





UM Nichols Arboretum Harvard bioinfiltration

Master Rain Gardener class







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Washtenaw County Michigan Water Resources Commissioner's Office



Agenda

- 1. Icebreaker: Who has seen the rain garden sign?
- 2. Program Objective
- 3. Results
- 4. Is this equitable?
- 5. What stops people?
- 6. Program elements
- 7. Parade of pretty gardens
- 8. Your suggestions & comments



Introduction:

Program Goal

 Make vegetative infiltration the norm for landscaping practices in Washtenaw County



Introduction:

More specifically . . .

• Get Rain Gardens Built

MS4 water quality permit compliance in:

- 1. Public Education & Outreach
- 2. Post-Construction Runoff Control implementation

Ann Arbor has an ordinance requiring rain gardens on new construction. But my program focuses on voluntary action.

Introduction:

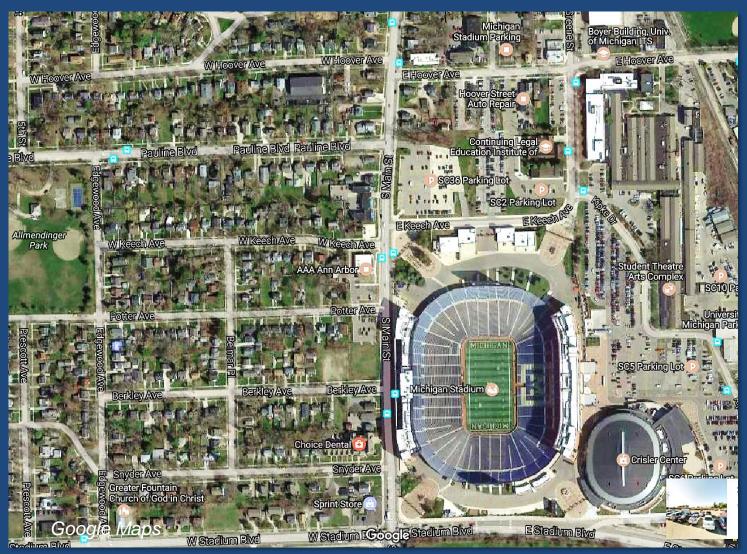
Erin said you are interested in...

- Biodiversity
- Water Quality

That is baked into everything we do.



Where will we put Green Infrastructure?: Retrofits





Benefits: Rain gardens get built!



Benefits: Rain gardens get built!



Regional: Communities Trained to offer MRG classes



- Detroit Metro Area Huron, Raisin, Clinton & Rouge River Watershed Counci Is, Oakland Co., & Washtenaw Co Water Resources
- Cleveland Metroparks,
 Cuyahoga, Lake, Summit SWCD &
 Chagrin Watershed Partners, Regional
 Sewer District, NEOPIPE & Ohio EPA
- Columbus swcd
- Cincinnati SWCD in Ohio, Kentucky, Indiana. Hamilton, Butler, Warren, and Clermont Counties in Ohio, and Boone, Kenton, and Campbell Counties in Northern Kentucky. The OKI Regional Council of Governments & Metropolitan Sewerage District.
- City of Toledo Rain Garden Initiative Partnership
- Saginaw Chippewa Tribe Mt Pleasant, MI
- Kalamazoo River Watershed Council
 & Nature Center
- Canada Green Communities





Introduction: This is a rain garden





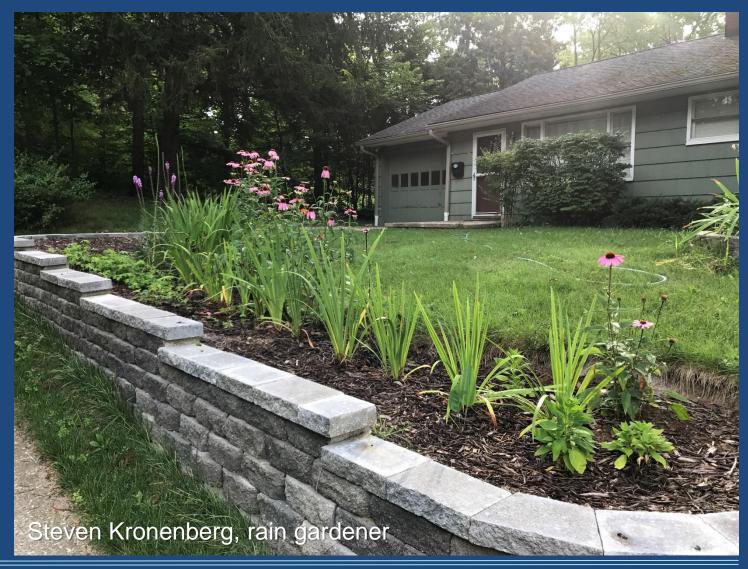
Introduction: Identifying Barriers



Photo credit: Steven Kronenberg. Some of the labor he recruited to build his rain garden.











































