



SCWP Community Garden Stormwater Capture Investigation - Findings

Upper San Gabriel River Watershed

WSP & LACGC

USGR Watershed Area Steering Committee Meeting – August 22, 2024



Purpose and Outcome

Community Garden Stormwater Capture Investigation

Scientific Study funded by the Safe, Clean Water (SCW) Program aimed to do the following:



SCW Program goals (achieving stormwater management goals with community benefits)



Case studies identifying community gardens with the potential to be used for stormwater capture

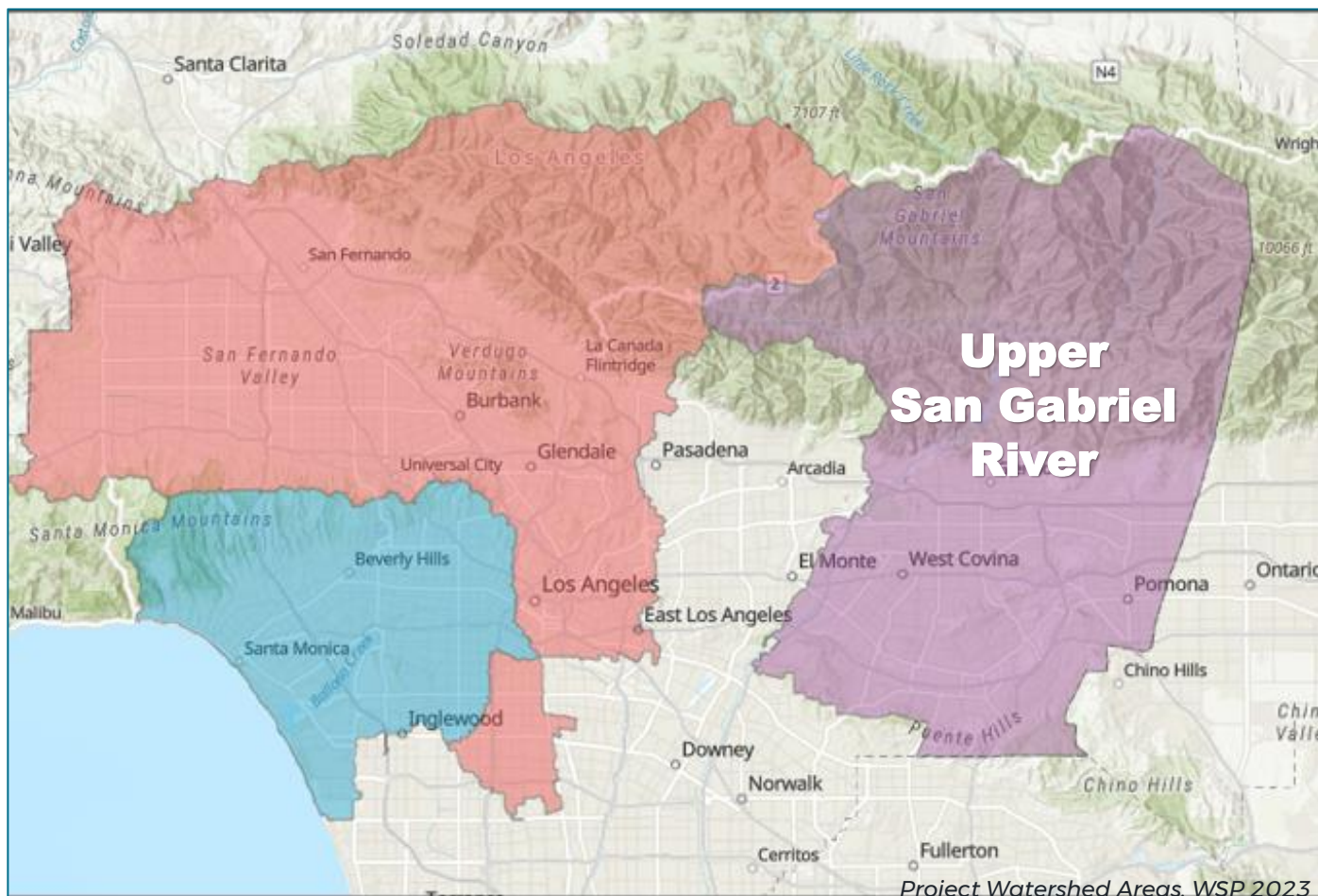


Los Angeles Community Garden Council image



Project Objective

SCW Program funded the study in **three (3) watershed areas.***



Identify Opportunity Gardens – within the designated watersheds

Select Gardens – Develop criteria for selection

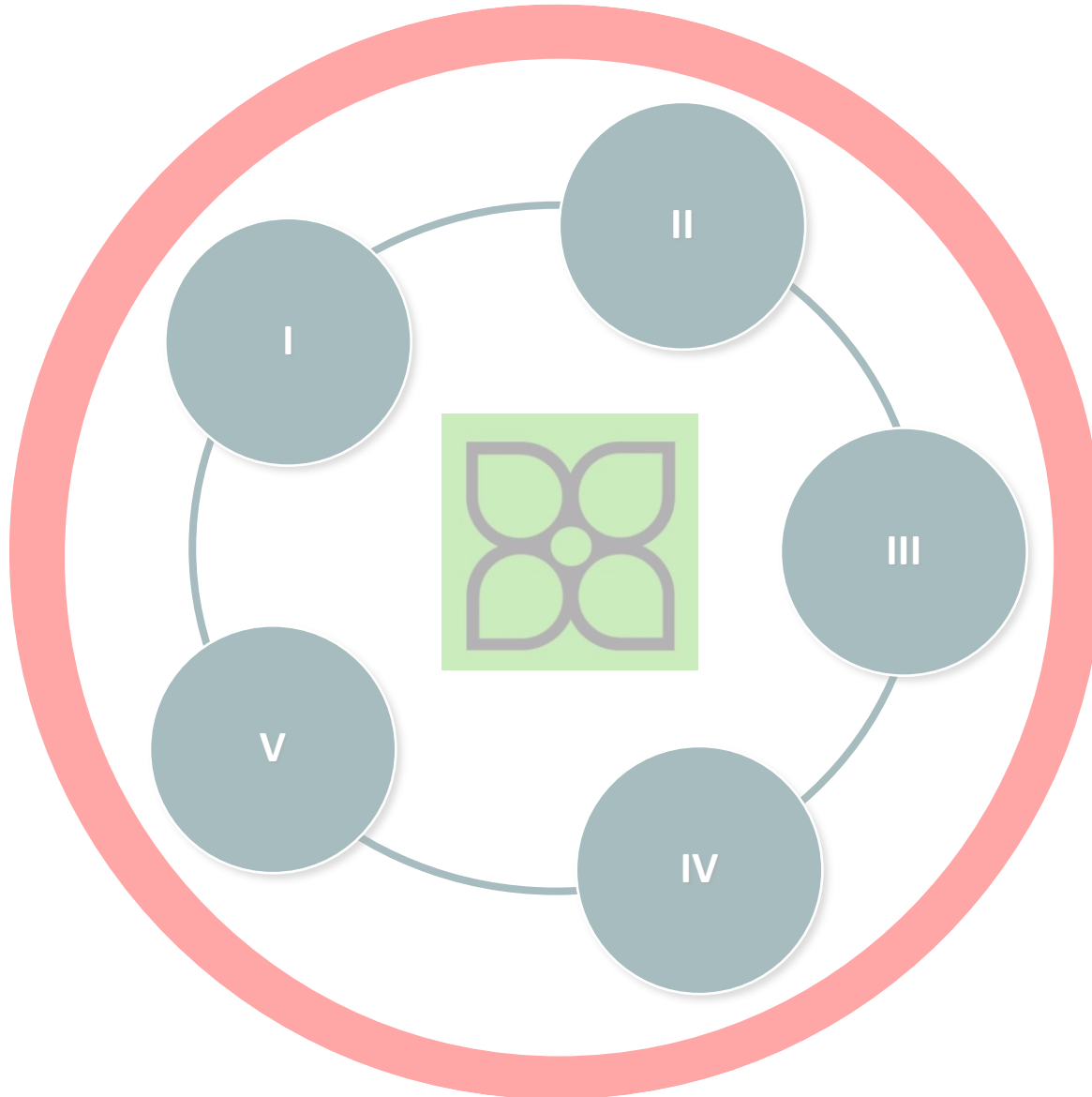
Objectives

- Identify conditions for potential stormwater capture
- Engage with gardeners to understand potential needs & opportunities

