

Plant Selection for Beginning Gardeners

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UPCOMING WEBINARS

Gardening in Summer-Dry Climates (Geared for Professionals) Mar 8, 2-3:15

Irrigation Basics

Mar 11, 1-2pm (English and Spanish)

Graywater: Laundry to Landscape Mar 16, 1-2pm

Home Leak Detection

Mar 18, 5-6pm (English and Spanish)

Water Conservation Showcase Apr 6, 13, 20, 27

Register at:

www.ebmud.com/watersmart





AGENDA

- Why Plant Choice Matters
- Benefits of California Native Plants
- Installation and Design Considerations
- Finding the Right Plants for Your Garden
- Resources and Rebates

Multi-Benefits of Water Conservation















Minimal benefits (beyond water savings)



This garden design provides many benefits



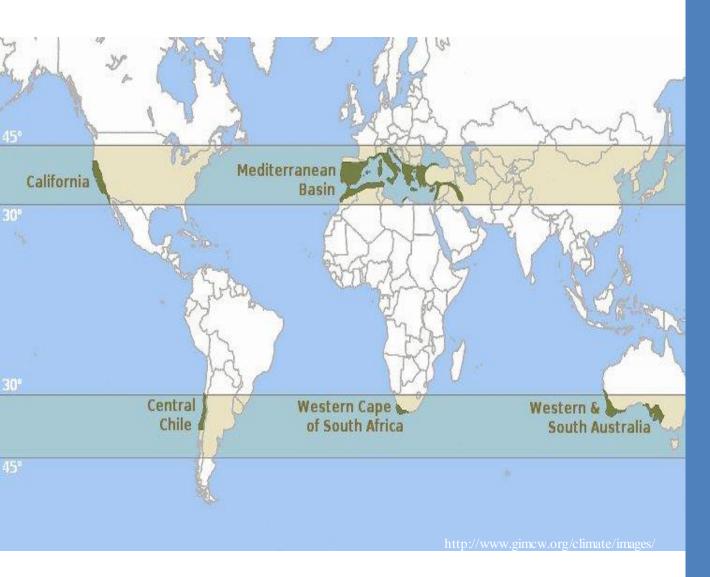
California Native Plants

- What is a native plant?
- Benefits of native plants
- California habitats

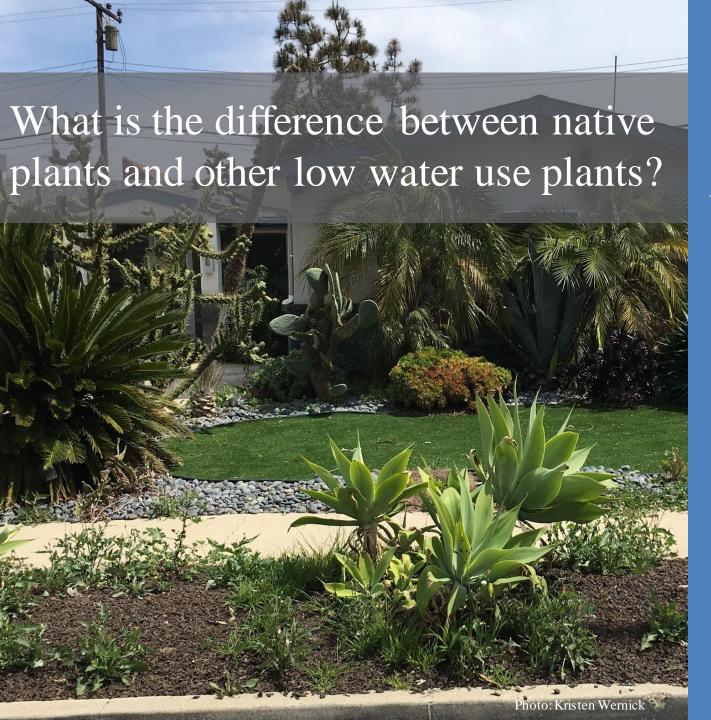


✓ Grows here
naturally, the
plants that were
here before
European
exploration.

