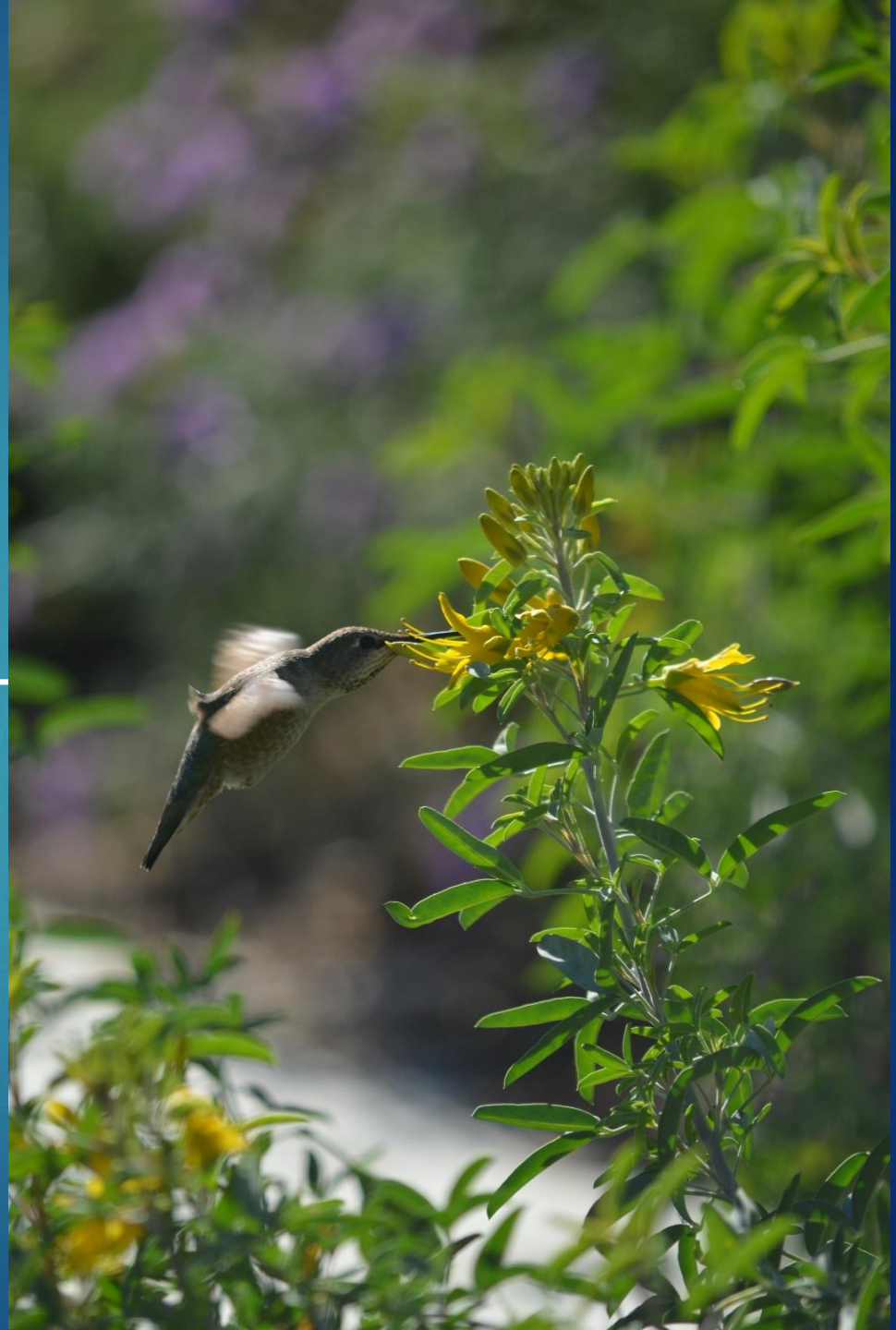




# The New California Garden



# REGENERATIVE GARDENS ARE...

Water Conserving

Beautiful Interesting

Low Maintenance

Alive

Sustainable

Habitat

Healthy

Long-lived

Welcoming

Healing

Diverse

Dynamic

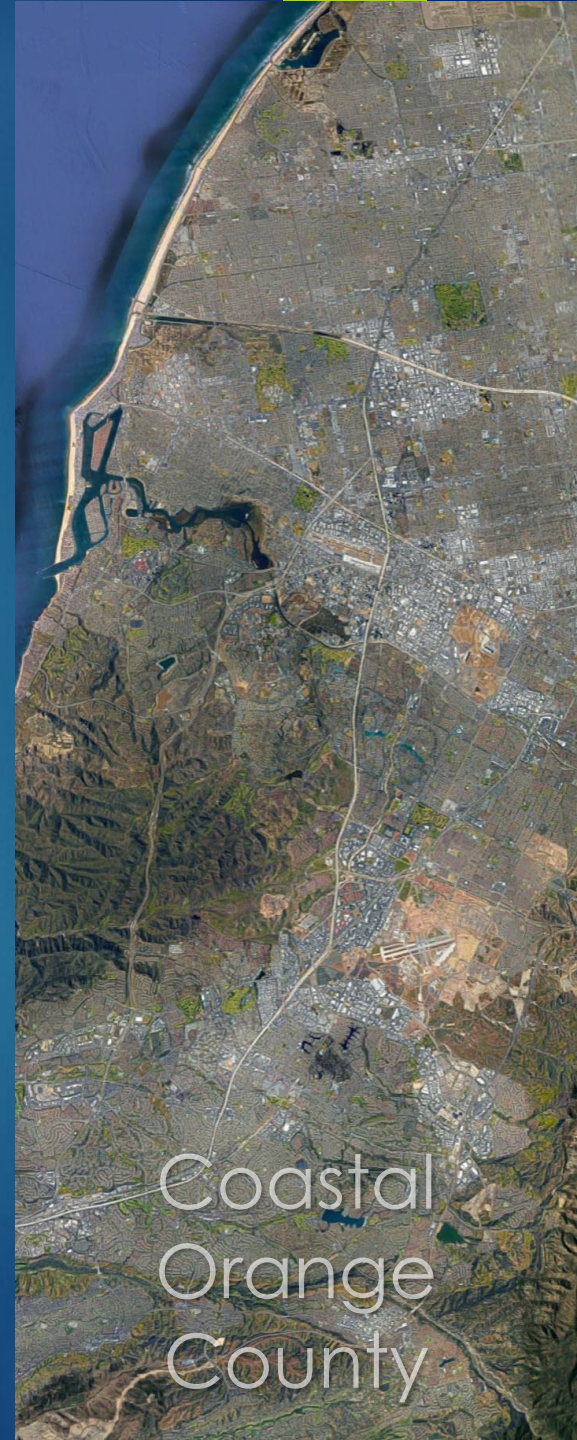
Climate-Appropriate






The **amount** of US land managed for **esthetics** is similar