

Conference events for the new professional!

- Emerging Professional Section Meeting
 - Today! 1:15pm-2:45pm Escorial
- Leadership Forum
 - Thursday- 3:15pm-4:45pm Biscayne Ballroom
- Sage Advice: Changing Perspectives of Emerging & Emerged Public Garden Professionals
 - Friday- 8:00am-9:30am Raphael/Michelangelo



THE LONGWOOD GRADUATE PROGRAM IN PUBLIC HORTICULTURE

**Lettuce Talk About It:
Culinary Connections at Public Gardens**

Mackenzie Fochs

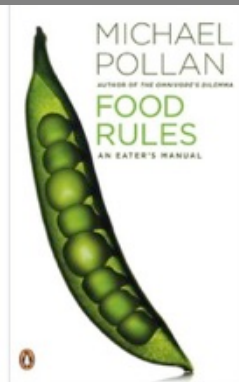
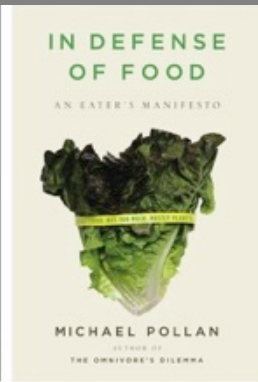
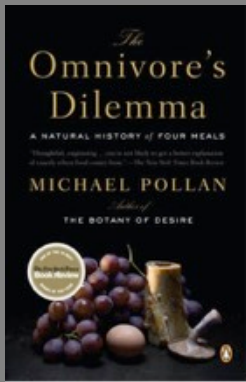


Photo: White House, Lawrence Johnson



Photo: [https://twitter.com/miami_happeningmag.com](https://twitter.com/miami_happeningmag)

What are culinary arts programs?



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LONGWOOD
GARDENS

UNIVERSITY OF
DELAWARE.

Objectives

1. To define the variety of culinary arts programs offered at public horticulture institutions and understand how they fit with the mission of each institution.



Objectives

2. To define demographics of culinary arts program participants at five public horticulture institutions.



Objectives

3. To understand the difference between culinary programs and other education programs in their effect on membership and feeling of connection to the institution.



Objectives

4. To determine impact of culinary arts programming on the decisions participants make related to program topics.



Objectives

5. To provide best practice recommendations for public horticulture institutions interested in developing culinary arts programs.



Methods

- Exploratory Discussions
- Program Information Request
- 32 Interviews with
21 Institutions
- 5 Surveys
- 6 Site Visits



Why offer culinary arts programming?

- Audience

“In addition to attracting another audience, [we wanted] to provide another venue [in which] people can enjoy the desert and participate in the education opportunities of the garden”

Luana Vargas, Desert Botanical Garden

- Building on previous programs
- New facilities

Types of Programs

- 4 categories
 - Single classes/lectures
 - Series programs
 - Drop-in programs
 - Event programs

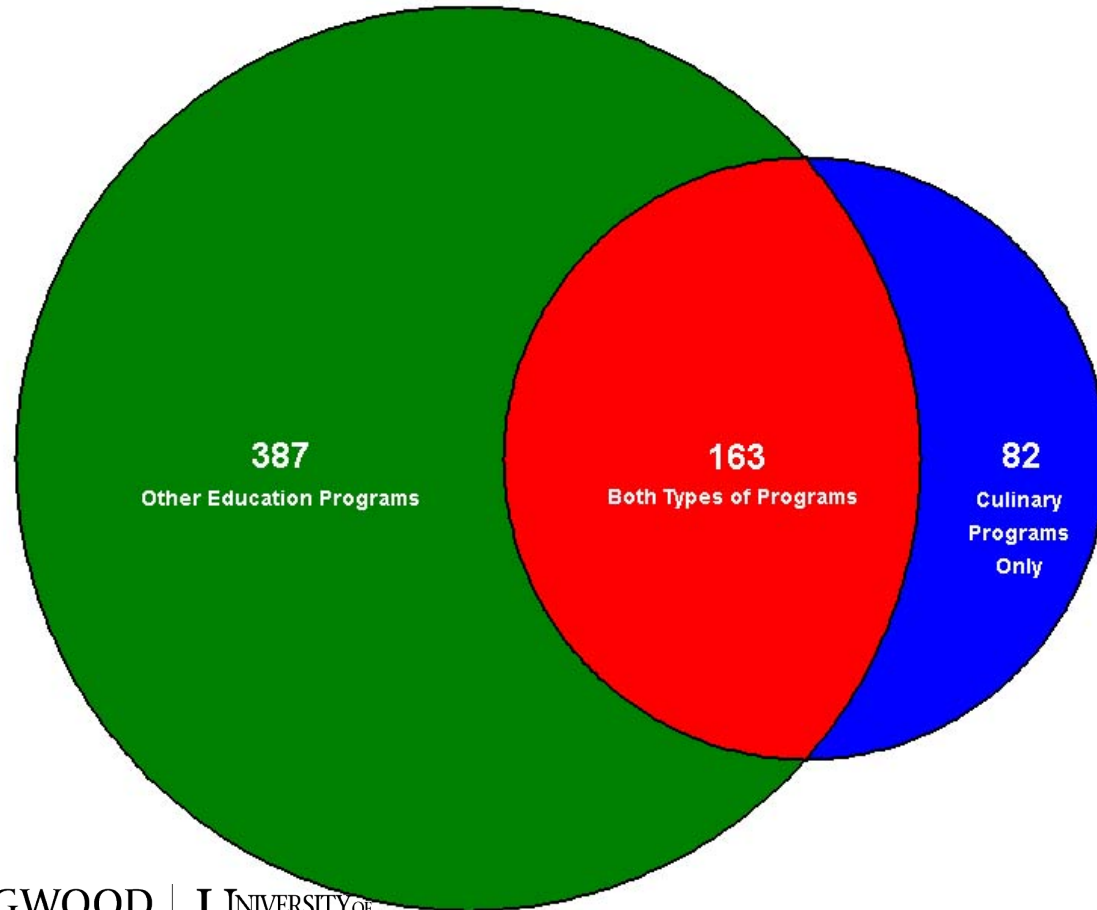


Connecting to Mission

- “We try to incorporate seasonal vegetables and fruits in classes and to grasp elements of seasonality,”
Mary Neustein
Fairchild Tropical Botanic Garden
- “Connecting people with plants through food is one of the most obvious and direct ways for people to understand how the whole [food] system works,”
Sarah Olson
Denver Botanic Gardens



Overlap of Participants in Culinary Programs and Other Education Programs



Audience Snapshot

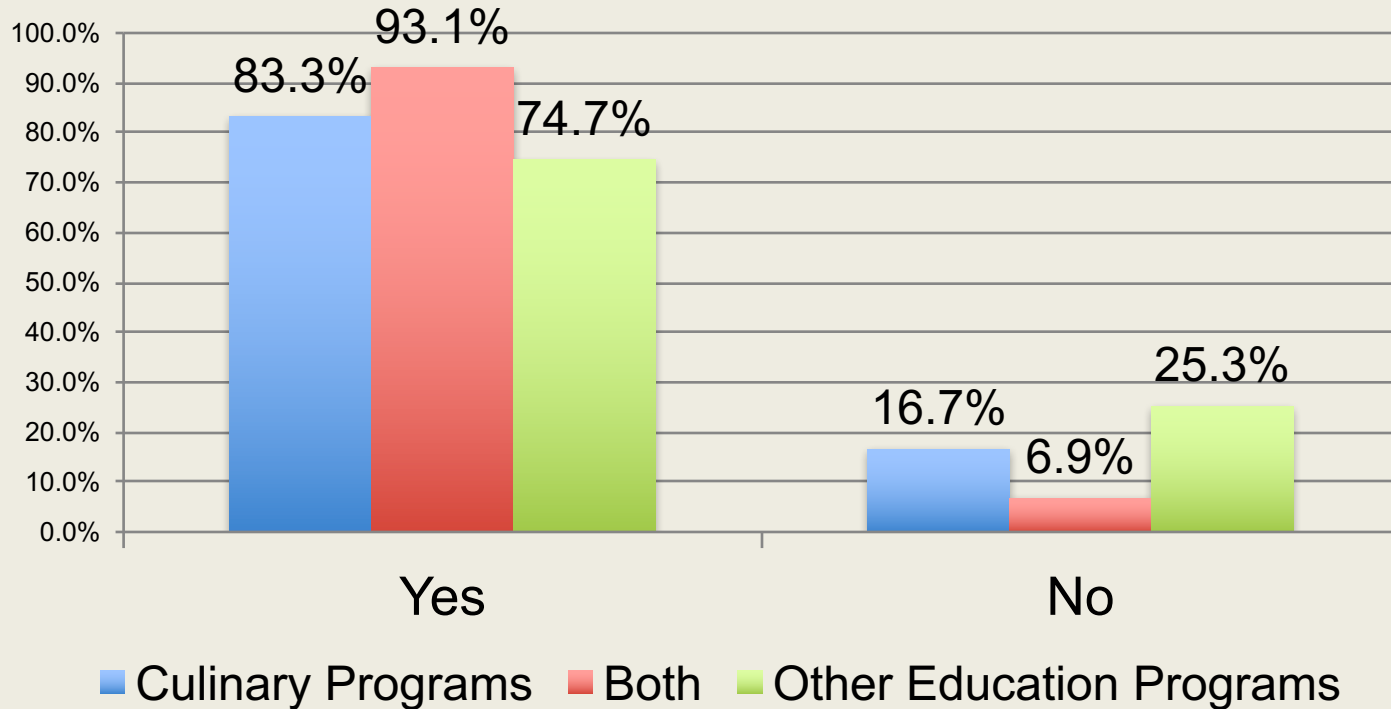
- Age 46 or older (83.9%)
- Female (86.5%)
- Combined annual household income greater than \$60,000 (77.6%)
- Attained a 4-year degree or higher level of education (80.3%)
- White/Caucasian (94.4%)



