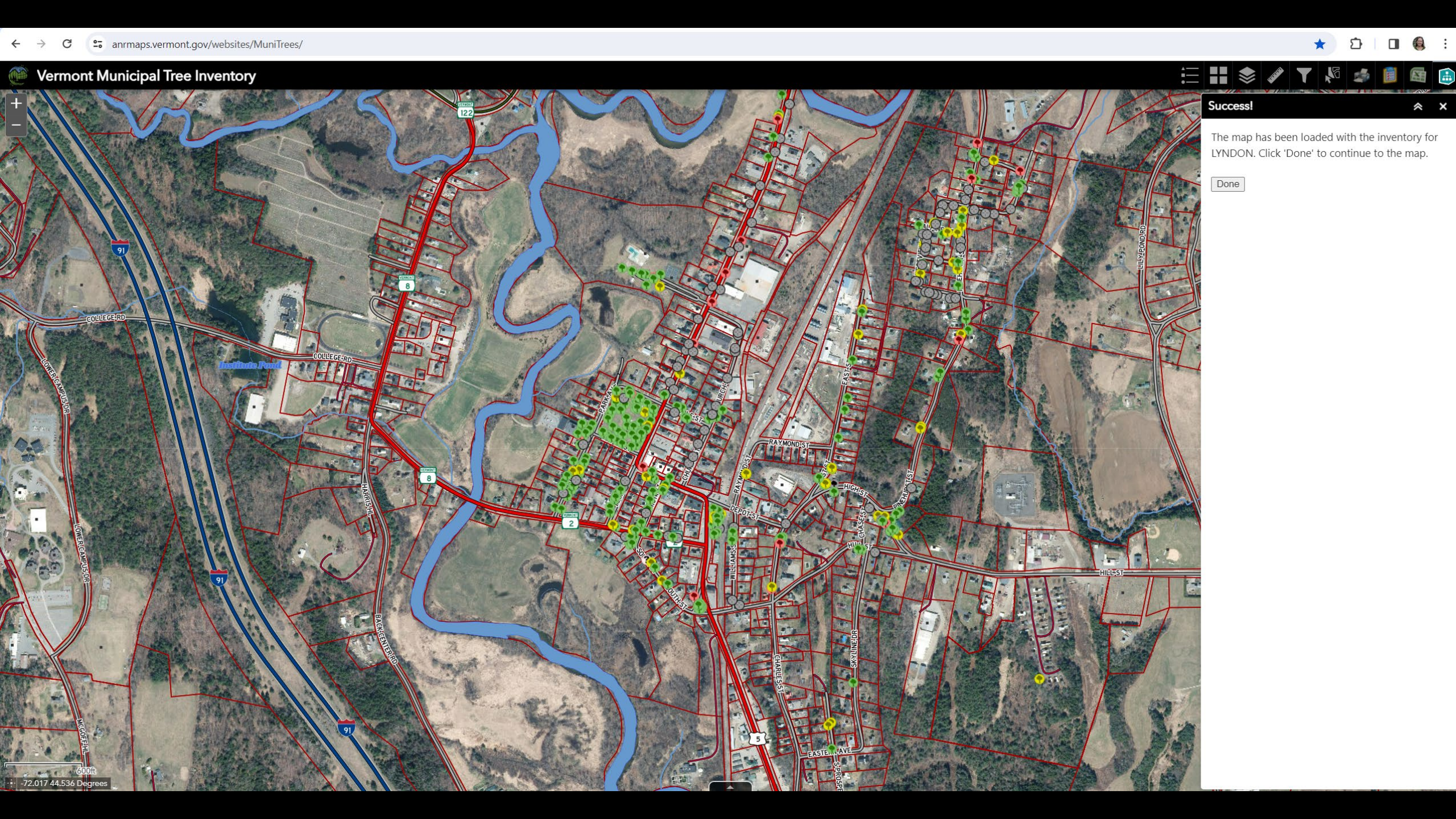
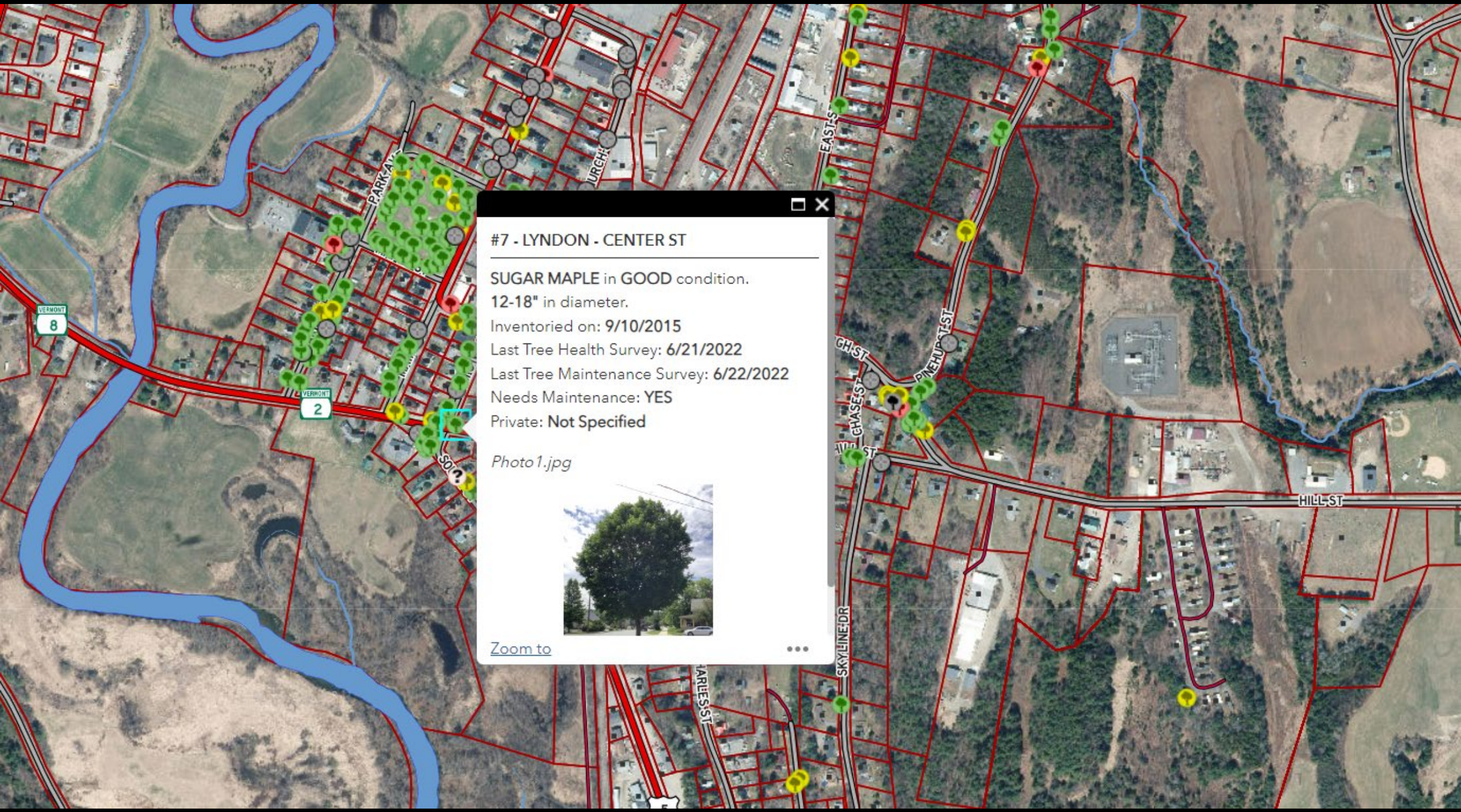
Choose Town
Town...
ISLE LA MOTTE
JAMAICA
JAY
JERICHO
JOHNSON
KILLINGTON
KIRBY
LANDGROVE
LEICESTER
LEMINGTON
LEWIS
LINCOLN
LONDONDERRY
LOWELL
LUDLOW
LUNENBURG
LYNDON
MAIDSTONE
MANCHESTER
MARLBORO
30mi
-67.188 44.565 Degrees


anrmaps.vermont.gov/websites/MuniTrees/
Vermont Municipal Tree Inventory
Success!
The map has been loaded with the inventory for LYNDON. Click 'Done' to continue to the map.
Done
COLLEGE RD
Institute Pond
LOWER CAMPUS DR
HARRIS HL
BACK CENTER RD
RAYMOND ST
DEPOT ST
HIGH ST
HILL ST
SOUTH ST
CHARLES ST
SKYLINE DR
LILY POND RD
600ft
-72.017 44.536 Degrees


#7 - LYNDON - CENTER ST
SUGAR MAPLE in GOOD condition.
12-18" in diameter.
Inventoried on: 9/10/2015
Last Tree Health Survey: 6/21/2022
Last Tree Maintenance Survey: 6/22/2022
Needs Maintenance: YES
Private: Not Specified
Photo1.jpg
Zoom to
VERMONT
8
VERMONT
2
PARK AVE
EAST ST
CHASE ST
HILL ST
SKYLINE DR
HARLES ST

4. EXPORTING A SPREADSHEET

Use this tool to export an Excel spreadsheet that you can filter, sort, tally, or share.

anrmaps.vermont.gov/websites/MuniTrees/

Vermont Municipal Tree Inventory

Select a Town

This tool allows municipalities to download tree inventories for a specific town to an excel spreadsheet. This information is drawn directly from the Tree Inventory dataset dynamically. All information downloaded is current and includes the latest survey information for Tree Health and Maintenance.

Choose Town

Town...

