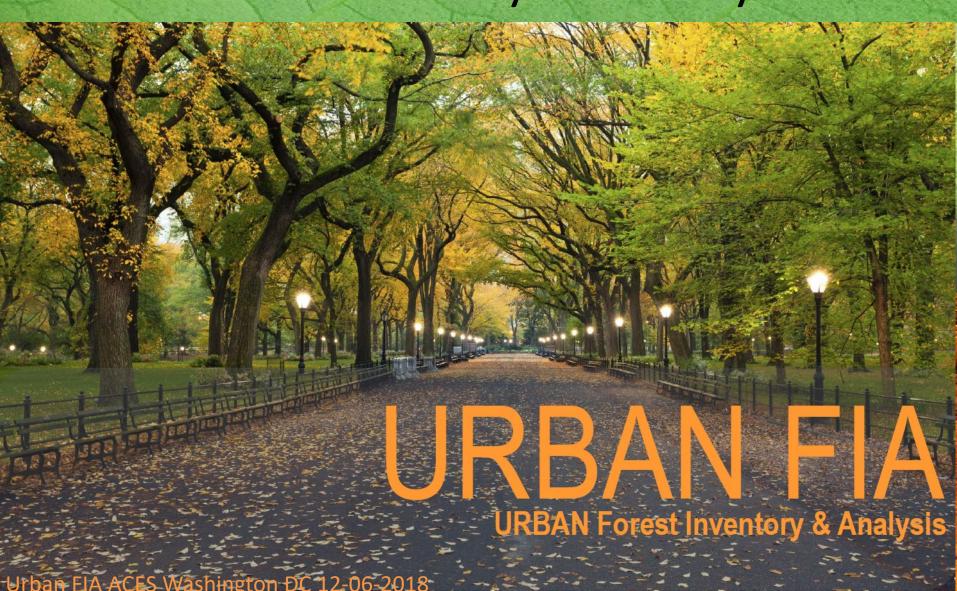


US Forest Service Forest Inventory and Analysis



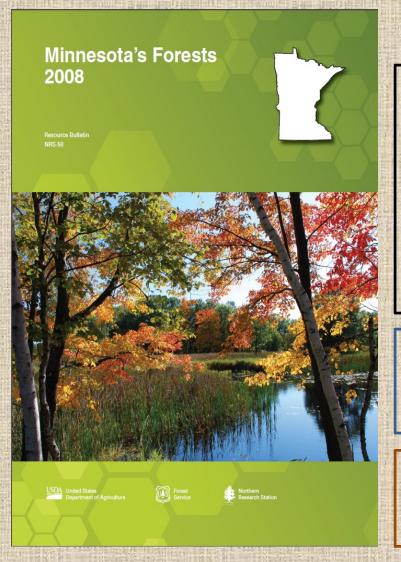
Its All About the



The Power of a Story



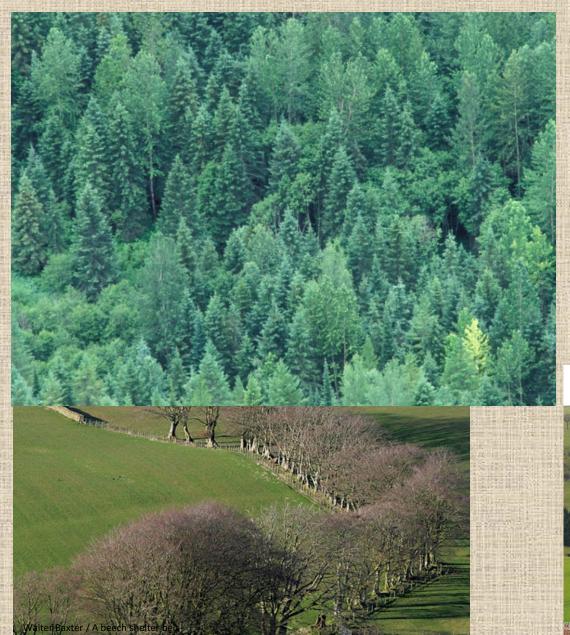
Forest Inventory and Analysis (FIA): Mission



FIA reports on status and trends in:

- Forest area and location
- Species, size, and health of trees
- Total tree growth, mortality, and removals by harvest
- Wood production and utilization rates by various products
- Social Views Regarding Urban Greenspace Owners (Survey)

Some Trees Fell Through the Gaps







Why FIA and Urban?