*Watershed areas as identified and funded by the program



Project Phases

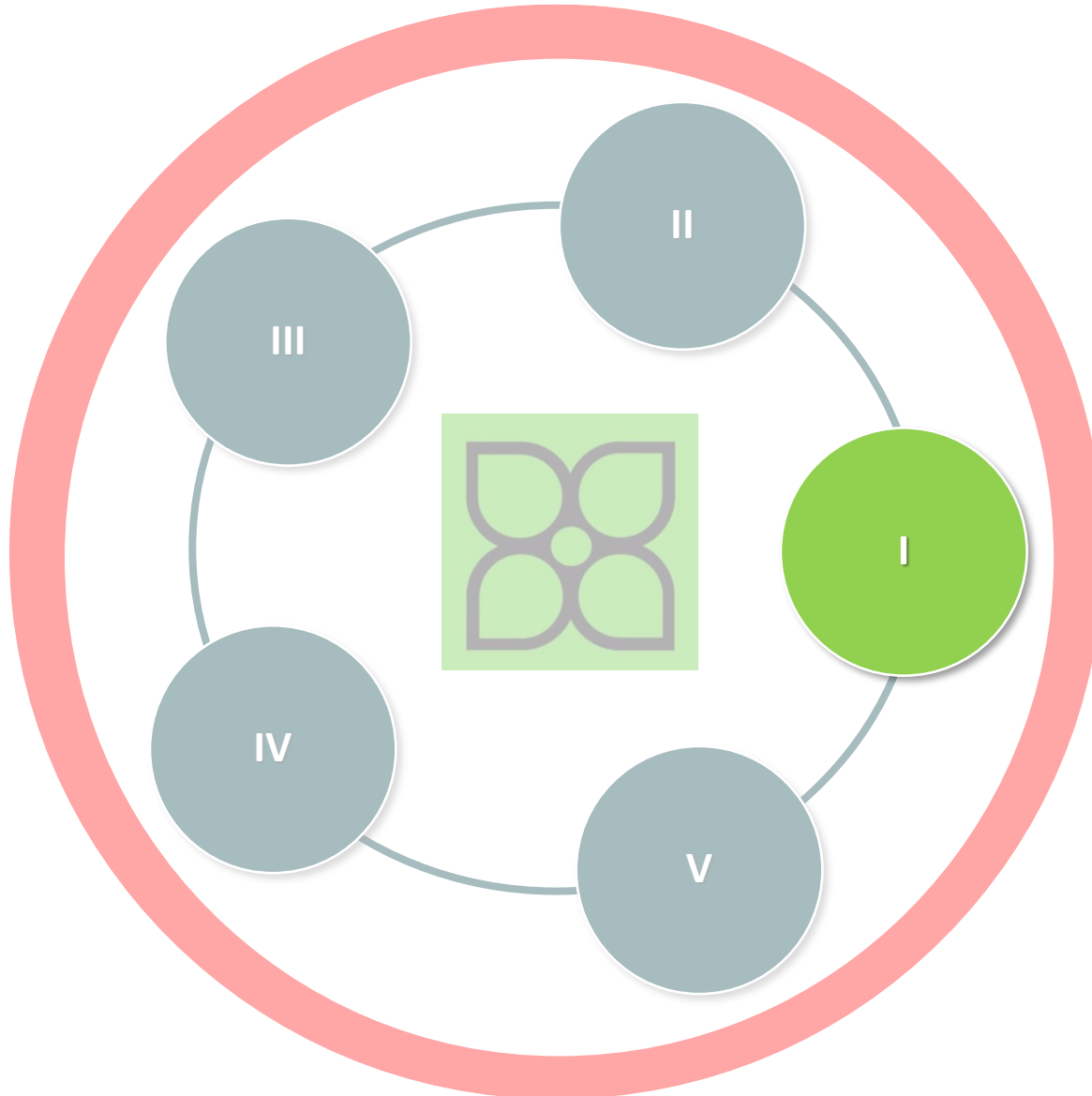


Phases

1. **Identify**- existing community gardens and gather publicly available/relevant data
2. **Filter** – Developed screening criteria, using previously collected data for initial site selection process.
3. **Refine** – Using further analysis and continued engagement.
4. **Collaborate (Site-Visits)** –To identify additional limitations /opportunities.
5. **Summarize** – Report, Fact Sheet, renderings.



Project Phase I – Identify & Early Engagement



I : Identify

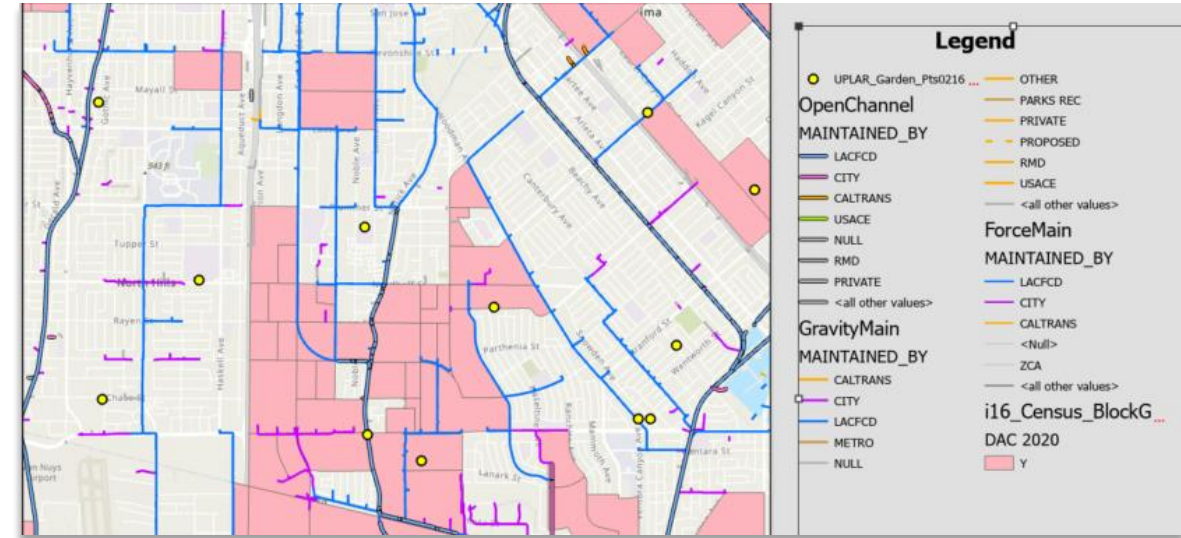
Identify existing Community Gardens

- Identified existing Community Gardens, gathered publicly available/relevant data
- Matrix Development
 - Water Related Data
 - Soil Data
 - Land Use Data
 - Disadvantaged Communities (DAC)
- Initial contact with gardens for info sessions



