



# Final Report

for DEM Division of Environmental Management Division of Forest Management  
Urban and Community Forest Grant #20-DG-182

to the

Town of Jamestown, RI

Conducting a Public Tree Inventory Program in Jamestown



Jamestown Tree Preservation and Protection Committee

James Simmons, Chair / Richard Kingsley, Vice-Chair / Beth Herman, Secretary

February 2024

# Final Report for DEM Division of Environmental Management Division of Forest Management – Urban and Community Forest grant #20-DG-182 to the town of Jamestown, RI

## Conducting a Public Tree Inventory Program in Jamestown

This document is a final report to the RI Department of Environmental Management Division of Forest Management, which in 2021 generously awarded a grant to the Town of Jamestown, RI for the purpose of conducting an inventory of all trees located on property controlled by the town.

### 1) Overview, implementation, and results of the project.

The original purpose of the grant was for the Jamestown Tree Preservation and Protection Committee (Jamestown Tree Committee) to conduct an inventory of town trees during the 2022 year. Due to complications of the pandemic, RIDEM graciously amended the end-date to be August 31, 2023. Thus, this task was accomplished during the Fall of 2022 and the first half of 2023.

It was determined that a “town tree” was one situated on town property, such as in town-owned parks, on public school property, on property surrounding town facilities (e.g. the Library), on public right-of-ways to Narragansett Bay, and on along-road right-of-ways (e.g. up to ten feet in from the road edge).

The inventory of town trees was accomplished using a Filemaker database program using a version of The Urban Forest Metrix program called The Accessible Urban Tree Inventory program (AUTI) running on an Apple iPad. Four hundred and fifty trees have been visited and described by volunteers from the Jamestown Tree Committee, grade school and high school students, and with help from the Jamestown Tree Warden. The characteristics recorded were the species of tree, its size (measured by its trunk diameter at breast height or DBH), its location (latitude, longitude, nearby street address), its condition (good, fair, poor, dead, removed – and see Figure 1 and Table 1), and any notes regarding conflicts (utility lines), or needed maintenance (pruning). The inventory database can now be searched in any manner to identify the characteristics of any single town tree or any multiple number of town trees. Table 2 describes the types and number of trees located on town property that has been surveyed.

The town of Jamestown is home to a diverse variety and large number of trees (Table 2). This fact adds to the livability of our residents and provides huge benefits to the beauty and sustainability of our environment. We found that by far the most prevalent tree was the red maple (*Acer rubrum*) (see Table 2). Many of these trees have been planted. This is not surprising considering the beauty of these trees especially in the Spring and Fall

(red seeds and foliage), and the fact that it has been designated as the “Rhode Island state tree”. In addition, we found that there are several other species we feel are easily reproduced and spread (some would call them “invasive”). These are: Norway maple (*Acer Norway*), eastern redcedar (*Juniperus virginiana*), black cherry (*Prunus serotina*), Butternut (*Juglans cinerea*), and English oak (*Quercus robur*). Thus, these abundant “invasive” species probably should not be planted with any effort.

The future of this inventory will be to continue it and keep it as a reference searchable at any time and by any characteristic. Although most of the town property has been visited for the purpose of inventorying trees (see Figure 2), there still exists portions of the town that need to be visited. This task is ongoing and we plan to identify other parts of the town to be visited on a yearly basis. For example: in September and October of 2023 we plan to survey roads south of Hamilton Avenue (Beavertail Road, Highland Drive, Walcott Avenue, etc.), and the Golf Course. In the Spring and early Summer of 2024 we plan to survey remaining unvisited roads and town property north of Narragansett Avenue. Thus, in a year, we expect the entire town will be visited and all of its trees described.

## **2) Recommendations to the Town of Jamestown for maintenance, pruning, and removal of the inventoried trees.**

We found that a number of trees are dead and should be removed (Figure 1 and Table 1). Also, a number are in “poor” condition and could be pruned, removed, or replaced. The inventory database can be easily searched for these trees.