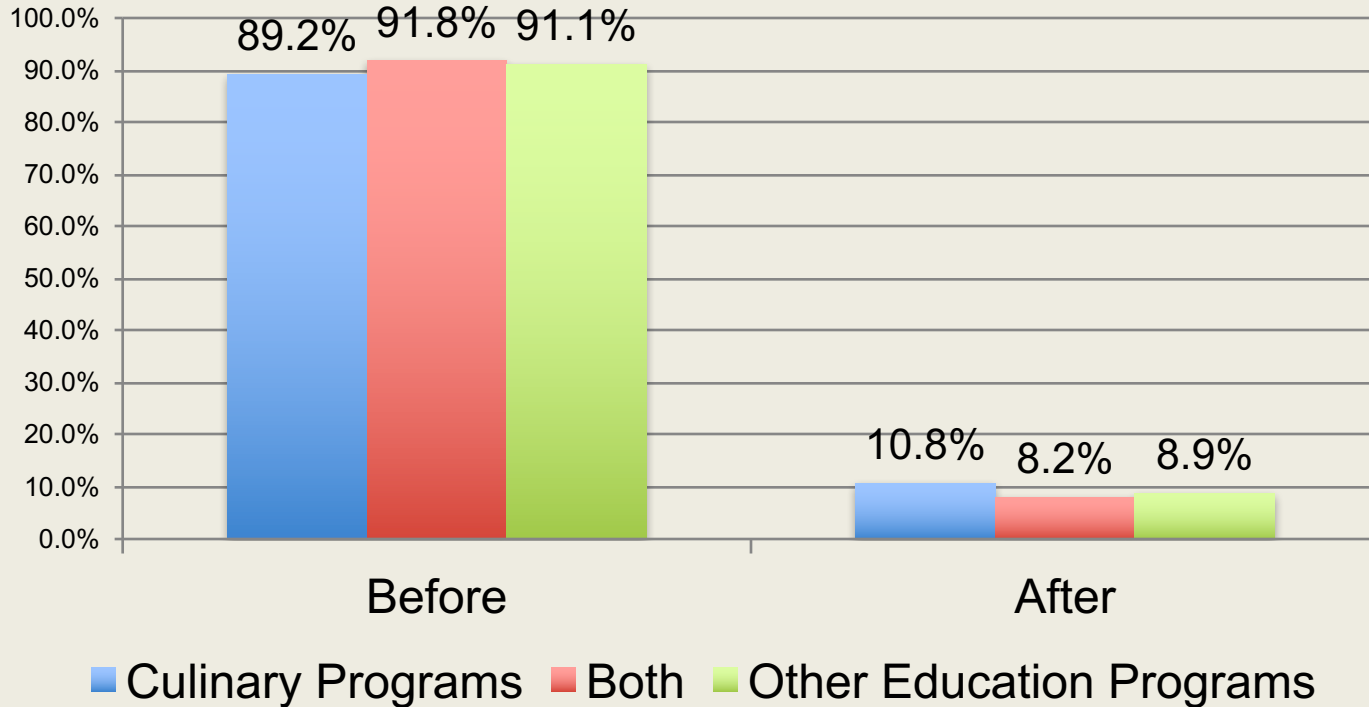
Why are they attracted to culinary topics?



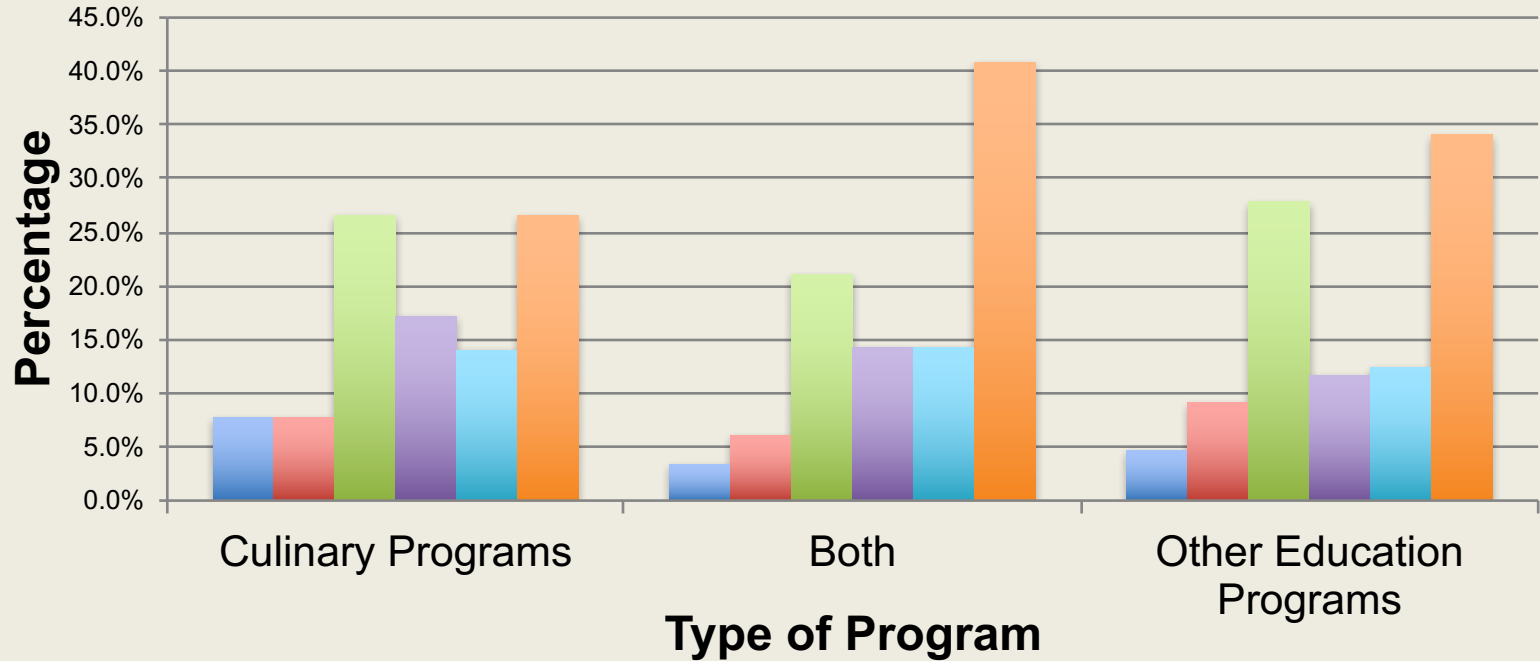
Membership by Program Type Shown as a Percentage of Total Responses n = 604



When Members Joined by Program Type Shown as a Percentage of Total Responses n = 483



Length of Membership by Program Type Shown as Percentage of Total Responses n = 484