Project Phase I – Identify & Early Engagement

Data Sources



Project Watershed Areas, WSP 2023



Natural Resources Conservation Service
U.S. DEPARTMENT OF AGRICULTURE



Project Phase I – Identify & Early Engagement

MATRIX OF PUBLICLY AVAILABLE DATA

	A	B	C	D	H	J	K	L	M	N	O	P	Q	R	S	T
1	Upper Los Angeles River Gardens															
2	Object ID	Name	Address	Type	Website	City	State	Zip	Unincorporated	Jurisdiction	DAC	Watershed	B118 Groundwater Basin	Dwp Water Basin	LACSIS Proximity (ft)	Open Channel
9	44	Pueblo De Los Angeles Contin	2506 ALTA ST	School Garden	https://pdla-la.usd	Los Angeles	CA	90031	NO	LOS ANGELES	Yes	Upper Los Anj	<Null>	CENTRAL BASIN	Intersect	LOS ANGELES
10	46	Glendale Unified School Distric	223 North Jackson Stre	School Garden	https://www.gusd	Glendale	CA	91206	NO	GLENDAL	Yes	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS 50 or less		LOS ANGELES
19	64	Verdugo Park Community Garde	1621 Canada Boulevard	Community Garden		Verdugo Park Comn	Glendale	CA	91208	NO	GLENDAL	No	Upper Los Anj	SAN FERNANDO VALLEY	VERDUGO BASIN 50 or less	VERDUGO W
20	103	Parkman Gardens	20800 Burbank Boulevard	Community Garden		Woodland Hills	CA	91367	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS 50 or less		BI 0112
24	111	Carpenter Community Charter	3909 Carpenter Avenue	School Garden	https://ccc-k12-pt.s	Studio City	CA	91604	NO	LOS ANGELES	No	Upper Los Anj	<Null>	SAN FERNANDO BAS Intersect		LOS ANGELES
25	115	William Mulholland Middle Sch	17120 Vanowen St.	School Garden	https://ediblescho	Lake Balboa	CA	91406	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS Intersect		LOS ANGELES
26	156	Eagle Rockdale Community Garc	1003 Rockdale Avenue	Community Garden		Los Angeles	CA	90041	NO	LOS ANGELES	No	Upper Los Anj	<Null>	EAGLE ROCK BASIN 50 or less		LOS ANGELES
29	184	Geneva Gardens	626 Geneva Street	Community Garden		Glendale	CA	91206	NO	GLENDAL	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS 50 - 100		VERDUGO W
33	185	Glassell Park Community Garde	3304 Drew Street	Community Garden		Los Angeles	CA	90065	NO	LOS ANGELES	Yes	Upper Los Anj	SAN FERNANDO VALLEY	<Null>	50 - 100	LOS ANGELES
34	187	Granada Hills Salad Bowl Gard	16003 Rinaldi Street	Community Garden		Granada Hills	CA	91344	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS 50 or less		BULL CREEK
35	263	Palmer Park Community Garden	610 E. Palmer Avenue	Community Garden	https://www.faceb	Glendale	CA	91205	NO	GLENDAL	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS Intersect		LOS ANGELES
40	265	Orcutt Ranch Horticultural Cente	23600 Roscoe Boulevard	Community Garden	https://www.lapar	West Hills	CA	91304	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS Intersect		DAYTON CREE
41	272	Patton Street Community Garder	303 Patton Street	Community Garden	https://www.weon	Los Angeles	CA	90026	NO	LOS ANGELES	Yes	Upper Los Anj	<Null>	<Null>	50 or less	LOS ANGELES
42	299	Sepulveda Garden Center	16633 Magnolia Boule	Community Garden	https://www.lapar	Encino	CA	91316	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS Intersect		LOS ANGELES
46	340	Fox & Laurel Park And Communit	14353 Fox Street	Community Garden	https://www.lapar	Pacoima	CA	91340	NO	LOS ANGELES	Yes	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS 50 or less		EAST CYN CHA
51	408	El Cariso Park Community Garde	13100 Hubbard St.	Community Garden		Sylmar	CA	91342	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	SYLMAR BASIN 50 or less		LOS ANGELES
64	474	Riverside Drive Charter	13061 Riverside Drive	School Garden	https://www.rivers	Sherman Oaks	CA	91423	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS 50 or less		LOS ANGELES
67	502	Sylmar High	13050 Borden Ave.	School Garden	https://www.sylma	Sylmar	CA	91342	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	SYLMAR BASIN 50 or less		WILSON CAN
68	514	Walt Disney Elementary	1220 West Orange Ave	School Garden	https://www.burba	Burbank	CA	91506	NO	BURBANK	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS 50 or less		LOS ANGELES
70	567	Jefferson Elementary-Glendale	1540 Fifth Street	School Garden	https://www.gusd	Glendale	CA	91201	NO	GLENDAL	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS 50 or less		LOS ANGELES
72	621	Aldama Elementary	632 North Avenue 50	School Garden	https://aldamaes	Los Angeles	CA	90042	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	<Null>	Intersect	ARROYO SECC
80	661	Atwater Avenue Elementary Schi	3271 Silver Lake Blvd.	School Garden	https://atwater-lai	Los Angeles	CA	90039	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS 50 or less		LOS ANGELES
81	678	Eagle Rock Elementary	2057 Fair Park Ave	School Garden	https://storymaps	Los Angeles	CA	90041	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	EAGLE ROCK BASIN 50 or less		LOS ANGELES
82	680	Eagle Rock Junior/Senior High S	1750 Yosemite Drive	School Garden	https://erhs.la/	Los Angeles	CA	90041	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	EAGLE ROCK BASIN Intersect		LOS ANGELES
84	692	Rockdale Elementary School	1303 Yosemite Drive	School Garden	https://rockdalees	Los Angeles	CA	90041	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	EAGLE ROCK BASIN Intersect		LOS ANGELES
86	695	Kester Avenue Elementary Scho	5353 Kester Ave.	School Garden	https://kestereler	Los Angeles	CA	91411	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS 50 - 100		LOS ANGELES
91	706	Luther Burbank Middle School	6460 N Figueroa St	School Garden	https://www.lbmsl	Los Angeles	CA	90042	NO	LOS ANGELES	Yes	Upper Los Anj	<Null>	<Null>	Intersect	ARROYO SECC
98	746	Delevan Drive Elementary	4168 W Avenue 42	School Garden	https://www.delev	Los Angeles	CA	90065	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	<Null>	Intersect	LOS ANGELES
102	752	Toluca Lake Elementary School	4840 Cahuenga Blvd	School Garden	https://www.toluca	North Hollywood	CA	91601	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS 50 or less		LOS ANGELES
104	756	Van Nuys Middle School	5435 Vesper Ave.	School Garden	https://www.vannu	Sherman Oaks	CA	91411	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS 50 or less		LOS ANGELES
108	767	Atwater Park Center For Childre	3370 Perlita Ave	School Garden	http://www.atwat	Los Angeles	CA	90039	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS 50 or less		LOS ANGELES
109	776	Second Street Elementary Schoo	1942 E. Second St.	School Garden	https://2ndstes-la	Los Angeles	CA	90033	NO	LOS ANGELES	No	Upper Los Anj	COASTAL PLAIN OF LOS ANG	CENTRAL BASIN Intersect		LOS ANGELES
111	782	Luther Burbank Middle	3700 W Jeffries Ave	School Garden	https://www.burba	Burbank	CA	91505	NO	BURBANK	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS 50 or less		LOS ANGELES
117	807	Vista Hermosa Gardens	15040 Roscoe Blvd.	School Garden	-	Panorama City	CA	91402	NO	LOS ANGELES	Yes	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS 50 - 100		PACOIMA WA
119	822	Arroyo Vista Elementary School	335 El Centro Street	School Garden	https://arroyo.spus	South Pasadena	CA	91030	NO	SOUTH PASADI	No	Upper Los Anj	SAN GABRIEL VALLEY	<Null>	50 or less	ARROYO SECC
121	836	Woodcrest Elementary	1151 W 109TH ST	School Garden	https://woodcrest	Los Angeles	CA	90044	YES	<Null>	Yes	Upper Los Anj	COASTAL PLAIN OF LOS ANG	CENTRAL BASIN 50 or less		COMPTON CR
134	880	Network For A Healthy Californi	6651-C Balboa Blvd.	School Garden	-	Van Nuys	CA	91406	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS Intersect		BULL CREEK
158	998	N. K. Orchids	13533 Terra Bella St.	Farm	-	Arcadia	CA	91331	NO	LOS ANGELES	No	Upper Los Anj	SAN FERNANDO VALLEY	SAN FERNANDO BAS 50 or less		PACOIMA DIV
201																

Project Phase I – Identify & Early Engagement



¡Emocionante oportunidad para su jardín comunitario!

Los Angeles Community Garden Council recibió fondos a través de la Medida W del Condado de Los Angeles - Programa de Agua Limpia y Segura para realizar tres investigaciones de cuencas hidrográficas, conocidas colectivamente como el Proyecto de Investigación de Captura de Aguas Pluviales de Jardines Comunitarios. La Investigación identificará y evaluará el potencial de los jardines comunitarios para implementar las mejores prácticas de gestión de aguas pluviales. La Investigación dará como resultado diseños conceptuales de captura de aguas pluviales para tres (3) jardines comunitarios, uno para cada cuenca. Estos diseños se pueden usar para solicitar la financiación de subvenciones propias de los jardines para apoyar la obtención de permisos y la implementación.

¿Interesado en aprender más? Regístrese para asistir a una de estas sesiones informativas:

Sesión 1 - Viernes, 14 de julio a las 10:00 am
Enlace de registro: <https://us06web.zoom.us/join/zoom/register/tZ0vf--sqj8rH9zos0IK-D02D3nC2fQnM7o>

Sesión 2 - Miércoles 19 de julio a las 18:00
Enlace de registro: https://us06web.zoom.us/join/zoom/register/tZEuc-mtqz0rG9IZPHI_BVVsI9TQB_iHR7z

Si tiene preguntas o desea obtener más información, comuníquese con el Gerente de Proyecto, Kayla Kelly-Slatten en kayla@kksstrategies.com.

Exciting Opportunity for your Community Garden!

The Los Angeles Community Garden Council was awarded funding through the Los Angeles County Measure W - Safe Clean Water Program to conduct three watershed investigations, known collectively as the Community Garden Stormwater Capture Investigation Project. The Investigation will identify and assess the potential for community gardens to implement stormwater best management practices. The Investigation will result in conceptual stormwater capture designs for three (3) community gardens, one for each watershed. These designs can then be used to apply for the gardens' own grant funding to support permitting and implementation.