## **3) Recommendations to the Town of Jamestown for future plantings.**

In general, the Committee recommends that fewer exotic Asian species and more native species of trees be planted because we believe our wildlife, pollinators, and citizens will benefit more from the planting of native species. However, we defer to the judgment of the Jamestown Tree Warden regarding this recommendation.

There is a large empty tree pit in front of 47 Conanicus Avenue (East Ferry Deli) in which a tree should be planted. There are several indentations in the stone wall on North Main Road near the town reservoir that should also contain trees.

The planting of new trees should be contemplated along well-traveled roads, e.g. Beavertail Road, Southwest Avenue, Conanicus Avenue, Walcott Avenue, North Main Road, and East Shore Road.

**Narragansett Avenue:** This street is the main street in Jamestown. Along Narragansett Avenue, some zelkova trees should be replaced with trees that might have fewer conflicts with overhead utility lines.

**4) Notification to the Town of Jamestown regarding a budget and timeline for implementing maintenance and planting of trees.**

<u>Description of work</u>	<u>Possible timing</u>	<u>Estimated cost to DPW</u>
Planting of tree in tree pit in front of 47 Conanicus Avenue with supervision from tree warden and director of Jamestown DPW	Fall 2023	\$250
Planting of trees west of the town reservoir (stone wall indentations) with supervision from tree warden and director of Jamestown DPW	Fall 2023	\$750
Removal of several dead trees See the inventory - under supervision of tree warden and the director of Jamestown DPW	Winter 2023-24	\$0
Pruning of trees rated as “poor” in tree inventory and under supervision of tree warden and director of Jamestown DPW	Spring-Summer 2024	\$0

**5) Budget and reimbursement:**

See attached

**6) How this report is to be distributed and made publicly available**

This report will be distributed to the public in several ways:

- a) A PDF version will be placed on the Town Tree Committee web site ([www.Jamestowntree.org](http://www.Jamestowntree.org))
- b) A PDF version will be placed on the Town web site ([www.Jamestownri.org](http://www.Jamestownri.org))
- c) Printed versions of this report will be available (via mail) to the public for any resident who asks the Town Clerk or any member of the Tree Committee for a copy.

Also, additional copies of this report will be provided to the Town Administrator, the director of public works, the tree warden, and every member of the town council.

