

*Conservation
as a
Way of Life*

2023



*Responding to
Water Extremes*



Speakers

💧 **Mary Welda**

- Homeowner

💧 **Lindsey Stuvick**

- Sustainable Resources Officer,
Moulton Niguel Water District

💧 **Scott Kleinrock**

- Conservation Programs
Manager, Chino Basin Water
Conservation District

Moderator

💧 **Cathy Pieroni**

- Acting Water Resources
Manager, Inland Empire
Utilities Agency



Per Metropolitan Water District...

Since 1990, Southern California consumers have reduced their use of water by **41 percent...**

...from 220 gallons per person per day to 129 gallons in 2021

A close-up photograph of a person with long blonde hair, wearing a blue and white plaid shirt, tending to a succulent plant in a dark pot. The person's hands are visible, gently holding the plant. The succulent has thick, rounded, light blue-green leaves with a slightly waxy texture. The background is softly blurred, showing more of the person and other plants. A semi-transparent grey rectangular box is overlaid on the center of the image, containing the text.

What More Can Be Done?
New in 2023

Banning NFT

(Non-Functional Turf)

- ◆ **Regulatory Rulemaking for SB 606/AB 1668**
- ◆ **Assembly Bill 1572 (Friedman) Potable water: nonfunctional turf**
- ◆ **Governor's State of Emergency**
- ◆ **Incentives: Rebates and More...**



Moderator's Note: Recycling is Conserving Indoor Water Uses

Figure 5 Municipal Recycled Water Use in California Since 1970

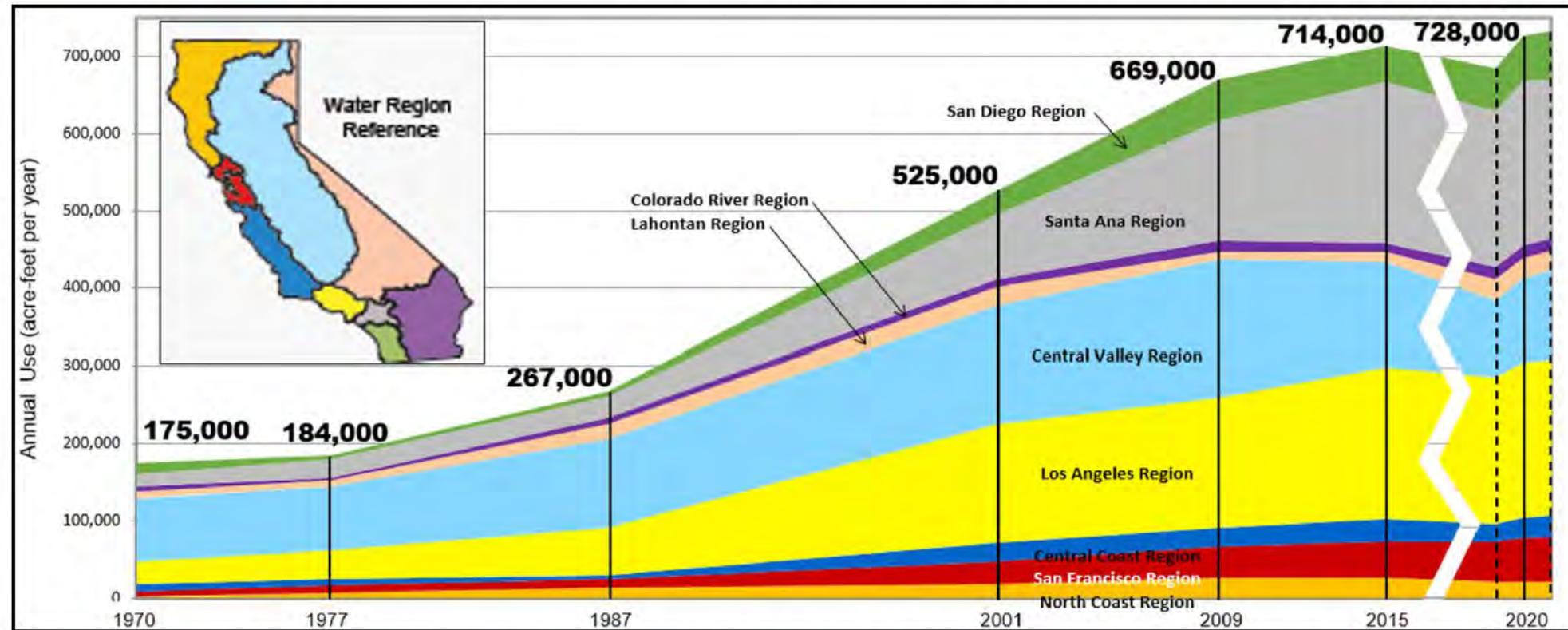


Figure 5 notes: (1) The break in the graph between 2015 and 2019 is because of changes made to recycled water data collection in 2019. (2) Dashed lines shown for 2019 and 2021 data are for reference.