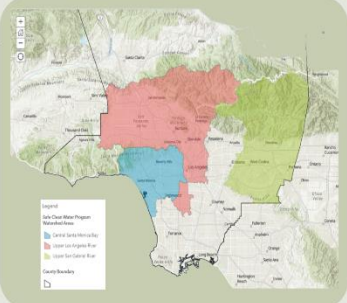
Spring 2023 - Winter 2024

If you have questions or would like more information, please reach out to the Project Manager, Kayla Kelly-Slatten at kayla@kksstrategies.com.

Community garden is interested in learning more about the project and how to get involved, contact one of the following information sessions:

Session 1 Date:
Session 1 Registration Link:

Session 2 Date:
Session 2 Registration Link:



Phase 1

Phase III

Phase IV

-Information Sessions

Flyers developed and distributed to contacts and sessions were held to introduce the project and foster interest.

-Interest Forms

Gauged interest and begin to collect general information about the gardens.

-Continued Conversations

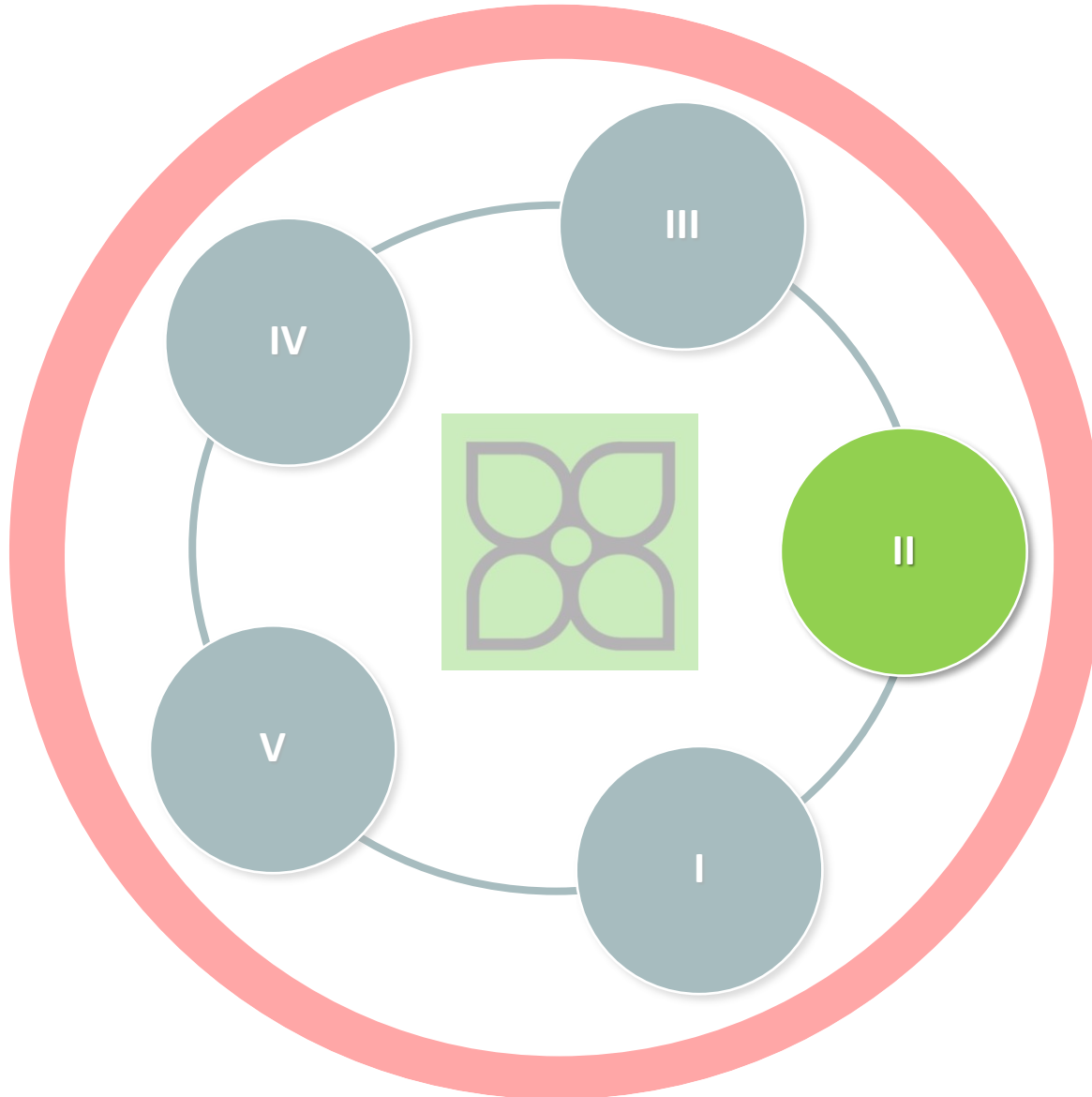
One on one sessions were held.

-Scheduled Site Visits

To continue assessing the site and understand garden needs.



Project Phase II - Filter



II : Filter

Develop Criteria

- Used data previously collected for the matrix to develop screening criteria for the selection process.
- Initial screening criteria
- Secondary screening criteria, if needed.



Project Phase II - Filter

INITIAL LIST OF CRITERIA USED TO FILTER GARDEN SITES

Based on publicly available data collected during identification phase.

CRITERION	DEFINITION	FILTER
Type	Type of Garden	Is the garden classified as a Community Garden, Farm, or School Garden
LACSDS Proximity (ft)	Proximity to existing drainage infrastructure (ft)	Site in proximity of 100 feet or less of a LA County Storm Drain
Estimated Average Well Depth	Estimated Average Well Depth depending on wells within 3 miles form site.	Sites with an average well depth of 10 ft or more
WMP/EWMP	Falls within an Enhanced Watershed Management Plan (EWMP)?	YES
Hydrologic Group - Dominant Condition	Natural Resources Conservation Service (NRCS) Hydrologic Group - Dominant Condition	Garden site is either: Null, A, B (Null = site is primarily categorized as urban land, and actual soil characteristics may vary)
NRCS drainage Class	NRCS Drainage Class is well drained (to help with the null of the Hydrologic group)	Filtered to only show sites considered " well drained "
Agency Type	Agency type created to help sort the various agency name (owners) into categories for filtering.	Filtered to only show type is either municipality, Null, County, or School district . Most community gardens fall withing one of these categories.
Impaired Water Body Or Watershed	is in an impaired water body or watershed	is in an impaired water body or watershed



Project Phase II - Filter

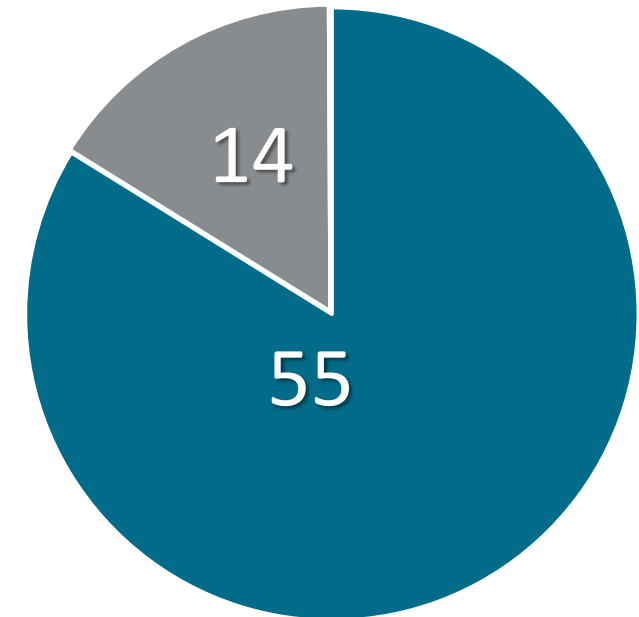
Site Name	Type	City	DAC Status
Los Altos Elementary	School Garden	Hacienda Heights	No
Royal Oaks Elementary	School Garden	Duarte	No
Rowland Avenue Elementary School	School Garden	West Covina	No
Diamond Bar Community Garden	Community Garden	Diamond Bar	No
Memorial Park Community Garden	Community Garden	Azusa	No
Options Headstart - Puente	School Garden	La Puente	No
Walnut Grove	School Garden	West Covina	No
Monte Vista School	School Garden	West Covina	No
Powell Elementary School	School Garden	Azusa	Yes
Nelson Elementary	School Garden	La Puente	No
Del Valle Elementary School	School Garden	La Puente	Yes
Las Palmas Elementary	School Garden	Covina	No
The Farm At Fairplex	Farm	Pomona	No
-	Farm	Hacienda Heights	No