- Co-evolved with animals, fungi, and microbes to form complex networks
- **✓** Foundation of native ecosystems

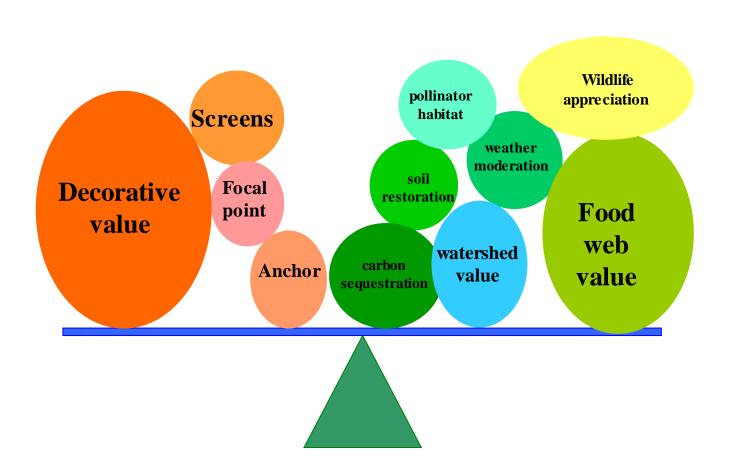


- ✓ Adapted to...
 - California's unique Mediterranean climate.
 - Of the 5 in the world, CA receives the least amount of rainfall
 - Rest during the hot, dry summer and early fall



Non-native, drought friendly plants, even those from other Mediterranean climates, often need supplemental irrigation and care to thrive.

New criteria for designing our landscapes





Convert sterile suburban gardens to rich natural habitat through the use of local native plants!



When planned well and cared for properly, native gardens can achieve these savings!

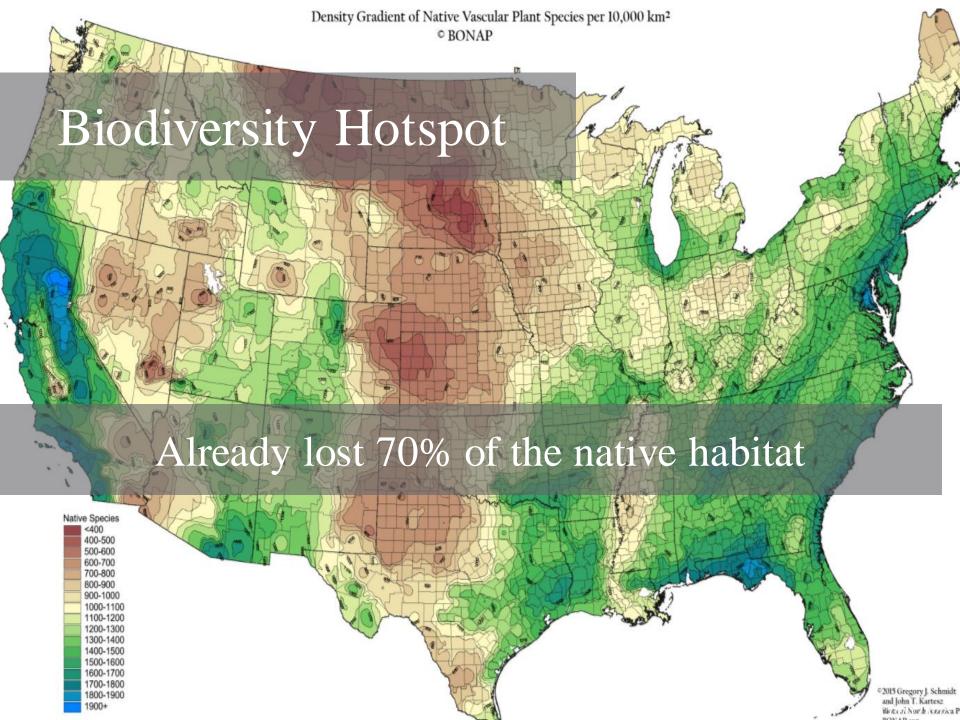


Locally native plants are adapted to local conditions.

