

Emerald Ash Borer Preparedness and Response Planning

Presentation to Lincoln/Lancaster County Planning Commission
December 2, 2015



David Cappaert
USDA Forest Service, Bugwood.org

UGA2106098

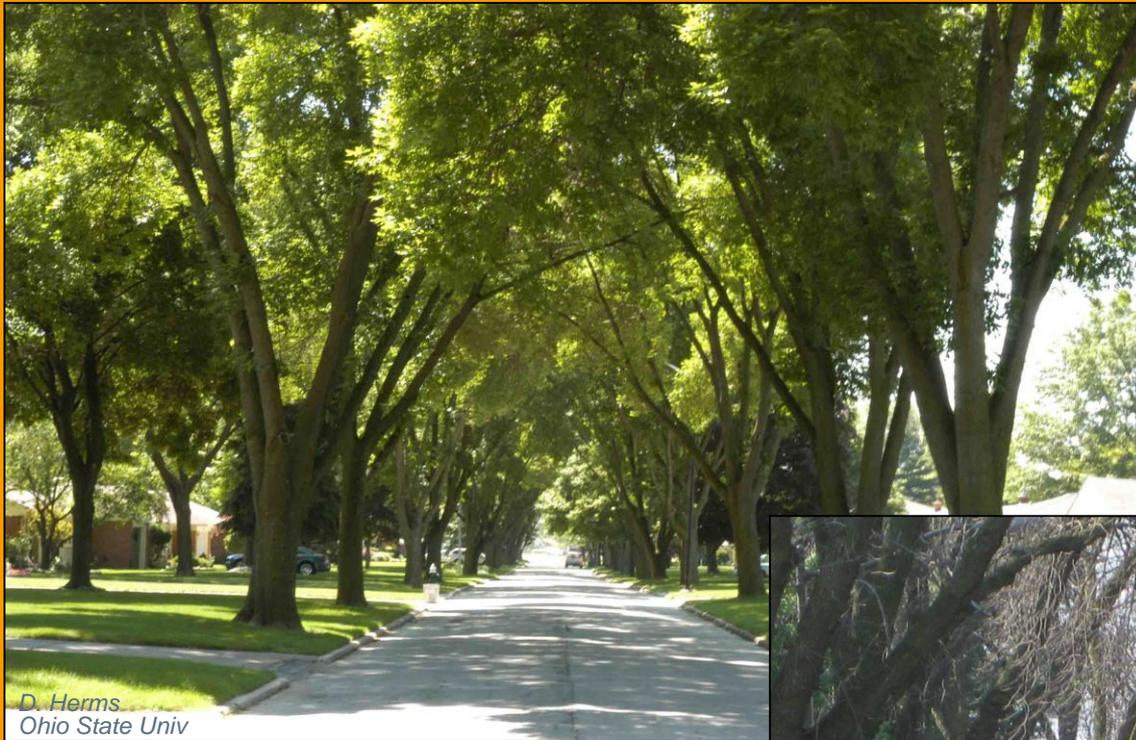


David Cappaert
USDA Forest Service, Bugwood.org

UGA1460071



Emerald Tree Care
LLC



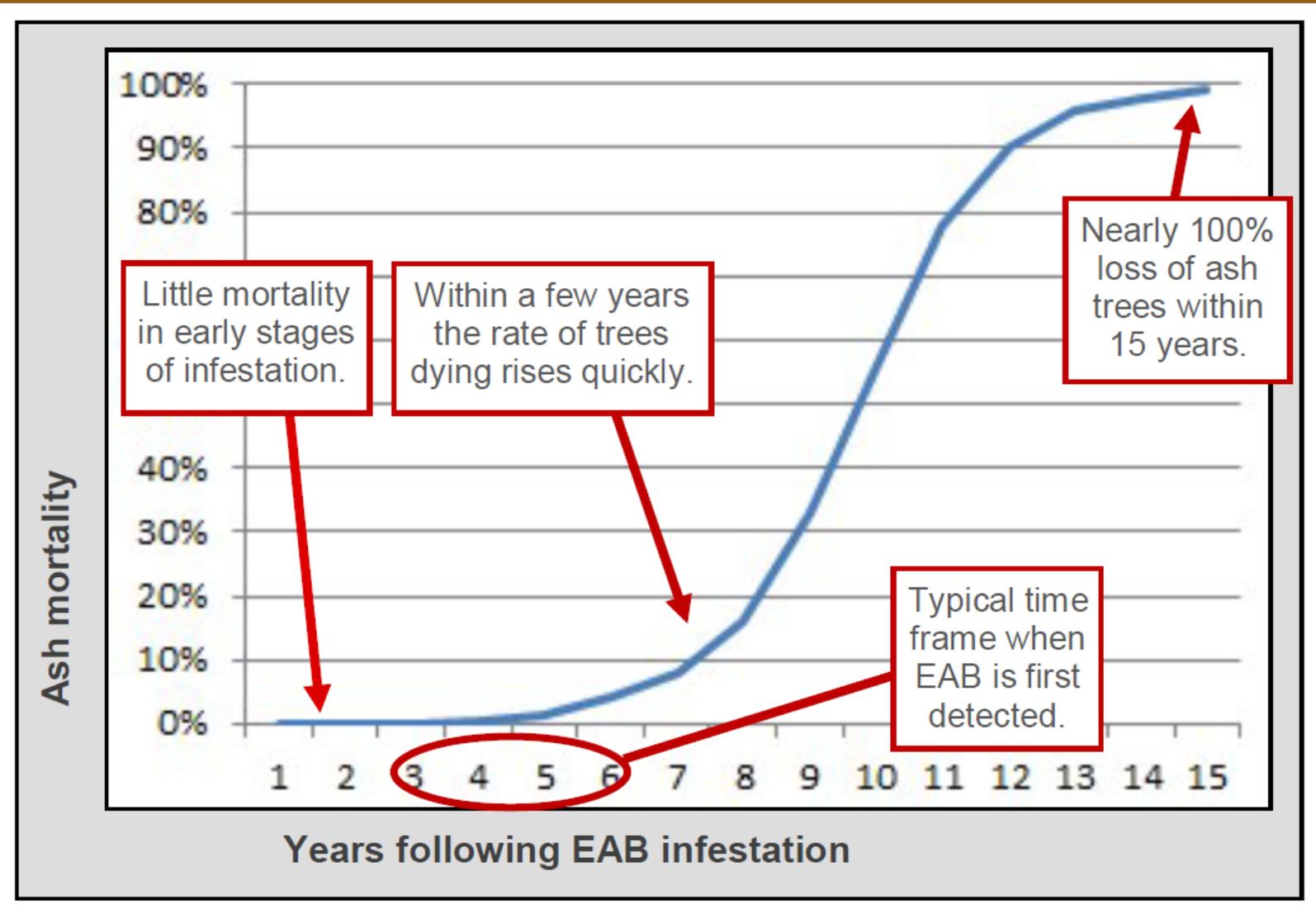
Nearly all public and private ash trees in Lincoln will die during a 15-year period.