Initial Screening Process

USGR screening results:

25% of gardens were filtered using the criteria

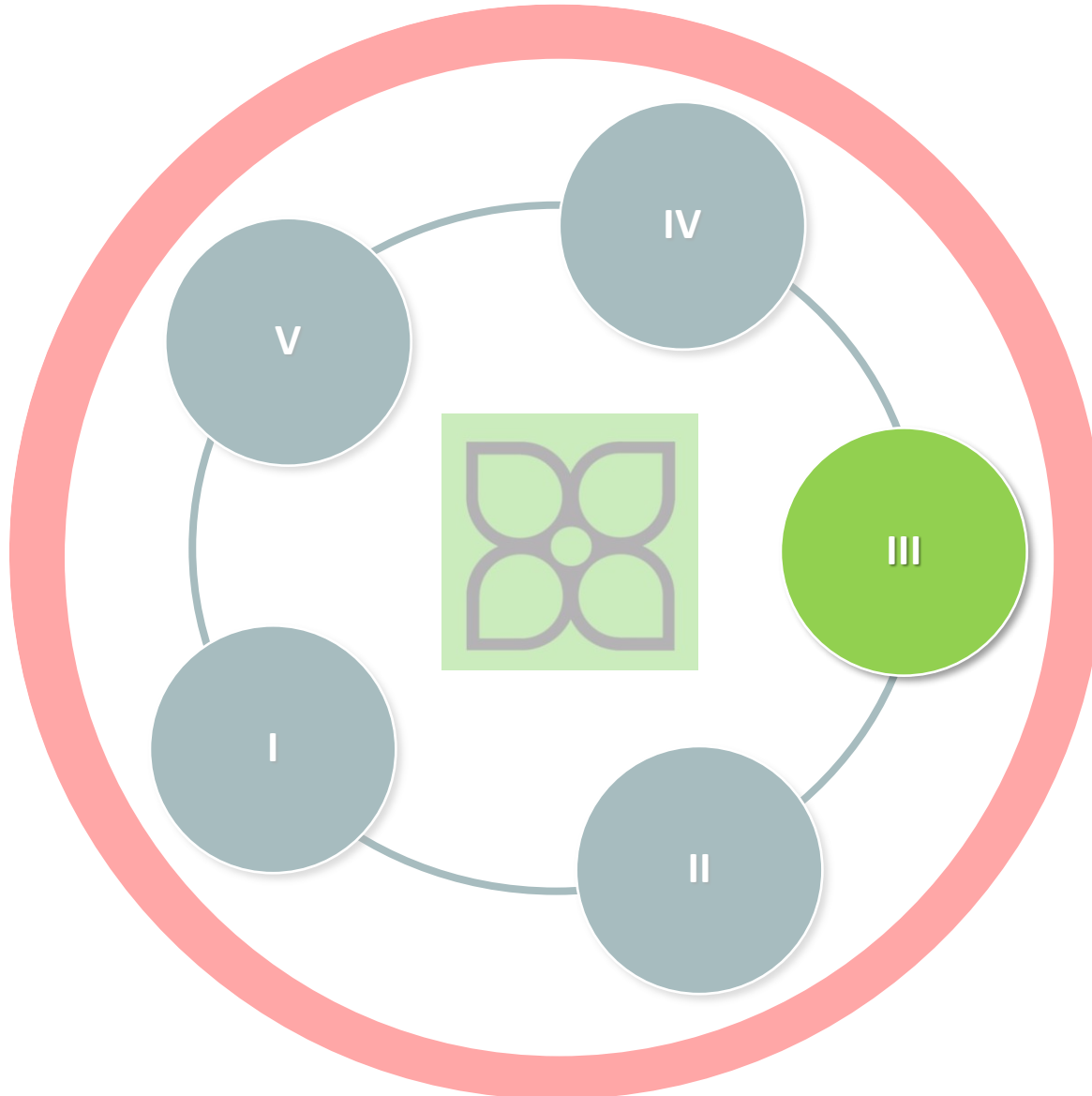
Top 14 sites were selected for further analysis.



of Garden Sites filtered



Project Phase III – Refine



III : Refine

Selected Gardens

- Gardens that were vetted by the screening criteria were further analyzed. We aimed for **Ten (10) Gardens per watershed.**
- Continued efforts to engage with the gardens to identify sites willing to participate.



Project Phase III – Refine

Best Management Practices (BMPs)	Potential Locations
Infiltration Basins	-
Detention Basins	-
Detention w/ SSF Wetlands	-
Constructed SF Wetlands	-
Underground Storage/tanks	On site under garden beds
Hydrodynamic Separators	On site if drainage inlets exist on sight
Channel Naturalization	-
Rainwater Harvesting Cisterns - By the building/underground	By building/underground
Bioretention Cells - On site	On site
Vegetated Swales	Perimeter of garden and park area
Green Roofs	On roof of structures
Porous/ Permeable Pavements	Parking space and walkways.
Gross-Solids Removal Devices (GSRDs)	-
Media Filters	-
Catch Basin Inserts	-

List of **Best Management Practices (BMPs)** considered for each site.

This included Regional and Distributed BMPs and potential locations were identified prior to site visit. During the site visits opportunities, constraints, and BMP placement was discussed.

Mostly distributed BMPs that service the garden were recommended due to limited knowledge of the larger parcels that the gardens are located on.



Project Phase III – Refine

Desktop Study:

identify site characteristics for the feasibility and placement of a stormwater capture BMPs.

One on One Engagement:

Verify the gardens are still active and location within the parcel.

Are they interested in participating?

Additional needs?

Prep for site visit.





Project Phase III – Refine



Name of Garden	Watershed	Date/Time of Meeting	Project Team Attendees	Video Conference Link	Thank You Sent?
Eagle Rockdale Community Garden	UPLAR	Wednesday, Oct. 4 @ 10:30am		https://us06web.zoom.us/j/83277965662?pwd=62SjuKl6xcOOEablZku99mlAHaKZq.1	
El Cariso	UPLAR	Tuesday, Sept. 26 @ 10:30am	Kayla, Gabriela, Cyndi	https://us06web.zoom.us/j/83543468016?pwd=112CylFskTwx5wvS4Fb6YWAgnG2ihG.1	yes
Glassell Park Community Garden	UPLAR	Friday, Sept. 22 @ 10am	Kayla, Gabriela	https://us06web.zoom.us/j/81080595007?pwd=rNIEkx3w1RENWB0TeUVxvoYvOUMMd.1	yes
Granada Hills Salad Bowl Garden Club	UPLAR	Friday, Oct. 6 @ 1:30pm	Kayla, Gabriela, Cyndi	https://us06web.zoom.us/j/86570026466?pwd=05tTquSvVOF53TWuhr6QSZCYEAGrzB.1	yes
Jefferson Elementary	UPLAR	Friday, Oct. 6 @ 2:45pm	Kayla, Gabriela, Cyndi	https://us06web.zoom.us/j/86556593767?pwd=2UtyespgmJqS4gUy7XVSiVH7CYcvA.1	yes
Parkman Community Garden	UPLAR	Monday, Sept. 18 @ 5pm	Kayla, Gabriela	https://us06web.zoom.us/j/87263837076?pwd=bl0jyN1dP8rFWFxZnmDhM4ycKBCN1.1	yes
East Hollywood Community Garden	CSMB	Thursday, Sept. 28 @ 4:30pm	Kayla, Gabriela	https://meet.google.com/exz-fwyo-vru	yes
Mar Vista Community Garden	CSMB	Thursday, Sept. 28 @ 3pm	Kayla, Gabriela, Cyndi	https://us06web.zoom.us/j/82651235846?pwd=11Rbcut0yOpzhMvdJB6zym9XLAHd3U.1	yes
Santa Monica Park Drive and Main Street	CSMB	Tuesday, Sept. 19 @ 3pm	Kayla, Gabriela	https://us06web.zoom.us/j/87237040424?pwd=5GvTAaal2HvFT8Bs2seAKrdAQXemn4.1	yes
Venice Learning Garden	CSMB	Monday, Oct. 2 @ 11am	Kayla, Gabriela	https://us06web.zoom.us/j/84659429474?pwd=YZ1CyEWXvbnbl5EjQVixyHD7bA1Rx8.1	yes
Wattles Farm	CSMB	Friday, Sept. 29 @ 1pm	Kayla, Gabriela, Cyndi	https://us06web.zoom.us/j/81465477619?pwd=TcOdCSHqGbjk6OuSaJMTWcB6QOFXl.1	yes
Greystone Mansion Demonstration Garden	CSMB	Friday, Oct. 6 @ 3:30pm	Kayla, Gabriela	https://us06web.zoom.us/j/85253915493?pwd=KSdWb17uUWLLpBfDsMRBaVnId4cesD.1	yes

Phase I

Phase III

Phase IV

-Information Sessions

Flyer developed and distributed to contacts and sessions were held to introduce the project and foster interest.