Lessons from the Field

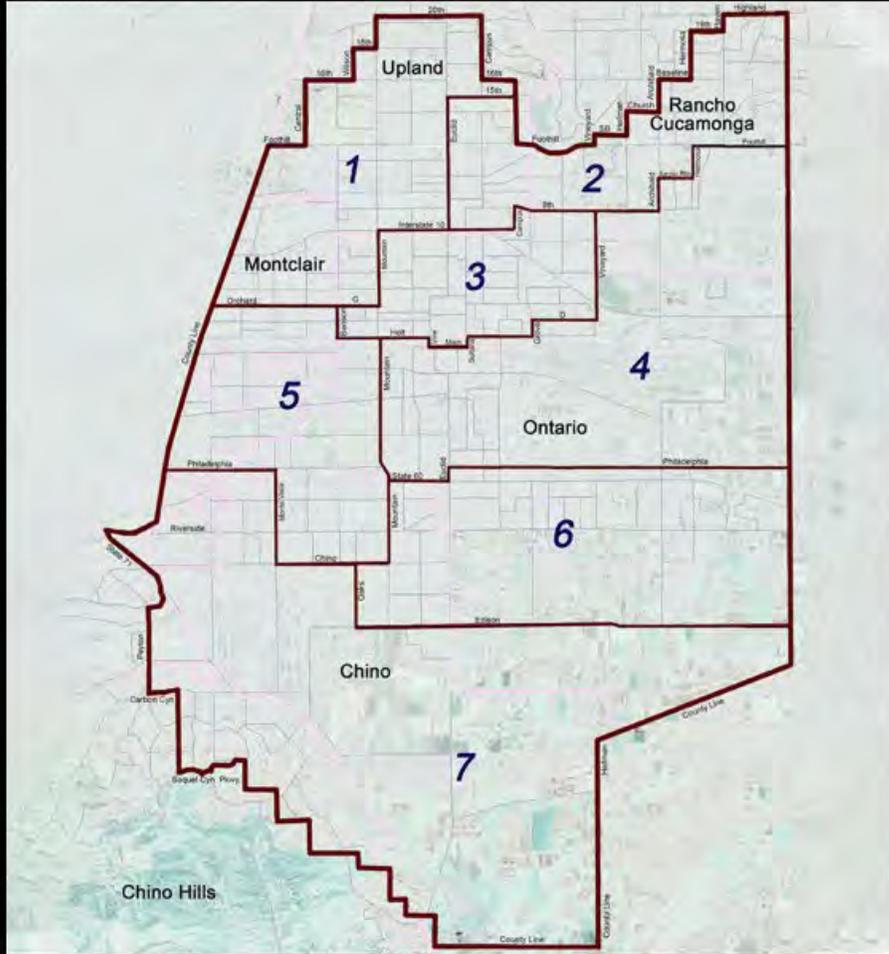
Scott Kleinrock

Our Service Area

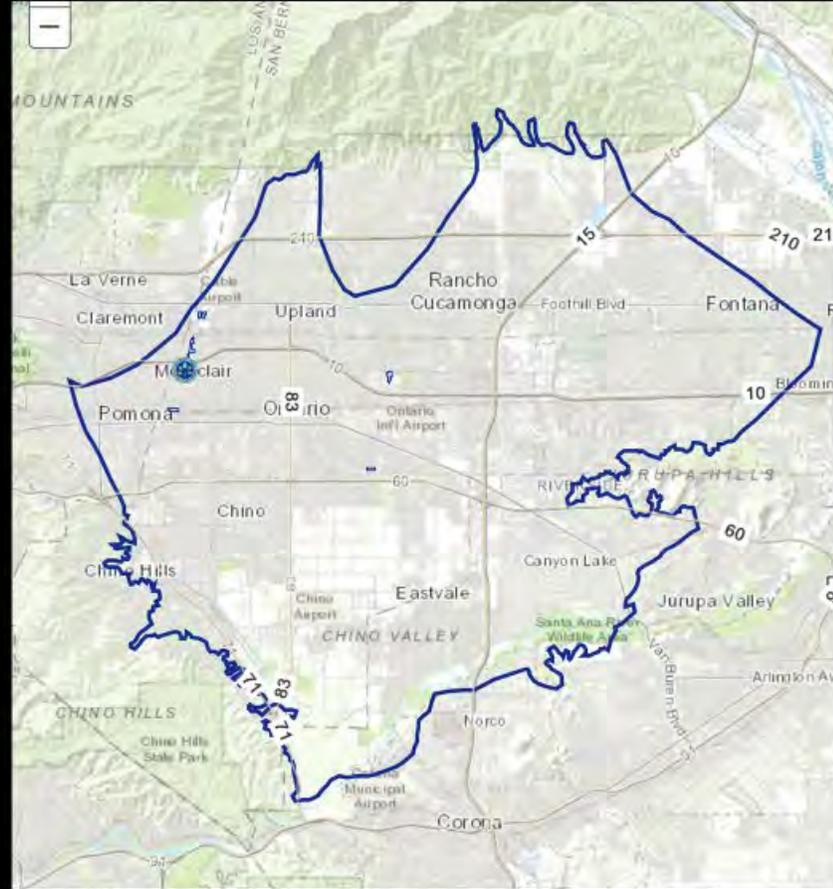


CHINO BASIN
Water
Conservation
District

Waterwise
Community
Center



Urban Western Edge of San Bernardino County



Protecting and Replenishing the
Chino Groundwater Basin

Our average program participants:

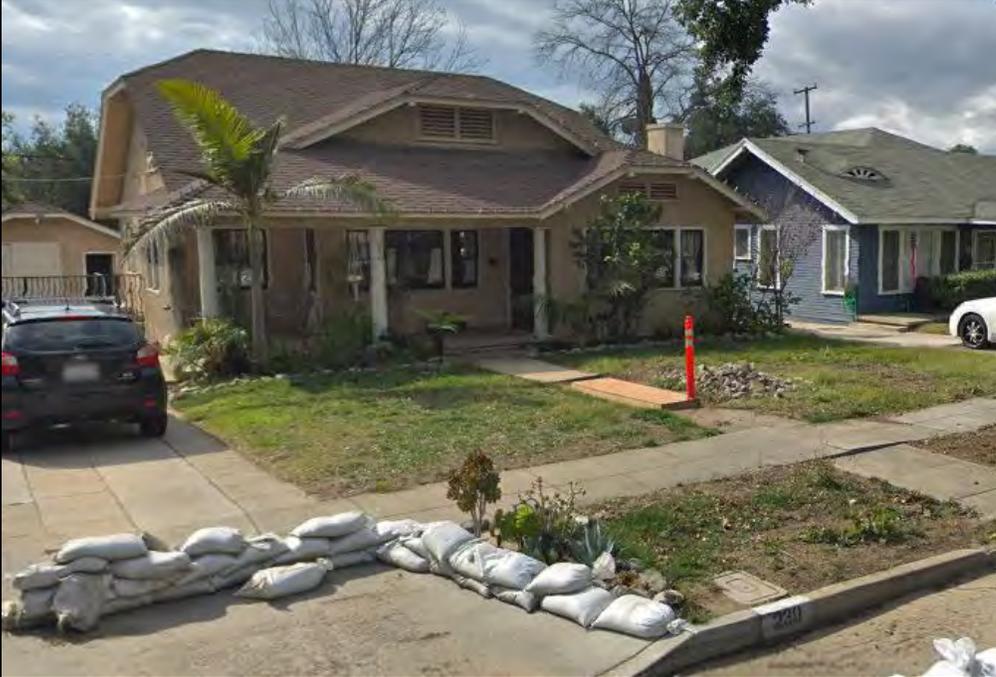
- Roughly 2/3 of program participants still have “quite green” or “greenish” lawns.
- Under 1/3 of participants have desiccated lawn, dirt, etc.
- Roughly 3-5% of participants have already removed all lawn

Main barriers to increased installation of low-water residential landscapes

- *Inspiration*
- *Design*
- Information
- Time
- Cost
- Who to hire?