Ash-lined street

3 years later



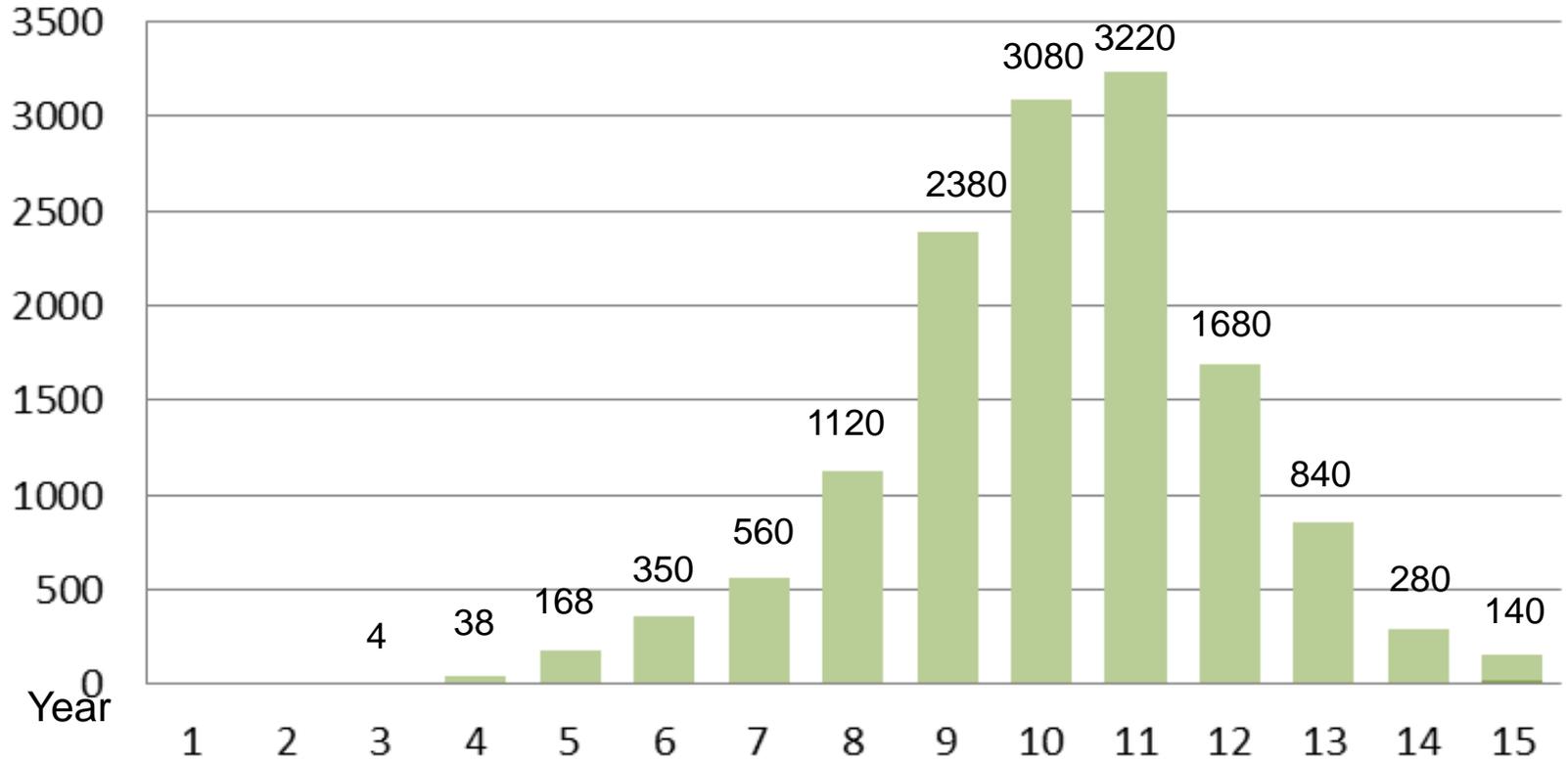
EAB Death Curve



Lincoln

Public Ash Tree Population: 14,000

dead ash trees by year



Total ash population in the Lincoln area is likely over 40,000

Lincoln's Community Forestry Program

STAFFING

14 Arborists

1.5 seasonal FTE's

1 Community Operations Forester

FUNDING

FY2015-16 Operating Budget: \$1.35 million

FY 2015-16 CIP \$20,000

2forTrees program donations about \$60,000 annually

Grants

WORK in FY 2013-14 94,191 street trees

855 street trees removed

6,038 street trees trimmed (equivalent to about a 15.6 year pruning cycle)

2,739 requests for service

61 street trees planted by City contract

325 street trees planted through street tree vouchers

1,818 street trees accepted by surety release in new developments

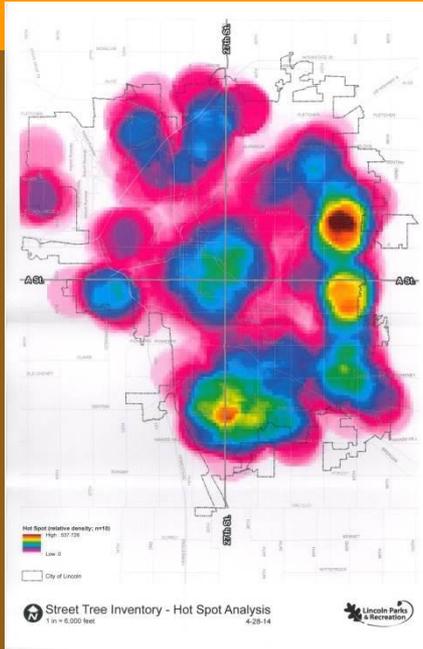
EAB Preparedness and Response Planning



- ✓ *Remove ash from planting lists for street trees and parks.*

- ✓ *Plant new and replacement street trees.*
 - *Annual budget funding*
 - *2 for Trees utility billing donation program*
 - *Street tree vouchers*
 - *Grants*

EAB Preparedness and Response Planning



- ✓ *Inventory publicly owned ash trees also streets and in parks. We have about 14,000 publicly owned and managed ash trees in Lincoln.*



- ❑ *Record the locations of publicly owned ash trees along streets and in parks and other public areas.*

EAB Preparedness and Response Planning



- ✓ ***Selective and pre-emptive removal of ash trees that are declining, damaged, diseased or poorly located (e.g., under power lines)***