-Interest Forms

Gauge interest and begin to collect general information about the gardens.

-Continued Conversations

One on one sessions held.

-Scheduled Site Visits

Continue assessing the site and understand garden needs.



Project Phase III – Refine

USGR selection results:

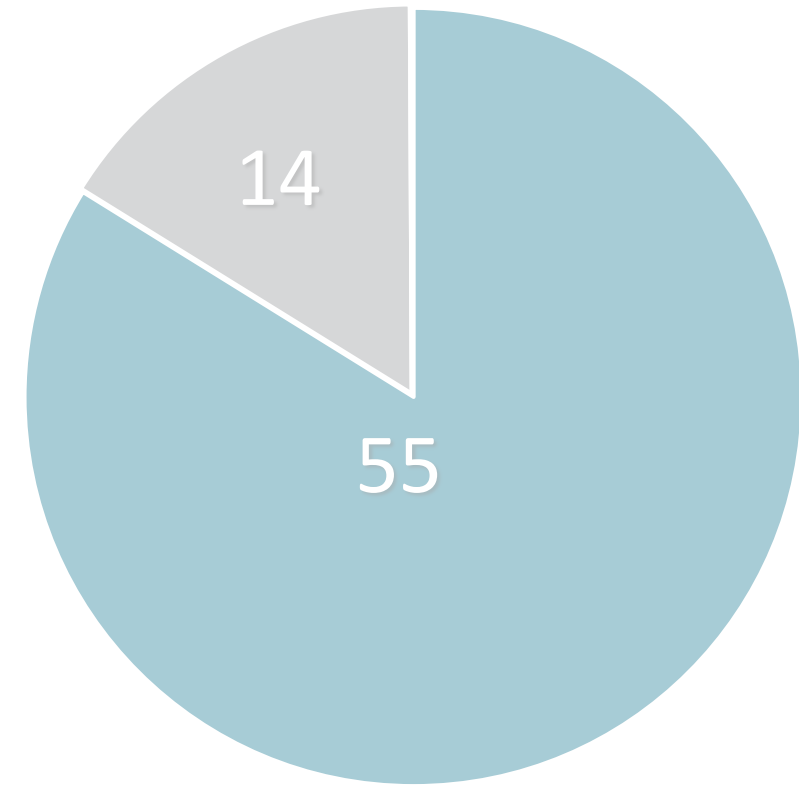
25% of gardens were filtered using the criteria

Top 14 sites were selected for further analysis.

4 sites responded, but only 1 was able to participate.

Site Name	Type	DAC Status	LACGC
Memorial Park Community Garden	Community Garden	NO	NO
Walnut Grove	School Garden	NO	NO
Monte Vista School	School Garden	NO	NO
Nelson Elementary	School Garden	NO	NO

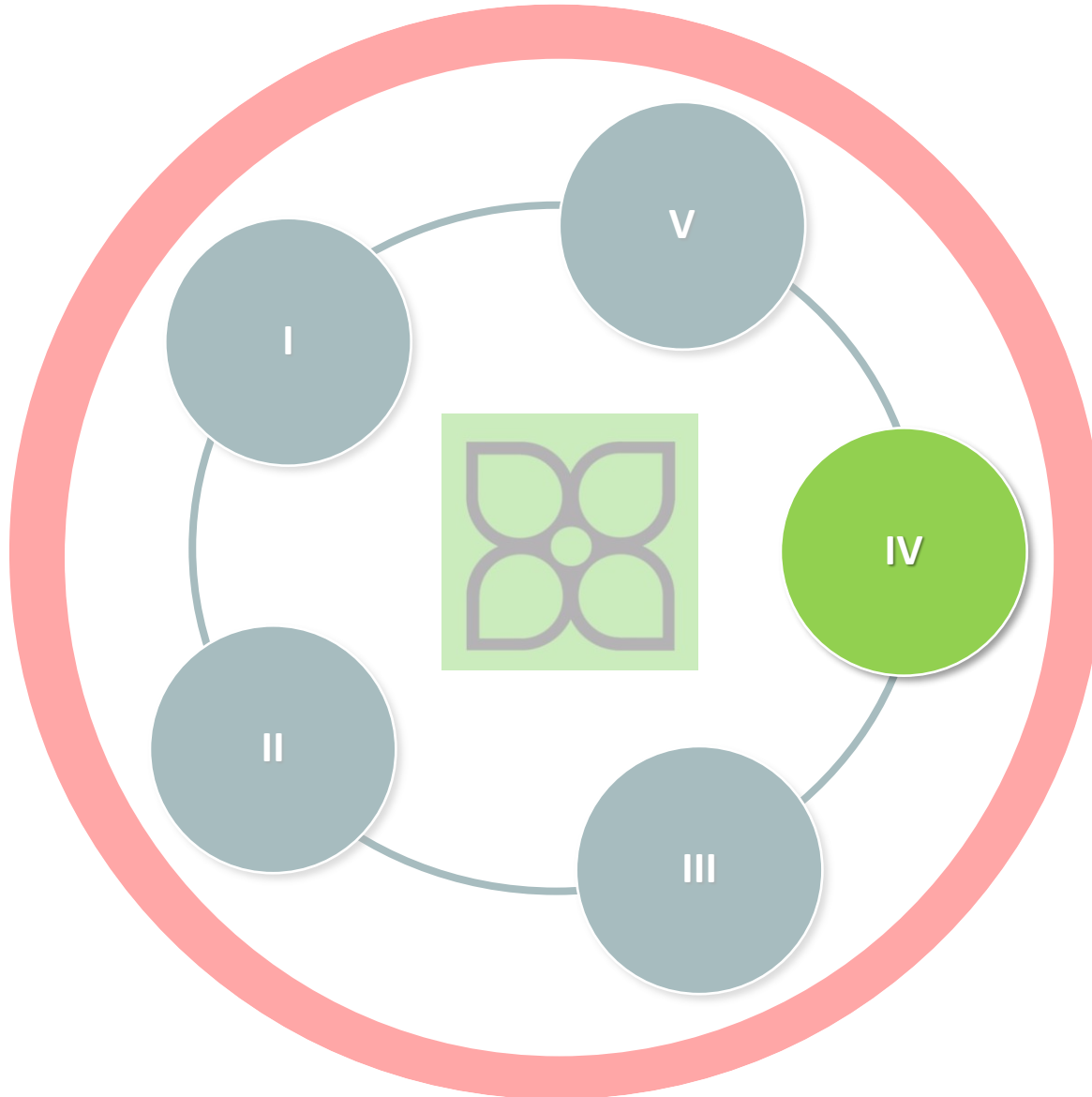
***West Covina Unified School District** & **Hacienda/LA Puente Unified School District** were interested in stormwater capture projects but were unable participate in this study to due to lack of resources or did not have an active garden at the time of this study.



of Garden Sites filtered



Project Phase IV – Collaboration & Engagement



IV : Collaboration

Collaboration with selected Gardens

- Leverage [LACGC's](#) strength in outreach and engagement.
- Outreach has been conducted through out the study.
- Opportunity to introduce the sites about the project and SCWP.
- Site reconnaissance to aid in the conceptual design



Project Phase IV – Collaboration & Engagement



Phase I



Phase III



Phase IV

-Information Sessions

Flyer developed and distributed to contacts and sessions were held to introduce the project and foster interest.

-Interest Forms

Gauge interest and begin to collect general information about the gardens.

-Continued Conversations

One on one sessions will be held.

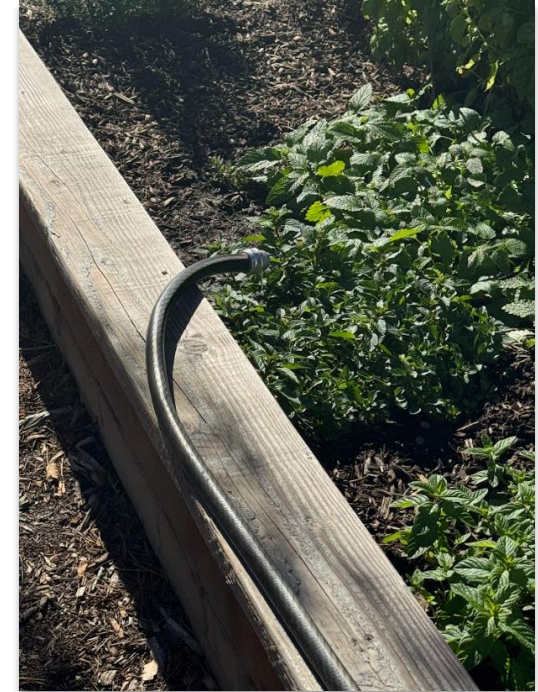
-Scheduled Site Visits

To continue assessing the site and understand garden needs.