More people than ever are thinking about getting rid of their lawns



But MANY will still be the first on their block to do so

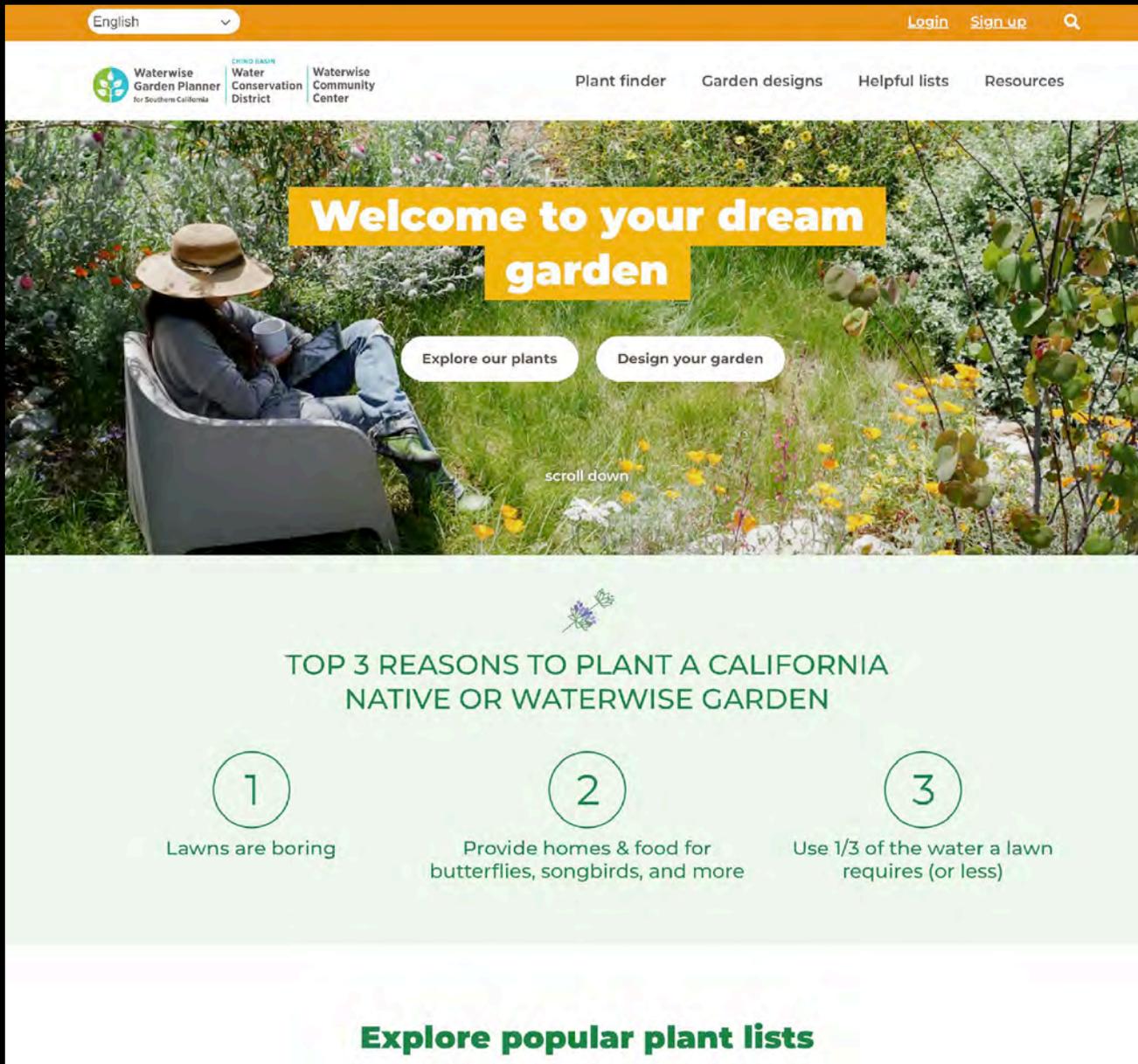
A photograph of a backyard. In the foreground, there is a concrete patio on the right side. The rest of the yard is dirt with some sparse grass. A concrete block wall runs across the middle ground. In the background, there is a house with a brick chimney and some trees. The text "What's next?" is overlaid in white on the dirt area.

“What’s next?”

Free workshops: cbwcd.org/workshops



- Website: Waterwise Garden Planner - waterwisegardenplanner.org



English ▼ Login Sign up Q

Waterwise Garden Planner for Southern California | CHINO BASIN Water Conservation District | Waterwise Community Center

Plant finder | Garden designs | Helpful lists | Resources

Welcome to your dream garden

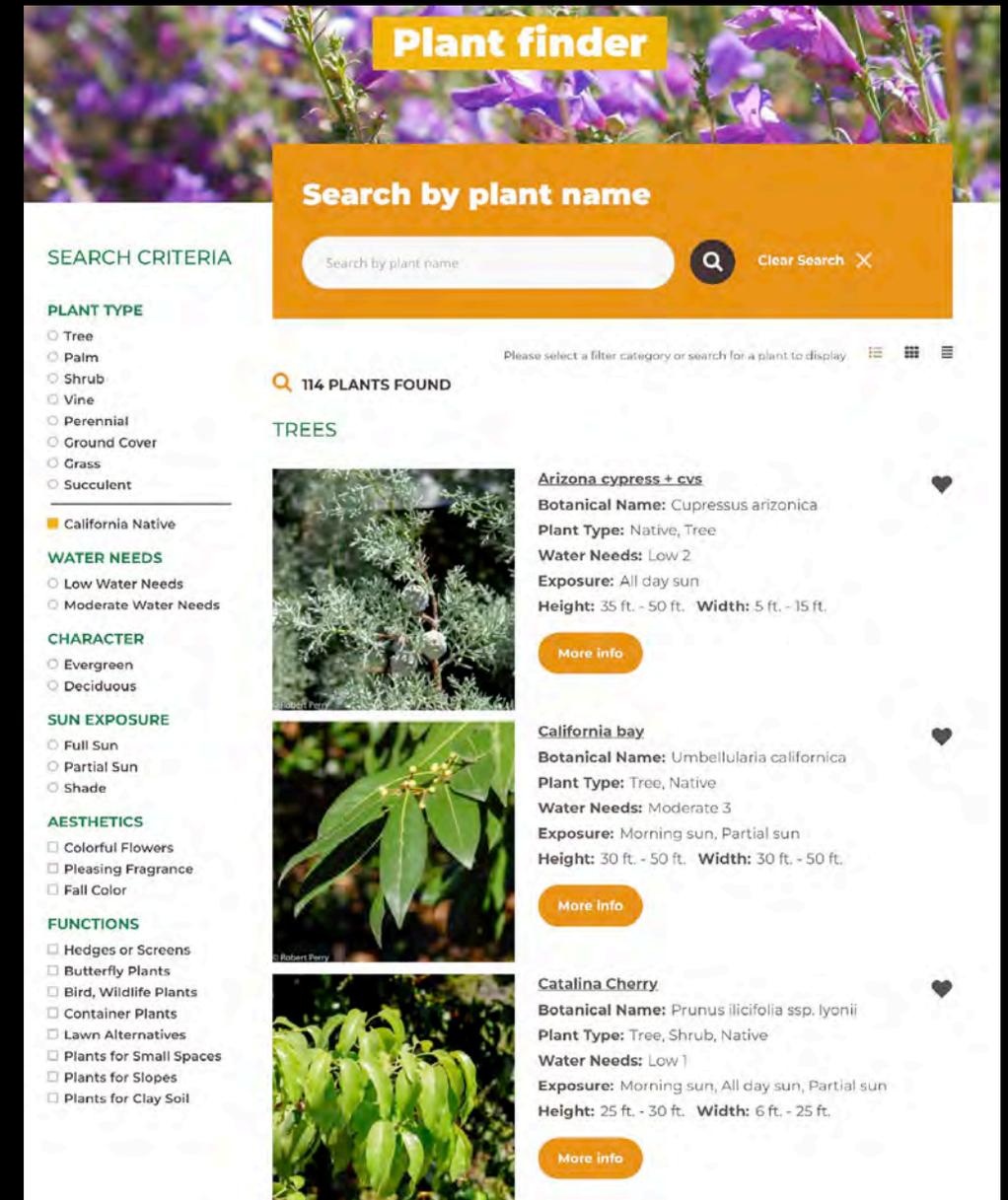
Explore our plants | Design your garden

scroll down

TOP 3 REASONS TO PLANT A CALIFORNIA NATIVE OR WATERWISE GARDEN

- 1** Lawns are boring
- 2** Provide homes & food for butterflies, songbirds, and more
- 3** Use 1/3 of the water a lawn requires (or less)

[Explore popular plant lists](#)



Plant finder

Search by plant name

Search by plant name Q Clear Search X

SEARCH CRITERIA

PLANT TYPE

- Tree
- Palm
- Shrub
- Vine
- Perennial
- Ground Cover
- Grass
- Succulent

California Native

WATER NEEDS

- Low Water Needs
- Moderate Water Needs

CHARACTER

- Evergreen
- Deciduous

SUN EXPOSURE

- Full Sun
- Partial Sun
- Shade

AESTHETICS

- Colorful Flowers
- Pleasing Fragrance
- Fall Color

FUNCTIONS

- Hedges or Screens
- Butterfly Plants
- Bird, Wildlife Plants
- Container Plants
- Lawn Alternatives
- Plants for Small Spaces
- Plants for Slopes
- Plants for Clay Soil

114 PLANTS FOUND

Please select a filter category or search for a plant to display ≡ ≡ ≡

TREES



Arizona cypress + cvs

Botanical Name: Cupressus arizonica

Plant Type: Native, Tree

Water Needs: Low 2

Exposure: All day sun

Height: 35 ft. - 50 ft. **Width:** 5 ft. - 15 ft.