■ Less than 1 year

■ 1-2 years

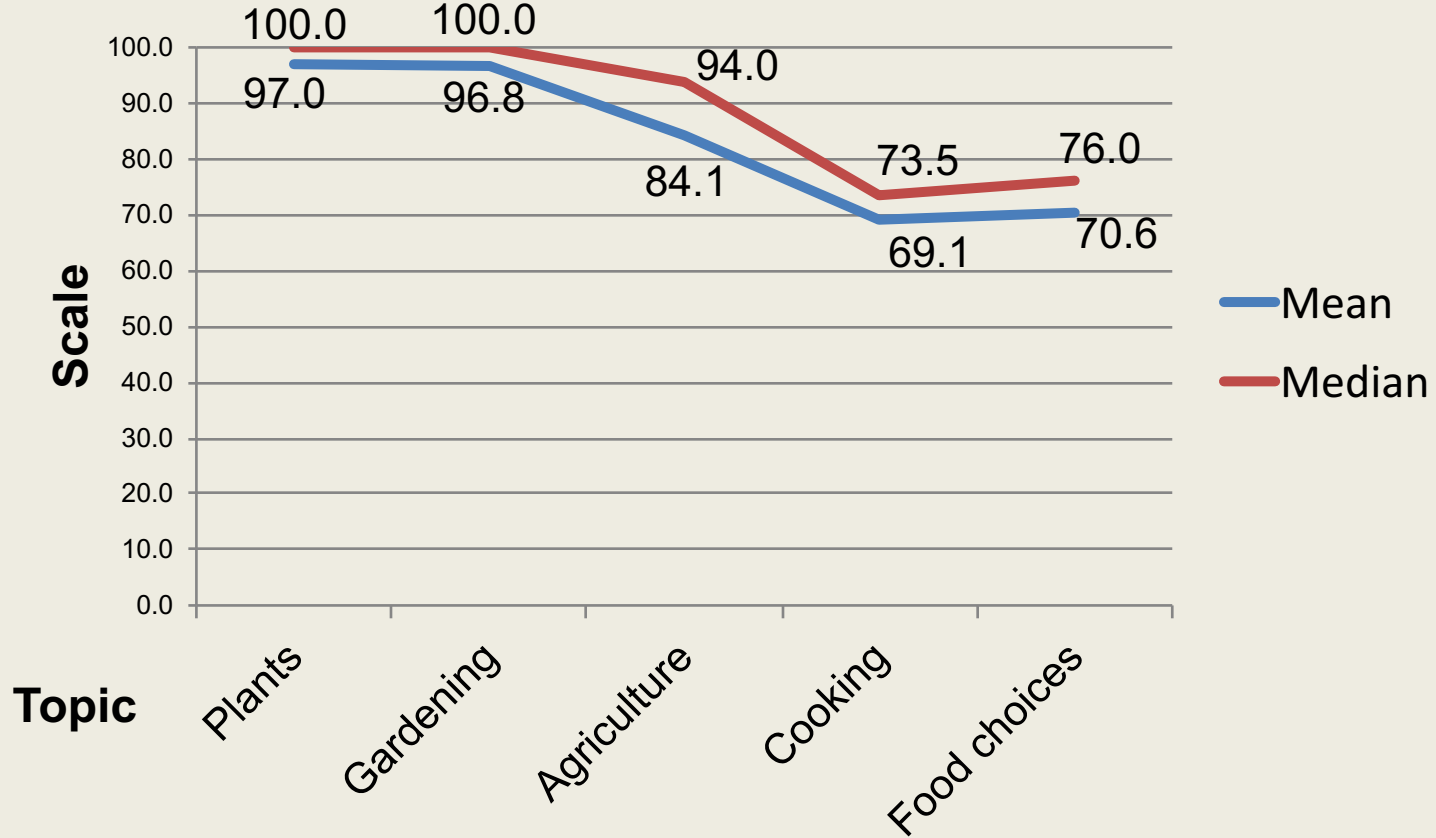
■ 2-5 years

■ 5-7 years

■ 7-10 years

■ 11+ years

Reputability of Public Horticulture Institutions in Topics Related to Culinary Programs



Programmatic Impact

- 18 of 21 institutions are promoting ideas of:
 - Healthy eating
 - Growing or cooking one's own food
 - Eating locally sourced food



Programmatic Impact

- Lifestyle changes made **somewhat or much more** after attending a culinary arts program:
 - Purchased locally grown food (48.6%)
 - Were inspired to grow vegetables, herbs, or fruit (47.5%)
 - Prepared meals for themselves or their family (28%)
 - Made healthier eating choices (25.7%)

Best Practice Recommendations

- General Considerations
- Facilities, Including Garden and Kitchen Spaces
- Volunteers
- Pricing and Supply Costs
- Partnerships and Sponsorships
- Instructors
- Culinary Events



General Considerations

- Ordinances
- Number of Programs





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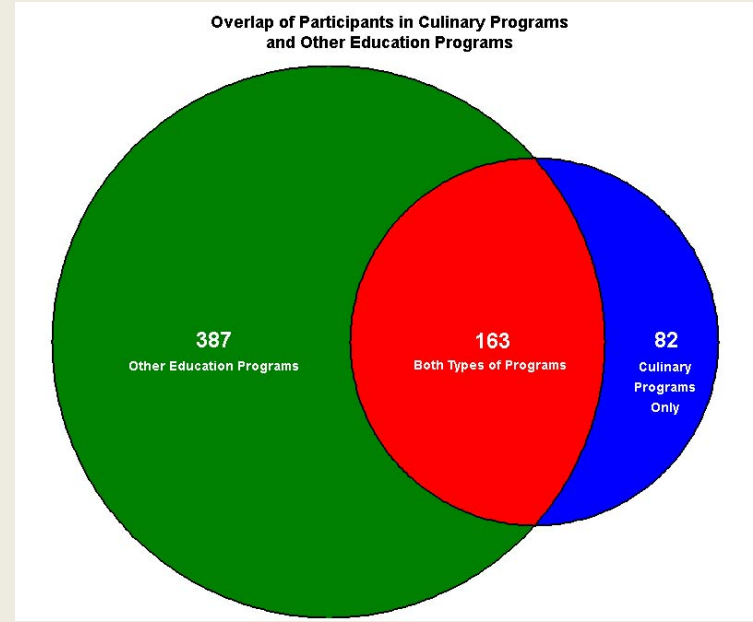






What *does* offering culinary programs mean for public gardens?

- Mission fulfillment
- Distinct audience interested in culinary topics
- Opportunity to engage participants in philanthropic activities



Special Thanks

- **Dr. Susan Barton**, University of Delaware
- **Susan Crane**, The Morris Arboretum of the University of Pennsylvania
- **Dr. Thomas Ilvento**, University of Delaware
- **Dr. Douglas C. Needham**, Longwood Gardens
- **Dr. Brian Trader**, Longwood Gardens
- **Marnie Conley**, Longwood Gardens
- **Interviewees**





Thank you!

How Green are the Greenest Blocks?

A Comparative Study of Environmentally Beneficial Blocks in Brooklyn



Michelle Gluck, Pratt Institute

2016
MIAMI

CHANGING PERSPECTIVES: PLANTING FOR THE FUTURE

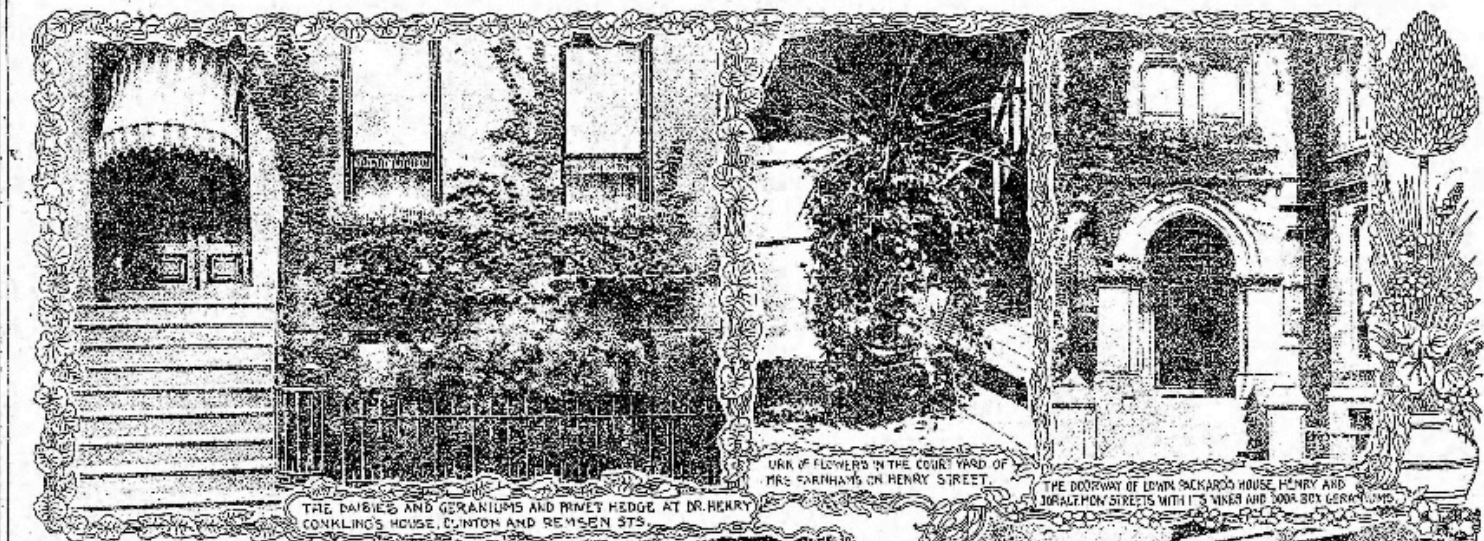
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THE HEIGHTS' BLOCK BEAUTIFUL EXTENDS ITS BOUNDS.

An Exhibition of Flower Boxes Begins To-morrow and Block Beautiful Number 2 Starts Off.



A number of houses in the old Columbia Heights section of Brooklyn, showing their participation in "Block Beautiful." (Bklyn Daily Eagle, 18 May 1902).

Before the Botanical Garden arrived on the scene with its "Greenest Block in Brooklyn" initiative, there was "Block Beautiful."