Project Phase IV – Collaboration & Engagement

Site visits - USGR



**City of Azusa's Memorial Park
Community Garden**





Project Phase IV – Collaboration & Engagement

USGR selection results:

25% of gardens were filtered using the criteria

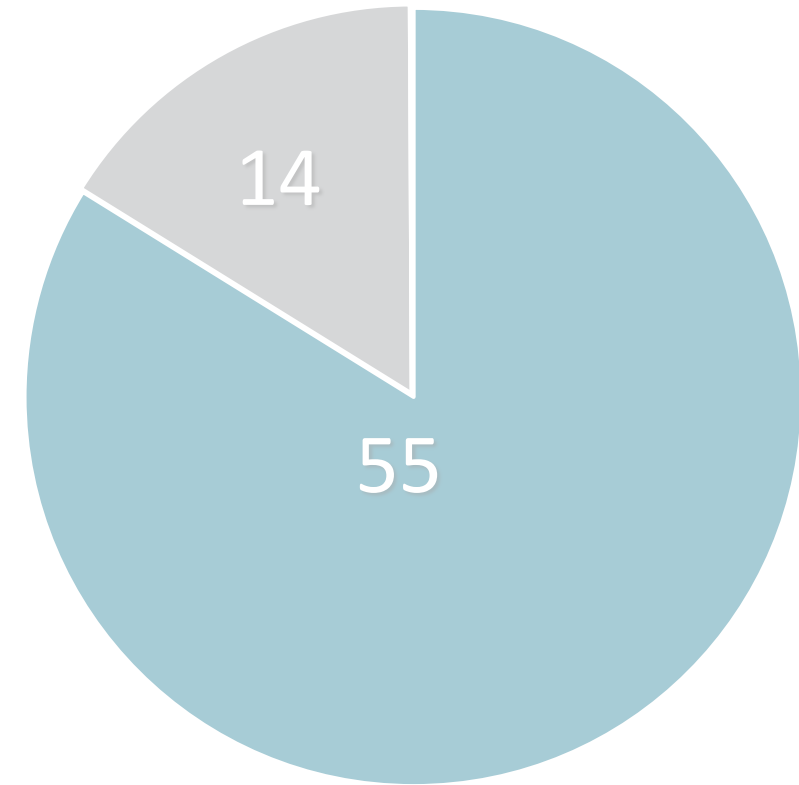
Top 14 sites were selected for further analysis.

4 sites responded.

1 selected for case study

Site Name	Type	DAC Status	LACGC
Memorial Park Community Garden	Community Garden	NO	NO
Walnut Grove	School Garden	NO	NO
Monte Vista School	School Garden	NO	NO
Nelson Elementary	School Garden	NO	NO

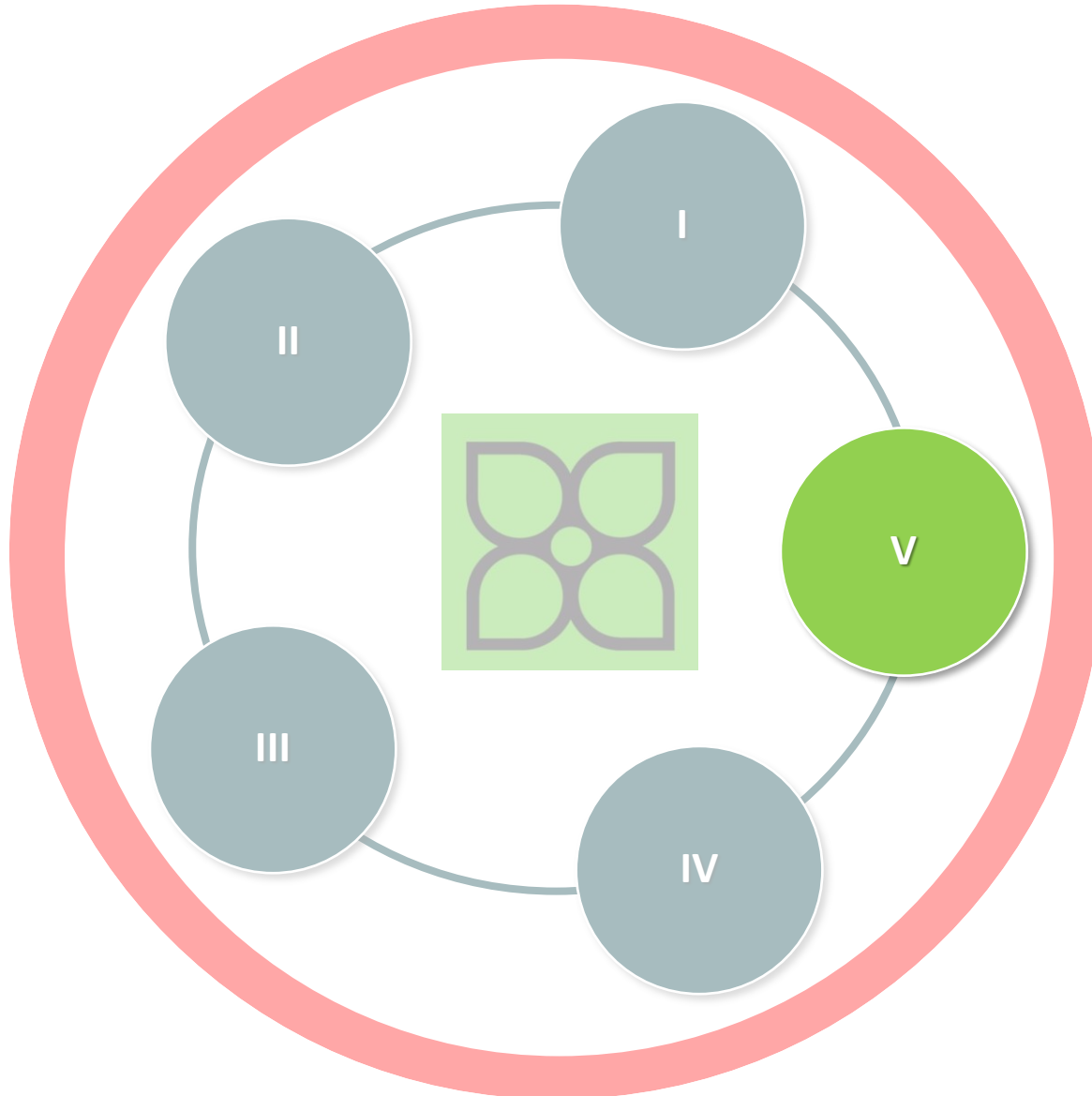
***West Covina Unified School District** & **Hacienda/LA Puente Unified School District** were interested in stormwater capture projects but were unable participate in this study to due to lack of resources or did not have an active garden at the time of this study.



of Garden Sites filtered



Project Phase V – Summarize



V : Summarize

Select Gardens

- Each site had a concept report drafted summarizing the data collected throughout the phases and the recommended BMPs selected for the site.
- Site layout, rendering, bilingual fact sheets, and information to support the process of the applying for Technical Assistance.