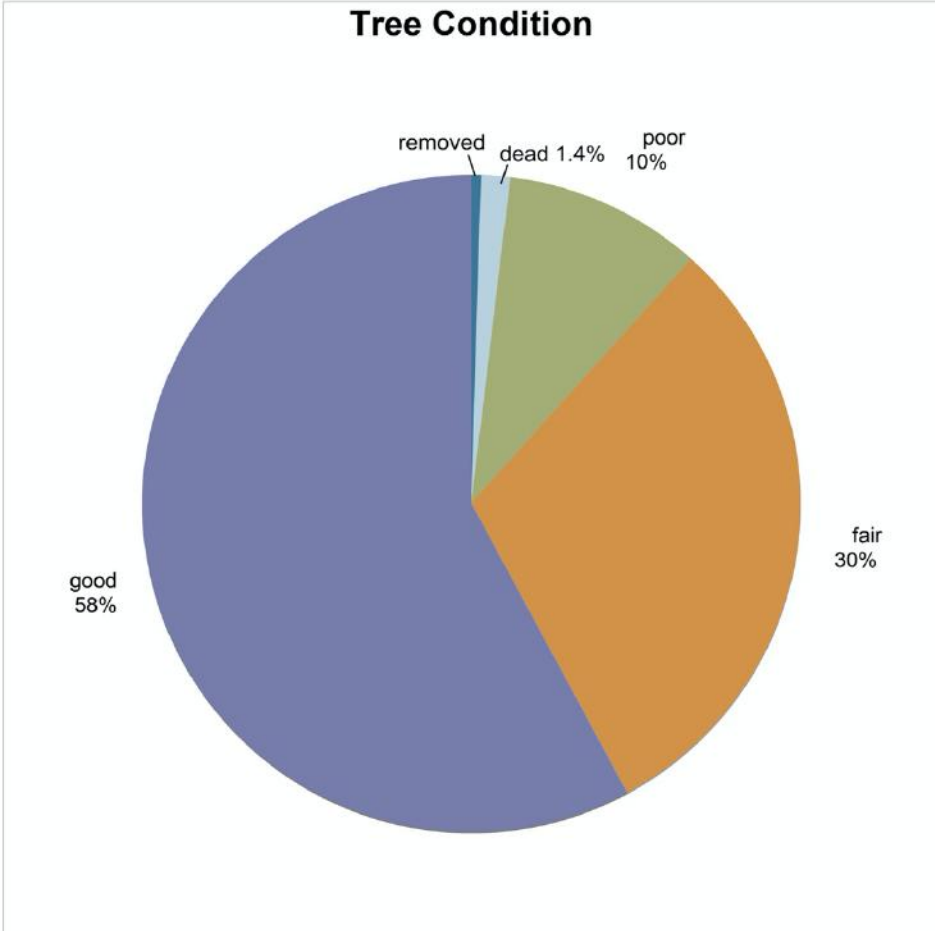


Figure 1: Relative conditions of Jamestown trees.