[More info](#)



California bay

Botanical Name: Umbellularia californica

Plant Type: Tree, Native

Water Needs: Moderate 3

Exposure: Morning sun, Partial sun

Height: 30 ft. - 50 ft. **Width:** 30 ft. - 50 ft.

[More info](#)



Catalina Cherry

Botanical Name: Prunus ilicifolia ssp. lyonii

Plant Type: Tree, Shrub, Native

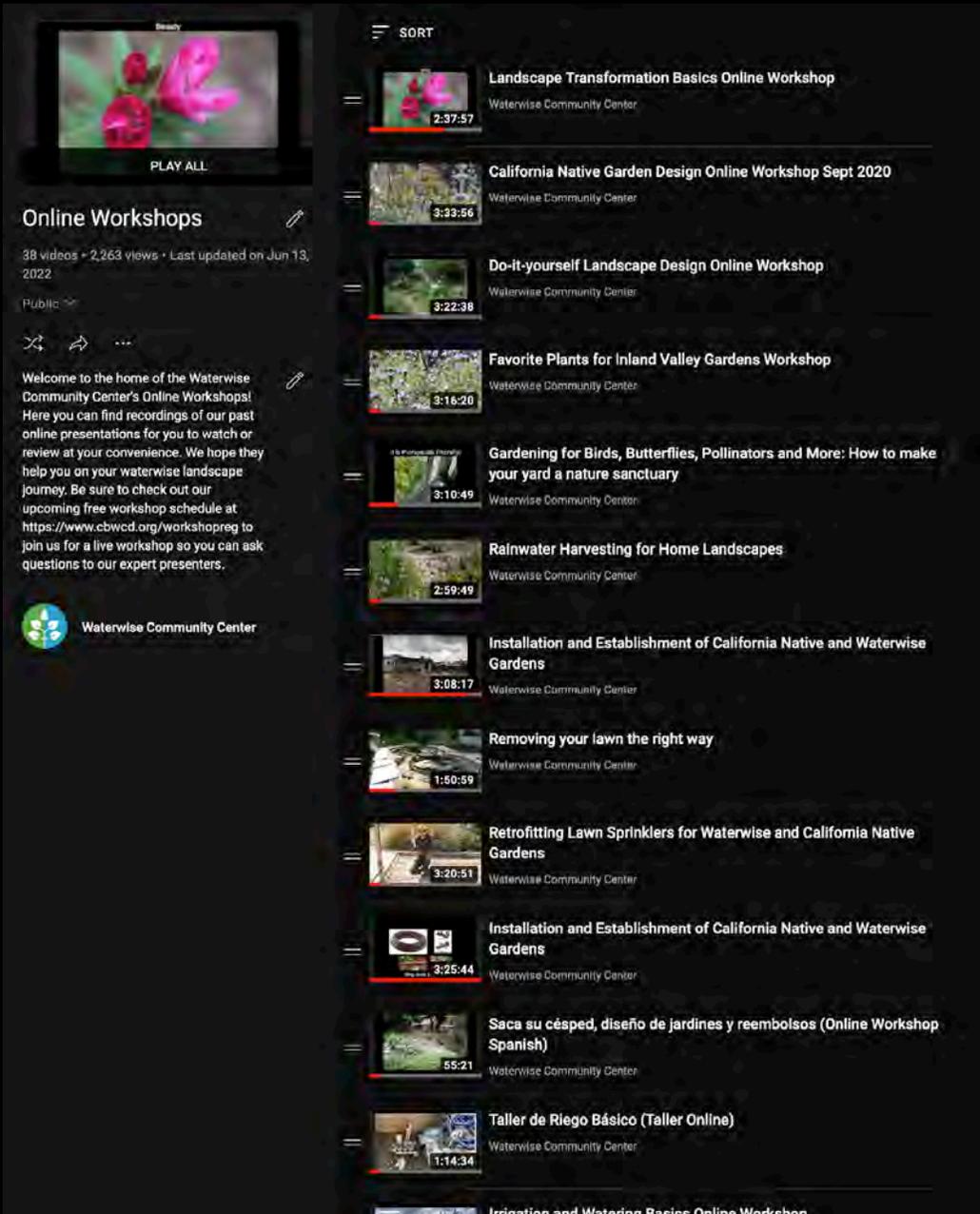
Water Needs: Low 1

Exposure: Morning sun, All day sun, Partial sun

Height: 25 ft. - 30 ft. **Width:** 6 ft. - 25 ft.

[More info](#)

YouTube channel: [cbwcd.org/youtube](https://www.youtube.com/cbwc.org/youtube)



Waterwise Community Center

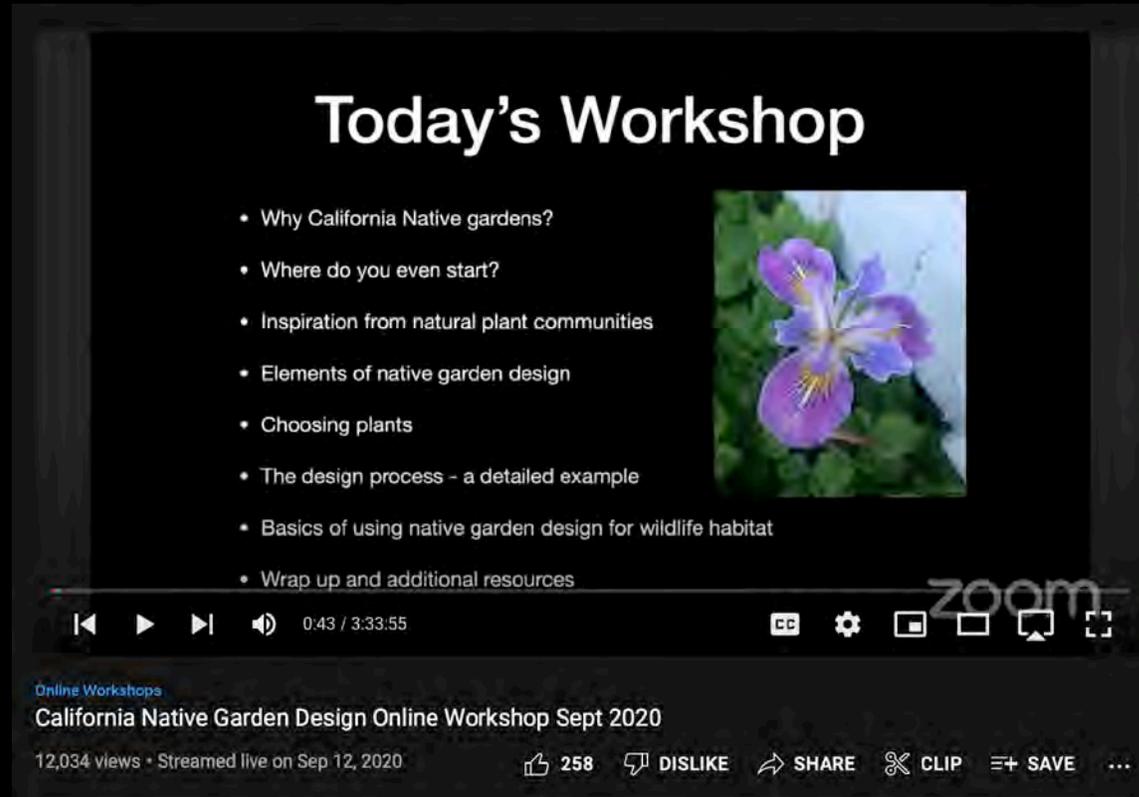
38 videos • 2,263 views • Last updated on Jun 13, 2022

Public

Welcome to the home of the Waterwise Community Center's Online Workshops! Here you can find recordings of our past online presentations for you to watch or review at your convenience. We hope they help you on your waterwise landscape journey. Be sure to check out our upcoming free workshop schedule at <https://www.cbwcd.org/workshopreg> to join us for a live workshop so you can ask questions to our expert presenters.