EAB Preparedness and Response Planning



- *Plan EAB response program and identify costs.*
 - Removal
 - Treatment
 - short term during removal period
 - long term for high value trees
 - “adopt an ash” program
 - Wood waste management and repurposing plan
 - Replanting
 - Public education and community engagement

EAB Preparedness and Response Planning



- *Plan EAB response program and identify costs.*
 - Public education and community engagement
 - EAB awareness in coordination with NFS and Cooperative Extension
 - No need to treat trees until EAB is identified within 15 miles of Lincoln
 - Possible adopt a public ash tree program, treatment coordinated by LPR
 - Hazardous tree notification for trees on private property – funding assistance to low income residents?

EAB Preparedness and Response Planning

Proposed EAB Response Plan for Lincoln

- ❑ *Treat a declining number of ash to allow managed removal of trees.*
- ❑ *Remove 1,000 ash trees per year.*
- ❑ *Plant 1,000 replacement trees per year.*

Staffing

Four arborists
Community Outreach Forester
GIS technician

Projected Cost

About \$29.1 million over 15 year period*

* does not include wood repurposing and/or disposal costs.

Treatment
+
Removal
+
Replanting

EAB Preparedness and Response Planning



□ *Explore funding options.*

- General obligation bond issue
- Local option sales tax
- Street tree improvement districts

- Nebraska Tree Recovery Program

- Funding to assist low-income property owners with cost of removal of trees on private property.

EAB Preparedness and Response Planning

EAB: IMPACTS and OPPORTUNITIES



Questions and Discussion