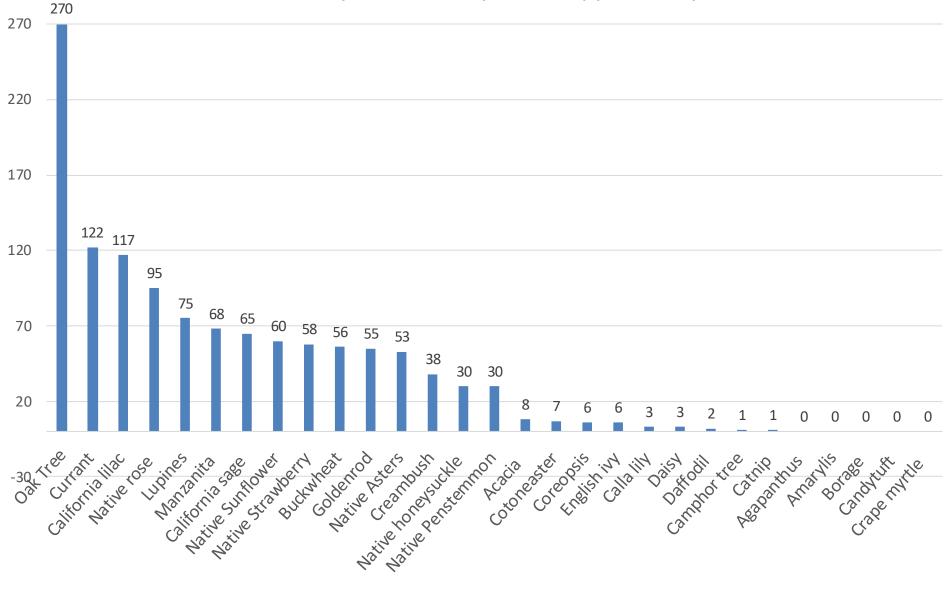
Harmful
pesticides and
other
supplements
that pollute
streams and
oceans are not
needed.

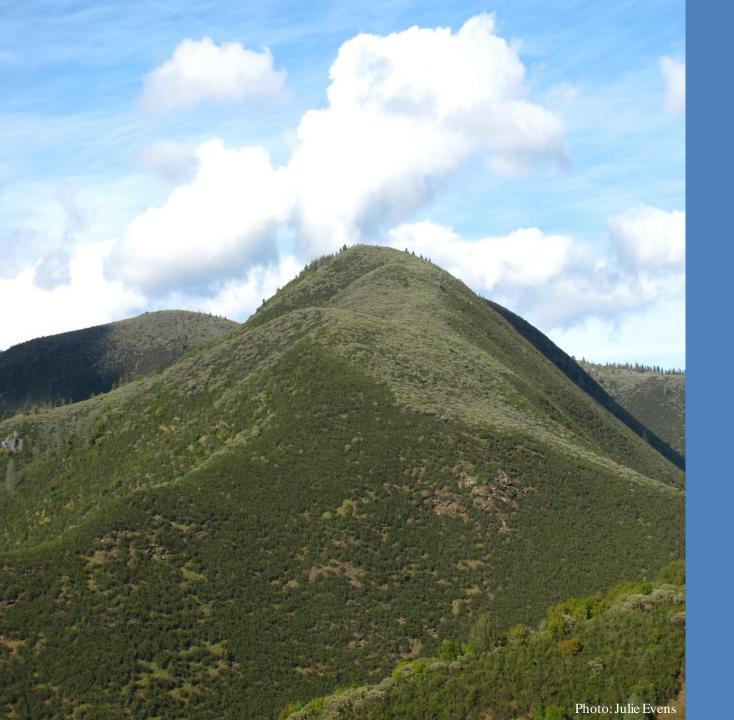












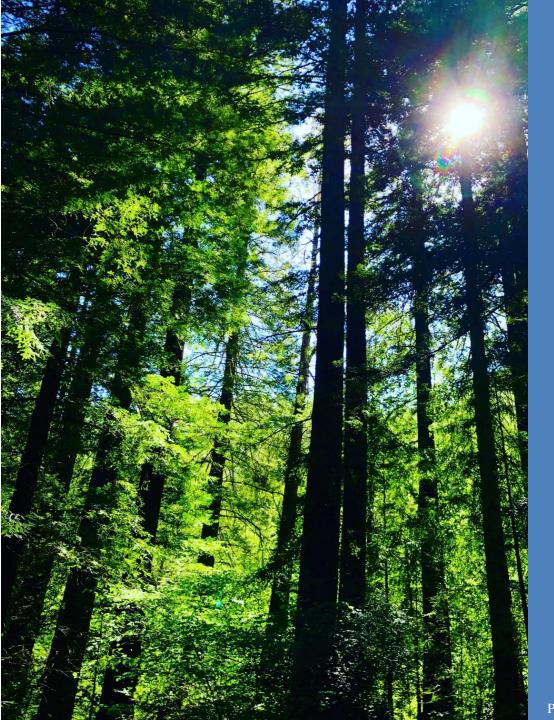
Chaparral



Coastal Sage Scrub



Valley Oak Savannah



Mixed Conifer Forest

Photo: Ann-Marie Benz

What habitat do you live in?