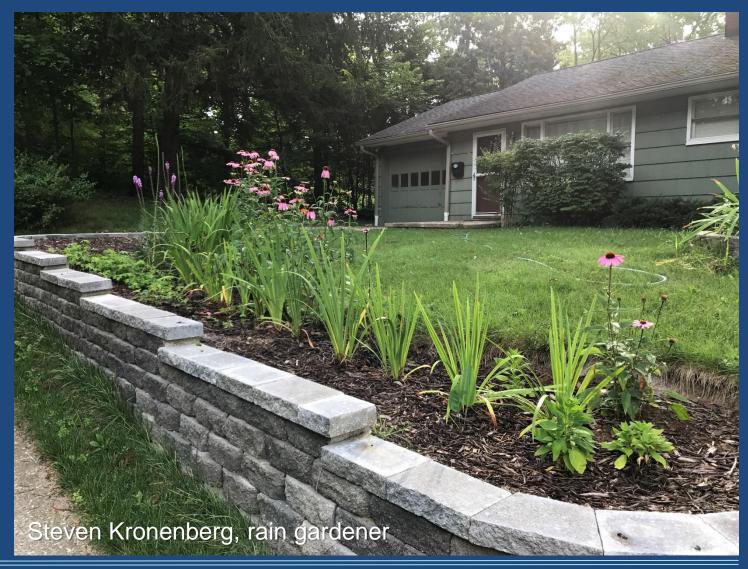














Benefits: Rain gardens get built!

We count rain gardens. Not:

- Attendance at workshop
- Pledges
- Clicks
- Likes
- Views

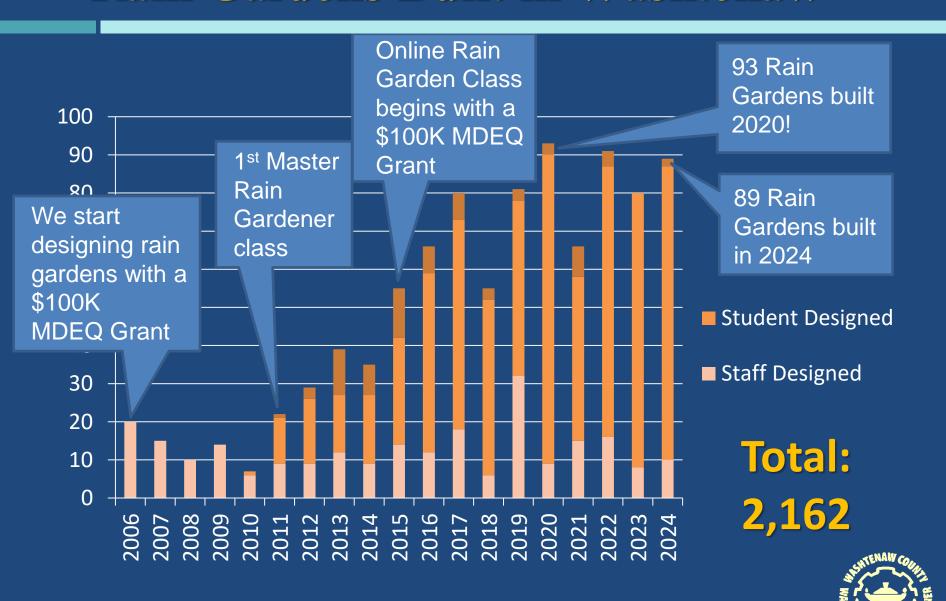
Built. Period.



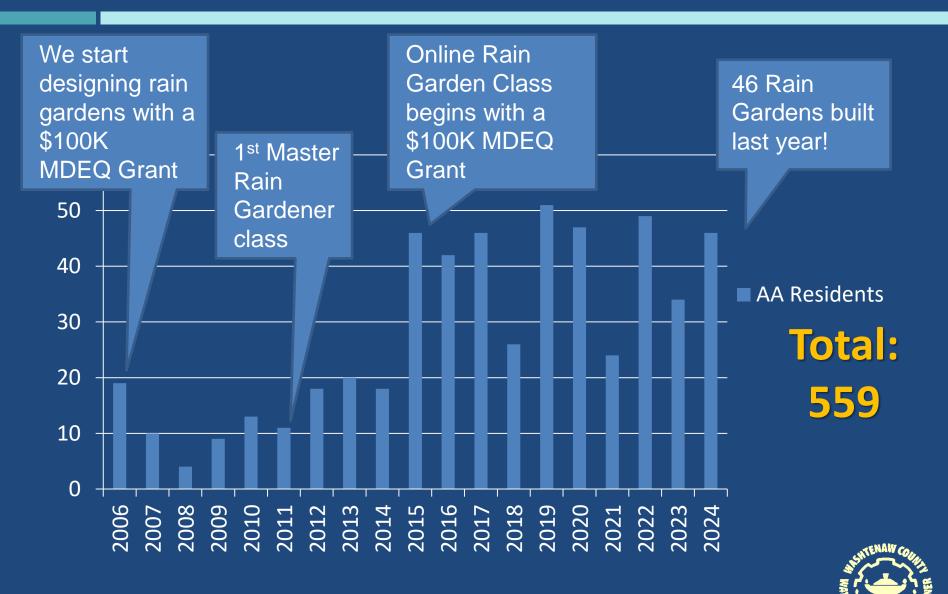
Benefits: Rain gardens get built!