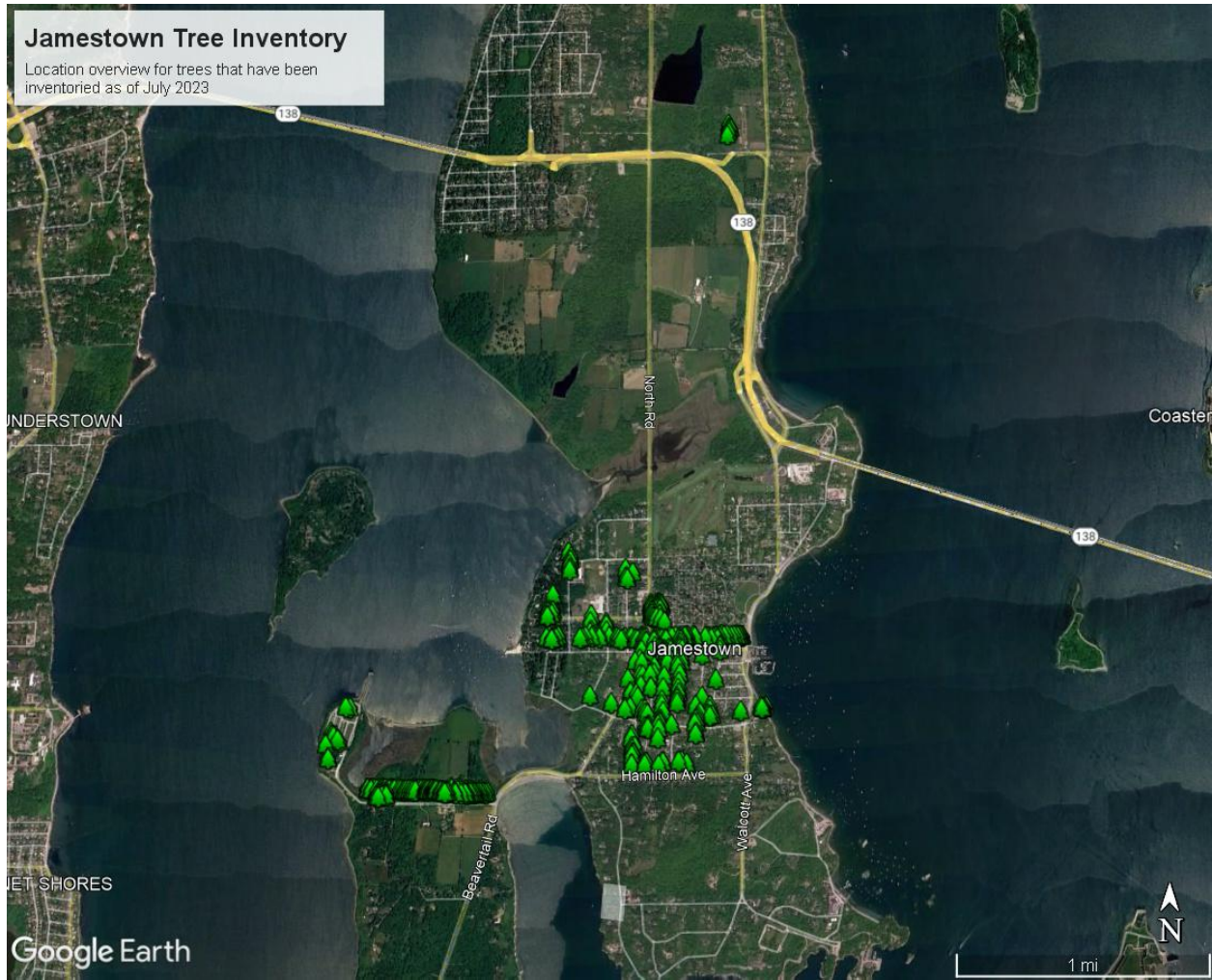


Figure 2: Map of Jamestown, RI using the Google Earth program showing trees Already inventoried. Note: 1) 450 trees have been visited and described in the most densely populated portion of the town; 2) trees on town-owned property south of Hamilton Ave will be inventoried during the Fall of 2023; 3) trees on town-owned property north of Narragansett Ave will be inventoried during the Spring of 2024.

Table 1: Jamestown trees dead, or in poor condition.

Common name	DBH	Lat deg N	Long deg E	Condition	Address
maple species	14	41.495610000	-71.373140000	1 dead	St. Mathew's Church West Street
cherry black		41.487437000	-71.395155000	1 dead	1003 Fort Getty Rd
cherry black		41.487416000	-71.394600000	1 dead	1003 Fort Getty Rd
cherry black		41.487436000	-71.394279000	1 dead	1003 Fort Getty Rd
maple Norway	7.6	41.487291000	-71.388690000	1 dead	Ft Getty Rd south side
Unknown		41.497775000	-71.374443000	1 dead	Library
cherry Jap. Flowr.	2	41.496304323	-71.372259075	2 poor	68 Narragansett Ave
maple red	2	41.496333991	-71.371846358	2 poor	70 Narragansett Ave
eastern redcedar	8.25	41.527426000	-71.368450000	2 poor	Jamestown
eastern redcedar	8.9	41.526721000	-71.368544000	2 poor	Jamestown
cherry black		41.496276211	-71.375280710	2 poor	116 Narragansett Ave
Zelkova	6.7	41.496317422	-71.378567819	2 poor	160 Narragansett Ave
maple Norway	30.5	41.496231036	-71.379165951	2 poor	170 Narragansett Ave
eastern redbud	13	41.494961012	-71.372430874	2 poor	22 Howland Ave
maple Norway	6	41.497409300	-71.382646100	2 poor	26 Ocean Ave
cherry black	14	41.497787800	-71.382572000	2 poor	26 Ocean Ave
cherry black	14.3	41.496608900	-71.379213300	2 poor	8 Washington Street
maple Norway	8.6	41.497573000	-71.382439000	2 poor	26 Ocean Ave
maple red	12.4	41.494829000	-71.375775000	2 poor	Southwest Avenue
cherry black	40.7	41.490480000	-71.373990000	2 poor	98 Cole Street
linden species	18.5	41.492370000	-71.373690000	2 poor	56 Cole Street
eastern redcedar	24	41.405136000	-71.373166000	2 poor	5 Cole Street
Apple	12	41.494004000	-71.373501000	2 poor	24 Cole Street
spruce white	13	41.495411000	-71.373590000	2 poor	15 West Street
walnut black	24	41.494980000	-71.375400000	2 poor	27 Southwest Ave
eastern redcedar	30	41.492242000	-71.365812000	2 poor	10 High St
maple Norway	11.4	41.492288000	-71.365839000	2 poor	10 High St
fir balsam	3.18	41.492238000	-71.365741000	2 poor	10 High St
Douglas-fir	3.18	41.492223000	-71.365858000	2 poor	10 High St
maple Norway	36.6	41.492101000	-71.376548000	2 poor	5 Pleasant View Ave
maple red	30	41.491851000	-71.374794000	2 poor	66 Columbia Ave
maple Norway	19	41.494172000	-71.374309000	2 poor	21 Columbia Ave
eastern redcedar	3.8	41.489592000	-71.375875000	2 poor	89 Clarke St
maple Norway	4.7	41.489481253	-71.375980528	2 poor	102 Clarke St
eastern redcedar	11.4	41.489114000	-71.374890000	2 poor	102 Hamilton Ave,
eastern redcedar	10.8	41.489095000	-71.374869000	2 poor	102 Hamilton Ave
cherry black	5.7	41.487424000	-71.396320000	2 poor	Jamestown
cherry black	20	41.487438000	-71.395904000	2 poor	Jamestown
cherry black	7	41.487409000	-71.394504000	2 poor	1003 Fort Getty Rd,
maple red	2	41.487344000	-71.392594000	2 poor	1003 Fort Getty Rd
cherry black	7.3	41.487426000	-71.391920000	2 poor	Ft Getty Rd north side

Table 1 continued

maple Norway	14	41.487378000	-71.390741000	2 poor	Ft Getty Rd north side
maple Norway	11	41.487198000	-71.388642000	2 poor	Ft Getty Rd south side
zelkova	11	41.496216000	-71.369848000	2 poor	Narragansett Ave south side
zelkova	10	41.496277000	-71.369717000	2 poor	Narragansett Ave south side
zelkova	12	41.496435000	-71.368995000	2 poor	24 Narragansett Ave north side
zelkova	20	41.496333000	-71.369193000	2 poor	28 Narragansett Ave north side



Table 2: Distribution of trees in the Jamestown, RI inventory

Tree name	# of trees	% of total
maple red	79	18
maple Norway	62	14
eastern redcedar	42	9
zelkova	34	8
cherry black	26	6
maple sugar	15	3
American sycamore	14	3
linden species	14	3
dogwood kousa	12	3
pear Callery	9	2
cherry Japanese flowering	8	2
maple silver	8	2
Apple common	7	2
arborvitae species	7	2
Unknown	6	1
oak pin	5	1
spruce Norway	5	1
beech American	4	1
crabapple species	4	1
dogwood flowering	4	1
Katsuratree	4	1
maple Japanese	4	1
oak laurel	4	1
magnolia saucer	3	1
magnolia species	3	1
oak English	3	1
beech European	2	<1
cedar Japanese	2	<1
cherry species	2	<1
elm American	2	<1
elm lacebark	2	<1
ginkgo	2	<1
hawthorn Washington	2	<1
holly American	2	<1
honeylocust thornless	2	<1
London planetree	2	<1
magnolia star	2	<1

Table 2: continued

oak black	2	<1
spruce blue	2	<1
spruce species	2	<1
tree lilac Japanese	2	<1
tuliptree	2	<1
tupelo	2	<1
ash white	1	<1
birch grey	1	<1
birch species	1	<1
black locust	1	<1
cedar species	1	<1
dawn redwood	1	<1
dogwood species	1	<1
Douglas-fir	1	<1
eastern redbud	1	<1
fir balsam	1	<1
holly species	1	<1
hornbeam American	1	<1
hornbeam European	1	<1
horsechestnut	1	<1
juniper common	1	<1
magnolia sweetbay	1	<1
maple paperbark	1	<1
maple species	1	<1
oak northern red	1	<1
oak scarlet	1	<1
oak white	1	<1
Pagodatree Japanese	1	<1
pine species	1	<1
sassafras	1	<1
sourwood	1	<1
spruce white	1	<1
stewartia Japanese	1	<1
walnut black	1	<1
willow pussy	1	<1
willow species	1	<1
Yew canada	1	<1

# GRANT AGREEMENT

*between the*

Rhode Island Department of Environmental Management  
Division of Forest Environment  
235 Promenade Street  
Providence, Rhode Island 02908

*and*

Town of Jamestown  
93 Narragansett Ave  
Jamestown, Rhode Island 02835

*In the Amount of:*

**\$3,000.00**

*Urban & Community Forestry Grant 20-DG-182*

*For the Period of:*

May 1, 2021 – August 31, 2022

*For the Purpose of*

Conducting a Public Tree Inventory Program in Jamestown



State Of Rhode Island  
 Department of Administration  
 Division of Purchases  
 One Capitol Hill  
 Providence, RI 02908-5860

Standard Purchase Order  
 3727949, 0

V E N D O R	TOWN OF JAMESTOWN 93 NARRAGANSETT AVE JAMESTOWN, RI 02835-1149 United States
----------------------------	---

Purchase Order Number	<b>3727949</b>
Revision Number	<b>0</b>
Reference Contract Number	
PO Date	<b>25-JUN-2021</b>
Approved PO Date	<b>25-JUN-2021</b>
Buyer	- - <b>Grants, *</b>

S H I P  T O	DEM-DIVISION OF FOREST ENVIRONMENT 235 PROMENADE STREET, SUITE 394 PROVIDENCE, RI 02908 United States
--------------------------------	--

Type of Requisition	<b>GRANTS</b>
Requisition Number	<b>1709412</b>
Change Order Requisition Number	
Solicitation Number	
Freight	<b>Paid</b>
Payment Terms	<b>NET 30</b>
Vendor Number	<b>2680</b>
Requester Name	<b>Aiello, Debra A</b>
Work Telephone	<b>401-222-2445</b>

This Purchase Order is issued pursuant to and in accordance with the terms and conditions of the solicitation and applicable federal, state, and local law, including the State of Rhode Island's General Conditions of Purchase which are incorporated herein by reference contain specific contract terms applicable to this Purchase Order. See: <https://rules.sos.ri.gov/regulations/part/220-30-00-13>

Reference Documents: 1709412 GR Agreement.pdf

**PO DESCRIPTION: COOP AGREEMENT BETWEEN DEM FORESTRY AND TOWN OF JAMESTOWN - PROMOTING URBAN CARE MANAGEMENT**

Line	Code	Description	Quantity	Unit	Unit Price (USD)	Amount (USD)
1		DA FY21 COOPERATIVE AGREEMENT BETWEEN DEM FORESTRY AND TOWN OF JAMESTOWN FOR THE PURPOSE OF PROMOTING URBAN CARE MANAGEMENT	3000	Each	1	3,000.00
<b>Total: 3,000.00 (USD)</b>						

**INVOICE TO**

**IMMEDIATE VENDOR ACTION REQUIRED:**  
 Paperless Invoicing is now required. Vendors who do not currently invoice electronically must comply. Get Instructions at :  
[http://controller.admin.ri.gov/documents/Communications/Vendor%20Information/Paperless%20Invoicing%20Initiative\\_09-01-2020.pdf](http://controller.admin.ri.gov/documents/Communications/Vendor%20Information/Paperless%20Invoicing%20Initiative_09-01-2020.pdf)

**REGISTRATION REQUIREMENTS**

**IMMEDIATE VENDOR ACTION REQUIRED:**  
 ALL vendors with an existing Purchase Order must be registered in OCEAN STATE PROCURES(OSP). Get Instructions at :  
<https://www.ridop.ri.gov/osp/osp-vendor-registration.php>

**STATE PURCHASING AGENT**

*Nancy R. McIntyre*  
 Nancy R. McIntyre