- 34% of the MN is forested
- 12 billion trees on MN forest land
- Aspen is most Numerous type
- 1.1 billion Ash trees > 1" DBH
- Make up 8% of all MN trees

- How is our urban Ash resource?
- What is its distribution?
- How is it changing?

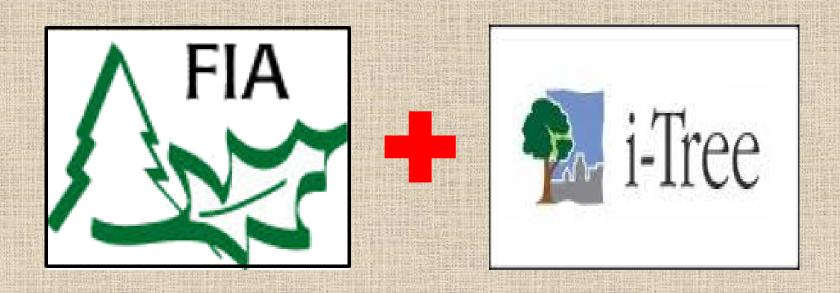
A Tree is a Tree







The Power of a Story - FIA teams with i-Tree



The Nation's Urban Forest Census

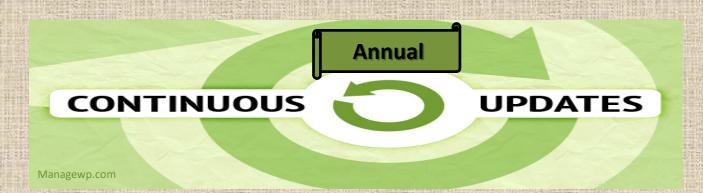


Urban Forest Inventory & Analysis (UFIA)

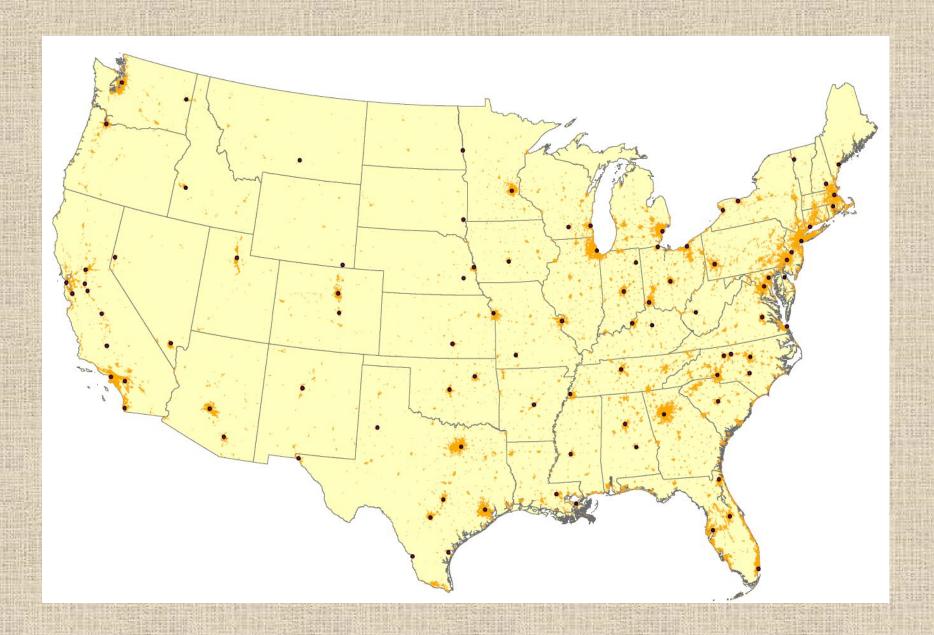
Strategic level long-term monitoring system