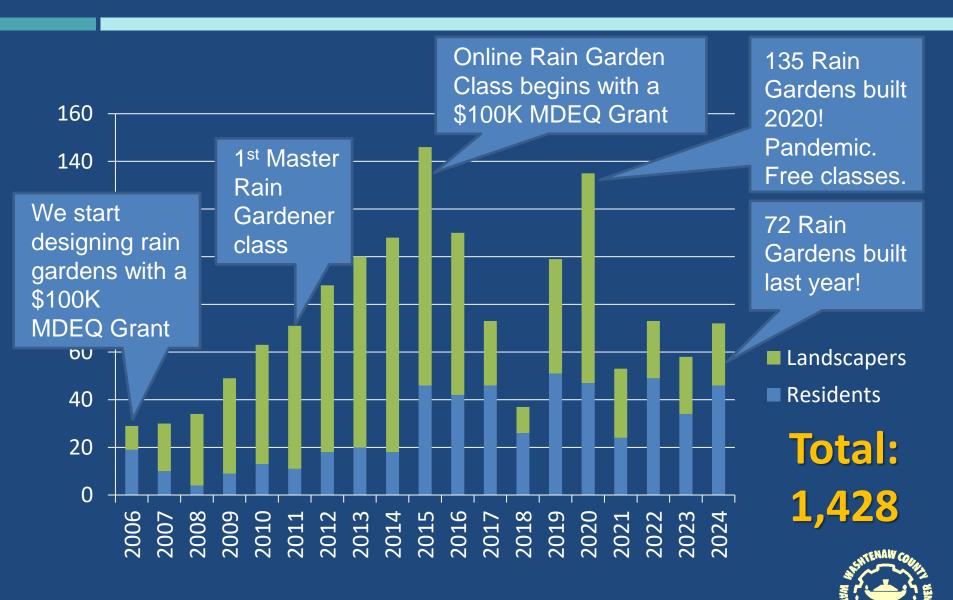
Rain Gardens Built in Washtenaw



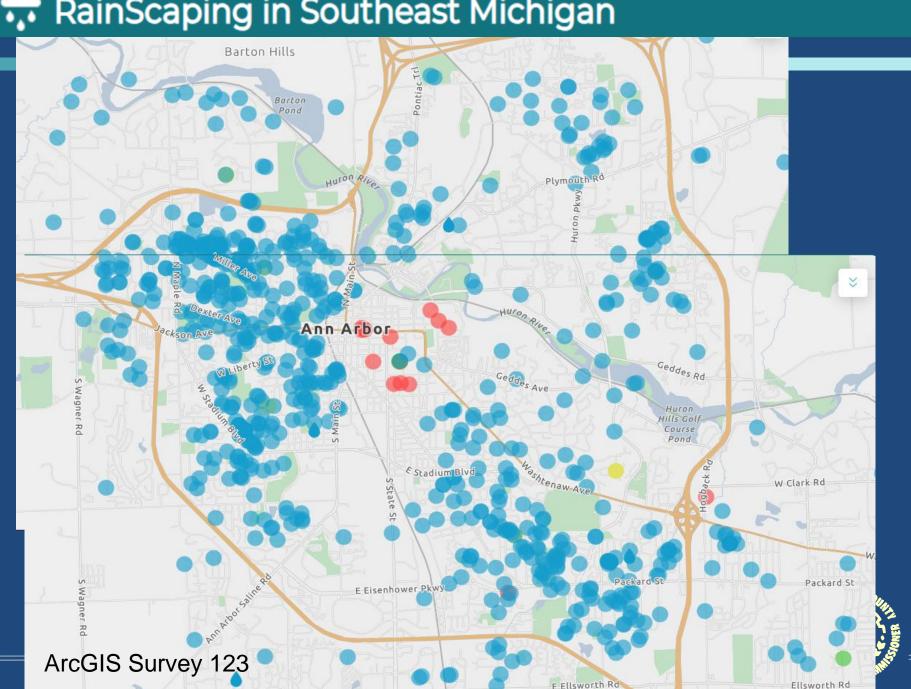
Rain Gardens Built in Ann Arbor



Rain Gardens Built in Ann Arbor



RainScaping in Southeast Michigan

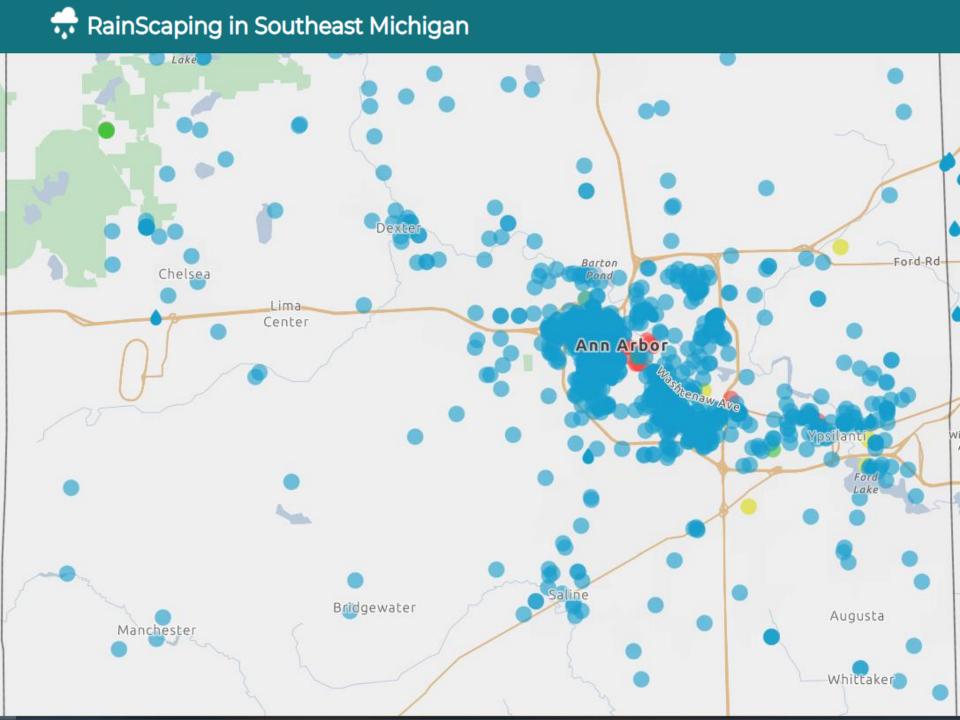


Ann Arbor & Washtenaw Partnership

 Ann Arbor Stormwater Utility fee funds a portion of the Master Rain Gardener Program







Is this Equitable?