Next Cancel

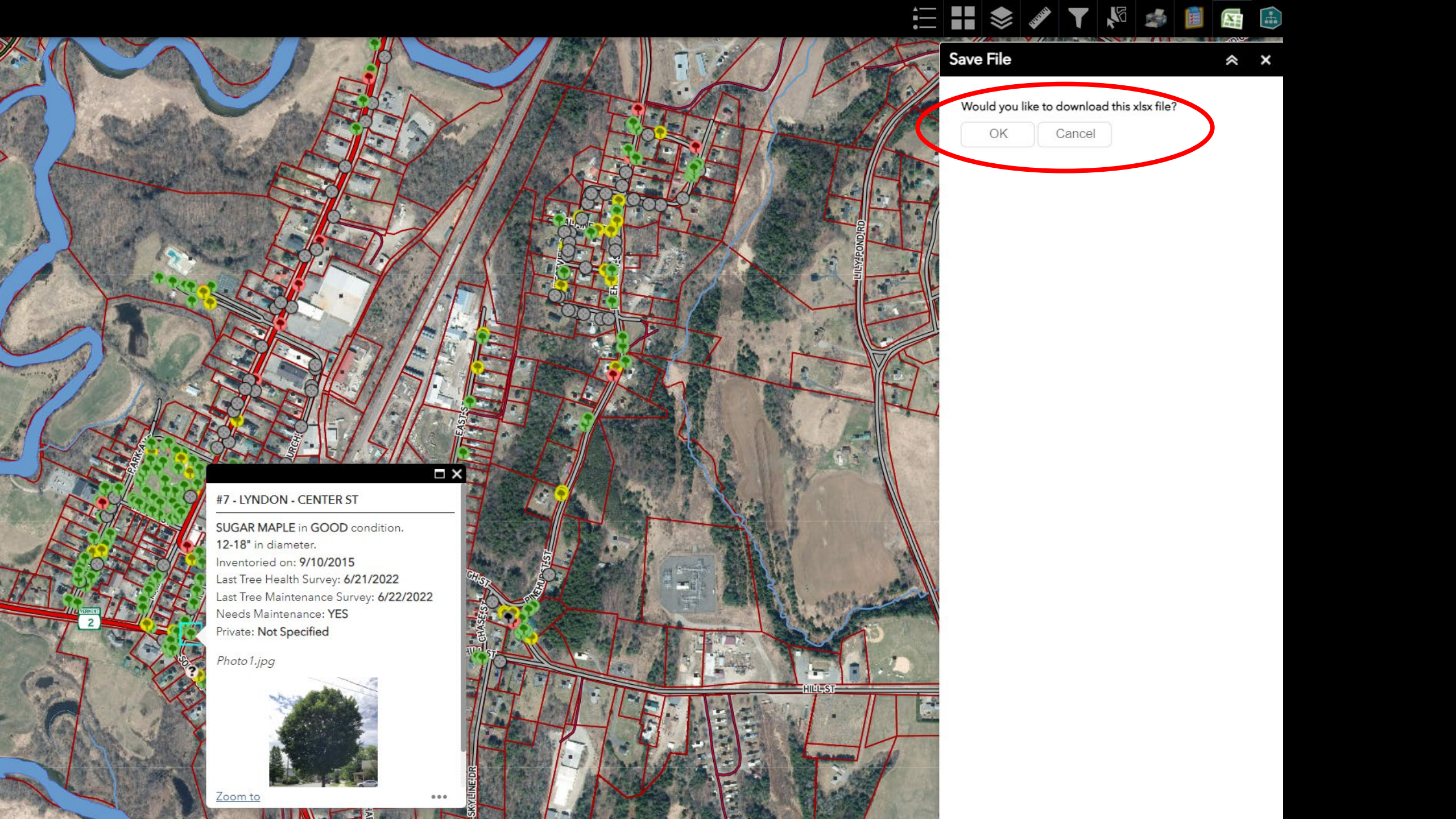
#7 - LYNDON - CENTER ST

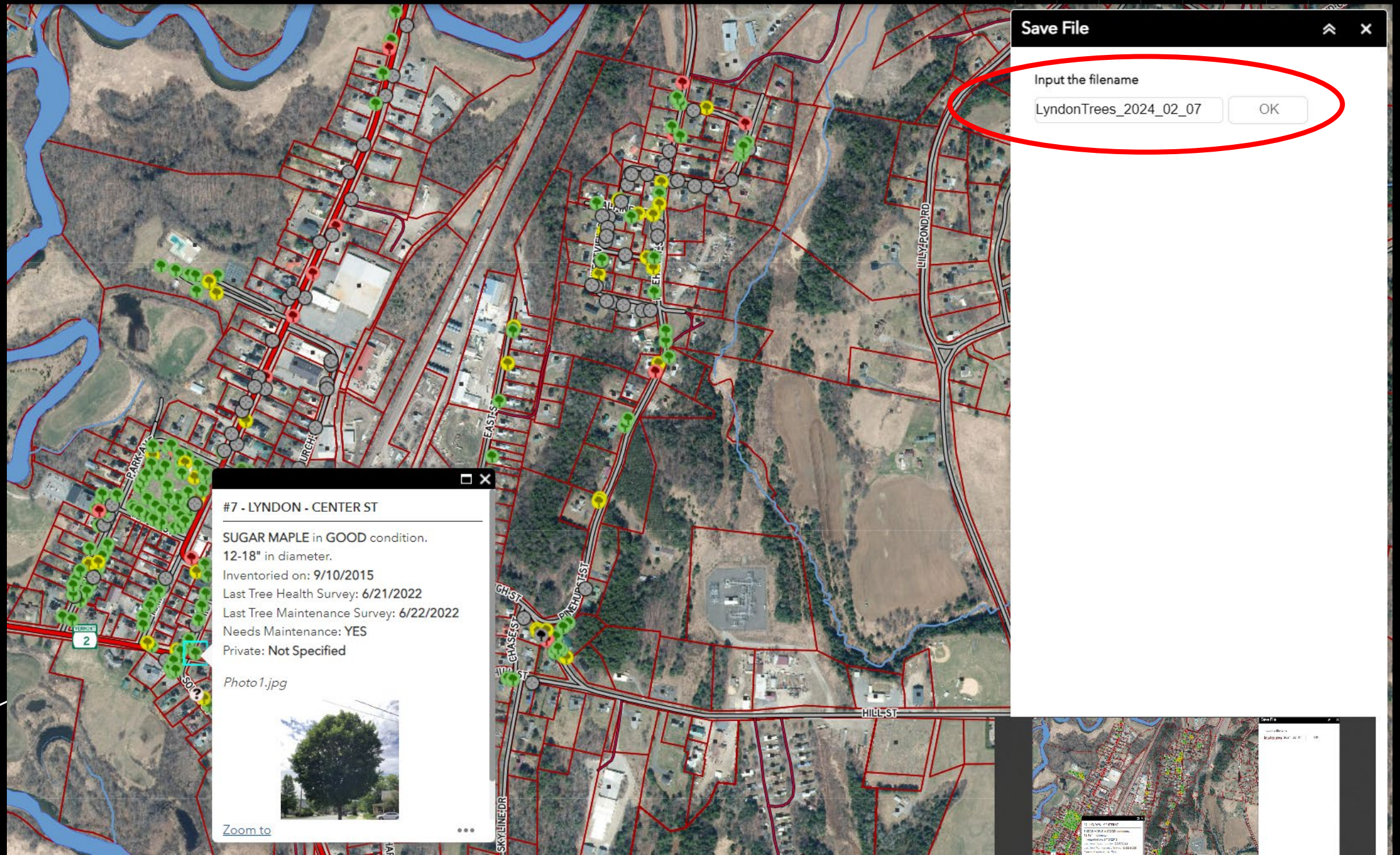
SUGAR MAPLE in **GOOD** condition.
12-18" in diameter.
Inventoried on: **9/10/2015**
Last Tree Health Survey: **6/21/2022**
Last Tree Maintenance Survey: **6/22/2022**
Needs Maintenance: **YES**
Private: **Not Specified**

Photo1.jpg

Zoom to

-71.994 44.539 Degrees


Save File
Would you like to download this xlsx file?
OK
Cancel
#7 - LYNDON - CENTER ST
SUGAR MAPLE in GOOD condition.
12-18" in diameter.
Inventoried on: 9/10/2015
Last Tree Health Survey: 6/21/2022
Last Tree Maintenance Survey: 6/22/2022
Needs Maintenance: YES
Private: Not Specified
Photo1.jpg
Zoom to
LILLY POND RD
HILL ST
SKYLINE DR
VERMONT
2


Save File
Input the filename
LyndonTrees_2024_02_07
OK
#7 - LYNDON - CENTER ST
SUGAR MAPLE in GOOD condition.
12-18" in diameter.
Inventoried on: 9/10/2015
Last Tree Health Survey: 6/21/2022
Last Tree Maintenance Survey: 6/22/2022
Needs Maintenance: YES
Private: Not Specified
Photo1.jpg
Zoom to
LILY POND RD
EAST ST
PINEHURST ST
HILL ST
SKYLINE DR
VERMONT
2