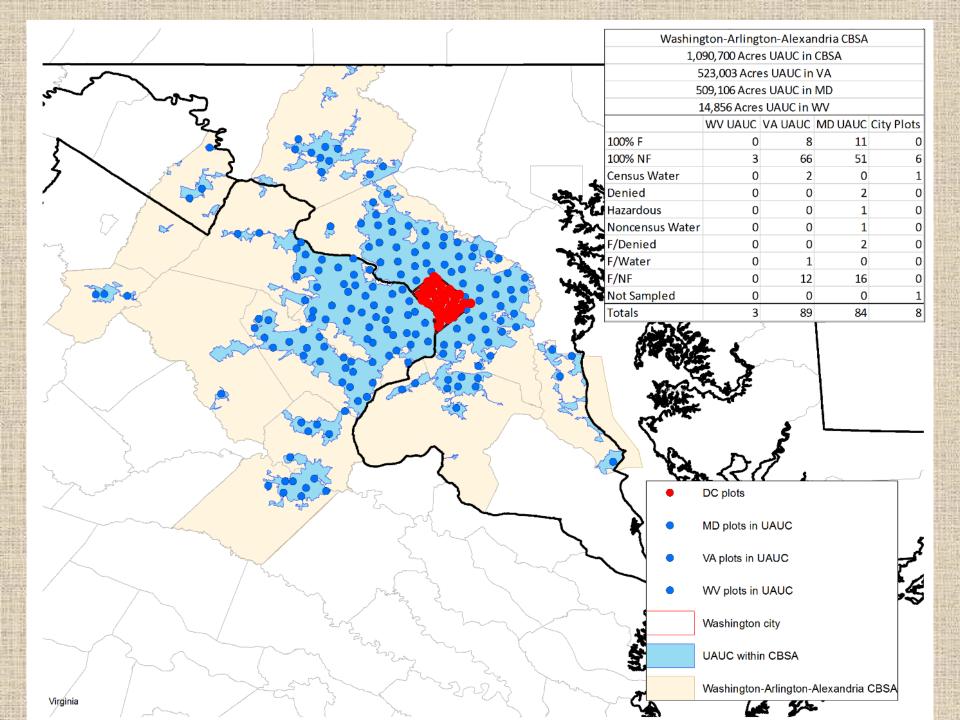
- Functions across rural and urban ecosystems
- Operational on public and private lands
- Annualized data collection