2016
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CHANGING PERSPECTIVES: **PLANTING FOR THE FUTURE**

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Urban Stressors:

- Litter and debris
- Dog urine and feces
- Car traffic
- Block instability due to construction and real estate development
- Noise pollution
- Urban heat island effect
- Minimized solar rays
- CSO overflow/stormwater flooding
- Air pollution

“Perhaps it will be the city that reawakens our understanding and appreciation of nature, in all its teeming, unpredictable complexity.”

Jane Jacobs, The Greening of the City



CHANGING PERSPECTIVES: **PLANTING FOR THE FUTURE**

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How successful are “greenest blocks” at mitigating urban stressors?

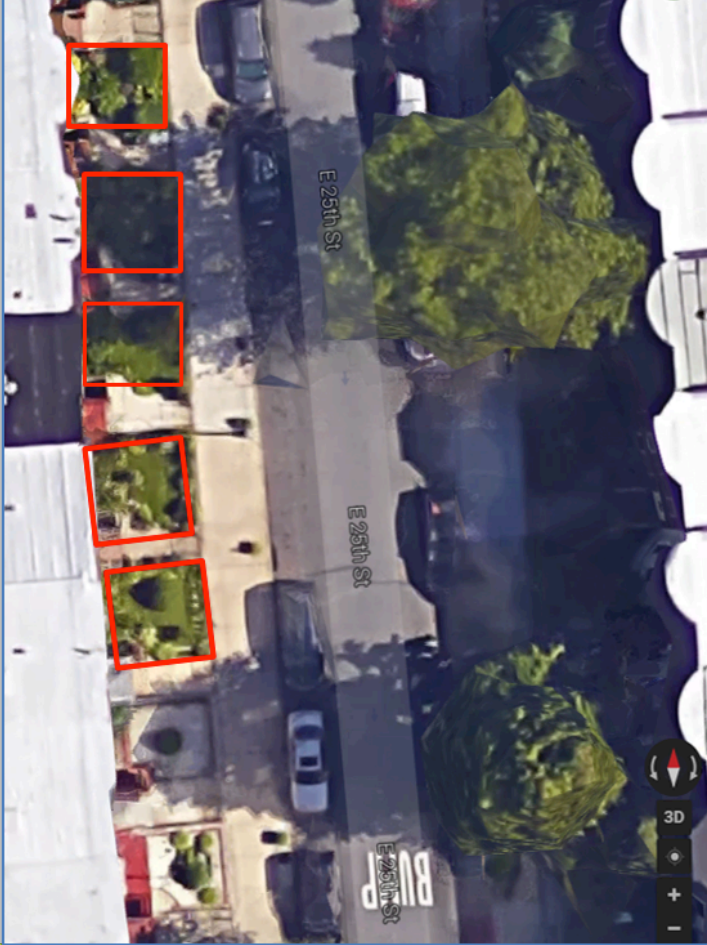
How “green” are the greenest blocks?



Indicators:

1. Street Tree Index (NYC TreesCount! Data)
2. Percent of Streetscape “Planted” Index
3. Percent Permeable Surface
4. Presence of Street Litter
5. Presence of Signage/Collective Action/Unified Stewardship
6. Evidence of Intentional Soil Enhancement/Soil Porosity





CHANGING PERSPECTIVES: PLANTING FOR THE FUTURE

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Preliminary research findings from participant surveys and community roundtable discussions:

In your opinion, what are the greatest challenges to greening on your block?

Flowers Money Neighbors Commit Block
Community Participation Traffic Getting
Litter Tree Funding Garden Growing Watering

“Greening the block was the catalyst for knowing one another, developing a listserv for the block, an annual September block party AND transformed the block with plants and flowers!”





What "Greenest Block"
Gardeners want:

- FREE PLANTS *
- GRANT PROGRAM *
- COMMUNITY PLANT NURSERIES
- MORE FREE CLASSES
- FREE SOIL TESTING
- NATIVE PLANT SOURCES
- YOUTH INVOLVEMENT - corps
- GREATER COMMUNITY PARTICIPATION care
- TREE GUARDS
- LESS LITTER and DOG WASTE



CHANGING PERSPECTIVES: **PLANTING FOR THE FUTURE**

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MORE OPPORTUNITIES TO MEET
EACH OTHER, SHARE IDEAS/TIPS,
AND REQUEST HELP FROM OTHER
BLOCKS.

COMPOST!

RAIN BARRELS

MORE BBG OUTREACH AT
BLOCK ASSOC. MEETINGS and
BLOCK PARTIES



Thank you!

Questions?

If interested in further contact or collaboration please reach out to me:

Mdgluck@gmail.com



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What is the best way to approach this analysis quantitatively and demonstrate the potential value in greening our streetscapes city-wide while successfully showcasing the passion, “traditional ecological knowledge”, and dedicated vigor of each block’s individualized greening efforts?

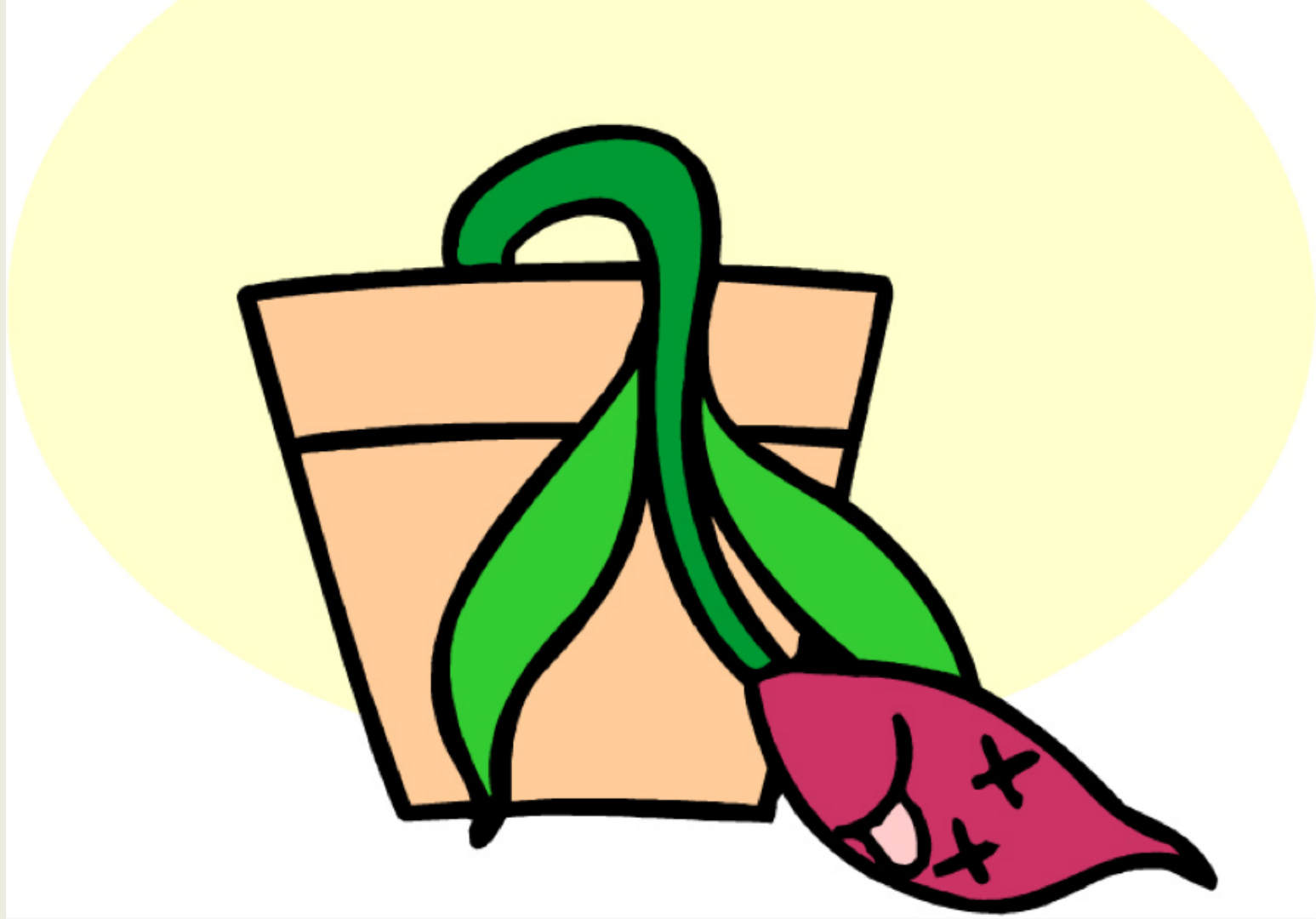
...Citizen science “app”, small scale “pen on paper” assessment form, ArcMap Online Collector or Story Map tool