Building a Rain Garden can be Free / Low Cost

Free on-demand video class

Plant Swaps

Seed Starting workshops (Seeds to Community)

Municipal compost

Chip drop

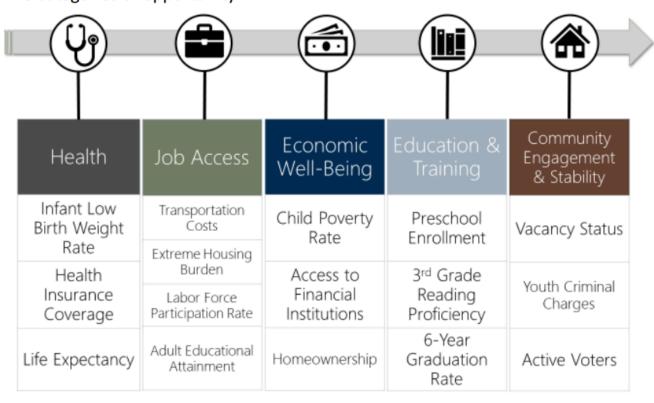


But you do need physical energy



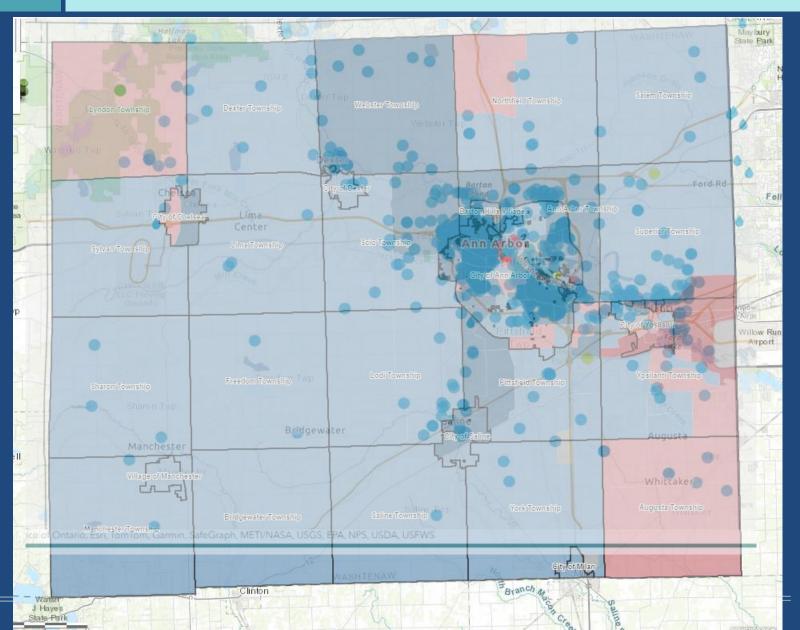
Is this Equitable?

• The Opportunity Index measures access to opportunity by combining 16 indicators into five categories of opportunity:



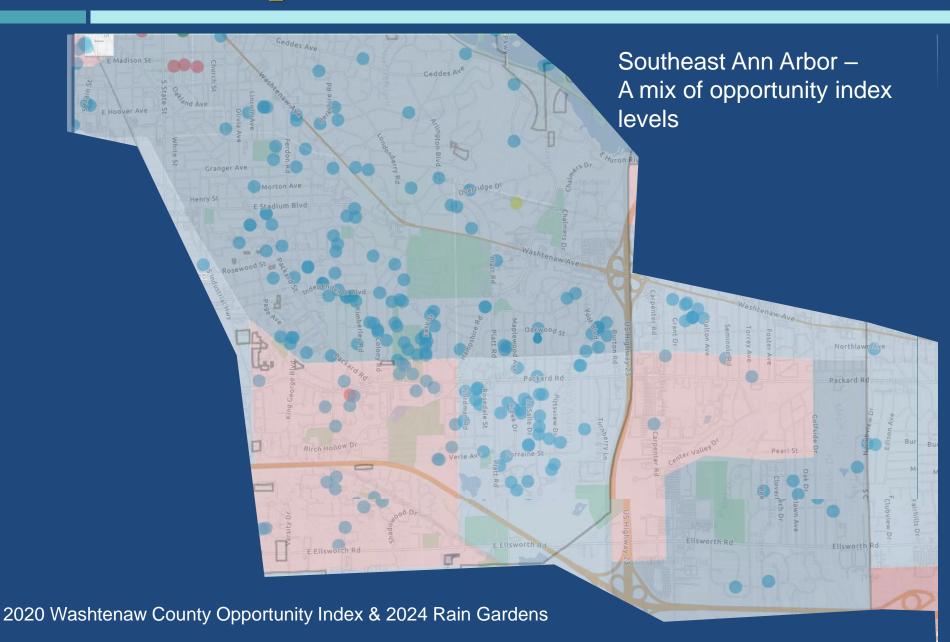


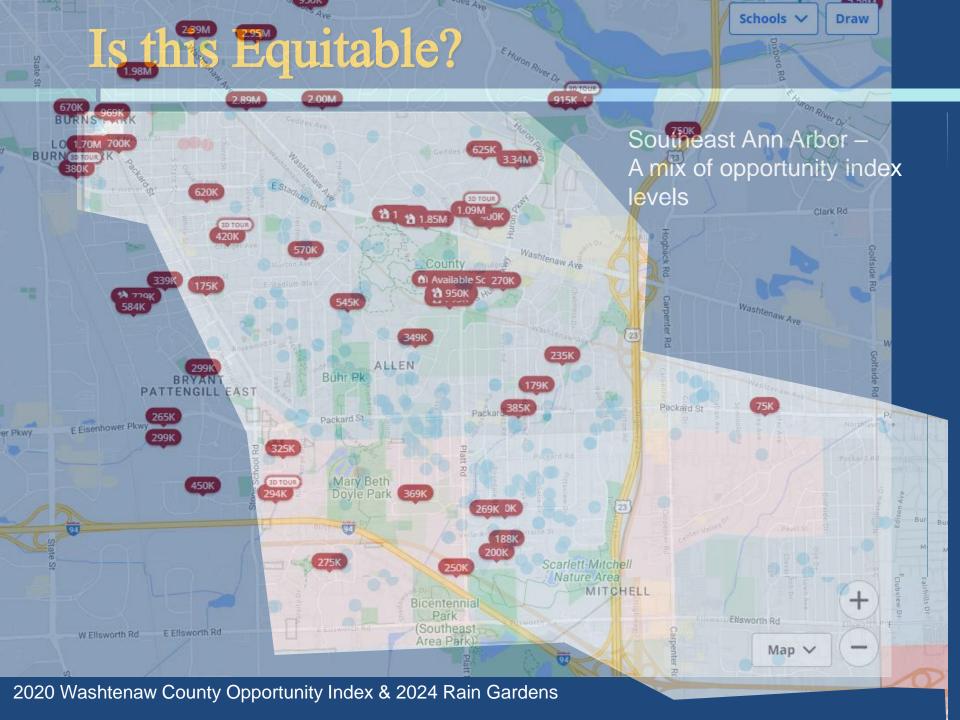
Washtenaw County Opportunity Index



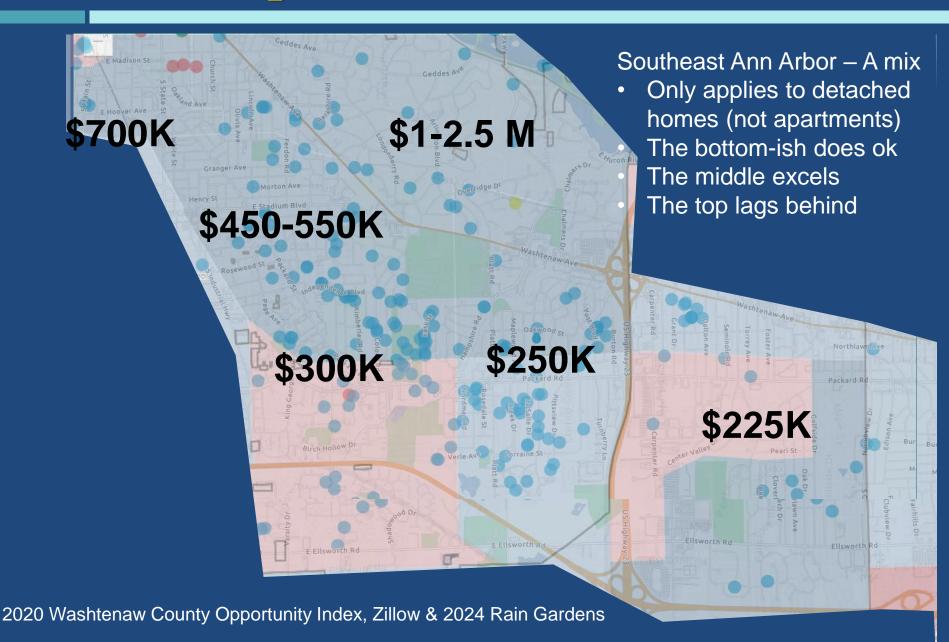


Is this Equitable?