in scale to the land in corn cultivation (over 91M acres in 2014) or in **all** US national and state **parks** (99M acres).

Resources: USDA ERS





# The Watershed Approach

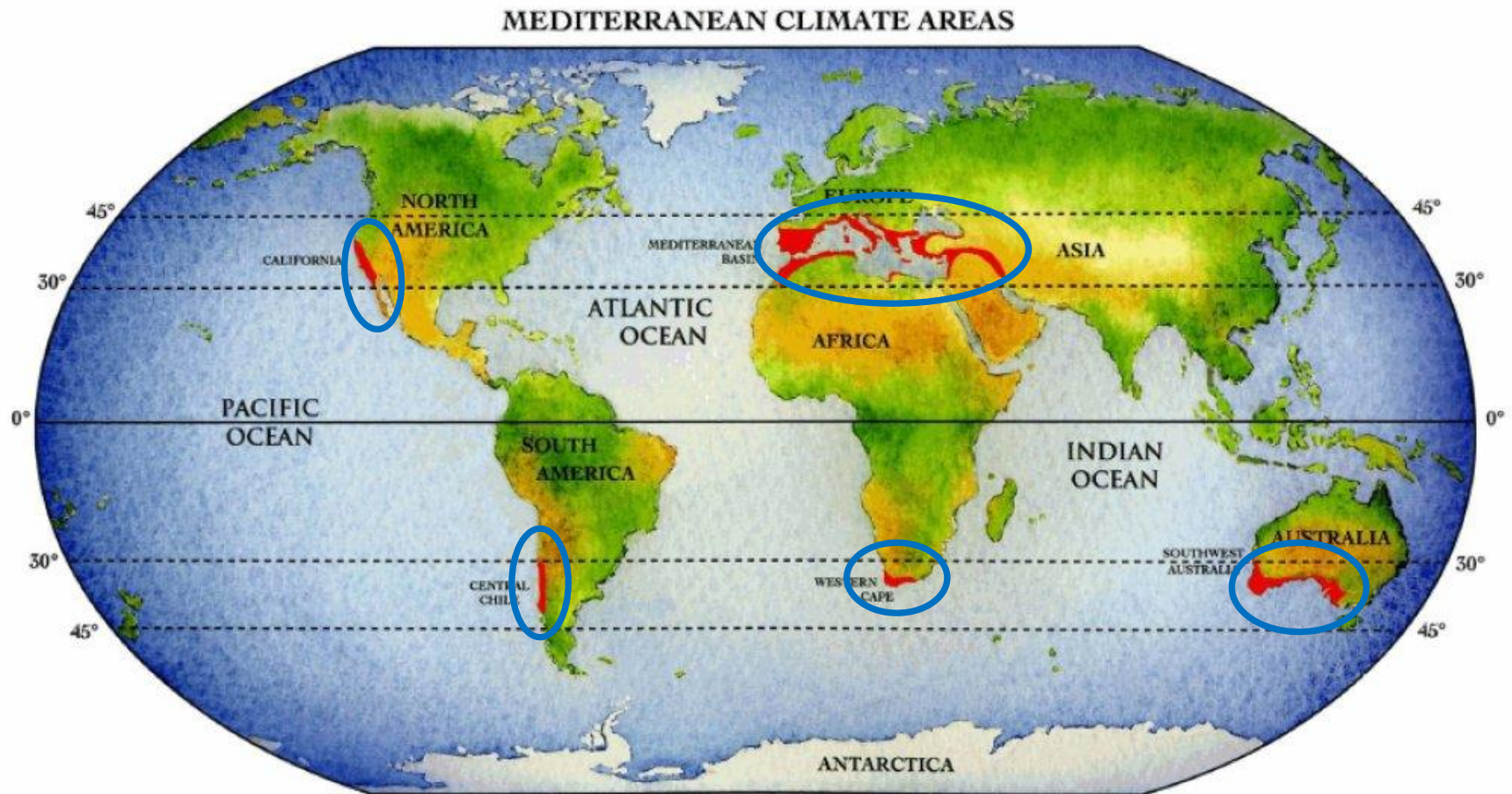
- Landscape *with* our Climate
- Build Living Soil
- Use Rainwater as a *Resource*
- Think Permeable
- Design with Native Plants
- Use Least Toxic Methods  
(IPM)