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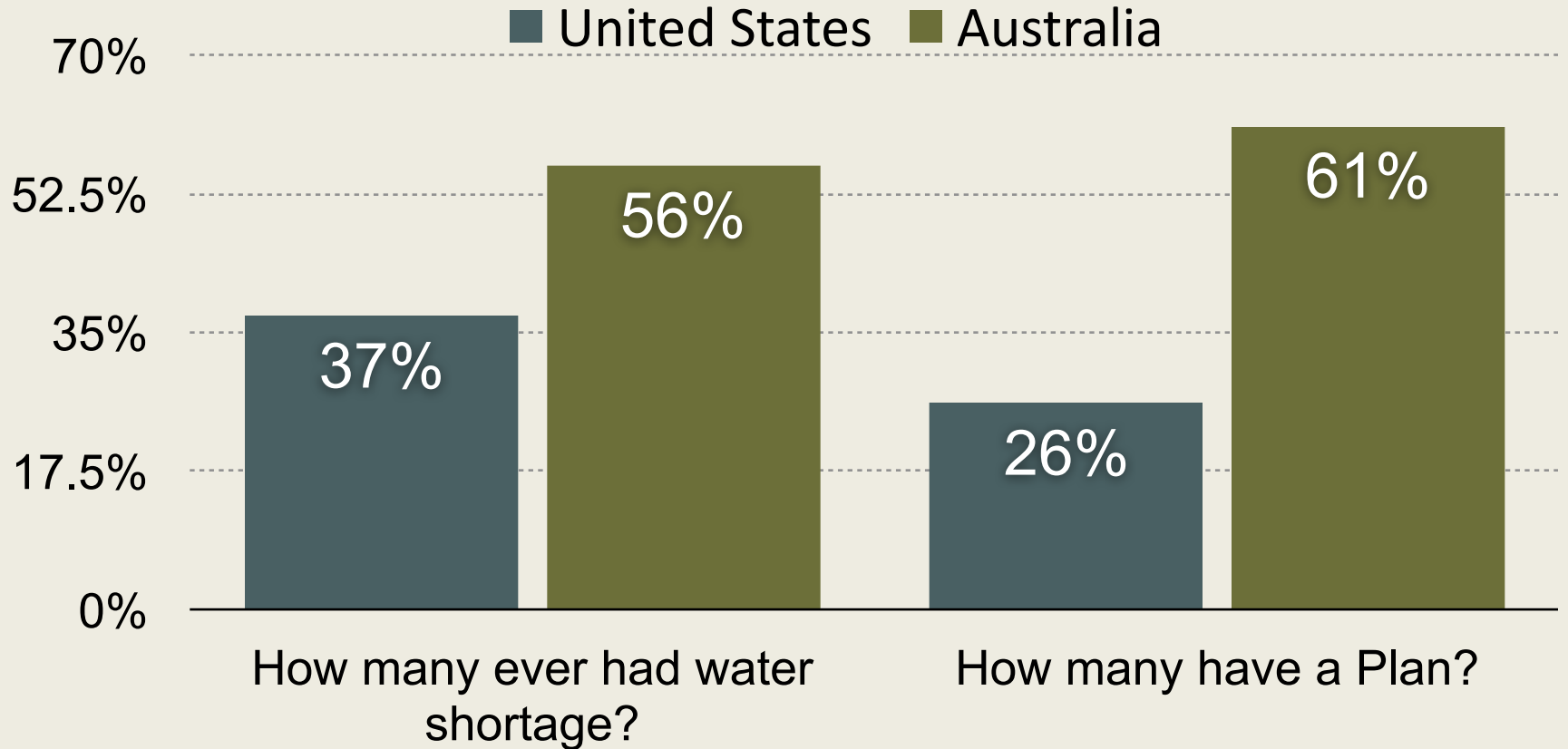
Managing the risk of water shortage

Fran Jackson

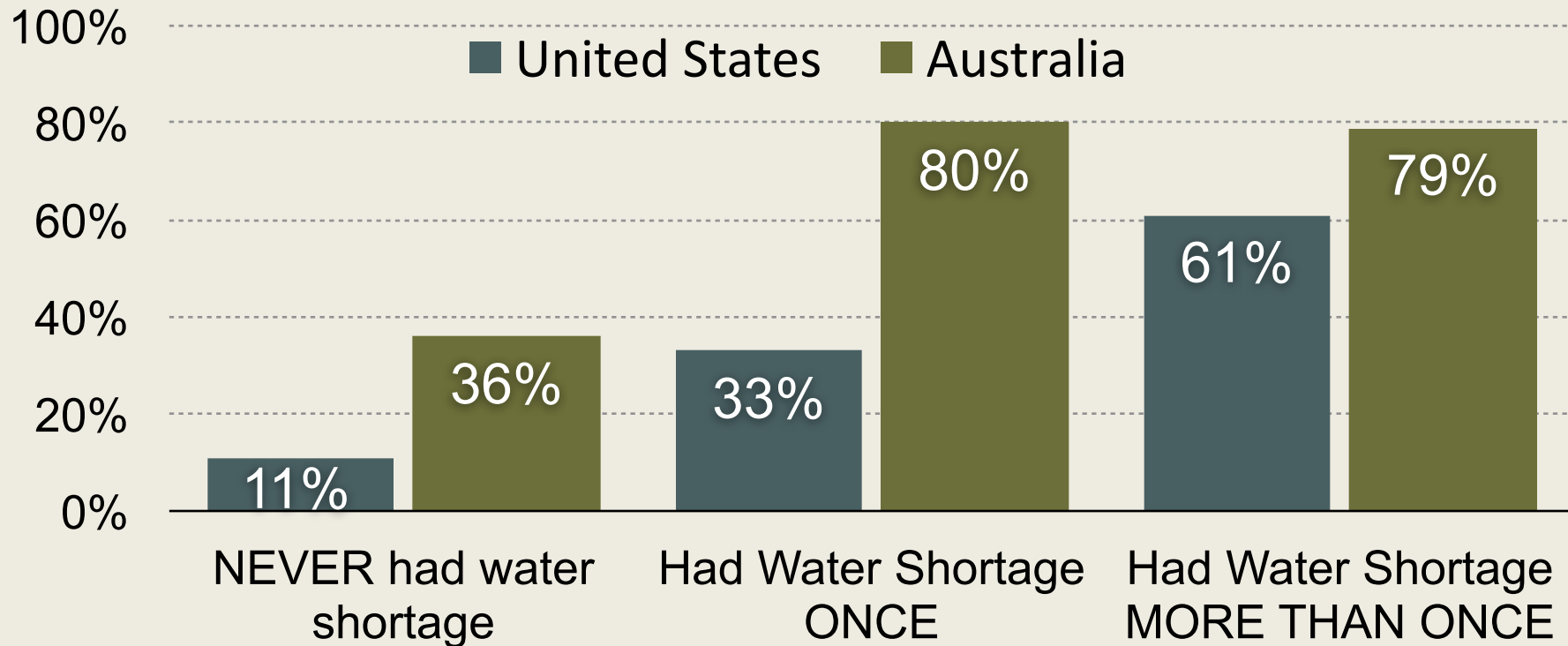


- Literature Review, Survey and Case Studies
- Survey of U.S. and Australian Botanic Gardens
- Interviews with Australian and United States gardens

Experience with Long-term water shortage



Have a Plan to Manage Long-Term Water Shortage?