Determine the natural habitat of the site prior to urbanization to identify what will work best with the site's microclimate, soil, and biotic factors.





Installation and Design Considerations





Sheet
Mulching
is like a
lasagna recipe



Do a Site
Analysis
And
Figure Out
Your
Soil Type



Plant California natives are in late fall, winter, or early spring

Start with 1 gallon (or smaller) plants

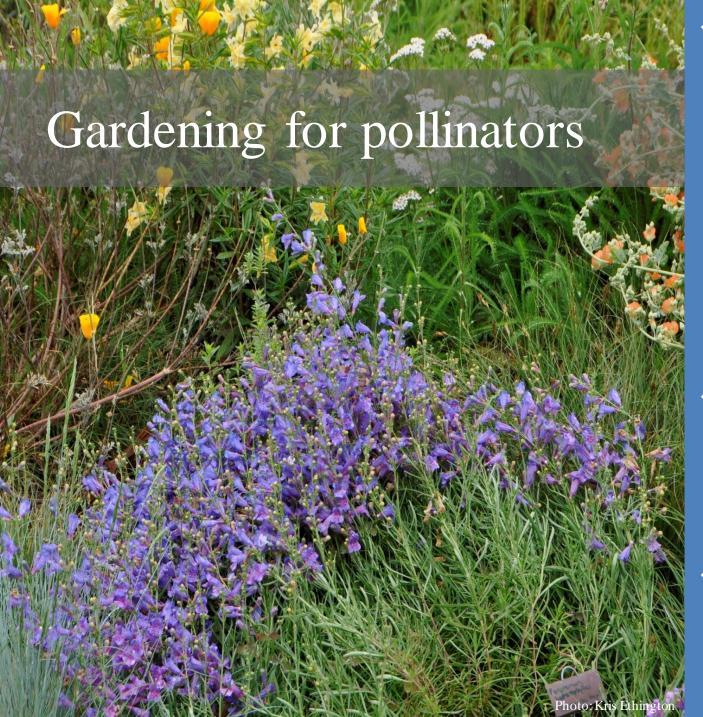
Dig a hole that is twice as wide and half again as deep



Leave a few areas mulch-free for native bees

3" Layers

Different
California
native plants
prefer different
types of mulch



- ✓ Have 10 different flowering plants that attract pollinators-different colors and flower shapes
- ✓ Plant in groups so there is a mass of the same flower
- ✓ Have 3 different plants in bloom each season

Attracting butterflies and moths

- Photo: Kris Ethington
- ✓ Flat landing pad
- ✓ Butterflies are usually brightly colored and moths are more subtle
- ✓ Ants may have a symbiotic relationship with some butterflies



- ✓ Tubular flowers
- ✓ Will feed on any flower that produces abundant nectar
- ✓ Will also eat many insects for protein such as mosquitoes

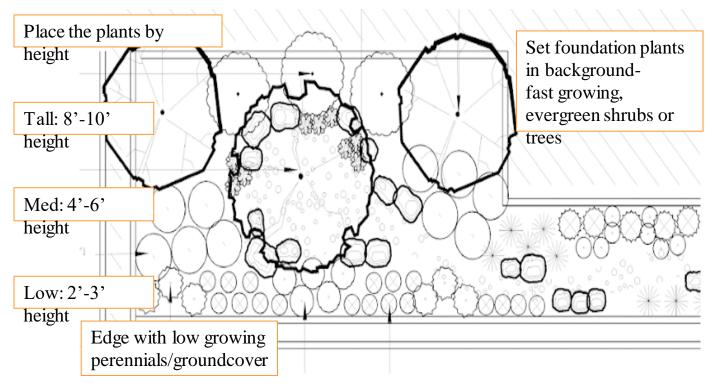


- ✓ Seeds, berries, nesting material
- ✓ Birds will stick around if there is a water source
- ✓ They are also eating the protein rich insects in the tree
- Migrations
 patterns are
 based on plant
 communities and
 cycles