Online Workshops

- Landscape Transformation Basics Online Workshop** (2:37:57)
- California Native Garden Design Online Workshop Sept 2020** (3:33:56)
- Do-it-yourself Landscape Design Online Workshop** (3:22:38)
- Favorite Plants for Inland Valley Gardens Workshop** (3:16:20)
- Gardening for Birds, Butterflies, Pollinators and More: How to make your yard a nature sanctuary** (3:10:49)
- Rainwater Harvesting for Home Landscapes** (2:59:49)
- Installation and Establishment of California Native and Waterwise Gardens** (3:08:17)
- Removing your lawn the right way** (1:50:59)
- Retrofitting Lawn Sprinklers for Waterwise and California Native Gardens** (3:20:51)
- Installation and Establishment of California Native and Waterwise Gardens** (3:25:44)
- Saca su césped, diseño de jardines y reembolsos (Online Workshop Spanish)** (55:21)
- Taller de Riego Básico (Taller Online)** (1:14:34)
- Irrigation and Watering Basics Online Workshop**

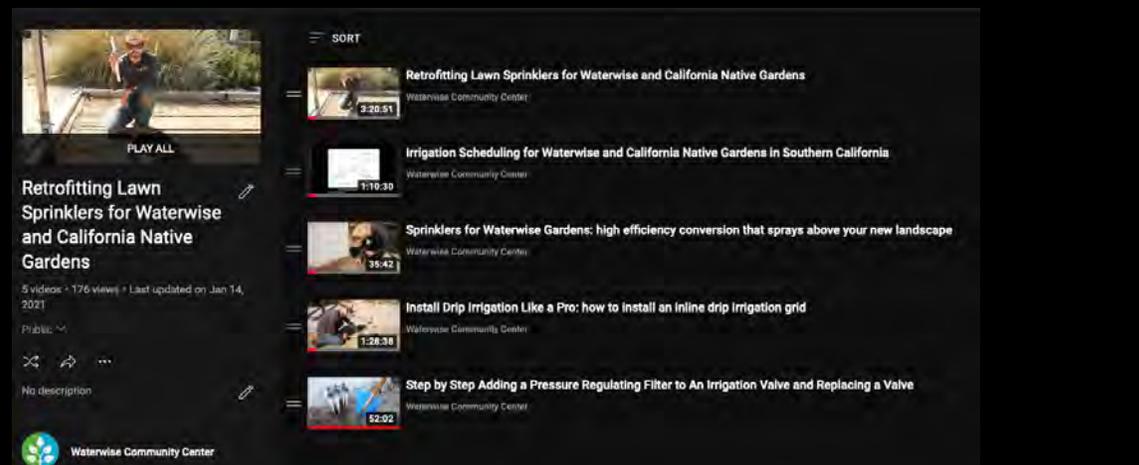


Today's Workshop

- Why California Native gardens?
- Where do you even start?
- Inspiration from natural plant communities
- Elements of native garden design
- Choosing plants
- The design process - a detailed example
- Basics of using native garden design for wildlife habitat
- Wrap up and additional resources

12,034 views • Streamed Live on Sep 12, 2020

258 DISLIKE SHARE CLIP SAVE



Waterwise Community Center

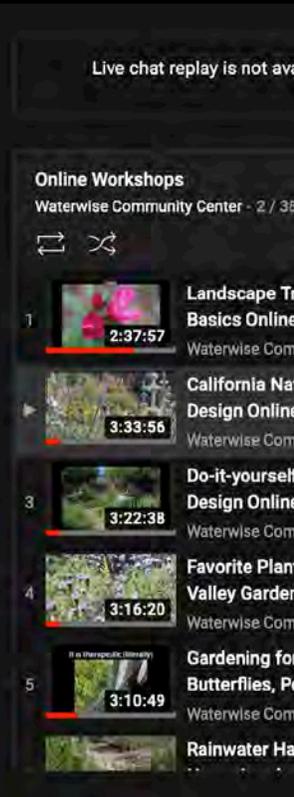
5 videos • 176 views • Last updated on Jan 14, 2021

Public

No description

Online Workshops

- Retrofitting Lawn Sprinklers for Waterwise and California Native Gardens** (3:20:51)
- Irrigation Scheduling for Waterwise and California Native Gardens in Southern California** (1:10:30)
- Sprinklers for Waterwise Gardens: high efficiency conversion that sprays above your new landscape** (35:42)
- Install Drip Irrigation Like a Pro: how to install an inline drip irrigation grid** (1:28:38)
- Step by Step Adding a Pressure Regulating Filter to An Irrigation Valve and Replacing a Valve** (52:02)



Live chat replay is not available

Online Workshops

Waterwise Community Center • 2 / 38

- 1 Landscape Transformation Basics Online Workshop (2:37:57)
- 2 California Native Garden Design Online Workshop (3:33:56)
- 3 Do-it-yourself Landscape Design Online Workshop (3:22:38)
- 4 Favorite Plants for Inland Valley Gardens Workshop (3:16:20)
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- 6 Rainwater Harvesting for Home Landscapes (2:59:49)

Garden designs

Explore our garden design templates

Butterfly and Songbird Garden

California Native Color Garden

Colorful Desert Garden

Meadow Garden

Mediterranean Garden

Pollinator Garden

Succulent Sculpture Garden

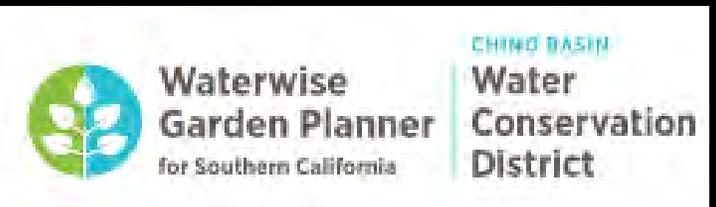
Woodland Garden



People *SELF REPORT* that design is the most frequent barrier...

And they asked for help understanding how to assemble something that is not a jumble of random plants

...so we made this



waterwisegardenplanner.org

Helping them find the vision



Landscape design examples that will be easy to emulate or that they can hand directly to a landscape contractor who understands waterwise plants.

NOTES:

- 1 Optional light seeding of California annual wildflowers in open mulch areas - SEE WILDFLOWERS DETAIL PAGE
- 2 Dry stream bed to capture water from roof - SEE DRY STREAM BED DETAIL PAGE

WOODLAND

Extra-Large Front Yard Design

PATIO DETAIL

TOYON

POZO BLUE SAGE

CALIFORNIA BUCKWHEAT

COMMON YARROW

WHITE SAGE

POZO BLUE SAGE

HUMMINGBIRD SAGE

CALIFORNIA FUCHSIA

1

COMMON YARROW

CALIFORNIA FESCUE

CHAPARRAL CURRANT

2

1

Decomposed granite pathway and patio
SEE PATHWAY DETAIL PAGE

2

Woodchip mulch
SEE MULCH DETAIL PAGE

3

Dry stream bed to capture water from roof
SEE DRY STREAM BED DETAIL PAGE



Hummingbird sage

Salvia spathacea



Description

[Download](#) [Save](#) [Share](#)

The Hummingbird sage is a small ground hugging perennial typically growing 12-18 in. tall and can form small groups and spread many feet across. Large textured leaves grow 4-6 in. long; vigorous spikes with colorful deep magenta-red flowers occur in early spring.

Hummingbird sage is native to foothill regions from Orange County to the Bay Area. It frequently grows as an understory plant to native oaks and on grassy slopes in the southern oak woodland plant community. It develops strong rhizomes below ground that enables it to survive summer drought. Leaves and stems die back under drought stress. This species is a unique flowering and foliage accent plant that can be used along natural borders, under trees and in native plant gardens.

Plant properties

Water needs

Maintenance

Plant Type: Perennial, Native

Foliage Character: Drought deciduous, Evergreen

Habit: Clumping

Growth Rate: Moderate

Foliage Color: Medium green

Flower Color: Magenta

Flower Season: Spring

Soil Adaptations: Well-draining soil, Deep soil, Clay

Exposure Adaptations: Morning sun, Moderate shade, Drought, Partial sun

Function: Wildlife value, Raised planters, Hummingbird plant, Flowering accent plant, Borders, Attracts butterflies, Small spaces

Height: 12 in. – 18 in.

Width: 18 in. – 24 in. then slowly spreading

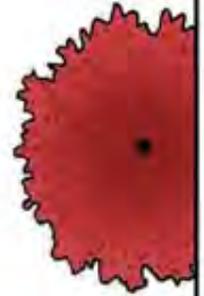


Perennials/Shrubs ≤ 4'

-  *Achillea millefolium*
Common Yarrow - 18"
-  *Penstemon heterophyllus*
'Margarita BOP'
Margarita Foothill Penstemon - 2'
-  *Epilobium canum*
California Fuchsia - 3'
-  *Salvia spathacea*
Hummingbird Sage - 3'

Trees & Large Shrubs

- Heteromeles arbutifolia*
Toyon - 18'



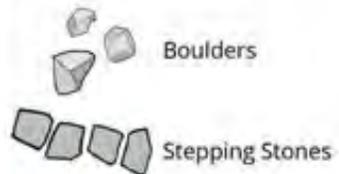
Shrubs ≥ 5'

-  *Leymus condensatus* 'Canyon Prince'
Canyon Prince Wild Rye - 5'
-  *Arctostaphylos* 'Sunset'
Sunset Manzanita - 6'
-  *Eriogonum fasciculatum*
California Buckwheat - 6'
-  *Salvia* 'Poza blue'
Poza blue - 6'
-  *Lepechinia fragrans*
Fragrant Pitcher Sage - 6'
-  *Rhamnus californica*
Coffeeberry - 6'

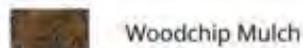
NOTES :

-  French drain at edge of landscape at sidewalk, to capture water running off
SEE FRENCH DRAIN DETAIL PAGE

Landscape Elements



Groundcovers





Perennials/Shrubs ≤ 4'

-  *Artemisia californica 'Montara'*
Montara Sagebrush - 5'
-  *Eriogonum grande var. rubescens*
Red Buckwheat - 3'
-  *Achillea millefolium*
Common Yarrow - 1.5'
-  *Penstemon heterophyllus 'Margarita BOP'*
Margarita Foothill Penstemon - 2'
-  *Salvia spathacea*
Hummingbird Sage - 2'
-  *Sisyrinchium bellum*
Blue-Eyed Grass - 6"
-  *Verbena Lilacina*
Lilac Verbena - 4'
-  *Monardella villosa*
Coyote Mint - 3'
-  *Epilobium canum*
California Fuchsia - 3'
-  *Penstemon Eatonii*
Firecracker Penstemon - 3'

Shrubs ≥ 5'

-  *Arctostaphylos 'Sunset'*
Sunset Manzanita - 5'
-  *Eriogonum cinereum*
Ashyleaf Buckwheat - 6'
-  *Leymus condensatus 'Canyon Prince'*
Canyon Prince Wild Rye - 5'
-  *Muhlenbergia rigens*
Deer Grass - 6'
-  *Salvia 'Allen Chickering'*
Allen Chickering Sage - 6'
-  *Isomeris arborea*
Bladderpod - 5'
-  *Calliandra Californica*
Baja Fariy Duster - 5'

NOTES :

-  Decomposed Granite pathway along curb for car door exit
SEE DECOMPOSED GRANITE DETAIL PAGE
-  Dry stream bed to capture water from roof
SEE DRY STREAM BED DETAIL PAGE
-  Optional light seeding of california annual wildflowers in open mulch areas
SEE WILDFLOWERS DETAIL PAGE

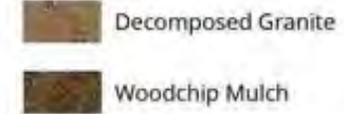
Trees & Large Shurbs

-  *Chilopsis linearis*
Desert Willow - 20'

Landscape Elements

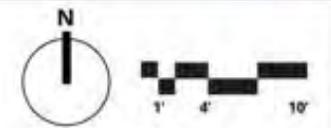


Groundcover



A program of the
Chino Basin Water
Conservation District

NATIVE COLOR
Medium Front Yard Design
PLAN VIEW



SCALE : 1/8" = APPX. 1' AT 11x17 PRINT

Bloom Color Calendar

Use this chart to understand what time of year these plants bloom in Southern California gardens
 "Bloom seasons" show the main flower color of the plant,
 "Off bloom seasons" show the leaf color, which can also be useful in your planting design.
 We encourage adding value for the birds, butterflies, and pollinators by having blooms throughout the seasons!

BOXES WITH ICON:
 MEANS IT IS USUALLY IN
 BLOOM SOMETIME THIS SEASON



garden style :
CA NATIVE COLOR

COLORFUL COLLECTION OF UNIQUE CALIFORNIA NATIVES

With focus on color, this style creates great food sources for a diverse group of pollinators, butterflies, and birds!

PLANT NAME	SPRING	SUMMER	FALL	WINTER
TOYON				
WESTERN REDBUD				
ALLEN CHICKERING SAGE				
MARGARITA FOOTHILL PENSTEMON				
SUNSET MANZANITA				
MONTARA SAGEBRUSH				
CANYON PRINCE WILD RYE				
ASHYLEAF BUCKWHEAT				
RED BUCKWHEAT				
HUMMINGBIRD SAGE				
BLUE-EYED GRASS				
DEER GRASS				
LILAC VERBENA				
COMMON YARROW				
BAJA FAIRY DUSTER				
DESERT WILLOW				
CALIFORNIA FUSCHIA				
BLADDERPOD				
COYOTE MINT				

PLANT TEXTURES

Photography credit
 for plant images :
 Robert Perry



Native "Formal Looking" Top Trees and Shrubs

Description

[Download](#) [Share](#)

One way to help a California native garden "look good" in a conventional sense throughout the entire year is to have a balance of "evergreen" plants that appear green and relatively lush looking year-round combined with colorful spring blooming plants like sages and wildflowers.

This list features our top natives that can be used for that evergreen backbone of a garden, whether it be for a more formal design using California native plants or to "balance" the look of a space when combined with wilder looking or seasonally dormant native plants.

These would also be our top recommendations to start with for people who like the idea of working with native plants but prefer a "traditional" look for their landscape.



Plant List



TREES



Catalina Cherry



Coast live oak



Engelmann oak

SHRUBS



Coffeeberry + cultivars



Creeping barberry



Golden Abundance barberry



Hollyleaf cherry



Lemonade berry



McMinn manzanita



Pigeon Point Coyote brush



Santa Cruz Island buckwheat



Sugar bush



Sunset manzanita



Toyon

TREES

[Catalina Cherry](#)

[Coast live oak](#)

[Engelmann oak](#)

SHRUBS

[Coffeeberry + cultivars](#)

[Creeping barberry](#)

[Golden Abundance barberry](#)

[Hollyleaf cherry](#)

[Lemonade berry](#)

[McMinn manzanita](#)

[Pigeon Point Coyote brush](#)

[Santa Cruz Island buckwheat](#)

[Sugar bush](#)

[Sunset manzanita](#)

[Toyon](#)

Resources

On demand workshops

Check out our in-depth workshop recordings on a variety of DIY topics including garden design, installation, landscape care, water capture, irrigation, and more!



[Landscape Transformation Basics](#)



[California Native Garden Design](#)



[Installation and Establishment](#)

[See our full workshop Youtube playlist](#)

UPCOMING FREE LIVE WORKSHOPS

Join our expert staff for an empowering learning experience. You can do this, and we are here to teach you how! Workshops are offered at the Waterwise Community Center in Montclair and online.

[See our schedule and register](#)

[Sign up for workshop announcements and more](#)

Details for installation and planning



Proper Planting

Simple techniques for getting your waterwise plants into the ground and off to a great start.



Dry Streambeds

The most attractive and practical way to capture rain while helping your garden and the environment!



French Drains

A compact method to capture rainfall that can be a good solution when you have limited options.



Mulch

Woodchips? Gravel? Decomposed granite? See the most common ways to cover soil and their benefits.



Wildflowers

Annual wildflowers can be a fun and beautiful way to add extra seasonal beauty and habitat value to your space.



Pathways

Robust methods for constructing gravel and decomposed granite paths through the garden.

WHERE TO BUY PLANTS AND LANDSCAPE MATERIALS

We share a Local Landscape Suppliers list of business that sell waterwise and California native plants, landscape construction materials, mulch materials, and irrigation supplies to our local communities.

Plants

Soil, Mulch, Rock, Decomposed Granite, Hardscape Materials

Irrigation, Tools, Landscape Materials

Grow Native Nursery at the California Botanic Garden

1500 N. College Ave., Claremont CA 91711
phone (909) 625-8767
(California native plants, huge selection, nursery closed summer)

Garrison Foothill Nursery

679 East 16th St., Upland CA 91784
phone (909) 949-9878
(California Native Plants, Southwest Native Plants, and Other Ornamental Plants)

Glendora Gardens

1132 S. Grand Ave., Glendora CA 91740
phone (626) 914-6718
(General Nursery with Waterwise Plants)

Theodore Payne Foundation

10459 Tuxford St., Sun Valley, CA 91352
phone (818) 768-1802
(California Native Plants, Huge Selection, Demonstration Plantings)

Cal Poly Pomona Nursery at The Cal Poly Farm Store

4102 South University Drive, Pomona, CA 91768
phone (909) 869-2299
(Primarily Culinary Herbs and Fruit Trees)

Tree of Life Nursery

33201 Ortega Highway, San Juan Capistrano CA 92675
phone (949)-728-0685
(Primarily California Native Plants with additional interesting selections from the southwest, seasonal vegetable starts, demonstration plantings)

Plant Material

3350 Eagle Rock Blvd, Los Angeles CA 90065
phone (323) 474-6842
(California Native and Waterwise Plants, Vegetables and Herbs, Specialty Garden Tools)

Demonstration garden and public park

Three acres of demonstration landscapes open Mon-Sat in Montclair



A matching interpretive experience



With Enhanced Online Resources

Waterwise Garden Digital Tour



Bird and Butterfly Gardening

Learn how to support native birds and butterflies in your landscape.

Our YouTube Workshop

Our Gardening for Birds, Butterflies, Pollinators, and More online workshop will teach you what you need to know, from plants to water features and much more.

Gardening for Birds, Butterflies, Pollinators, and More in California - Online Workshop



Habitat is in decline and we can help provide it

Watch on  YouTube

Share

LINKS FROM OTHER EXPERTS

-  [Butterfly Gardening from Tree of Life Nursery](#)
-  [Attracting Songbirds to Your Garden from Tree of Life Nursery](#)
-  [Landscape Integrity Films and Education YouTube Channel](#)



Butterfly and Songbird Garden Design Template

See our top plants and design examples for creating your own native garden to support birds and butterflies!

[View Garden Planner](#)

SIGN UP FOR OUR NEWSLETTER

Get our monthly email to hear about all our new free programs and resources.

[Subscribe](#)

“Where can I find someone
to hire?”





Certified CA Native Plant Landscaper Certificate

In collaboration with Theodore Payne Foundation and the California Native
Plant Society

Online Job Portal

- Connects community members and professionals while allowing CBWCD to stay out of contractor recommendations



THRIVE IN TODAY'S PROFESSIONAL LANDSCAPE

California Native Plant Landscaper Certificate Program

Whether you're a seasoned landscape professional or just moving into the field, get an edge on the competition by learning more about this growing field of native gardening.

LEARN MORE

SEE PROGRAM OUTLINE

Find The Best Landscape Professionals

The PEP job board connects ecologically and sustainably-minded landscapers with companies and clients committed to the same goals. Jobs can be posted by anyone with an opportunity in Southern California. Job opportunities are only viewable to PEP members.

POST A JOB

LOG IN TO SEE JOB POSTINGS

**Do Low Water Demand Plants =
A Low Water Use Landscape?**

Free Sprinkler Checkup Program / Water Efficiency Consultations

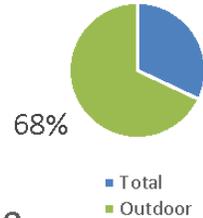


cbwcd.org/consultation

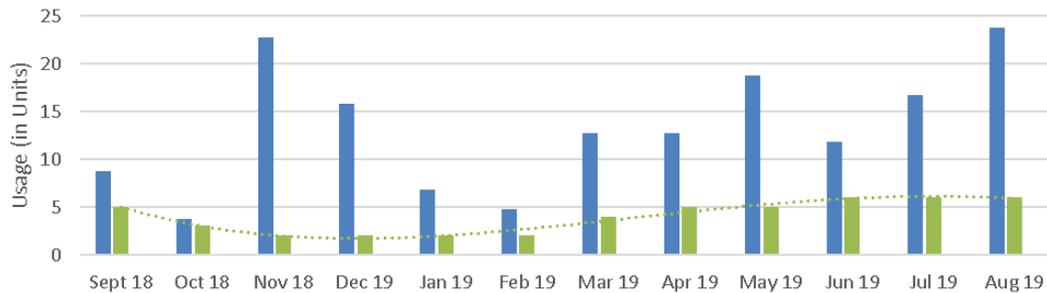
Personalized reports from site collected and water use data

Total Yearly Water Use (in units) 1 unit = 748 gallons	Total Yearly Outdoor Water Use*
234	159

Water Usage*



Historical Outdoor Water Use



■ Your Outdoor Water Use (Units)* ■ Recommended Outdoor Water Use ■ 1 Unit = 748 gallons

	Sep 18	Oct 18	Nov 18	Dec 19	Jan 19	Feb 19	Mar 19	Apr 19	May 19	Jun 19	Jul 19	Aug 19
Your Outdoor Water Use (units)	9	4	23	16	7	5	13	13	19	12	17	24
Recommended Outdoor Water Use	5	3	2	2	2	2	4	5	5	6	6	6
Overage	4	1	21	14	5	3	9	8	14	6	11	18

*Outdoor water use is an estimated calculation based on the landscaped area and number of residents in your home

Your Current Watering Schedule

Station	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	26	26	26	26	26	26	26
2	30	30	30	30	30	30	30
3	26	26	26	26	26	26	26
4	26	26	26	26	26	26	26
5	26	26	26	26	26	26	26
6	28	28	28	28	28	28	28

Total Min per Week **1134**

March thru September Suggested Summer Water Schedule

Stations	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	6		6		6		6
2	5		5		5		5
3	N/A						
4	6		6		6		6
5	5		5		5		5
6	10		10		10		10

Total Min per Week **128**

On Site Observations

A great way to save water and maintain a healthy landscape is by keeping up with repairs. Here are some areas that are in need of attention.



Valve Leaks

The irrigation valve pictured is leaking during operation. Our technicians diagnosed the diaphragm to be the most likely cause of damage. You may be able to avoid replacing the whole valve by replacing the diaphragm. Damaged valves do effect the rest of your system and should be repaired



Line Breaks

There is a break in the lateral line in this zone. Broken irrigation lines can cause a significant amount of water loss in a very short time. This needs to be repaired before resuming operation of the system automatically. Check your landscape often for signs of line breaks and check your water meter if you believe there may be a leak.



Overspray

The sprinkler pictured is causing overspray to the driveway. You can manually adjust the distance that each nozzle can reach by adjusting the velocity screw on the top of your sprinklers. If that isn't effective, consider using sprinkler nozzles with a shorter radius or changing the layout of your sprinklers.

Making Changes It is easier than you think!

During our audit we observed that you have an Orbit irrigation controller. If you need help making basic changes, these instructions may prove useful. While this may not be your exact controller, the functions should be similar.

Programs- Review your controllers "Programs" as you may have additional time on one of you stations or zones
Stations/Zones- Is the area of lawn being water and will have a corresponding number in the controller.

How to Change your Watering Schedule: Minutes per week

Station=Area being watered

Program= A way to store settings and run a station at different days and times

- 1) Set dial to 'RUN TIME'
- 2) Use +, - keys to change number of minutes station will run
- 3) Use Right and Left Arrow to select station you want to change
- 4) Set dial to 'AUTO' to return to normal operating mode

How to Change your Watering Schedule: Days to Water

- 1) Move dial to 'HOW OFTEN'
- 2) Use +, - keys to select days, selected days will be in boxes. This will set days for all stations
- 3) Move dial to 'AUTO' to run

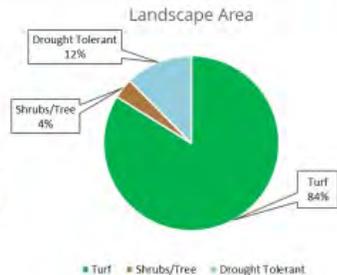
*To turn off the timer completely during a rain event just move the dial to 'OFF'

Site Evaluation Data



Here is an overview of the landscape at your site. During the landscape evaluation our team mapped the square footage of your site and classified the landscape into three categories: high, medium, and low water use plant material. This data is used to create the customized water budget.

Type	Square Feet	Landscape Factor	Over All %
High Water Use	866,955	0.7	84%
Medium Water Use	38,832	0.5	4%
Low Water Use	127,566	0.3	12%
Total	1,033,353	Overall L - Factor	0.64



2022 Summary of Water Use

Water Usage and Site Evaluation Data

YTD Landscape Usage	72,165 Units
Annual Landscape Water Budget	49,757 Units
Irrigated Landscaped Area	1,033,353 Sq. Ft.

Potential Savings

Total Water Over Landscape Budget	22,408 Units
Total Water Over Landscape Budget	16,761,184 gallons

Outdoor Water Usage



Usage Shown in Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Outdoor Water Use	1,664	4,548	3,797	5,109	4,955	6,511	7,055	8,544	9,016	8,354	7,419	5,193
Outdoor Water Budget	2,276	3,053	4,035	4,876	5,332	6,478	6,677	6,448	4,606	3,097	1,896	983
Over Budget	-612	1,495	-238	233	-377	33	378	2,096	4,410	5,257	5,523	4,210

Current Schedule

Controller #2				Schedule Prior to Audit				Irrigation Type	Program
Stations	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday		
1	45	45	45	45	45	45	45	Drip	A
2	30	30	30	30	30	30	30	Drip	A
3	25	25	25	25	25	25	25	Drip	A
4	25	25	25	25	25	25	25	Drip	A
5	30	30	30	30	30	30	30	Drip	A
6	30	30	30	30	30	30	30	Drip	A
7	30	30	30	30	30	30	30	Drip	A
8	30	30	30	30	30	30	30	Drip	A
9	30	30	30	30	30	30	30	Drip	A
10	30	30	30	30	30	30	30	Drip	A
11	25	25	25	25	25	25	25	Drip	A
12	25	25	25	25	25	25	25	Drip	A
13	25	25	25	25	25	25	25	Drip	A
14	25	25	25	25	25	25	25	Drip	A
Weekly Runtime Total:				2835		Monthly Runtime Total:		11340	

Recent consultation for an HOA's "Low Water" Landscape

Landscape zones post turf replacement were being watered during a cool spring at 337% of our recommended *July* watering schedule for those zones

Recommended Schedule

Controller #2				Suggested Summer Schedule				Irrigation Type	Program
Stations	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday		
1	60							Drip	3
2	60							Drip	3
3	60							Drip	3
4	60							Drip	3
5	60							Drip	3
6	60							Drip	3
7	60							Drip	3
8	60							Drip	3
9	60							Drip	3
10	60							Drip	3
11	60							Drip	3
12	60							Drip	3
13	60							Drip	3
14	60							Drip	3
Weekly Runtime Total:				840		Monthly Runtime Total:		3360	



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**links referenced in
presentation:**
waterwisegardenplanner.org
cbwcd.org/youtube
cbwcd.org



CHINO BASIN
**Water
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**Waterwise
Community
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**Waterwise
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Renovating a 1930 Bungalow

Mary Welday



Before



After

Winner of Cucamonga
Valley Water District's
Landscape Contest (2021)



moulton niguel water district

HOA Education & Water Savings Programs

August 11, 2023

H2O for HOAs



H₂O
for
HOAs

**FREE EDUCATION
AND NETWORKING
EVENT**

Light breakfast will be provided

THURSDAY
OCT 26
8AM - 12NOON

Norman P. Murray Community Center

24932 Veterans Way, Mission Viejo, CA 92692



More HOA Education & Water Savings Programs

- H2O Pro Water Management Program
- Professional Landscaper Trainings
- Turf Removal & Pilot Stacked Incentive
- Numerous Water Savings Rebates
- MNWD Demonstration Garden
- Recycled Water



**DUAL
CERTIFICATION
WORKSHOP**

FREE!



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FOLLOW US ONLINE!





Discussion Wrap Up

- Conservation Improves Resilience Against Drought
- New Legislation Banning NFT Irrigation in CII Properties – Enforcement Challenges
- The Cost of Making Conservation a California Way of Life