Has a
Disaster Plan



Has Rare
Cultivars

Had Water Shortage
at Least Once

Heritage
Trees

Had Water Shortage
More than Once

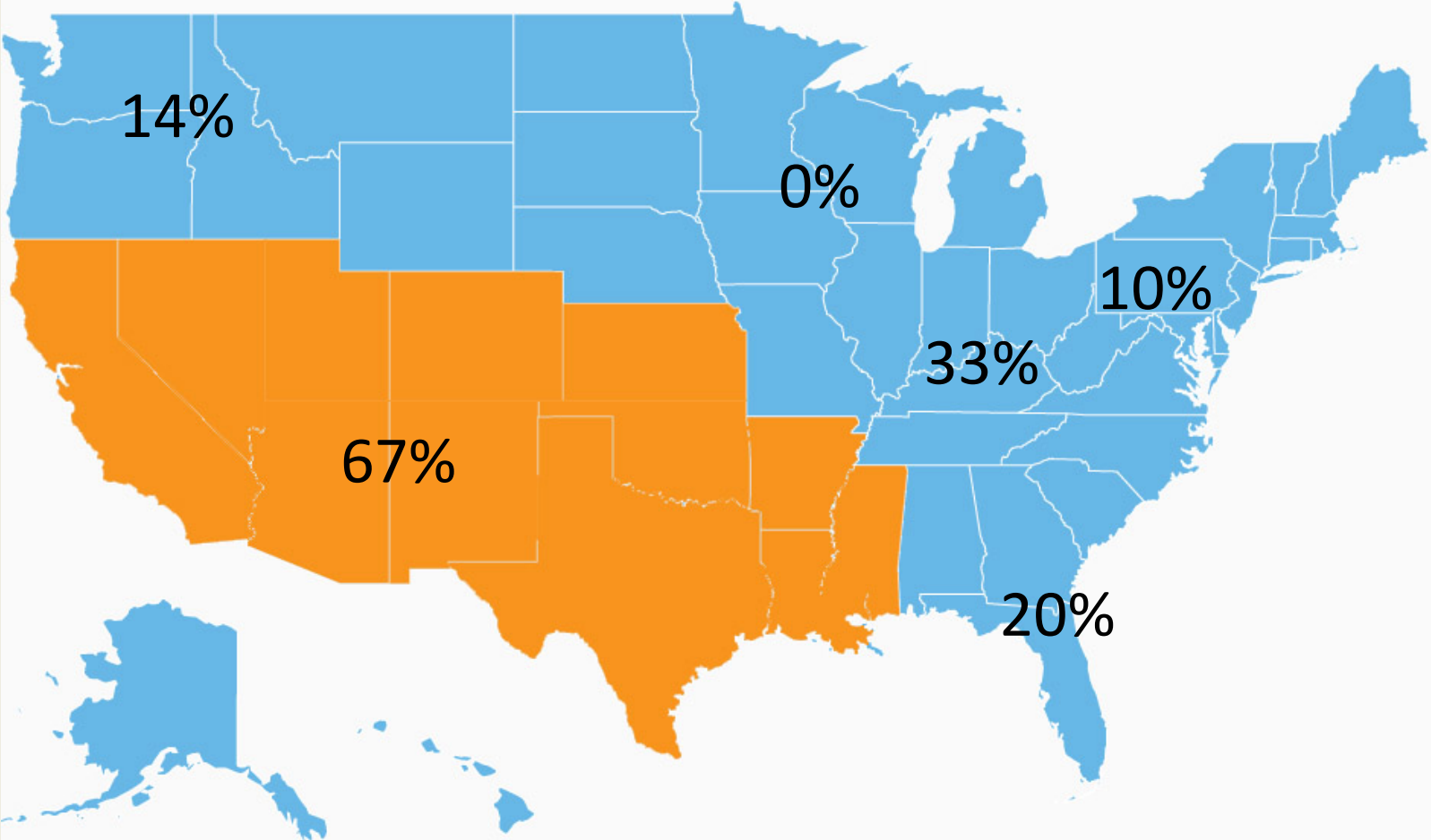
Knows How
Much
Water is
Used

Ben Nevis Inn

WEATHER FORECASTING STONE

CONDITION	FORECAST
Stone is Wet	Rain
Stone is Dry	Not Raining
Shadow on Ground	Sunny
White on Top	Snowing
Can't see Stone	Foggy
Swinging Stone	Windy
Stone Jumping Up & Down	Earthquake
Stone Gone	Tornado

U.S. Gardens % with a Plan by Region





Motivating Factors

- Cost of water
- Climate Change
- Governance
- Sustainability
- Collections management
- Political pressure
- Public Relations



Great plans have to start somewhere...

- Usually triggered by water shortage
- Consult widely within and outside of the organization
- Assess the changing climate
- Have a champion within the organization



Managing the threat of water shortage is primarily a combination of

- Managing the collections
- Managing the water
- Good horticultural practices
- Managing expectations!



Great Plans

- Living collections policy
- Prioritize certain collections over others
- Substitute high water-demand plants for lower demand
- Find an alternative water supply
- Manage water better



Assess the Risk!

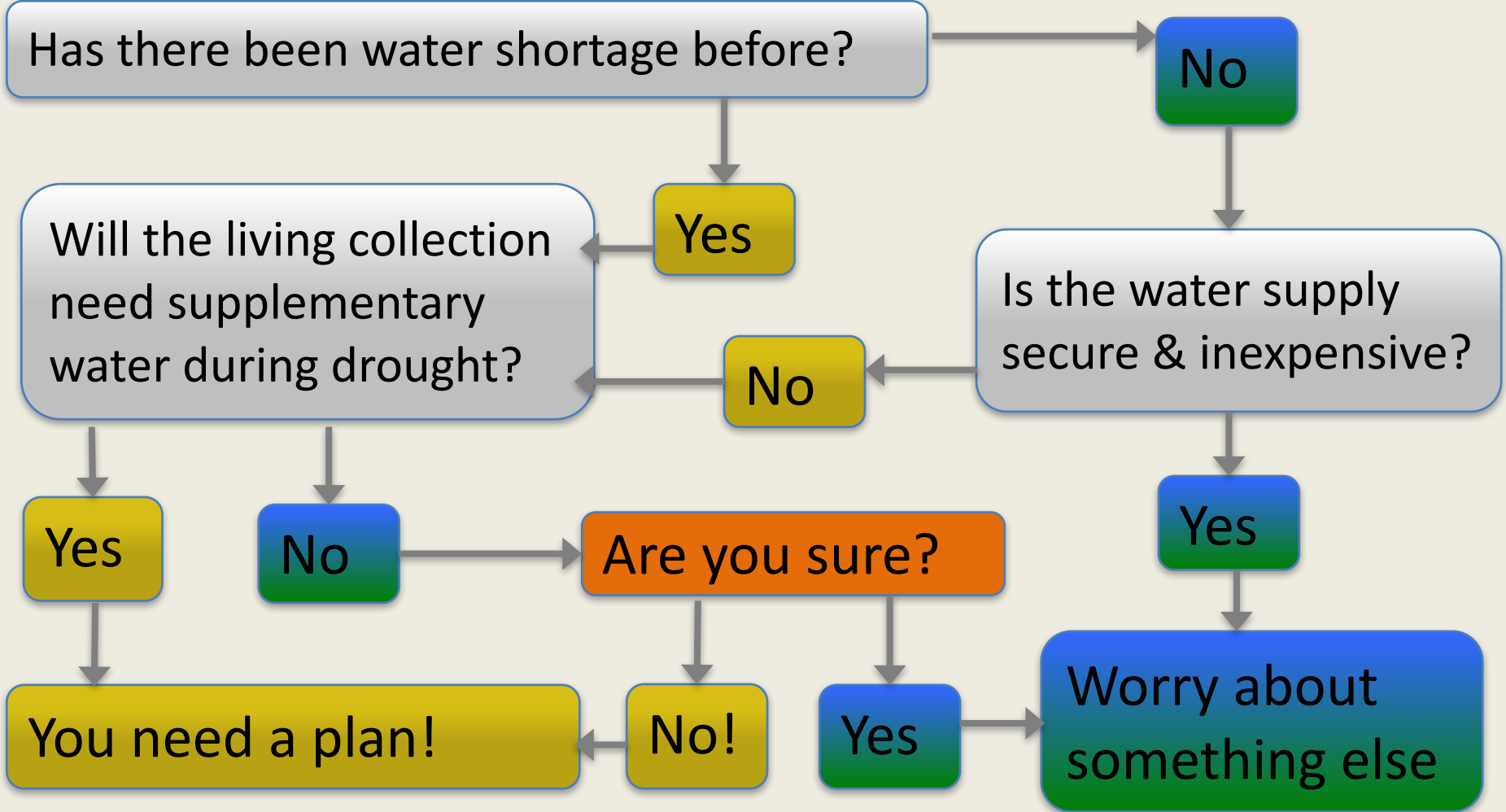
- Is a plan needed?
- What are the consequences of doing nothing?
- Is the risk unacceptable?



Consequences of doing nothing?

- Death of living collections - Loss of irreplaceable taxa
- Institutional reputation damaged, potential loss of donor and grant funding
- Loss of revenue from visitors, venue hire
- Loss of collections from bushfire/wildfire
- Expense incurred to acquire replace and maintain collections
- Long-term changes to micro-climates

Does this garden need a plan to manage long-term water shortage?



How?

- Consult experts inside and outside the organization
- Review the collections
- Review the water supply
- Review the horticultural practices
- Prepare a budget

Implementation

- Commitment from the whole organization
- Manage stakeholder expectations
- Realistic budget
- Implement in stages
- Tell others of what worked or what did not
- Review periodically



Thank you!

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**The More the Merrier: A Comparison of
Membership Programs at Public Gardens**

Stephanie Kuniholm

Early Questions

- What about free-admission gardens?
- Do members join for benefits or to support the garden?
- Do membership programs really make any money?
- Do members become donors of larger gifts?
- What is “success” for a membership program?