- ✓ Most effective pollinators
- ✓ Some areas of sunny bare soil, some branch piles, hollow twigs, rotten logs
- ✓ Avoid using weed cloth
- ✓ In North America:
 - -thousands of sp.
 - -47 Bumble bee sp.
 - 70% nest underground

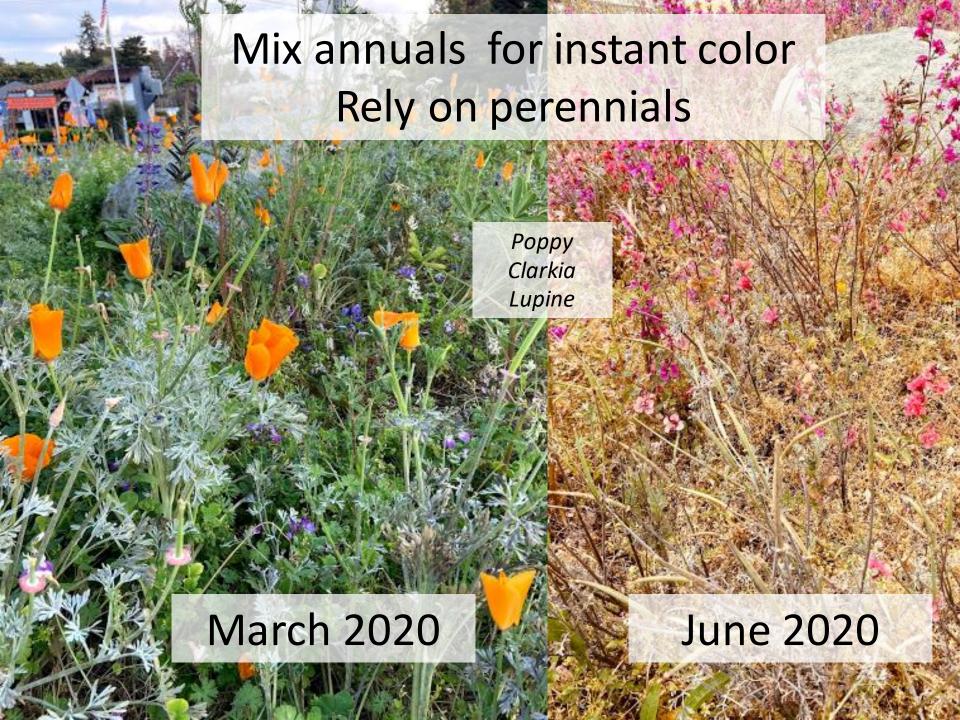
Tips for Laying Out Plants



- Contour the ground with a dry creek bed or varying sizes of rocks, logs and boulders.
- Scale your plant symbol to accurately reflect the mature width to allow for proper spacing.
- Group plants (other than specimens) in odd numbers: 3, 5, 7, 9
- Don't forget about the understory of trees great place for shade loving perennials
- Seed wildflowers throughout the dry creek beds to stabilize the slope and give pops of color.

Hydrozone: group plants together by water need







Finding Plants for Your Garden





Go on a Walk!

Observe what's doing well and what you like.

Apps available to identify plants using your phone camera.



California native plants at the Watershed Nursery in...

45 views • 1 month ago



Gardening with California native plants: Peter and...

Plant Tours & Demonstration Gardens

Bringing Back the Natives (Virtual)

Bringingbackthenatives.net

Sustainable Gardens Map ebmud.com/gardens-near-me

Botanical Gardens UC and Tilden



Native Landscape Planting Guide

Starting a native plant garden doesn't have to be complicated. This easy guide takes the guesswork out of which plants to use where. Simply choose one of the garden vignettes below and select from recommended native plants listed on the inside of your quide.

✓ Low Water Use ✓ Pollinator Friendly ✓ Locally Native :

Five Easy Project Ideas for your Garden



Homey Habitat

Featuring a bench and bird bath, you can take a seat in this habitat and enjoy all of the bustling activity in your yard!