Is this Equitable?



Total Rain Gardens Built: Including Contractors

	of All Time			2024
Rain Gardens built TOTAL	2162	rain gar	ens	142
Washtenaw County	1100			89
City of Ann Arbor (included in Washtenaw)	559			46
Landscape contractors trained by us	895			53
Train the Trainer communities	167			

Landscape Contractors who took the Master Rain Gardener class. These numbers aren't reflected on the map.

(I haven't figured out how to convince landscapers to fill out my map form...)

Wealthier people – hire contractors. So they might be building more than the map reflects.



Audience Barriers & Benefits: Theirs, not yours

What is stopping people? What is motivating them?

- In Behavior Change/ Social Marketing this is a Barriers & Benefits analysis -



Have you ever tried to change your behavior?

- Why should a rain garden rise to the top? When we could . . .
- Exercise more
- Invest retirement money
- Clean out the junk closet
- Volunteer at your kid's school
- Arrange the kitchen in a rainbow

Audience Barriers & Benefits: Theirs, not yours

Benefits

- 1. Cool new garden project
- 2. Solving a basement water problem
- 3. Pollinators
- 4. The satisfaction of a job complete & well done
- 5. Having a Purpose & meaningful work
- 6. Professional development
- 7. The t-shirt





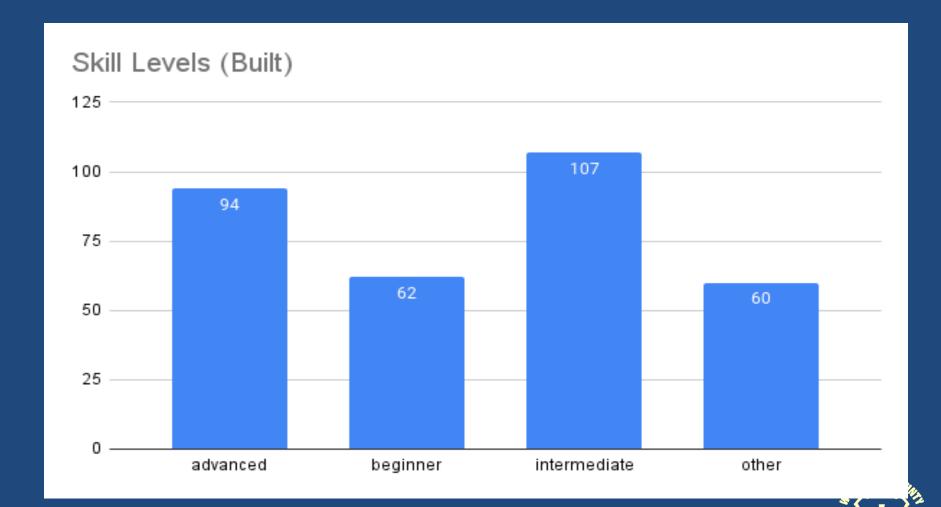








UofM Data Deep dive





UofM Data Deep dive



Audience Barriers & Benefits: Theirs, not yours

Ann Arbor code requires a rain garden (or dry well)

If a homeowner has a building project that increases the area of impervious surface on their property

- 1. AA Staff know to give residents our card for free rain garden advice!
- 2. Please send any homeowners to us!

www.washtenaw.org/raingardens



Make an Appointment: Advice right in their yard

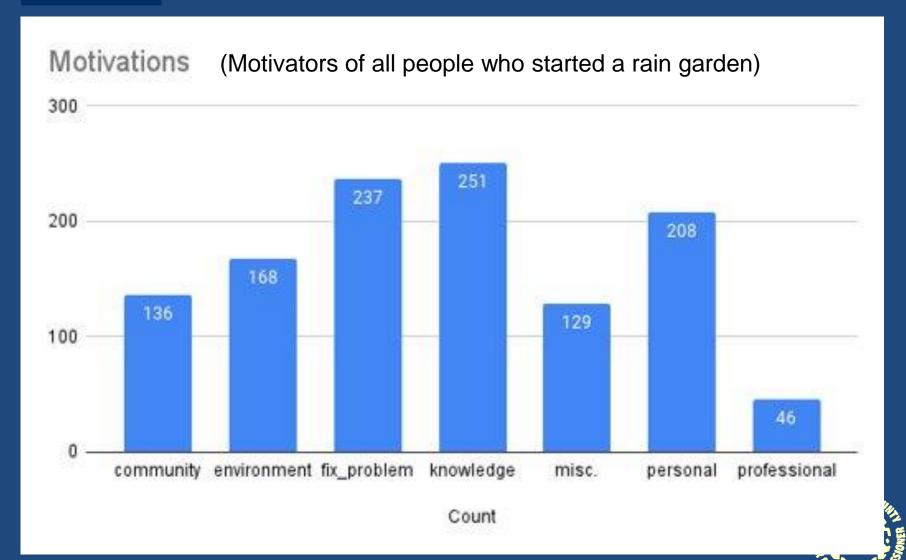


www.washtenaw.org/raingardens





UofM Data Deep dive



Audience Barriers & Benefits: Theirs, not yours

Barriers

- 1. Knowledge how to do it
- 2. Confidence am I doing it right?
- 3. Neighbor approval what will the neighbors think?
- 4. Time do I have small children?
- 5. Money
- 6. Energy can I wield a shovel?