Goals

1. Distinguish between different types of membership programs
1. Document the success of membership programs at public gardens
1. Signify the role of membership in fundraising initiatives at public gardens



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Methods

Included Gardens

- American Public Gardens Association members
- Active membership program
- 286 Gardens



Background Study

- June-October 2015
- 286 gardens
- 60 fields of information
 - Contact information
 - Member levels and benefits
 - Admission cost
 - Membership cost



Home Layout Tables Charts SmartArt Formulas Data Review

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W					
1	Name		Admission						University	University	URL	Zip	State	Indiv	Dual	Senior	Student	Family	Grandparer	Club/org	Photograph	Business	Higher	plus	2-year			
2				Price																								
3																												
4	Name	Survey	Admission	Cost	Suggested	Friends	Uni Name	University	URL	Zip	State	Ind Lev	Dual Lev	Sen Lev	Stu Lev	Fam Lev	Grand Lev	Org Lev	Photo Lev	Corp Lev	High Lev	Plus Lev	2 Lev					
58	Lauritzen Gardens	No	Yes	10	No	No	None	No	https://www.lau	68108	NE	y	y	n	n	y	y	n	n	y	y	y	n					
59	Lewis Ginter Botanical Garden	Yes	Yes	12	No	No	None	No	http://www.lew	23228	VA	y	y	y	n	y	n	n	n	n	y	n	n	n				
60	LongHouse Reserve	No	Yes	10	No	No	None	No	https://www.lon	11937	NY	y	y	n	y	n	n	n	n	n	n	y	n	n				
61	Longue Vue House and Gardens	No	Yes	12	No	No	None	No	https://longuevu	70124	LA	y	y	n	n	y	n	n	n	n	n	y	n	n				
62	Longwood Gardens	Yes	Yes	20	No	No	None	No	http://longwood	19348	PA	y	y	n	y	y	n	n	n	n	n	n	y	y	n			
63	Ganna Walksa Lotusland	No	Yes	45	No	No	None	No	http://www.lotu	93108	CA	y	n	n	n	n	y	n	n	n	n	n	y	n	n			
64	Harold L Lyon Arboretum	No	Yes	5	Yes	Yes	University	Yes	http://friendsofh	96822	HI	y	n	y	y	y	y	n	n	n	n	n	n	n	n			
65	Marie Selby Botanical Gardens	No	Yes	19	No	No	None	No	http://selby.org	34236	FL	y	y	n	n	n	y	n	n	n	n	n	y	n	n			
66	Maymont	Yes	Yes	0	No	No	None	No	http://www.may	23220	VA	y	n	y	y	y	n	n	n	n	n	n	n	n	n			
67	McCrory Gardens	Yes	Yes	6	No	No	South Dakc	Yes	http://www.mcc	57007	SD	y	n	n	n	n	y	n	n	n	n	n	y	n	n			
68	McKee Botanical Garden	No	Yes	12	No	No	None	No	http://www.mck	32962	FL	y	n	n	n	n	y	n	y	n	y	y	n	n	n			
69	Meeker Gardens	No	Yes	5	No	Yes	None	No	http://www.mex	98253	WA	y	n	n	n	n	n	n	n	n	n	n	y	n	n			
70	Mendocino Coast Botanical Gardens	No	Yes	14	No	No	None	No	http://www.garc	95437	CA	y	n	y	n	y	n	n	n	n	n	y	y	n	n			
71	Minnesota Landscape Arboretum	Yes	Yes	12	No	No	University	Yes	http://www.arb	55318	MN	y	y	n	n	n	n	n	n	n	n	n	y	y	n			
72	Missouri Botanical Garden	No	Yes	8	No	No	None	No	http://www.misg	63110	MO	y	n	y	n	y	n	n	n	n	n	n	y	y	n			
73	Morris Arboretum of the University of Pennsylvania	Yes	Yes	16	No	No	University	Yes	http://www.busj	19118	PA	y	y	n	n	y	n	y	n	n	n	y	y	n	y			
74	Mounts Botanical Garden	No	Yes	5	No	No	None	No	http://www.mou	33415	FL	y	n	n	n	n	y	n	n	n	n	n	y	n	n			
75	Myriad Gardens Foundation	No	Yes	8	No	No	None	No	http://www.myr	73102	OH	n	n	n	n	y	y	n	n	n	n	n	n	y	n	n		
76	Naples Botanical Garden	Yes	Yes	14.95	No	No	None	No	https://www.naj	34112	FL	y	n	n	n	n	y	n	n	n	n	n	y	y	n	n		
77	New York Botanical Garden	No	Yes	20	No	No	None	No	http://www.nyb	10458	NY	y	y	n	n	n	y	n	n	n	n	n	n	y	n	n		
78	Norfolk Botanical Garden	No	Yes	11	No	No	None	No	http://norfolkbg	23518	VA	y	n	n	y	n	y	n	n	n	n	n	n	n	y	n	n	
79	Olbrich Botanical Gardens	Yes	Yes	2	No	No	None	No	http://www.olbr	53704	WI	y	n	n	n	n	y	n	n	n	n	n	n	y	y	n		
80	Old Westbury Gardens	Yes	Yes	10	No	No	None	No	https://www.old	11568	NY	y	n	n	n	n	y	n	n	n	n	n	n	n	n	n		
81	The Oregon Garden	Yes	Yes	11	No	No	None	No	http://www.oreg	97381	OR	y	y	n	n	n	y	n	n	n	y	y	y	n	n	n		
82	Peckerwood Garden	No	Yes	10	No	No	None	No	http://www.pec	77445	TX	y	n	y	y	y	y	n	n	n	n	n	n	y	n	n		
83	Phipps Conservatory and Botanical Gardens	Yes	Yes	15	No	No	None	No	https://phippsc	15213	PA	y	y	y	y	y	y	n	n	n	n	n	n	y	y	n		
84	Polly Hill Arboretum	Yes	Yes	5	Yes	No	None	No	http://www.poli	2575	MA	y	n	n	n	n	y	n	n	n	n	n	n	y	y	n		
85	Powell Gardens	Yes	Yes	9	No	No	None	No	https://www.pog	64061	MO	n	y	n	n	n	y	n	n	n	n	n	n	y	n	n		
86	Quad City Botanical Center	Yes	Yes	6	No	No	None	No	http://www.qcc	61201	IL	y	y	n	n	y	y	n	n	n	n	n	y	y	y	n		
87	Quarryhill Botanical Garden	No	Yes	10	No	No	None	No	http://www.qua	95442	CA	y	n	n	n	y	y	n	n	n	n	n	n	y	n	n		
88	Queens Botanical Garden	No	Yes	4	No	No	None	No	http://www.que	11355	NY	y	y	y	n	n	n	n	n	n	n	n	n	y	n	n		
89	Rancho Santa Ana Botanic Garden	No	Yes	8	No	No	None	No	http://www.rsab	91711	CA	y	n	n	n	n	y	n	n	n	n	n	n	n	y	n	n	
90	Red Butte Garden	Yes	Yes	10	No	No	University	Yes	http://www.redb	84108	UT	y	y	n	n	n	y	n	n	n	n	n	n	y	n	n		
91	Reiman Gardens	Yes	Yes	8	No	No	Iowa State	Yes	http://www.reim	50011	IA	n	n	n	n	n	n	n	n	n	n	n	n	y	n	n		
92	Rhododendron Species Botanical Garden	No	Yes	8	No	No	None	No	http://rhodygarc	98063	WA	y	n	n	n	y	y	n	n	n	n	n	n	y	y	n	n	
93	Rotary Botanical Gardens	No	Yes	7	No	No	None	No	http://rotarybot	53545	WI	y	n	n	n	n	y	n	n	n	n	n	n	n	y	y	n	
94	San Antonio Botanical Garden	No	Yes	10	No	No	None	No	http://www.sabg	78209	TX	y	n	n	n	n	y	n	n	n	n	n	n	n	y	n	n	
95	San Diego Botanic Garden	Yes	Yes	14	No	No	None	No	http://www.sdbg	92024	CA	y	n	n	y	y	y	n	n	n	n	n	n	n	n	y	n	n

Survey

- Emailed to 286 Gardens
- 125 responses (44%)
- Questions:
 - Revenue and expense
 - Staff
 - Acquisition
 - Renewal and retention



Analysis

- Cost
 - Charge admission
 - Free
- Size (operating budget)
 - Small (under \$1 million)
 - Medium (between \$1 and \$2.499 million)
 - Large (above \$2.5 million)
- Governance
 - Independent
 - University
 - State/Local government



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Results:

Differences between membership programs

Cost

- Number of memberships
- Cost of lowest-level membership
- **Member retention rates**



Cost: Member Retention Rates

Mean estimated member retention rate in percent for gardens based on cost, size, and governance.

*Levels not connected by the same letter are significantly different.

Type		Retention rate		Tukey-Kramer HSD*
All Gardens		71.59		-
Cost	No admission	75.70	F = 6.588 p = 0.012	-
	Yes admission	68.57		-
Size	Small	74.12	F = 4.506 p = 0.014	A
	Medium	75.85		A
	Large	65.09		B
Governance	University	73.88	F = 0.999 p = 0.373	-
	Independent	70.86		-
	Municipal	67.04		-

Size

- Operating budget
- Total garden FTE
- FTE dedicated to membership
- Garden visitation
- Cost of admission
- Number of memberships
- Cost to administer membership program
- Cost of lowest-level membership
- **Member retention rate**



Size: Member Retention Rates

Mean estimated member retention rate in percent for gardens based on cost, size, and governance. *Levels not connected by the same letter are significantly different.