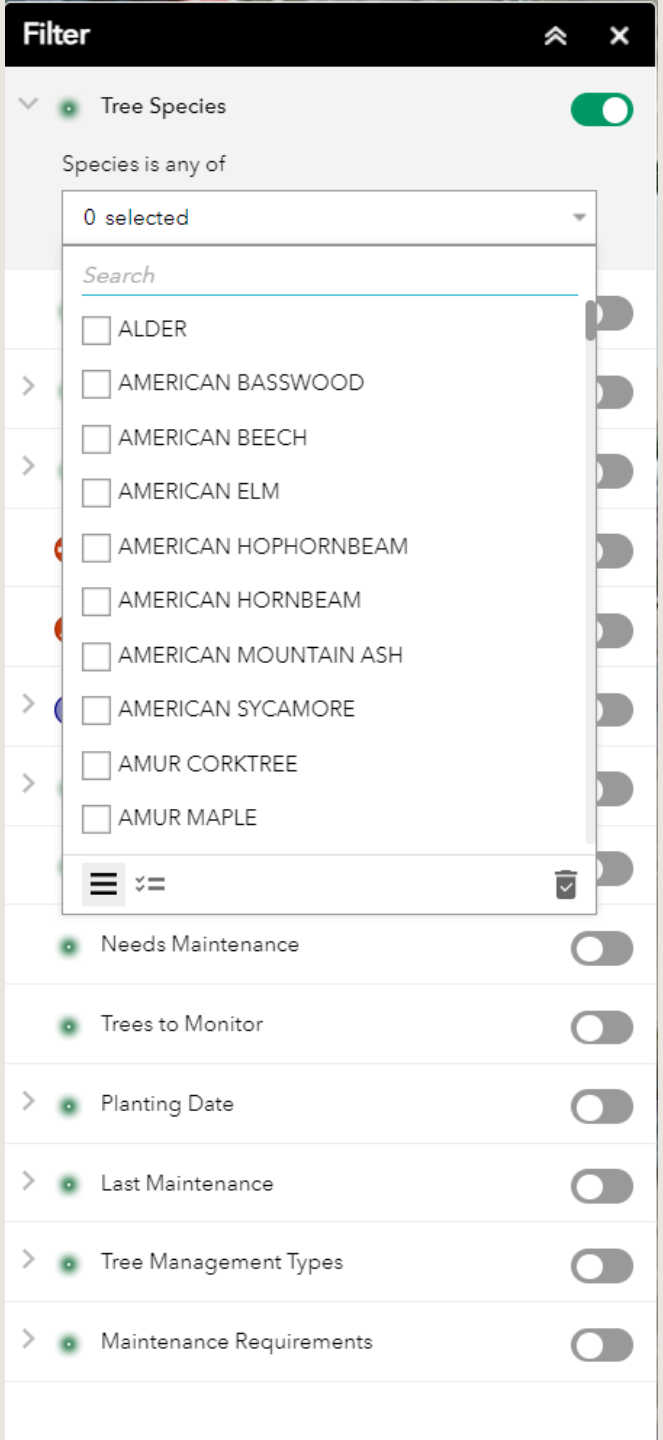
5. USING FILTERS

Pre-set filters help you see some of the most requested data sets.

Vermont Municipal Tree Inventory
Filter
Tree Species
All Ash Species
Tree Condition
Tree Diameter
Vacant Sites
Trees Removed
Trees to Remove
Tree Survey Date
Needs Consulting
Needs Maintenance
Trees to Monitor
Planting Date
Last Maintenance
Tree Management Types
Maintenance Requirements
60ft
Degrees
javascript:void(0)

FILTER BY SPECIES

- Choose by common name.
- Single or multiple selections.
- Search by keyword



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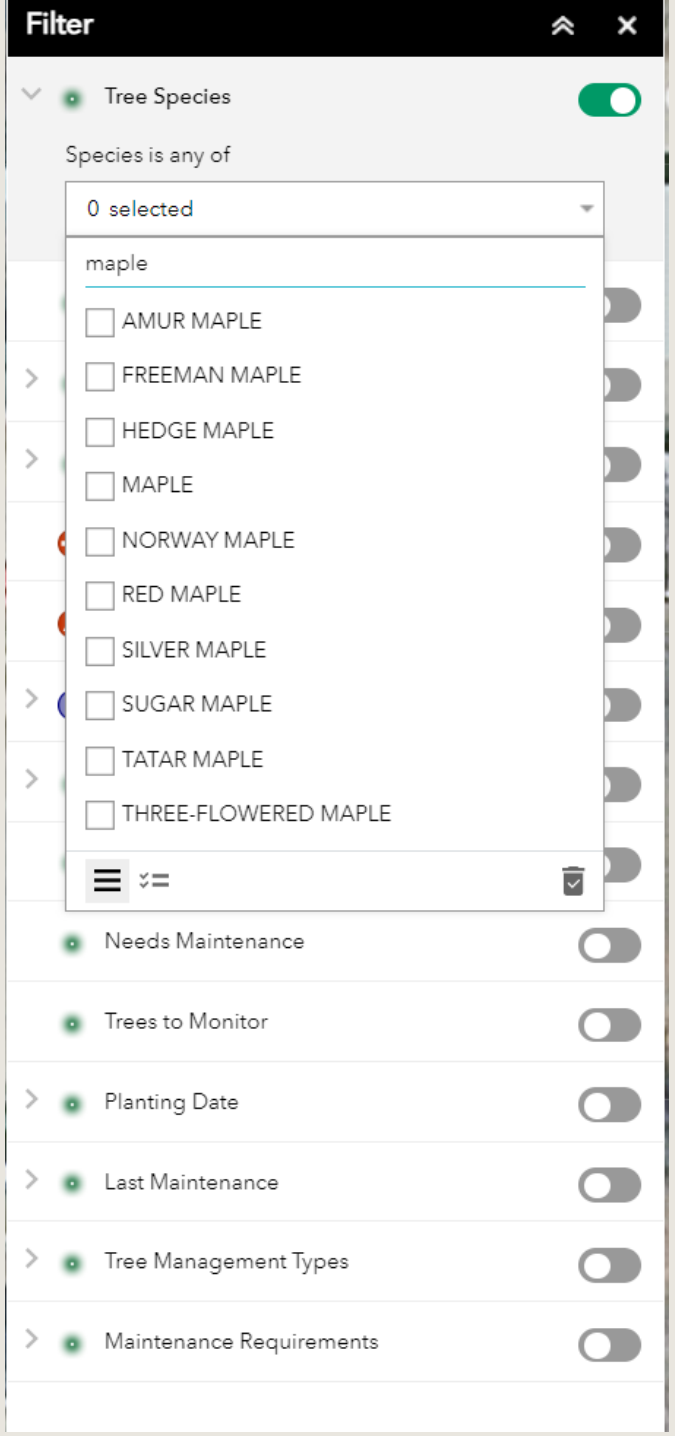
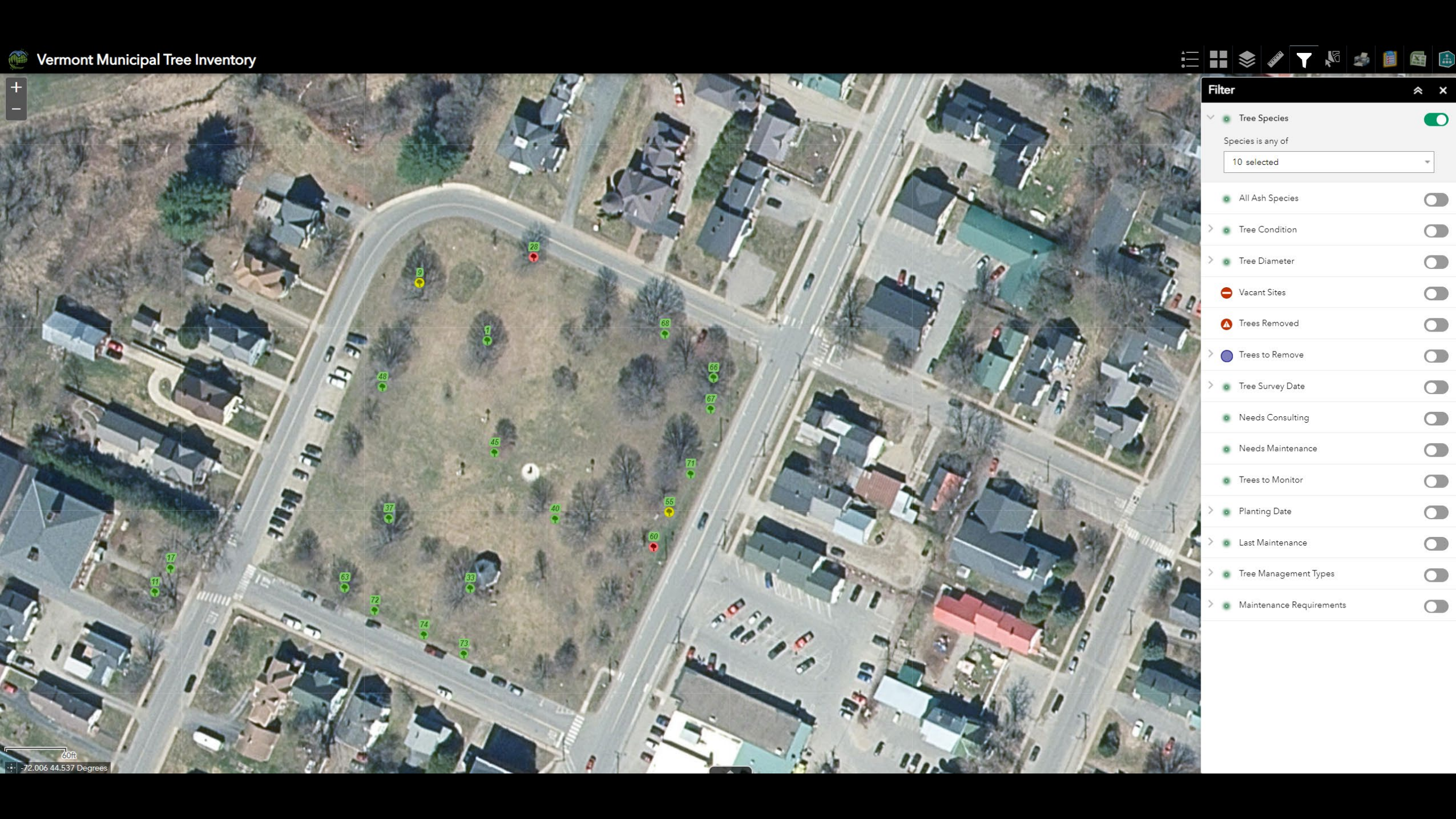
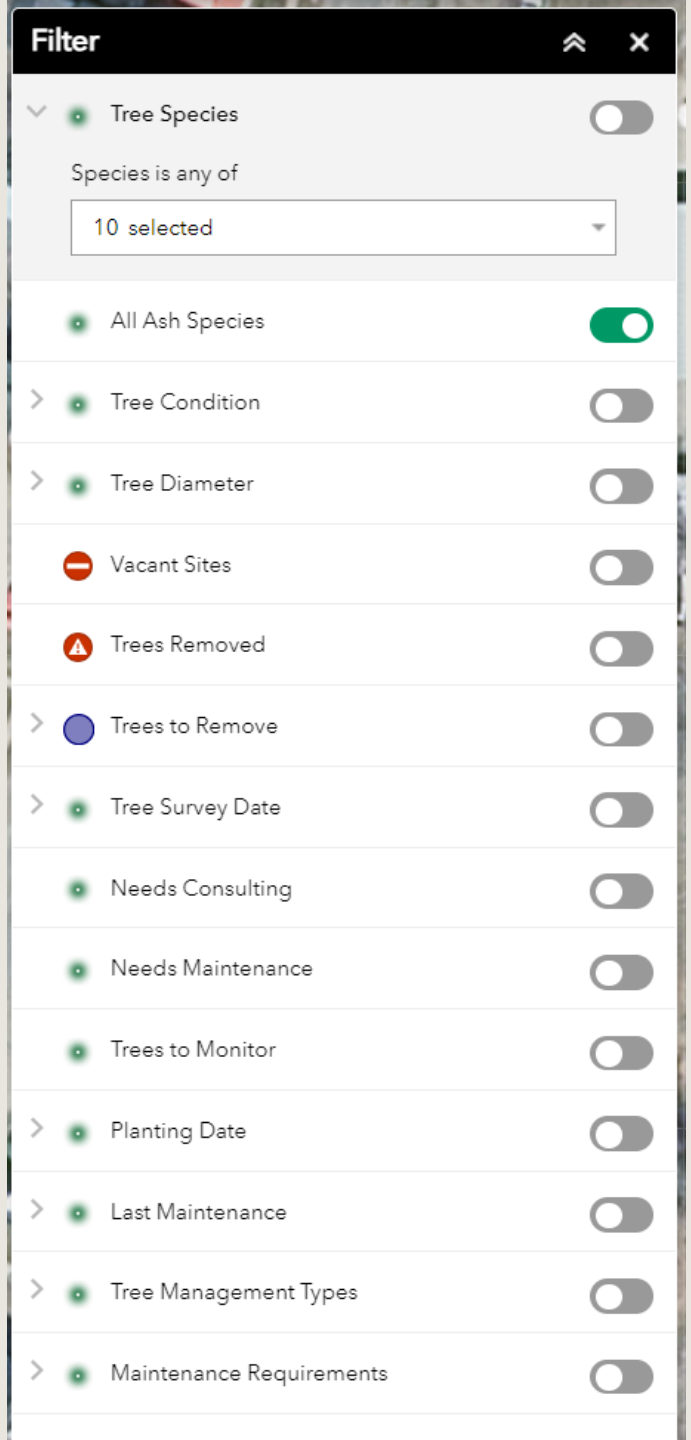



Vermont Municipal Tree Inventory
Filter
Tree Species
Species is any of
10 selected
All Ash Species
Tree Condition
Tree Diameter
Vacant Sites
Trees Removed
Trees to Remove
Tree Survey Date
Needs Consulting
Needs Maintenance
Trees to Monitor
Planting Date
Last Maintenance
Tree Management Types
Maintenance Requirements
60ft
-72.006 44.537 Degrees

Vermont Municipal Tree Inventory
Filter
Tree Species
All Ash Species
Tree Condition
Tree Diameter
Vacant Sites
Trees Removed
Trees to Remove
Tree Survey Date
Needs Consulting
Needs Maintenance
Trees to Monitor
Planting Date
Last Maintenance
Tree Management Types
Maintenance Requirements
60ft
Degrees
javascript:void(0)

FILTER BY ASH ONLY

- Fraxinus genus only
- Includes green ash, white ash, ash



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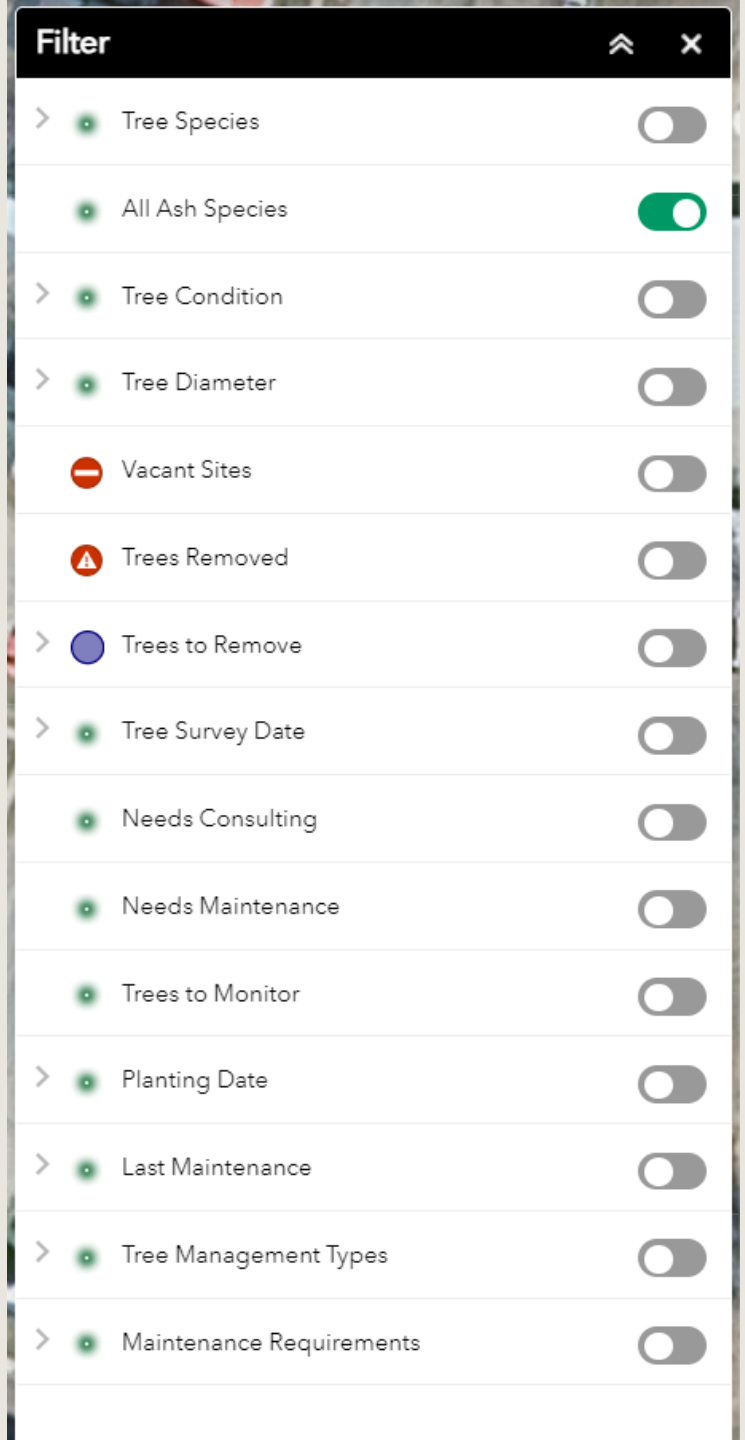
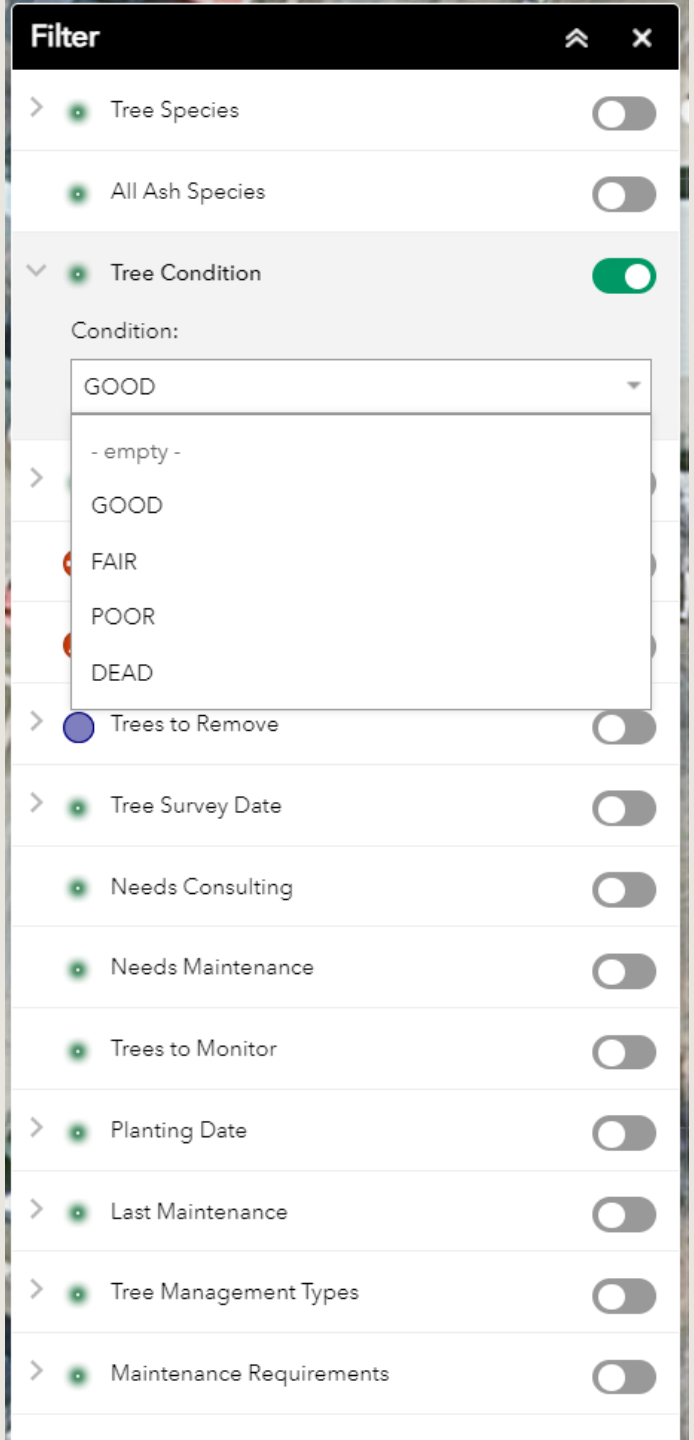