Pathway of a rain gardener:



Volunteer . leadership •

Facebook Group

Master Rain Gardeners

Advice to new RGers Host tours Plant Sales / Swaps Volunteer



Master Rain Gardener class





Washtenaw County Rain Garden Programs

Design Assistance Program

We give advice - you dig

Master Rain Gardener Class

In-person – April

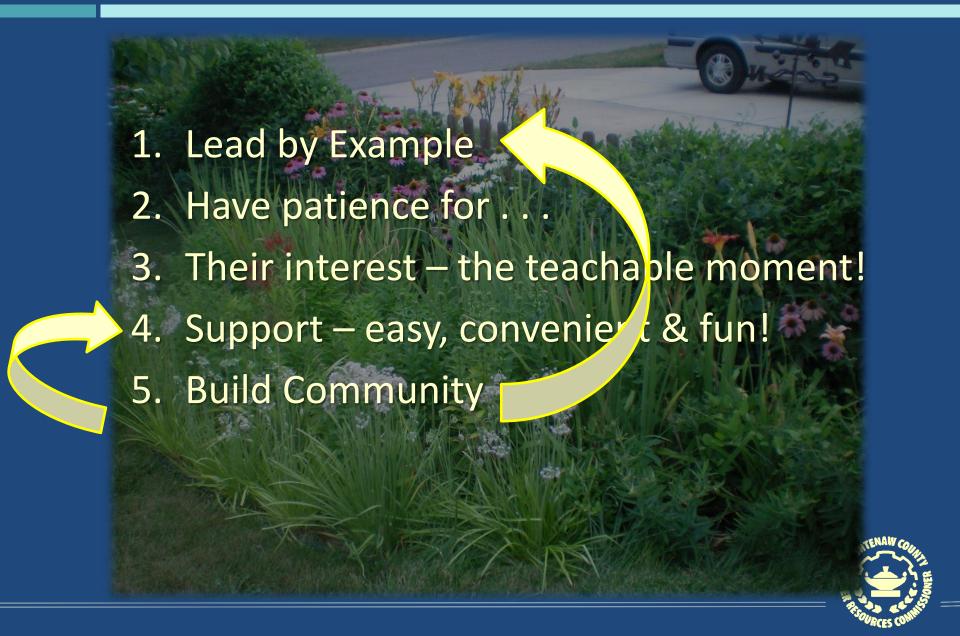
Live Online – January



How did this happen?



Iterative Process



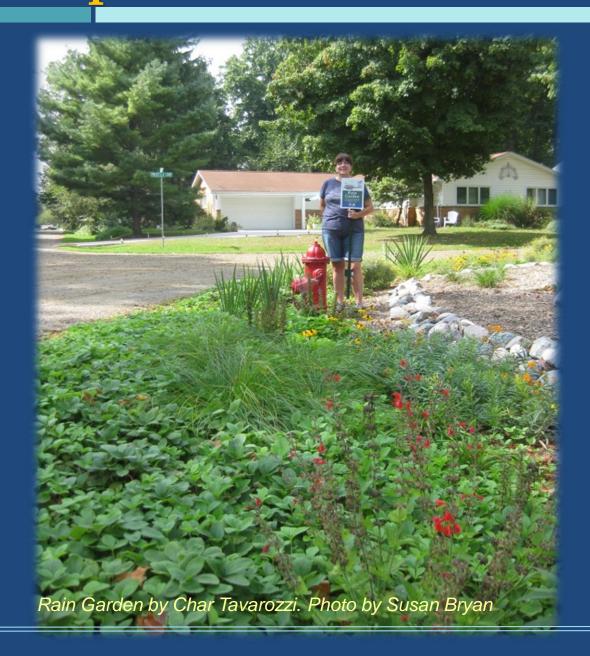
Lead by Example







Lead by Example



Char Tavarozzi MRG 2013



Lead by Example





Lead by Example





Pay it Forward: Spend your Social Capital



What other ways can we be great hostesses?

Lead by Example





Rain Garden

Improving wildlife habitat and water quality in the Huron River one garden at a time







Growing
Native Plants
for biodiversity

Restore Nature with
Native Plants
www.wildflowersmich.org

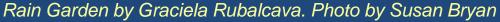


Lead by Example



"The #1 influence on what people do with their yards — is what their neighbors do with their yards."

-American Green: The Obsessive Quest for the Perfect Lawn





Access to Native Plants: Removing Barriers



Lisa Denys volunteering at the WCCD Native Plant Sale & Expo

One of the reasons we love the Expo!