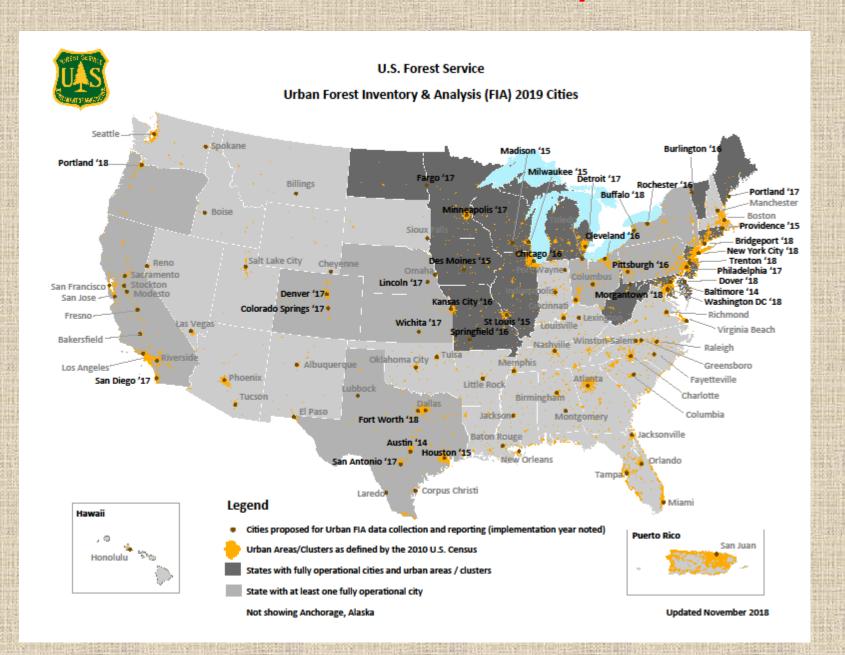


UFIA: Sample 68 Million Acres & 100 Cities





UFIA 2019: 35 Cities - 24 States w/ 15 Statewide



Communicating the Story



Communicating the Story



National in Scope, Local in Relevance

Rebekah Zehnder, Texas A&M Forest Service / FS Forest Inventory & Analysis

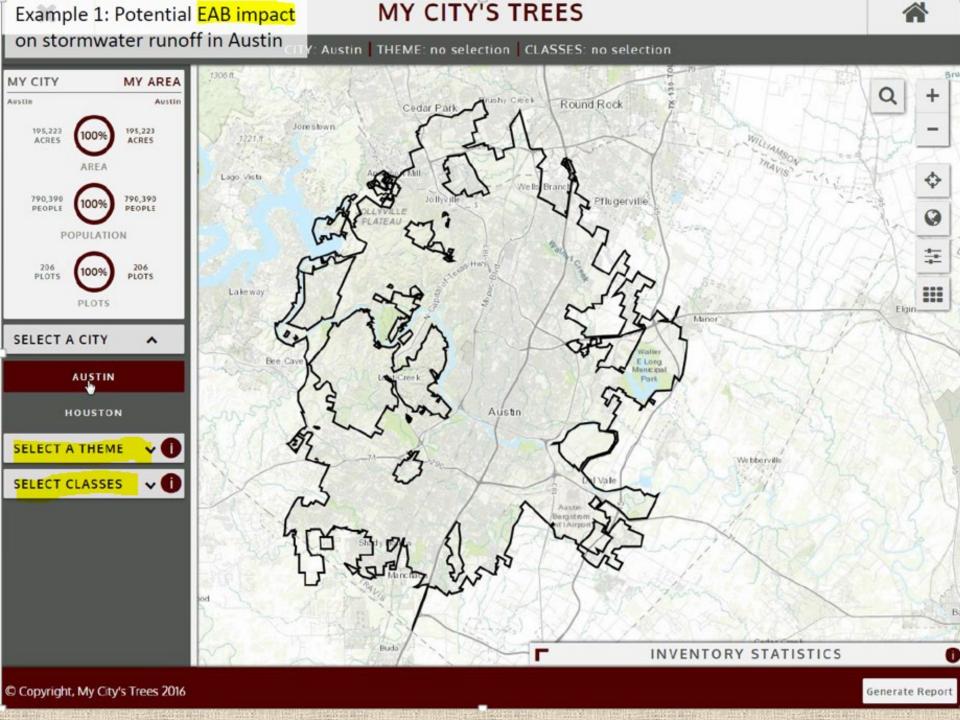




MY CITY'S TREES



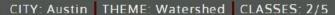


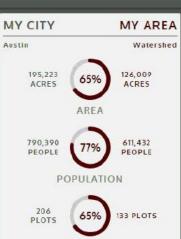


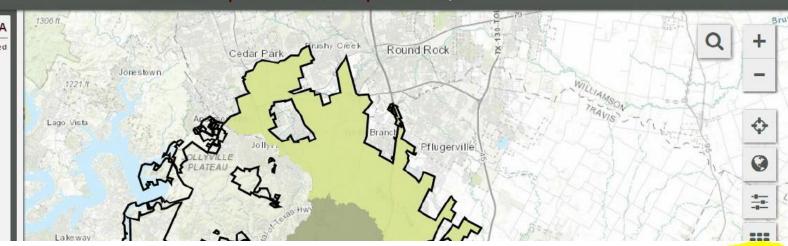


MY CITY'S TREES









INVENTORY STATISTICS



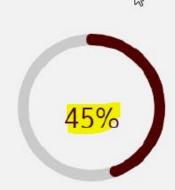


