



**PHIL GRAF, URBAN FORESTRY CONSULTANT
ISA CERTIFIED MUNICIPAL ARBORIST #IL 1553-AM**



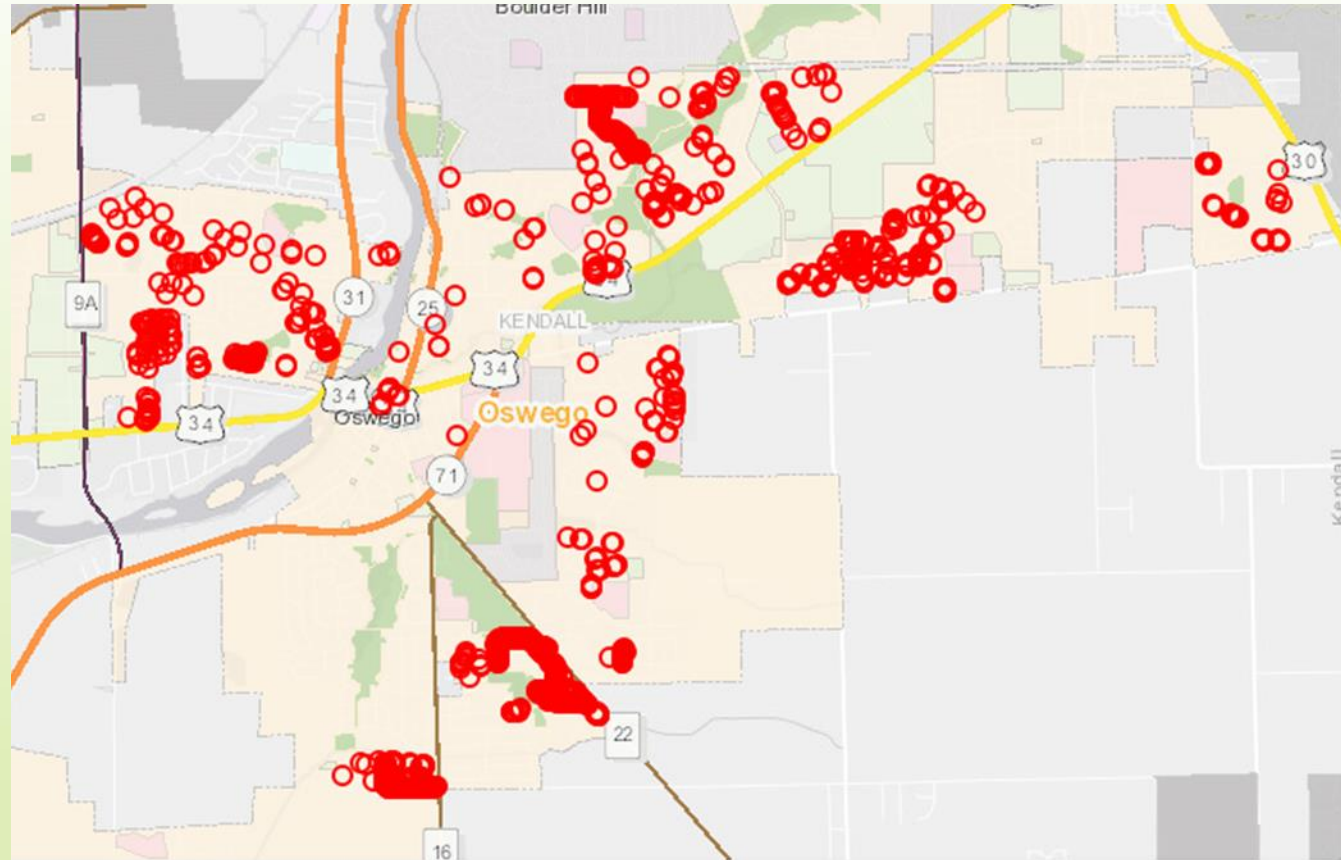
CALLERY PEAR TREE SURVEY

OCTOBER 2021



PEAR TREE DISTRIBUTION MAP

According to past tree inventory data, we estimate that there are approximately 1,600 Callery Pear trees currently on the parkways in Oswego.



GENERAL OBSERVATIONS ON TREE CONDITION

- Fire Blight
- Monoculture plantings and low diversity
- Poor structure and branch architecture
- Tree age
- Invasive nature of the species

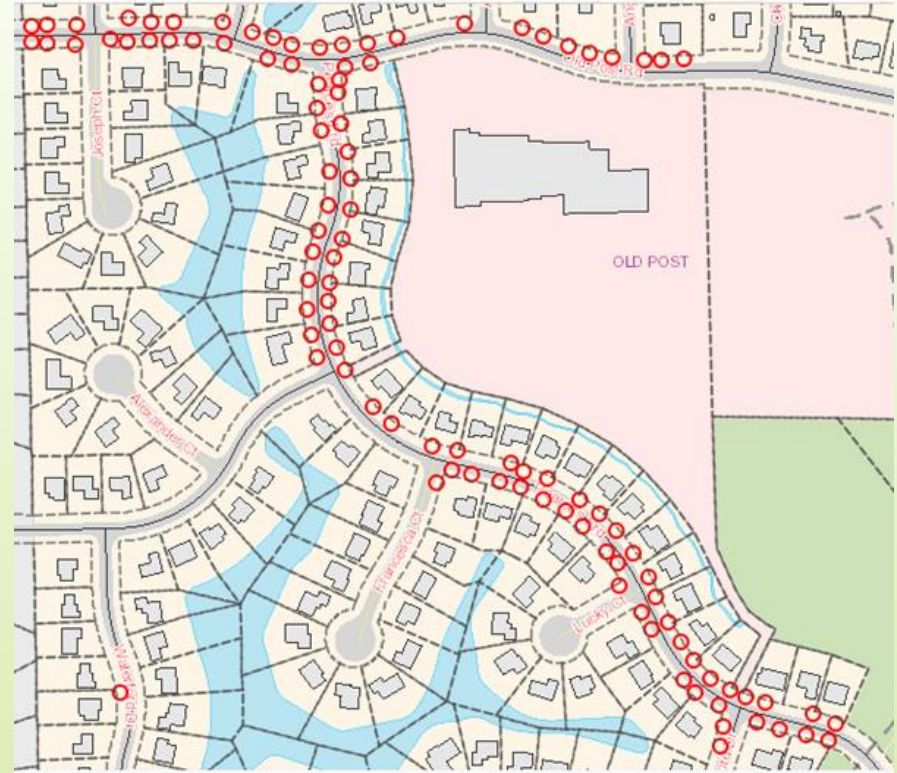
FIRE BLIGHT

Internal bacterial disease of the vascular system. Preventative treatments are somewhat effective, but there are no curative treatments.



MONOCULTURE PLANTINGS

The issues with the Callery Pear tree population is as much a problem of low diversity as it is with the Fire Blight pathogen



POOR BRANCH ARCHITECTURE AND STRUCTURE

- Weak branch unions
- Included bark
- Leaning Trunks
- Unbalanced crowns
- Lack of a central leader



TREE AGE

- Estimated 12” DBH average
- 20 years and older
- Average lifespan of 30-35 years



INVASIVE SPECIES

- Escaped cultivation
- 152 Counties in 25 states
- Unmanaged areas are rapidly becoming a large-scale problem



RECOMMENDATIONS AND FUTURE CONSIDERATIONS

- Update tree inventory
- Begin a strategic and measured tree removal program
- Begin a strategic and measured reforestation program