Features: bench, bird bath, boulders.



Make a statement in your entryway! Be sure to choose plants with a variety of colors. Features: large pot, decorative round stones.



Pollinator Park

Add excitement to the parkway strip along your driveway by adding plants that butterflies and other pollinators love.

Features: stepping stones and contrasting colors.



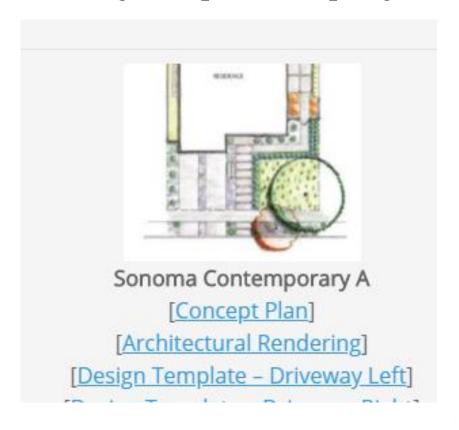
Designing your space vertically can add life to your yard. Use bold colors, and interesting shapes to make a flat area stand out. Features: rain chain, swale, trellis,

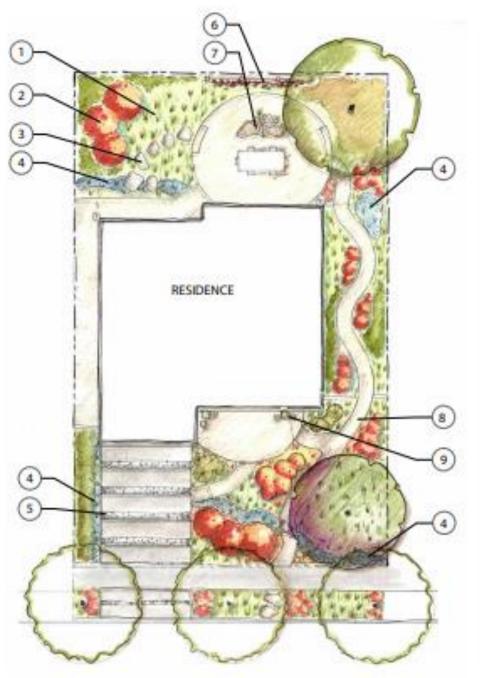
Wildlife Walkway

Take a stroll through your landscape. Use permeable materials for your pathway, such as stepping stones or decomposed granite. Features: permeable walkway, large boulders.

Landscape Design Templates

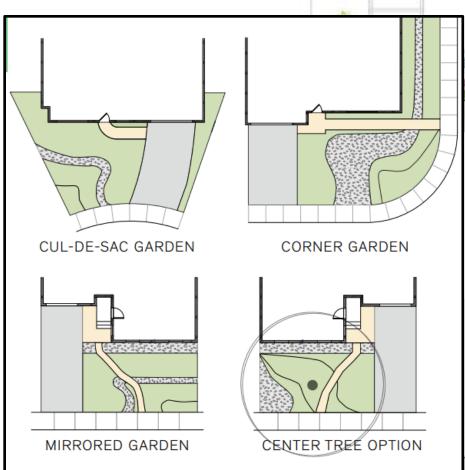
savingwaterpartnership.org

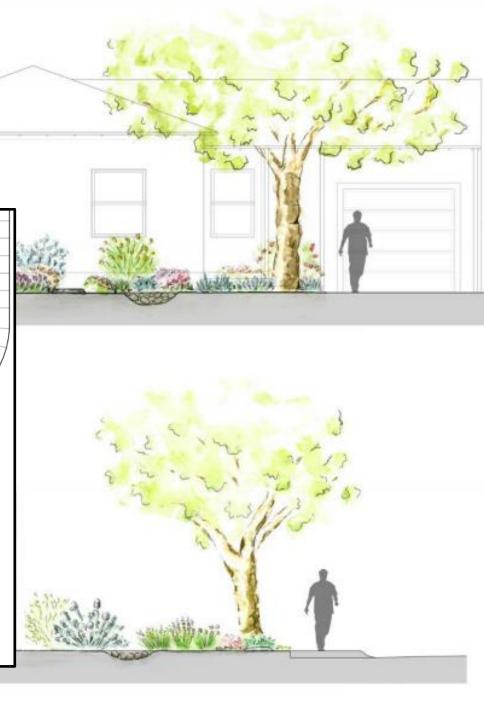




HOA resource:

Gardens for San Lorenzo

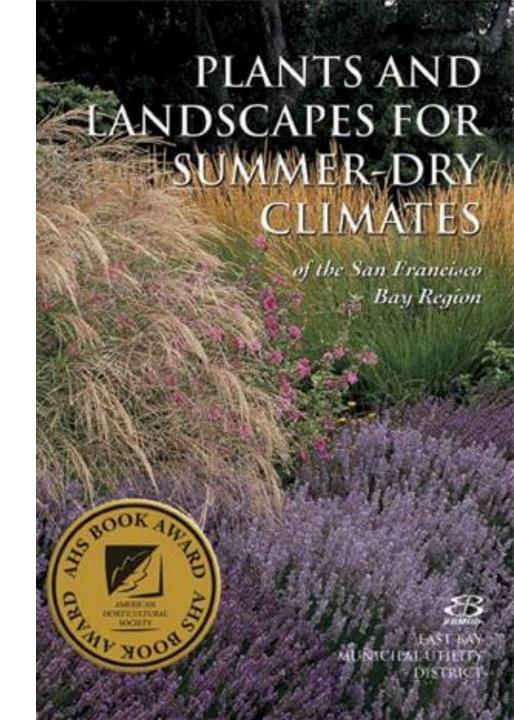




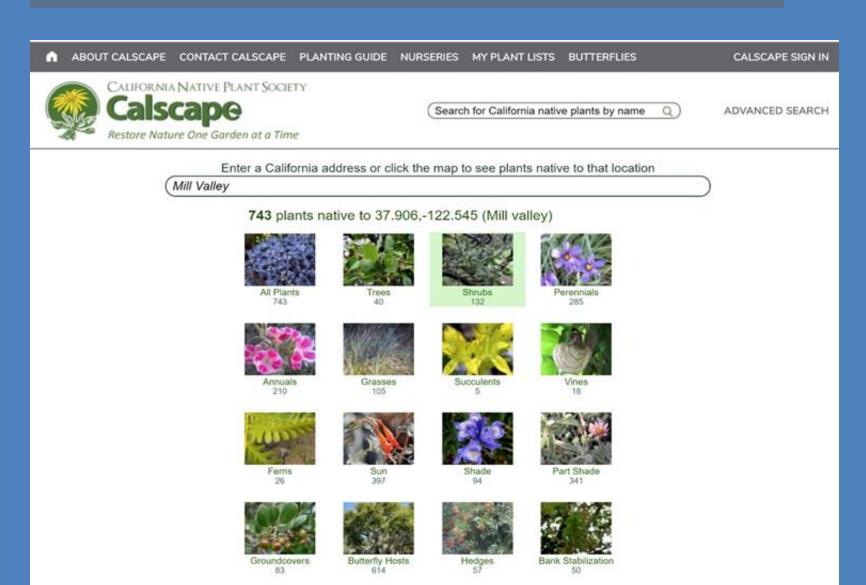
More Resources

- EBMUD Plant Book
- EBMUD low water use plant list
- Firescape Booklet
- Plant Databases:Calscape and WUCOLS

Ebmud.com/plants



Choosing Plants Can Be Easy



Pulling Design and Plants Together



Calscape Garden Planner

1 2 3 4

Find the perfect native plants for your garden in just 4 questions.







SUMMARY

Why Plant Choice Matters

(save water, improve aesthetics, inspire neighbors)

• California Native Plants

(biodiversity hotspot, foundation of ecosystems, adapted to dry summers)

Installation and Design Considerations

(sheet mulch, provide blooms year-round, hydrozone)

 Finding the Right Plants for Your Garden

(take a walk, visit a demo garden, on-line tools)

Resources and Rebates

Thank you!



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References to Perceptions of Low-Water Use Gardens

Torpey, Holly. 2017. "Spatiotemporal Spillover in Lawn-to-Garden Program Participation in Long Beach, California." Thesis Dissertation

Irvine Ranch Water District. 2016. "Multiplier Effect Pilot Study for Turf Removal Program." edited by Lindsey Stuvick and Haritha Vendra

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