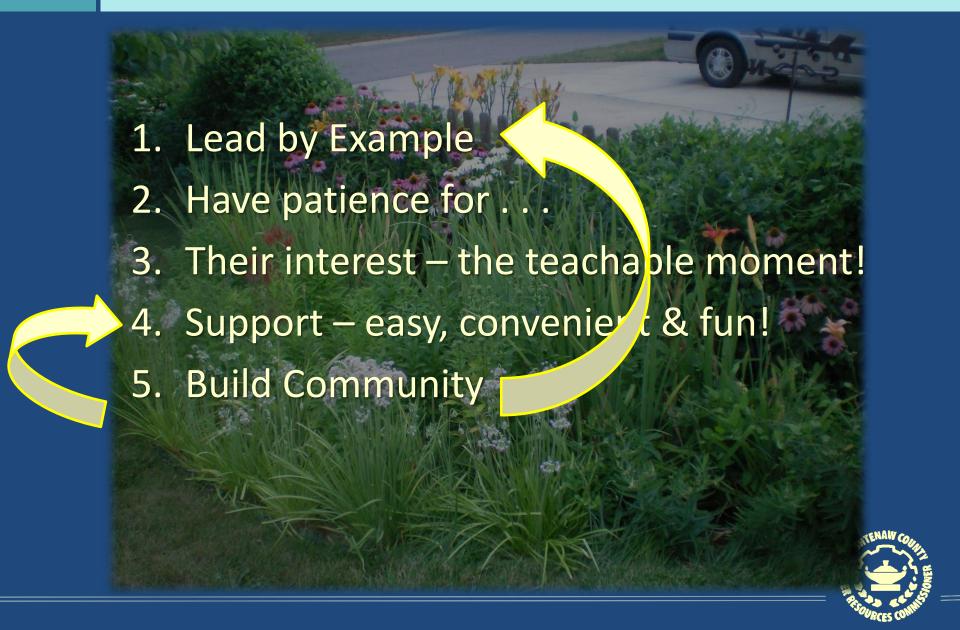
Access to Native Plants: Removing Barriers



Seeds to Community – bringing it to a whole 'nother level



How did this happen?

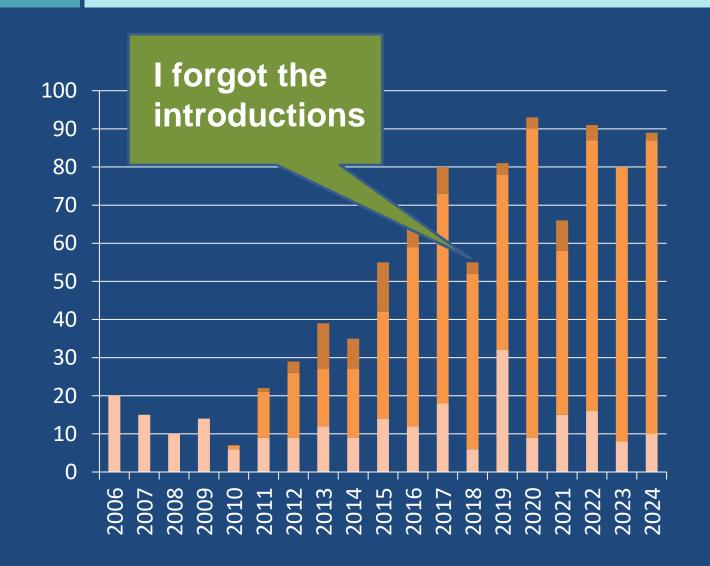


Building Community is key!



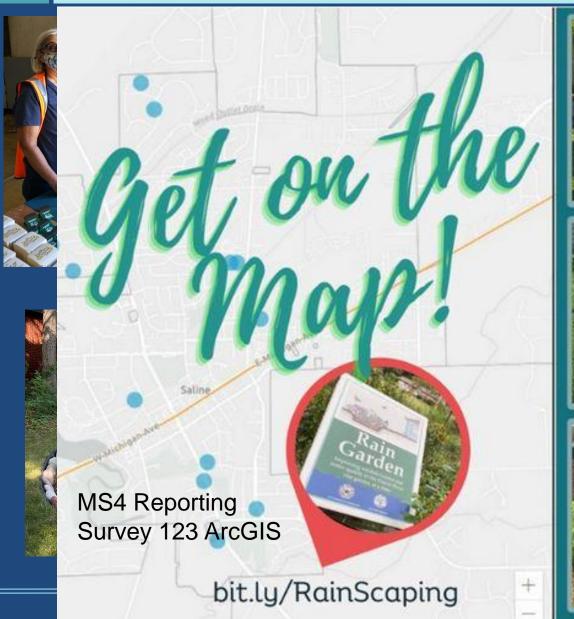


Rain Gardens Built in Washtenaw





Reporting the Pathway of a rain gardener:





How did this happen? Resources

Behavior Change:

- Social Marketing to Protect the Environment: What Works. Doug McKenzie-Mohr. c. 2012
- iSMA International Social Marketing Association
- SPARKS Conference by the Pacific Social Marketing Association
- Social Marketing. Nancy R. Lee & Philip Kotler.
- Atomic Habits. James Clear.
- This is Marketing. You Can't be Seen Until you

Learn to See. Seth Godin.

Volunteer Management:



Conclusion:



