

# TREE ASSESSMENT AND INVENTORY UPDATE

**Jan. 30, 2023**

**Dan Mirabile**

**Matthew Anderson**


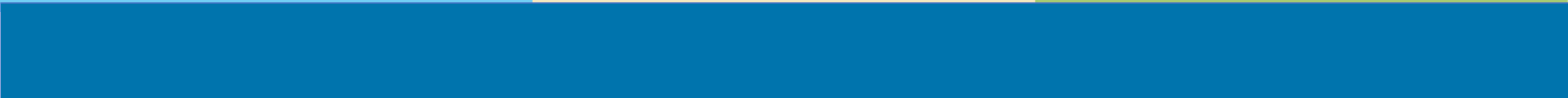


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# TIMELINE

- **Sept. 14, 2020** - Presentation at Work Session
  - **Sept. 17, 2020** - City entered into an agreement with E-Sciences to assess and inventory trees in the right-of-way
  - **Oct. 2020** - E-Sciences started the assessment and inventory
  - **May 6, 2021** – City entered into an agreement with O’Neil’s Tree Service for tree and stump removal for one year, with four one-year extension options
  - **Sept. 2021** – Began removing trees in Zone 1 (rated in category zero)
  - **May 2022** - The removal contract was extended for one year
  - **Oct. 2022** - Public Works took over managing the program
  - **Jan. 17, 2023** - Program temporarily halted
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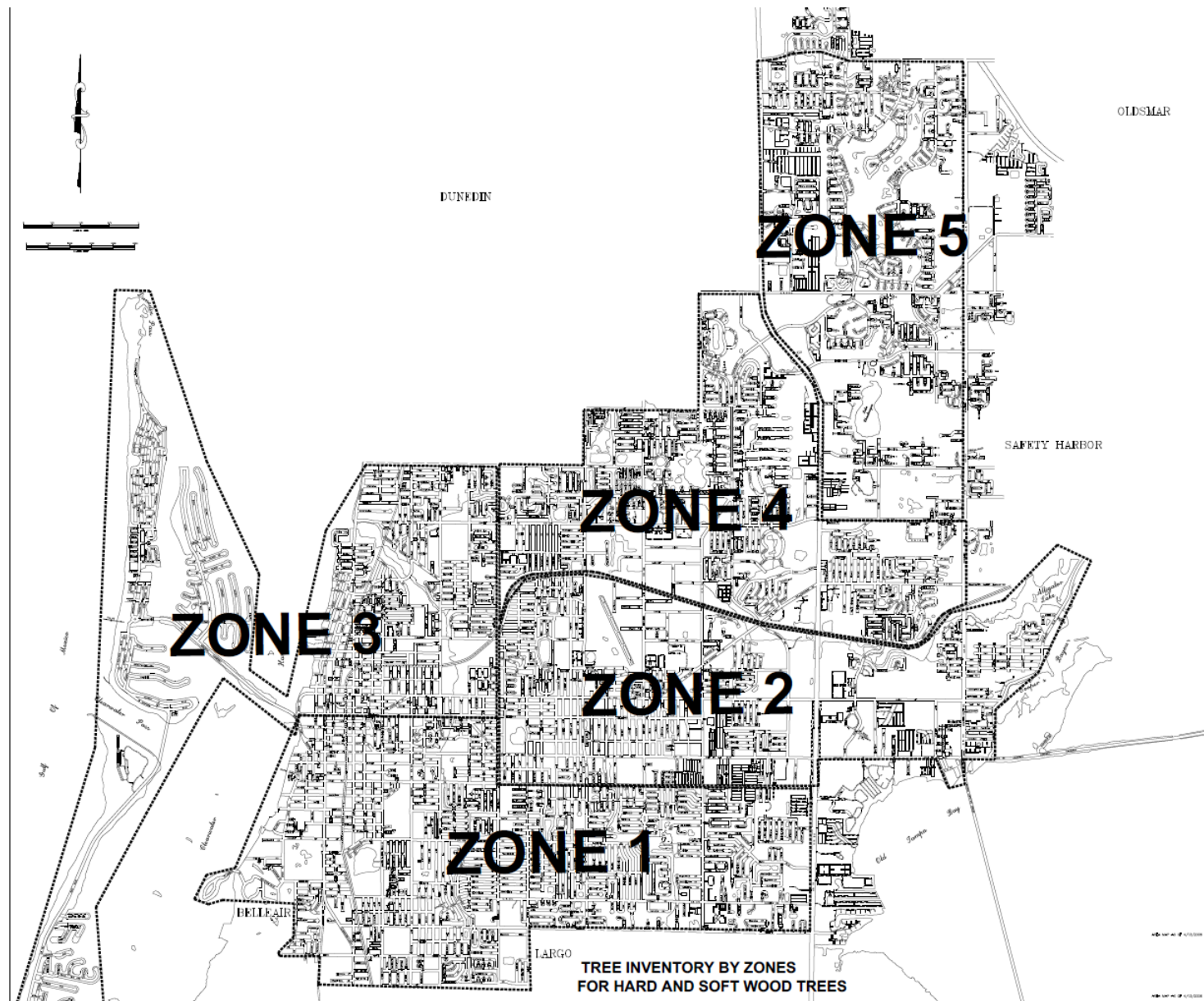
# INVENTORY FORMAT

- Divided the city into five, even-sized geographical zones with approximately 4,000 trees per zone
- Consultant is conducting an inventory on one zone per year
- IT developed a database for compiling the inventory information
- Each inventoried tree will have a blue tag
- Tag information can be looked up on our website [MyClearwater.com/Trees](http://MyClearwater.com/Trees)



# PROPOSED INVENTORY MAP


Zones 1-5  
Inventory  
started at  
Zone 1,  
working to  
Zone 5





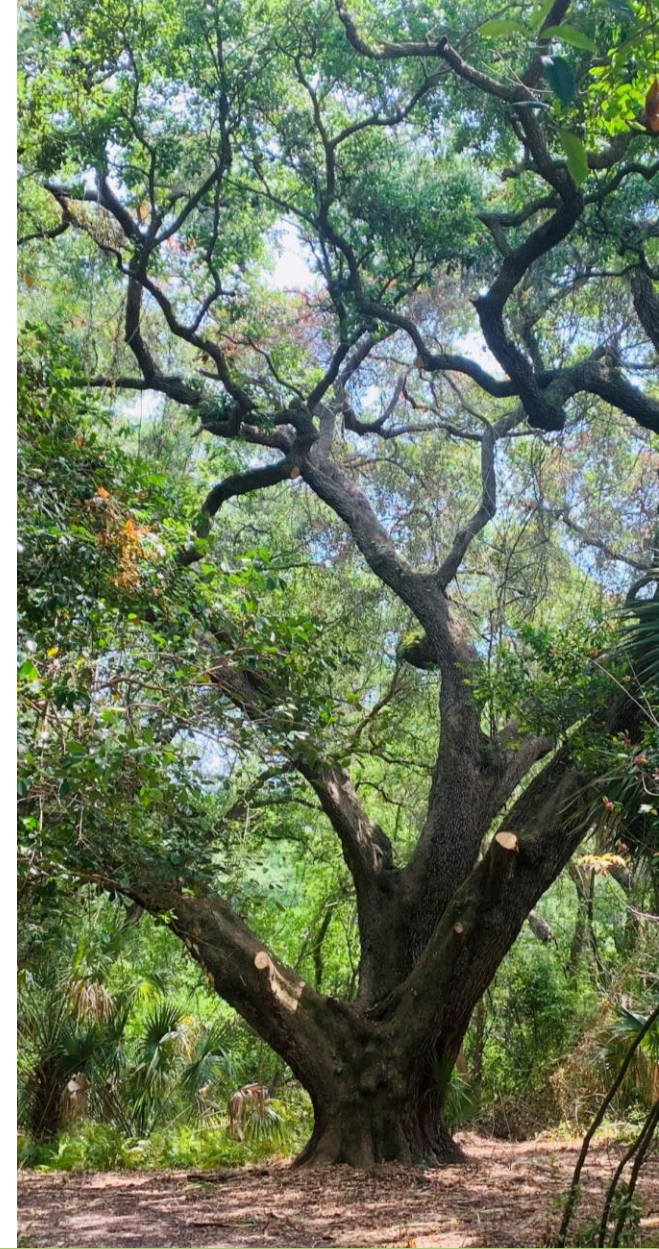


# SCOPE OF TREE ASSESSMENT AND INVENTORY

- Only assessing trees in the city right-of-way
  - Approximately 20,000 trees are in the city right-of-way
  - Breaking the city into five zones allows each zone to be inventoried every sixth year keeping the inventory valid with the data needed to make removal decisions
  - Doing an inventory of approximately 4,000 trees per zone allows the tree removal contract to be effective in removing potentially hazardous or invasive trees identified by the inventory
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# MAKING THE INVENTORY FORMAT MORE USER FRIENDLY

- Step 1 - Species of tree, diameter at breast height (DBH), condition rating 0-6 and an identification code is posted on each tree that is inventoried
- Step 2 - If rating is below a 3.0, tree may be subject to removal. Any additional comments such as overhead wires or wildlife present is added after this step is completed.





# ZONE 1 NUMBERS

	Rating of “0”	Rating of “1”
<b>Total Trees Rated</b>	14 trees	399 trees
<b>9/21-10/22</b>	9 trees	171 trees
<b>10/22-Present</b>	5 trees	77 trees





# OBSERVATIONS

- Lack of maintenance due to understaffing, contract, and project management.
- Not enough detail being provided by E-Sciences.
- Insufficient public outreach.
- Resident notification needs to be improved.
- We need a right-of-way tree planting program (a 2023 Public Works department goal).



# RECOMMENDATIONS

- Going forward, require E-Sciences to provide additional information for Zones 3, 4, and 5.
- Issue a bid for tree pruning/maintenance to assist our crew.
- Have all the trees rated “1” in Zones 1 and 2 re-evaluated to include additional detail.
- Develop a right-of-way tree planting program.
- Pause the program, with exception of trees that present an imminent threat, until we have an acceptable program.
- Put trees back in Zone 1 once we have a viable planting program.





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