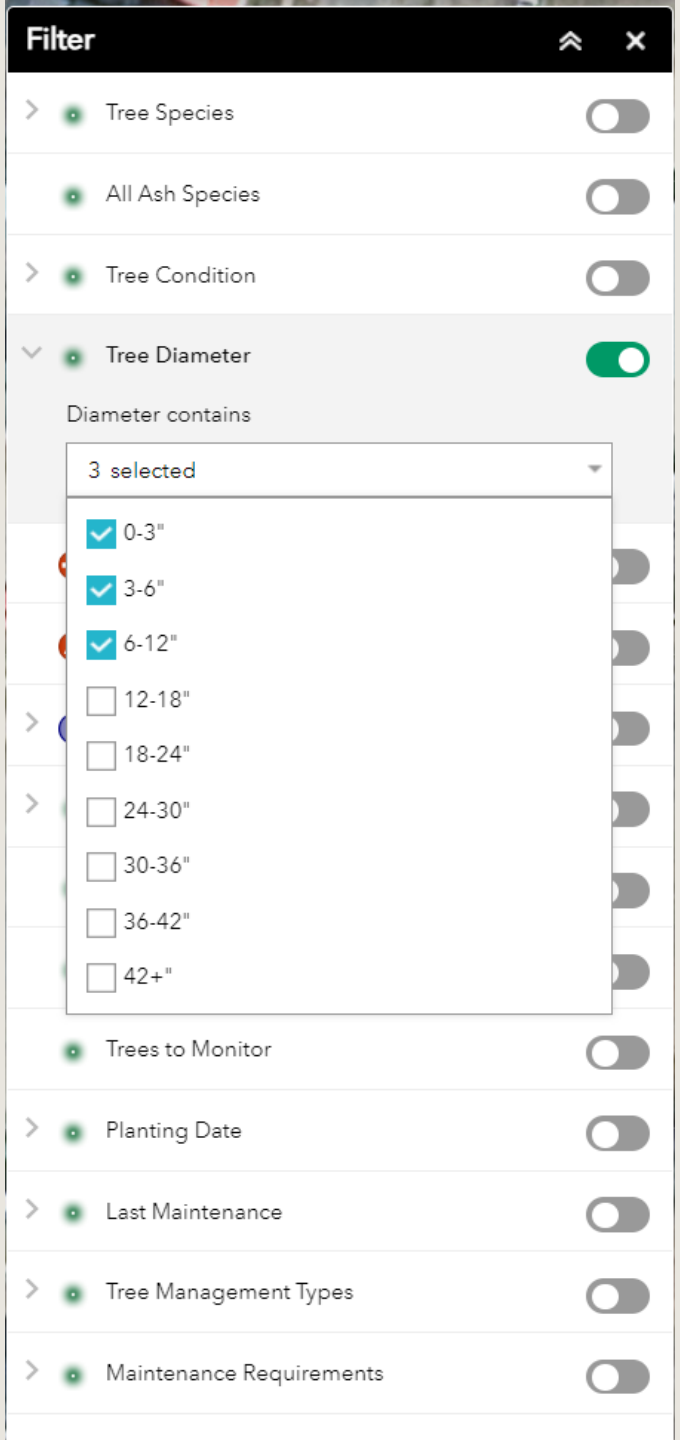
FILTER BY CONDITION

- Good, Fair, Poor, Dead, Vacant
- Coming soon: Planting Site!



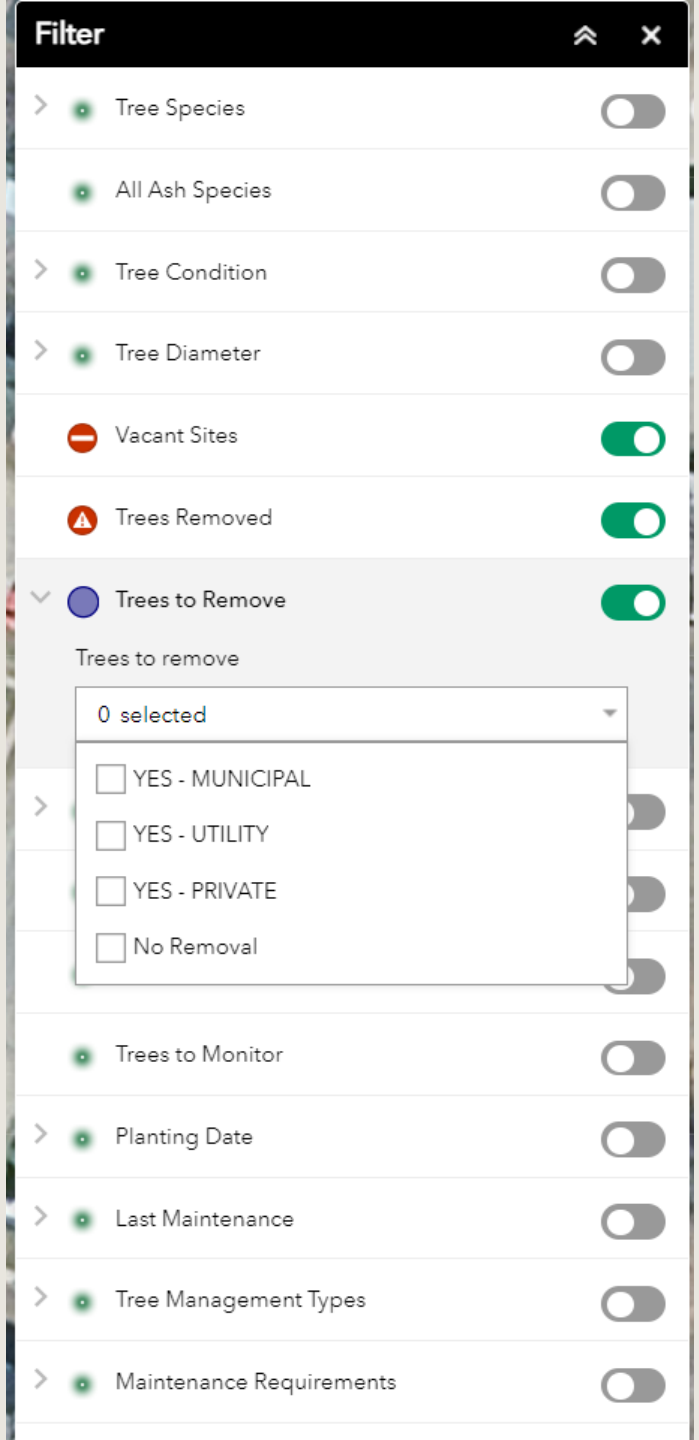
FILTER BY DIAMETER

- Choose any combination of diameter classes.



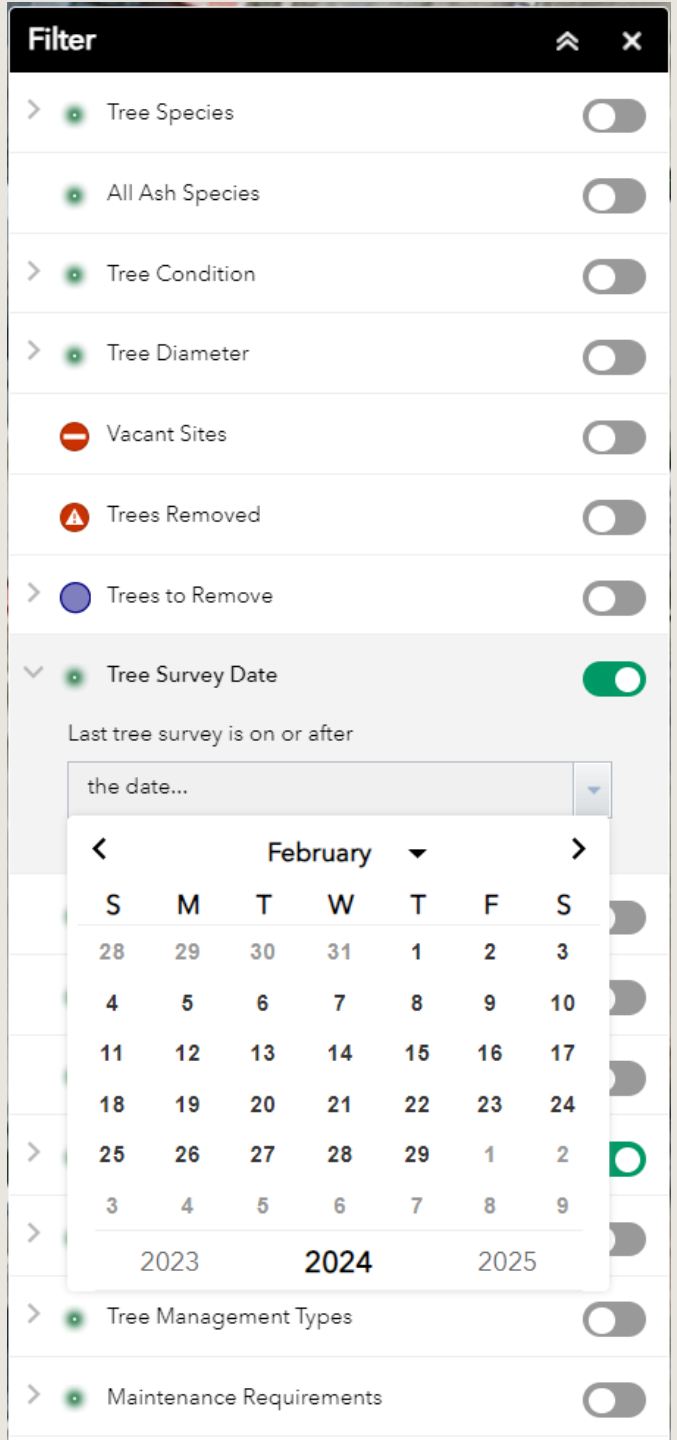
FILTER BY:
VACANT SITE
REMOVED TREES
TREES TO REMOVE

- Choose who will be doing the removal.



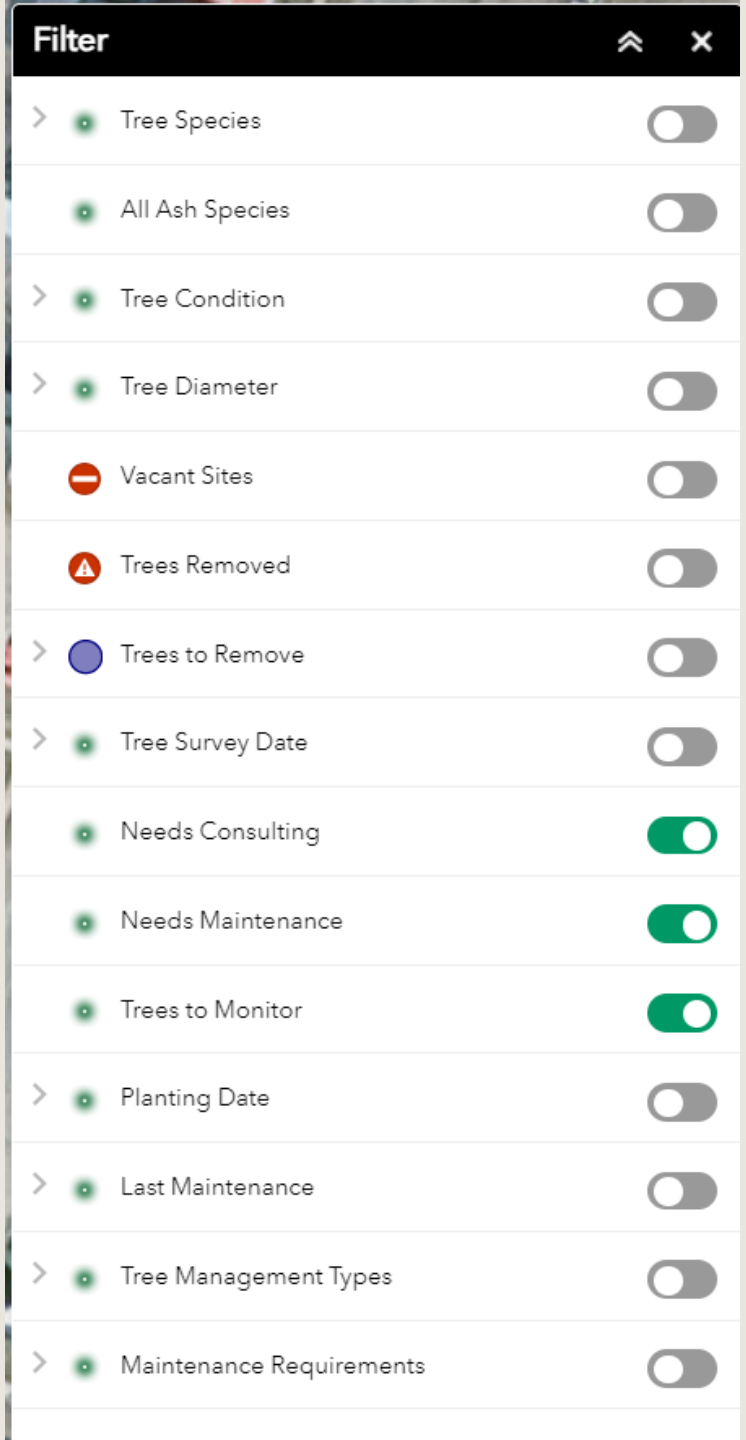
FILTER BY DATE:
TREE SURVEY DATE
PLANTING DATE
LAST MAINTENANCE

- Anything on or after that date will be displayed.



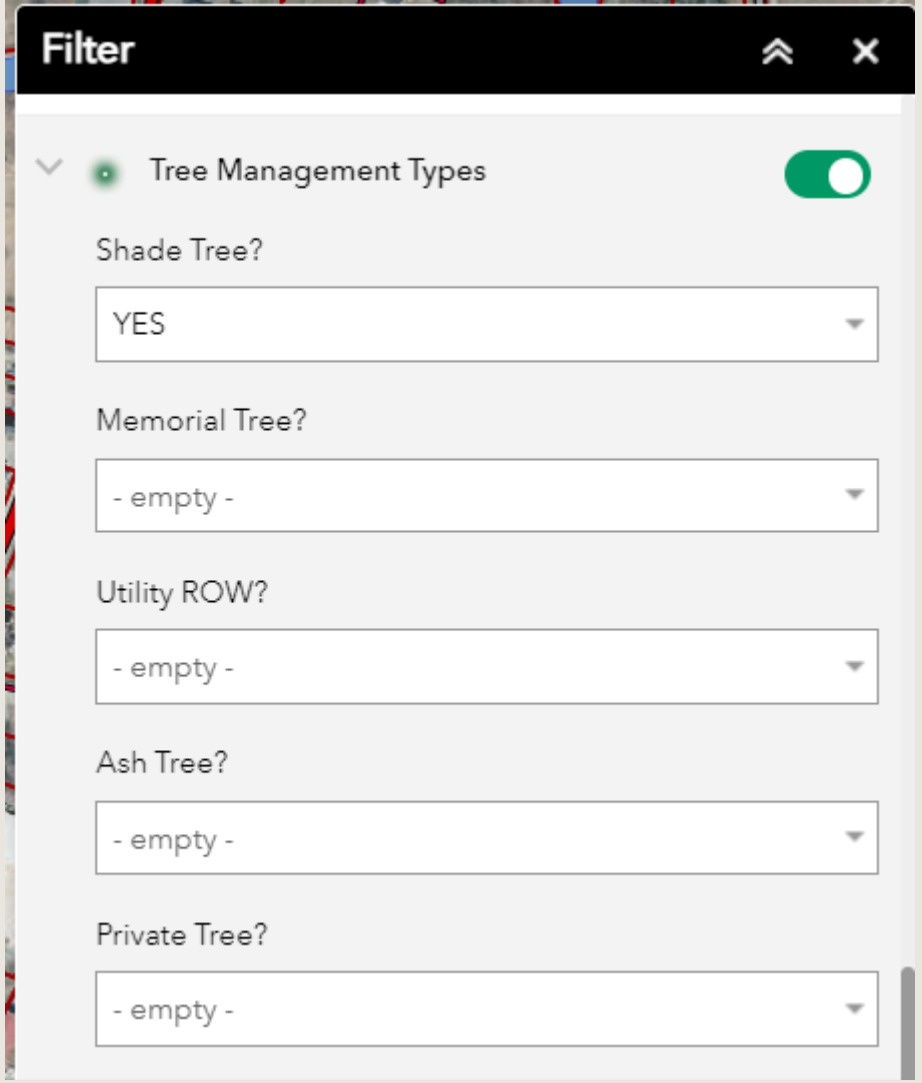
FILTER BY NEED FOR: CONSULTING MAINTENANCE MONITORING