RUNOFF

T POLLUTION **HEALTH**

Reduction in surface water runoff

SPECIES	MILLION CUBIC FEET PER YEAR	PERCENT	CUBIC FEET PER YEAR PER PERSON	
cedar elm	6.2	21%	10.1	
live oak	4.2	15%	6.9	
sugarberry	3.9	13%	6.3	
51 more	14.8	51%	24.2	
All	29.1	100%	47.6	



MY CITY: 65.0 MILLION CUBIC FEET PER YEAR

MY AREA: 29.1 MILLION CUBIC FEET PER YEAR

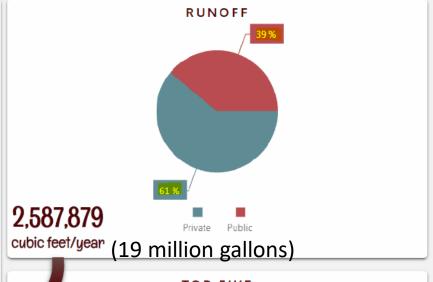
Ash species account for 8.9% of the total runoff avoided in the area.

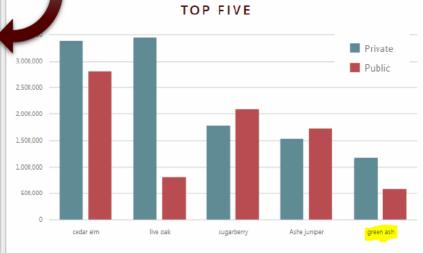
SPECIES BY OWNERSHIP

Close to a quarter of the ash runoff reduction is on public land.