Project Phase V – Summarize (Memorial Park)

Best Management Practices (BMPs)	Potential Locations
Infiltration Basins	Within the park's green space.
Detention Basins	Within the park's green space.
Detention w/ SSF Wetlands	-
Constructed SF Wetlands	-
Underground Storage/tanks	Within the park's parking lots.
Hydrodynamic Separators	Inside drainage inlets near the site.
Channel Naturalization	Site is not appropriate for this BMP.
Rainwater Harvesting Cisterns - By the building/underground	Roof of the Recreation and Family Services Department Building
Bioretention Cells - On site	Parking lot's landscaping island
Vegetated Swales	Parking lot's landscaping island
Green Roofs	-
Porous/ Permeable Pavements	Wherever there are parking lots and large areas with asphalt
Gross-Solids Removal Devices (GSRDs)	Inside drainage inlets near the site
Media Filters	Inside drainage inlets near the site
Catch Basin Inserts	Inside drainage inlets near the site



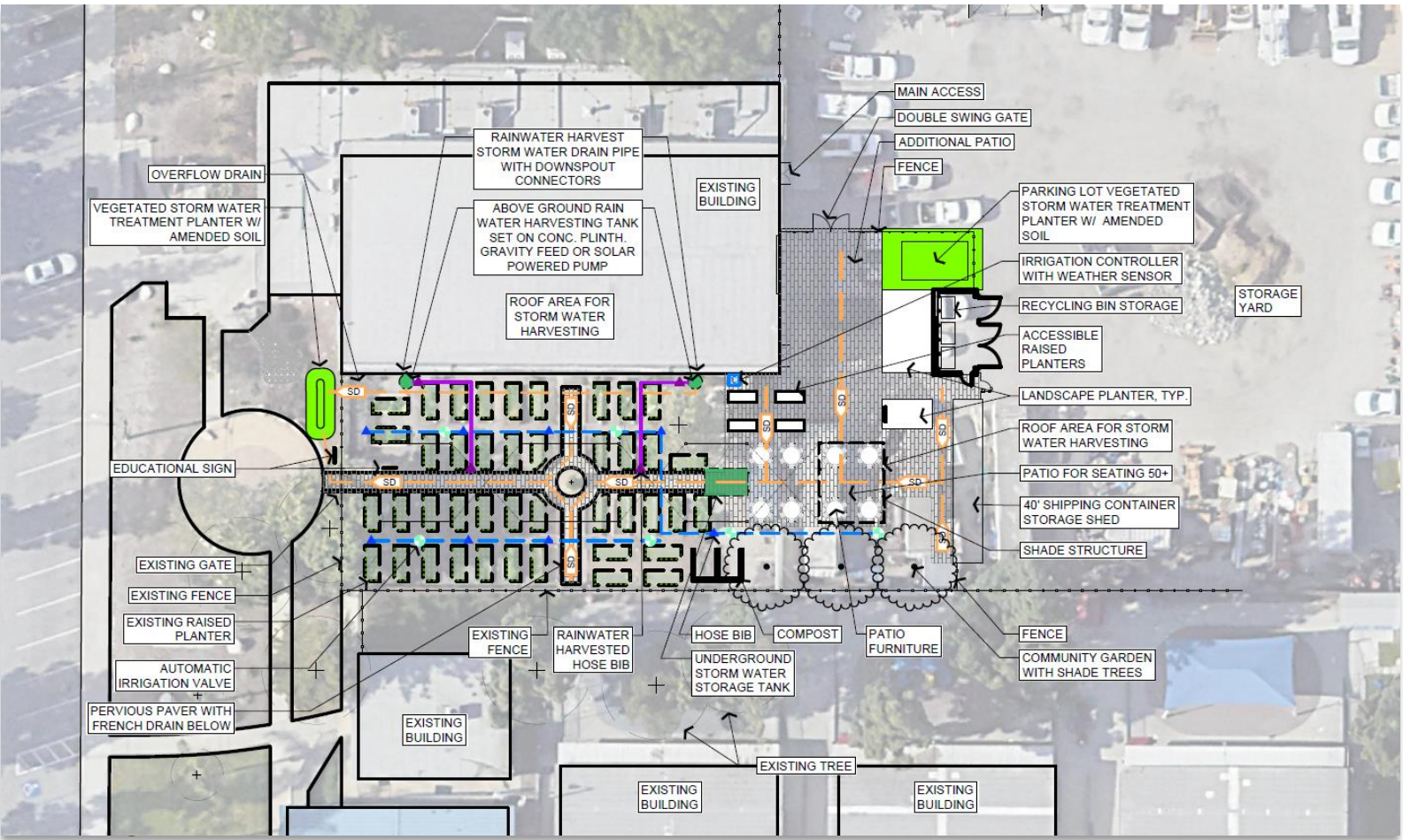
Initial Conversations

- Garden is also used as a community gathering space.
- City of Azusa is in the early stages of reimagining the space and adjacent uses.
- City was interested in more stormwater capture projects across the city.











Site Visit Conversations

- Plots are watered with a hose.
- Recreation center that abuts the community garden has rain gutters that empty into the site, but the water is not set up to be harvested nor reused for the garden.
- Garden consists of mostly concrete walkways.
- Storage bin is used as a boundary between garden and city vehicle lot.

Project Phase V – Summarize (Memorial Park)



Proposed Enhancements:

-  Pervious Pavers with French Drains.
-  Underground Storage Tank
-  Vegetated Stormwater Planter/Swale
-  Rain Harvesting Cistern
-  Smart Irrigation System
-  Educational Signs
-  Shade Structure
-  Added Trees
-  New Light Fixtures
-  Expanding Community Space



Project Phase V – Summarize (Memorial Park)

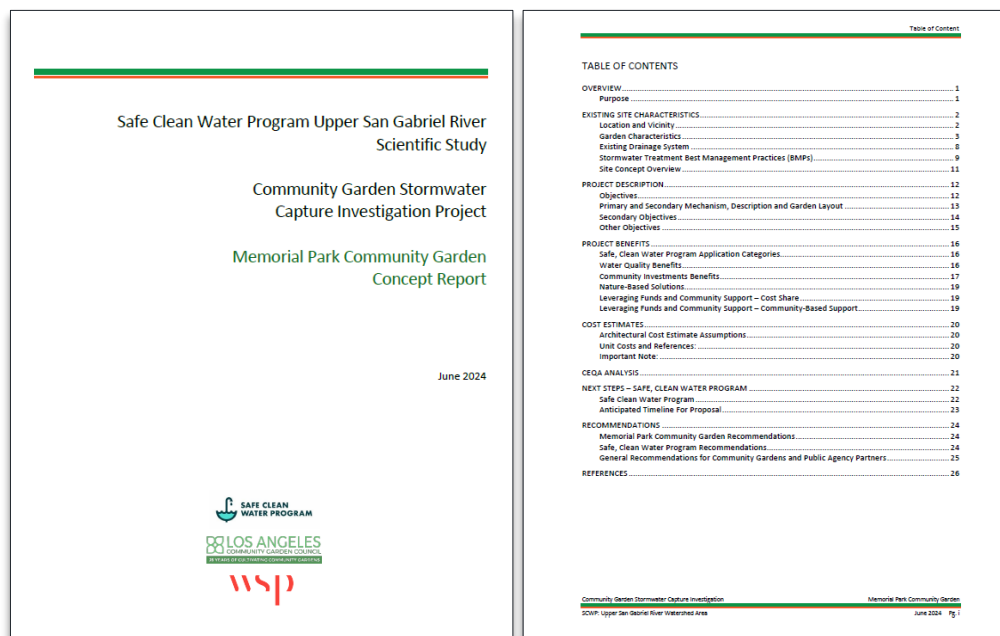


Above Ground Cistern

*El dimensionamiento se calcula en función de las áreas tributarias dentro del jardín asignadas a cada mejoramiento, que se adhieren a los estándares de Los Angeles County Low Impact Development (LID) y a los supuestos informados por este estudio. Se puede necesitar un análisis adicional si los jardines desean implementar los mejoramientos.



Project Phase V – Summarize



Attachments and additional documents provided per site included:

- Site Layout
- Renderings
- High Level cost estimate
- High Level CEQA Analysis
- Preliminary Data List
- One-Page Fact Sheet (Bi-Lingual)
- SCWP Technical Assistance Information
- List of Potential Funding Sources

Concept Report*

Technical Assistance

Feasibility Study

Construction/Implementation

*Study does not include implementation.



Los Angeles Community Garden Council image

Recommendations





General Recommendations

Gardens:

- Establish more **collaborative relationships** with property owners to identify project opportunities. Conduct analysis of surrounding uses.
- Partnerships** allow multiple entities to combine resources, thereby resulting in more impactful/multi-benefit projects.
- Gardens should engage with **workforce development entities** such as a conservation corps. The California Conservation Corps is a state agency that offers assistance with climate adaptation and resiliency.

Municipalities:

- Include language in **sustainability plans** to include community gardens and urban farms. These public land uses as spaces that can provide multiple benefits such as, access to food, recreation spaces, environmental resiliency, stormwater capture opportunities, etc.
- Establish training programs with garden leadership when planning for stormwater infrastructure projects. Teach garden volunteers how to maintain and report maintenance issues related to the BMPs.

SCWP:

- Extend outreach efforts to community gardens and school districts identified in this study. Most sites the project team connected with were interested in stormwater capture projects and wanted to learn more about the Safe, Clean Water Program.



Los Angeles Community Garden Council image

LESSONS LEARNED





Lessons Learned

Project Description/Scope of Work:

- Engagement incentives.
- Plan for and schedule more collaborative sessions with both **property owners and garden leadership.**
- Leave room to include concepts that include areas outside of the garden, but that provide benefits to the community garden.



Thank you

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