Type		Retention rate		Tukey-Kramer HSD*
All Gardens		71.59		-
Cost	No admission	75.70	F = 6.588	-
	Yes admission	68.57	p = 0.012	-
Size	Small	74.12	F = 4.506	A
	Medium	75.85	p = 0.014	A
	Large	65.09		B
Governance	University	73.88	F = 0.999	-
	Independent	70.86	p = 0.373	-
	Municipal	67.04		-

Governance

- **Garden visitation**
- Types of memberships offered
- Cost of lowest level membership



Governance: Visitation

Mean estimated annual visitation for gardens based on cost, size, and governance.

*Levels not connected by the same letter are significantly different.

Type		Mean annual visitation		Tukey-Kramer HSD*
All Gardens		160,657		-
Cost	No Admission	173,687	F = 0.154 p = 0.695	-
	Yes Admission	152,717		-
Size	Small	38,151	F = 23.015 p < .0001	B
	Medium	99,478		B
	Large	311,140		A
Governance	Independent	105,003	F = 3.102 p = 0.050	A
	University	120,125		A B
	Municipal	257,677		B

THE LONGWOOD GRADUATE PROGRAM IN PUBLIC HORTICULTURE

Results:

Success of membership programs

Success?

- Revenue?
- Number of members?
- Member retention rates?
- Visitor - member conversion?



THE LONGWOOD GRADUATE PROGRAM IN PUBLIC HORTICULTURE

Results:

Role of membership programs

Role of Membership

- Generate revenue
- Engage with prospective donors
- Connect people to mission



Special Thanks

Beth Anderson,
Cornell Plantations

Armand Battisti,
*Senior Advisor and Instructor in
Philanthropy*

Thomas Ilvento, PhD
University of Delaware

Brian Trader, PhD,
*Longwood Gardens &
University of Delaware*



**THE LONGWOOD
GRADUATE PROGRAM IN
PUBLIC HORTICULTURE**

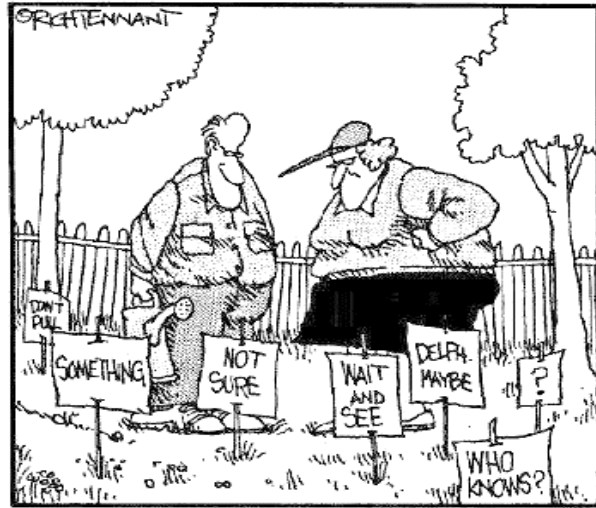
Questions

The Verification of Identity in the Living Collections of North American Public Gardens

Ben Stormes

Cornell Plantations Graduate Fellow

Cornell University



"That should do it."

Presentation Overview

- What is verification of identity, and why is it important?
- What did this study aimed to address?
- How were the study questions answered?
- What did the study reveal?
- Where do we go from here?



What is verification of identity?

The process of identity verification involves observing the morphological or genealogical characteristics of the individual plant in question, and assessing if they match those of a known plant taxon to which it can be linked.



On *Aster*

“I can’t tell what are species and how to define any of them...I was never so boggled....If you hear of my breaking down utterly, and being sent to an asylum, you may lay it to *Aster*, which is a slow and fatal poison.” -

Why is verification of identity important?

Financial Responsibility

- A tremendous amount of time and money are spent building and maintaining our living collections, but are they “fit for purpose?”



Institutional Integrity

- Our collections are the basis of our programming. As living museums, we are entrusted with stewarding our collections for the public good



Plant Conservation Efforts

- Public gardens are poised to be leaders in addressing the threats to global plant diversity



BGCI

Current Status of Verification

- Globally 32% of living accessions reported to be of verified identity
- In the North American context, this figure drops to an alarming 11% of living accessions

- Aplin, 2014



What did this study aimed to address?

- To confirm the current status of verification of identity in the living collections of North American public gardens
- To identify characteristics of successful verification projects, and the institutional context in which these programs are currently taking place
- To develop a set of recommendations North American public gardens can use to enhance current verification programs

Study Methodology

Online Survey

American Public Gardens Association - Professional Sections

Botanical Gardens Conservation International - GardenSearch

AABGACOL Listserve

Case Study Interviews

Boyce Tankersley - Chicago Botanic Garden

Cindy Newlander, Elaine Lockey & Jen Toews - Denver Botanic Gardens

Amy Highland - Mt. Cuba Center

Alex Henderson - Royal Botanical Gardens, Ontario

Laura Caddy - University of Alberta Devonian Botanic Garden

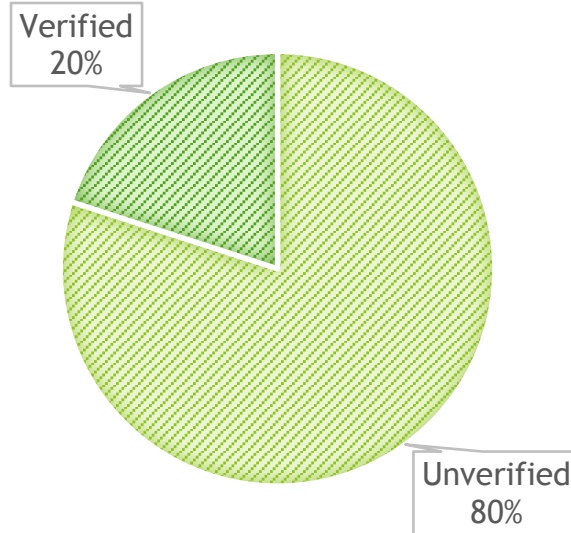
Updated Status of Verifications

Survey respondents collections profile data indicate that 20% of reported accessions were verified.

This figure suggests we may be in a stronger position than reported by Aplin, who's study suggested 11% of accessions were verified for the North America data subset.

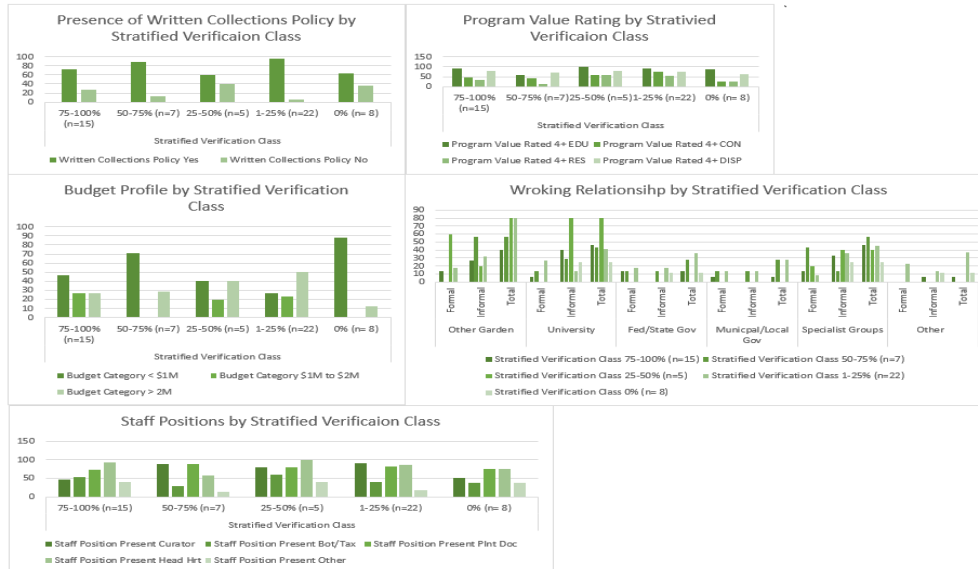
North American public gardens still fall short of the global average of 32% of accessions verified reported by Aplin.

LIVING ACCESSIONS OF VERIFIED IDENTITY



Characteristics by Stratified Verification Class

- Stratified verification class analysis showed that no single characteristic surveyed for was correlated to higher levels of verification
- This was consistent for institutional profile characteristics, collections profile characteristics, and policy & documentation characteristics



No news IS good news, sometimes.....

There is no single “recipe” for
successful verification projects.

It is as likely to happen in your
garden as it is at any other.....



Where do we go from here?

- Value the living collections, and communicate this value widely
- Build external working relationships to utilize existing expertise
- Establish a hierarchy for confidence in verifications (ITF)
- Have confidence in performing verifications internally within your collections



Thank you to...



- Committee
 - Dr. Don Rakow, Cornell University
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- Abby Hird & Botanical Gardens Conservation International
- Case Study Interview Participants
 - Chicago Botanic Garden
 - Denver Botanic Garden
 - Mt. Cuba Center
 - Royal Botanical Garden, Ontario
 - University of Alberta Devonian Botanic Garden
- Survey Participants