- Displays trees where any of these fields = YES



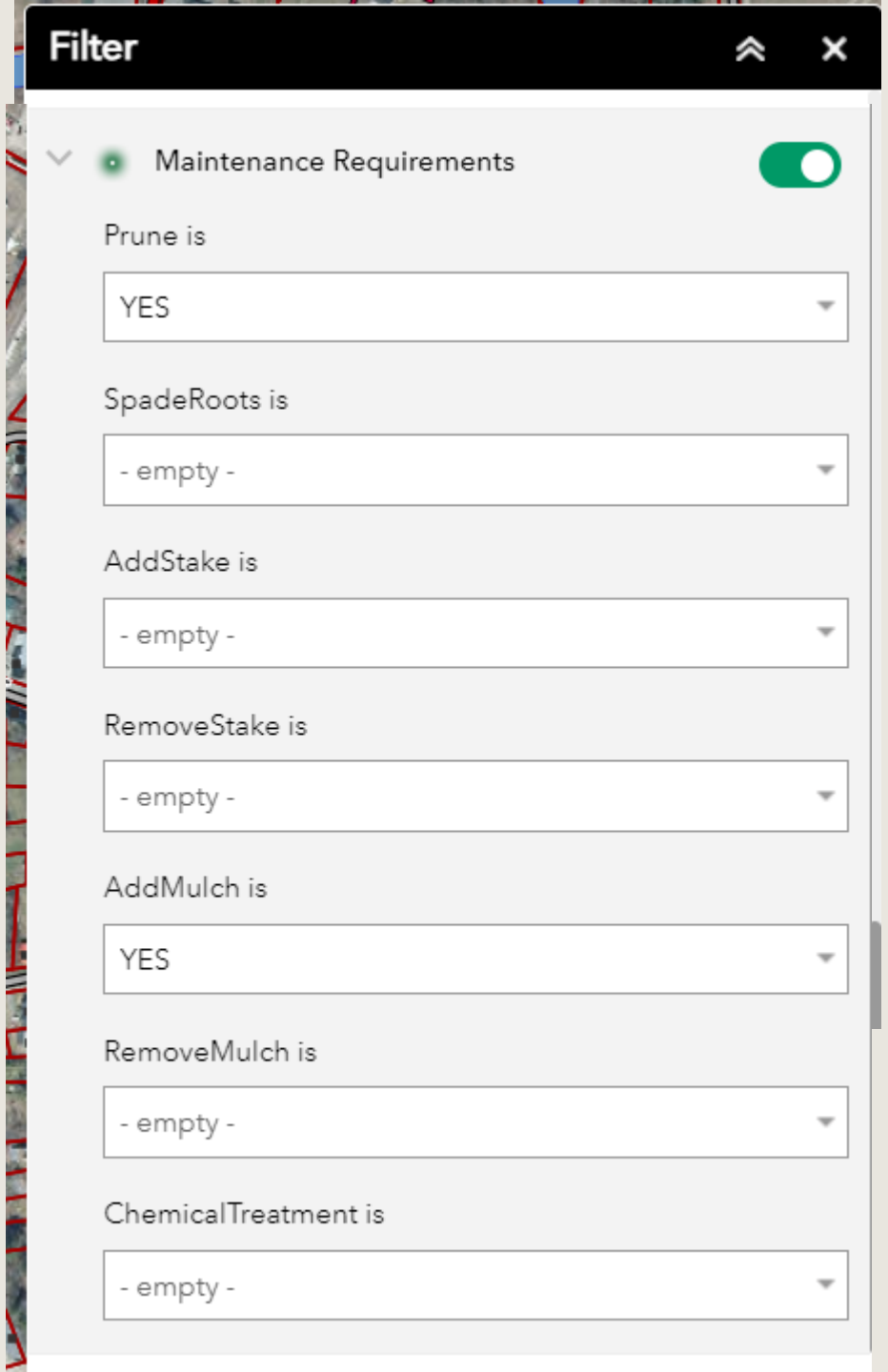
FILTER BY TREE MANAGEMENT TYPE

- Choose YES for any field.



FILTER BY TREE MANAGEMENT TYPE

- Choose YES for any field.



6. PRINTING MAPS

To pdf that can be printed or shared digitally.

Vermont Municipal Tree Inventory
Print
UCF Tree Inventory Landscape Template
Title
Lyndon - Bandstand Park
Notes
Pruning = YES
Map Scale
Custom Value
1:
1,200
Resolution
Normal
Grid
None
Print
Cancel

Urban Community Forestry - Tree Inventory Map

Lyndon - Bandstand Park

LEGEND

Tree Inventory

- GOOD
- FAIR
- POOR
- VACANT

NOTES

Pruning = YES

0 100 200 ft

WGS 1984 - Web Mercator Auxiliary Sphere

© Vermont Agency of Natural Resources

1: 1200

2/7/2024

DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. ANR and the State of Vermont make no representations of any kind, including but not limited to, the warranties of merchantability, or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.

7. CREATING TREE REPORTS

Share extensive information about a single tree.

Get Tree Inventory Reports

This tool will create reports for selected trees within a user-defined area. To start, draw an area by clicking the map and delineate a boundary surrounding the trees to include in the report.

Add multiple selection areas by clicking 'Add Location'.

+ Add Location

Next | Cancel

Get Tree Inventory Reports

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Add multiple selection areas by clicking 'Add Location'.

+ Add Location

Next Cancel

LYNDON Tree Inventory

VERMONT

Tree #28 - GREENSPACE - PARK

FORESTS, PARKS & RECREATION VERMONT

Species: SUGAR MAPLE	Tree Condition: POOR	Diameter:	18-24"
Inventoried By:		Last Inspection:	
Greenspace Name:		Last Maintenance:	9/10/2015
		Chem. Treatment Date:	
		Collection Date:	9/10/2015
OID: 357773	Removal: No	Consult: Yes	Planting Date:

Tree Maintenance Needed: NO

☒ Private	☒ Monitor
☒ Utility ROW	☑ Prune
☒ Ash Tree	☒ Stem Girdling
☑ Shade Tree	☒ Spade Roots
☒ Memorial Tree	☒ Stake
☑ Dead Wood	☒ Remove Stake
☑ Crown Dieback	☒ Add Mulch
☒ Root Problems	☑ Remove Mulch
☑ Decay	☒ Chemical Treatment

Maintenance Description:

Notes: Bandstand Park. Toms 2 stems. Dieback and decay.
Maintenance Notes: Bandstand Park. Toms 2 stems. Dieback and decay.
Tree Data Notes: Consult arborist - preserve or remove?

LYNDON Tree Inventory

VERMONT

Tree #89 - GREENSPACE - PARK

FORESTS, PARKS & RECREATION VERMONT

Species: NORTHERN HACKBERRY	Tree Condition: GOOD	Diameter:	0-3"
Inventoried By:	JSG	Last Inspection:	
Greenspace Name:	Bandstand Park	Last Maintenance:	
		Chem. Treatment Date:	
		Collection Date:	9/8/2022
OID: 529306	Removal: No	Consult:	Planting Date: 11/4/2022

Tree Maintenance Needed:

☒ Private	☒ Monitor
☒ Utility ROW	☒ Prune
☒ Ash Tree	☒ Stem Girdling
☑ Shade Tree	☒ Spade Roots
☒ Memorial Tree	☒ Stake
☒ Dead Wood	☒ Remove Stake
☒ Crown Dieback	☒ Add Mulch
☒ Root Problems	☒ Remove Mulch
☒ Decay	☒ Chemical Treatment

Maintenance Description:

Notes:
Maintenance Notes:
Tree Data Notes: Planted bare root. Sourced from Schichtel's Tree Nursery via New England Nurseries and delivered to Burlington.

8. THE MEANING OF 3/30/2022

We imported all data into our new data platform on this date.

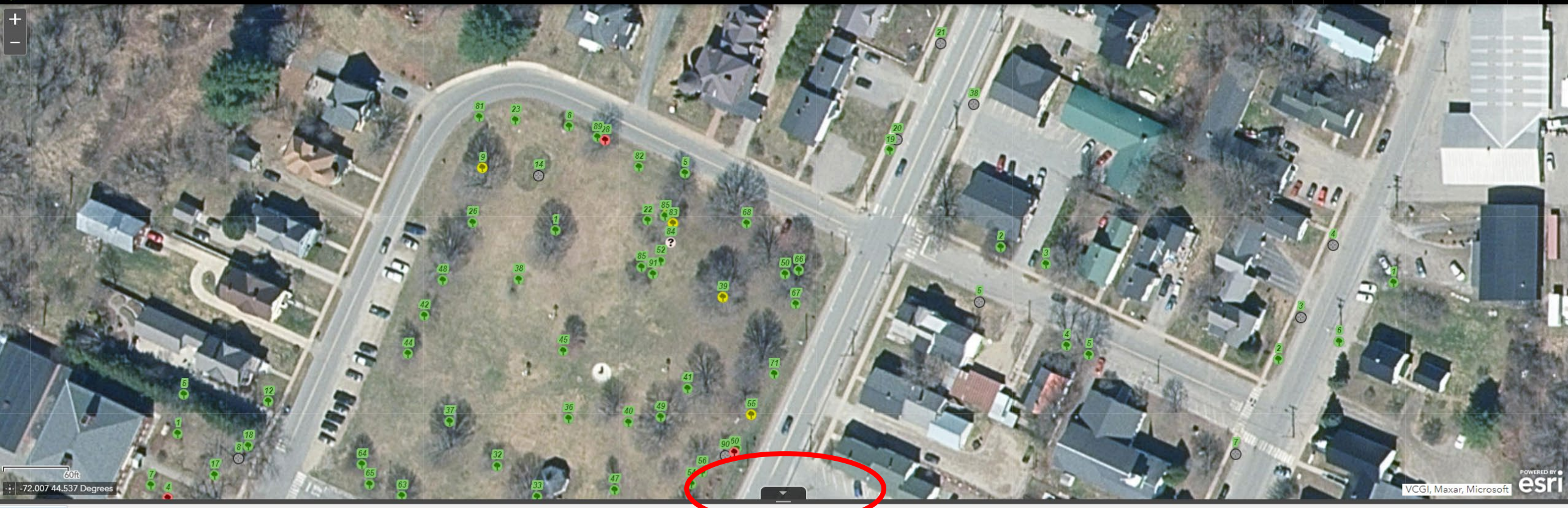
Any data inventoried prior to 3/30/2022 will display its original inventory date and a “Last Tree Health Survey” date of 3/30/22.

#5 - LYNDON - PARK AV
NORTHERN RED OAK in GOOD condition.
42+" in diameter.
Inventoried on: 9/10/2015
Last Tree Health Survey: 3/30/2022
Last Tree Maintenance Survey: No Maintenance Surveys
Needs Maintenance: NO
Private: Not Specified
Photo1.jpg
Zoom to

9. ADVANCED FILTERS

You may have another idea about how to filter your data.

Vermont Municipal Tree Inventory

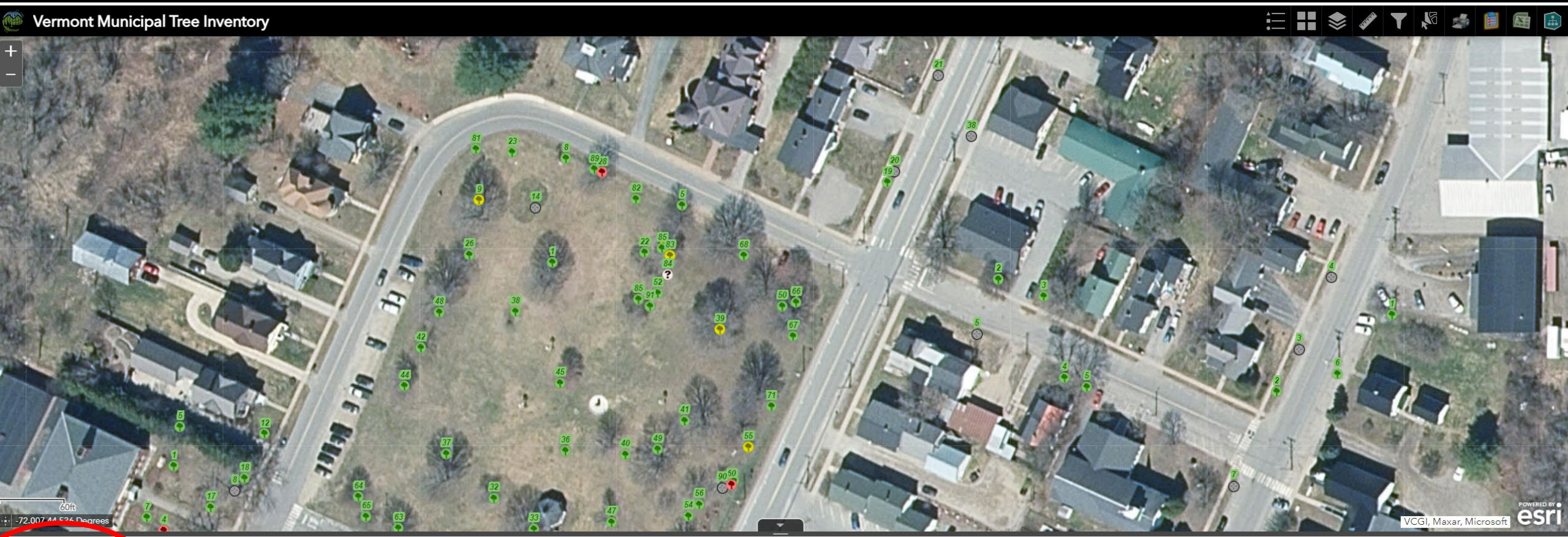


Tree Inventory

Options | Filter by map extent | Zoom to | Clear selection | Refresh

OBJECTID	Project	TOWN	TreeNum	SPECIES	HouseNumber	Diameter	ConditionID	CollectionDateTir	Comments	InventoriedBy	LastTreeInventory	LastInspected	GreenspaceName	ShadeTree	MemorialTree	UtilityROW	AshTree	Private	Remove
352237	LYNDON - MIDDLE ST	LYNDON	5				VACANT	9/8/2015	Small tree		6/21/2022					YES			No
352241	LYNDON - MAIN ST	LYNDON	21		241		VACANT	6/21/2022	vacant, tree planting site?, note power lines	jd	6/21/2022								No
352242	LYNDON - MAIN ST	LYNDON	19	OAK	223	0-3"	GOOD	6/21/2022	Vacant, tree planting?, note power lines	jd	5/5/2023			YES		YES			No

70 features 0 selected



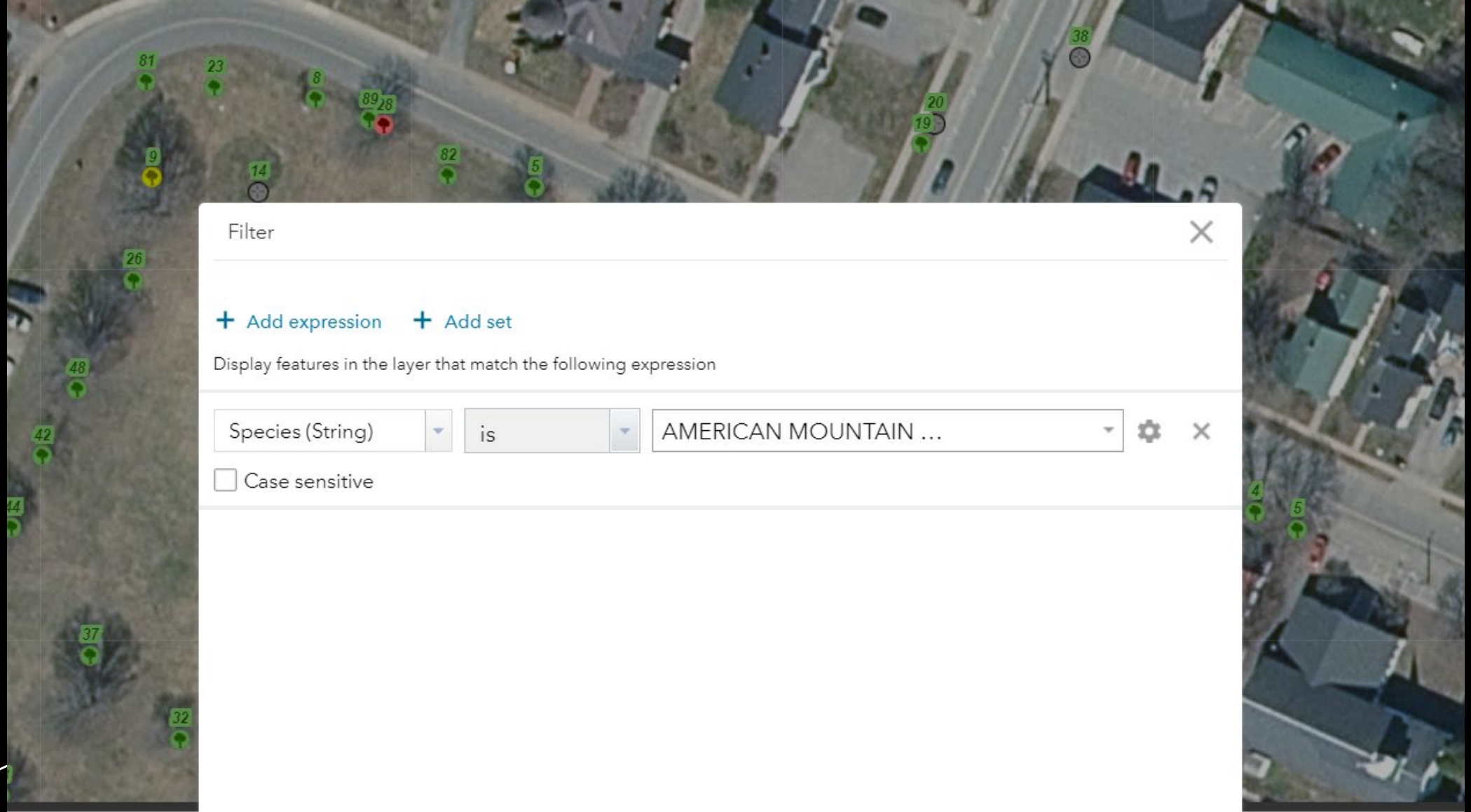
Tree Inventory

Options | Filter by map extent | Zoom to | Clear selection | Refresh

Show selected records
Show related records
Filter
Show/Hide columns
Export all to CSV

		TOWN	TreeNum	SPECIES	HouseNumber	Diameter	ConditionID	CollectionDateTir	Comments	InventoriedBy	LastTreeInventory	LastInspected	GreenspaceName	ShadeTree	MemorialTree	UtilityROW	AshTree	Private	Remove
	ST	YNDON	5				VACANT	9/8/2015	Small tree		6/21/2022					YES			No
352241	LYNDON - MAIN ST	LYNDON	21		241		VACANT	6/21/2022	vacant, tree planting site?, note power lines	jd	6/21/2022								No
352242	LYNDON - MAIN ST	LYNDON	19	OAK	223	0-3"	GOOD	6/21/2022	Vacant, tree planting?, note power lines	jd	5/5/2023			YES		YES			No

0 features 0 selected



Filter

+ Add expression + Add set

Display features in the layer that match the following expression

Species (String) | is | AMERICAN MOUNTAIN ...

Case sensitive

Cancel OK

HouseNumber	Diameter	ConditionID	CollectionDateTir	Comments	InventoriedBy	LastTreeInventory	LastInspected	GreenspaceName	ShadeTree	M
		VACANT	9/8/2015	Small tree		6/21/2022				

10. TROUBLESHOOTING

Contact Joanne Garton at (802) 249-4217 or joanne.garton@vermont.gov.

For advanced assistance, contact Erik Engstrom at erik.engstrom@vermont.gov.