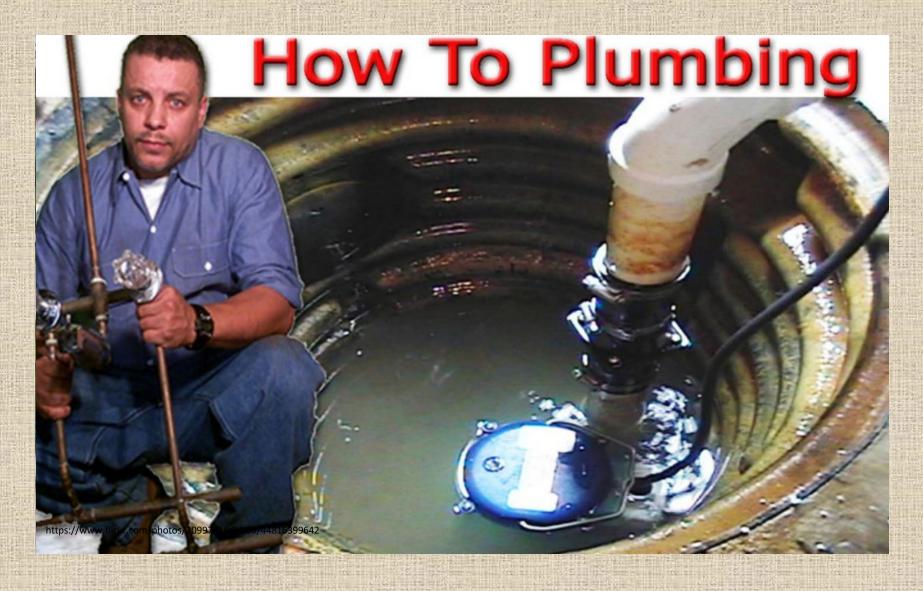
	RUNOFF (CUBIC FEET PER YEAR)								
	Species	↑ ScientIffic Name	Private	Public	Total				
1	sweet acacia	Acacia farnesiana	12,226	0	12,226				
2	boxelder	Acer negundo	143,492	864,898	1,008,390				
3	mimosa, silktree	Albizia julibrissin	41,720	0	41,720				
4	river birch	Betula nigra	0	70,274	70,274				
5	pecan	Carya illinoinensis	912,563	314,019	1,226,582				
6	sugarberry	Celtis laevigata	1,779,034	2,094,464	3,873,498				
7	hackberry	Celtis occidentalis	288,253	151,297	439,550				
8	eastern redbud	Cercis canadensis	15,104	0	15,104				
9	roughleaf dogwood	Cornus drummondii	0	8,610	8,610				
10	Texas persimmon	Diospyros texana	122,564	141,402	263,966				
11	loquat	Eriobotrya japonica	230,474	0	230,474				
12	edible fig	Ficus carica	82,427	0	82,427				
13	Berlandier ash	Fraxinus berlandieri	439,037	0	439,037				
14	green ash	Fraxinus pennsylva	1,171,594	584,574	1,756,168				
15	Texas ash	Fraxinus texensis	123,927	0	123,927				
16	velvet ash	Fraxinus velutina	268,747	0	268,747				
17	black walnut	Juglans nigra	0	169,473	169,473				
18	Ashe juniper	Juniperus ashei	1,521,371	1,724,535	3,245,906				
19	eastern redcedar	Juniperus virginiana	11,275	41,997	53,272				
20	goldenrain tree	Koelreuteria panicu	11,985	0	11,985				
21	crapemyrtle	Lagerstroemia indica	141,399	0	141,399				
22	Japanese privet	Ligustrum japonicum	105,275	0	105,275				
23	alossy privet	Liaustrum lucidum	186 064	n	186 064				
			17,690,167	11,385,545	29,075,712				

0





Who is the Story For?





Austin's Urban Forest 2014

http://www.nrs.fs.fed.us/pubs/50393

Table 17.—Potential risk to trees by insect or disease, Austin, 2014

Code	Scientific name	Common name	Trees at risk	As proportion of all trees	Compensatory value
			number	percent	\$ millions
ALB	Anoplophora glabripennis	Asian longhorned beetle	6,214,000	19.1	2,121
DED	Ophiostoma novo-ulmi	Dutch elm disease	4,804,000	14.8	1,583
GM	Lymantria dispar	gypsy moth	4,170,000	12.8	4,530
OW	Ceratocystis fagacearum	oak wilt	4,032,000	12.4	4,521
EAB	Agrilus planipennis	emerald ash borer	1,434,000	4.4	546
TCD	Pityophthorus juglandis & Geosmithia spp.	thousand canker disease	105,000	0.3	50
DA	Discula destructive	dogwood anthracnose	60,000	0.2	<1
LAT	Choristoneura conflictana	large aspen tortrix	60,000	0.2	4

For general information regarding UFIA:

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651-261-0053

Urban FIA Field Guide & General Information:

http://www.nrs.fs.fed.us/fia/urban/

We are always looking for "willing and able" partners & cooperators. If you are interested in getting your "Focus City" involved please contact your regional FIA Program Manager:

For more information on Urban FIA

Visit the Urban FIA national web site at http:// www.fs.fed.us/urban_FIA or contact one of the offices below:

Washington, DC 703-605-4177

North St. Paul, MN 651–649–5139

South Knoxville, TN 865–862–2000 Interior West Ogden, UT 801–625–5407

Pacific West Portland, OR 503–808–2034 North:

Dennis May

South:

Bill Burkman

Pacific West:

Sharon Stanton

Interior West:

Michael Wilson