# Do we have an Identity Crisis?



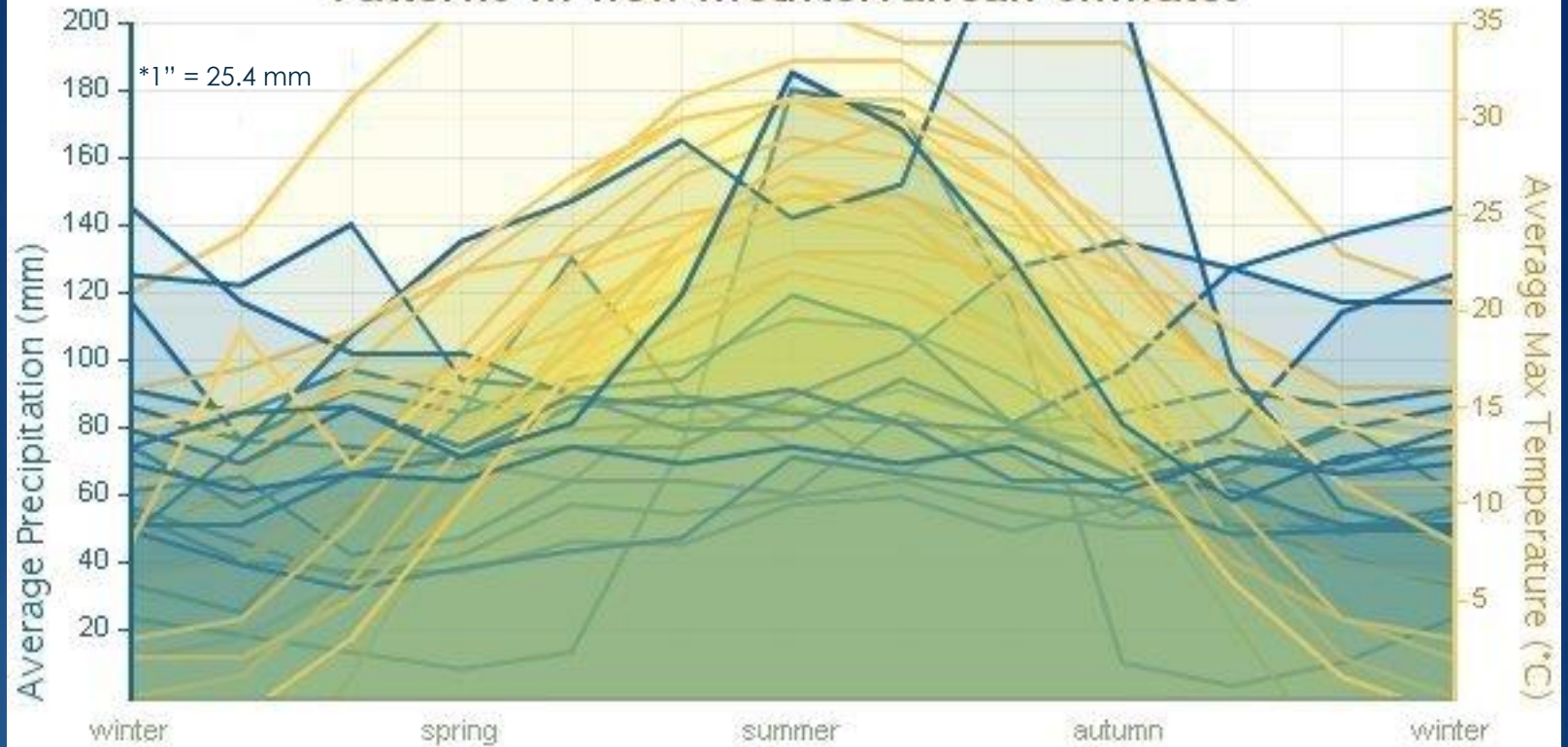
# Mediterranean Climate Zones



Source: Plants and Landscapes for Summer-Dry Climates of the San Francisco Bay Region East Bay Municipal Utility District 2004



## Patterns in non-mediterranean climates

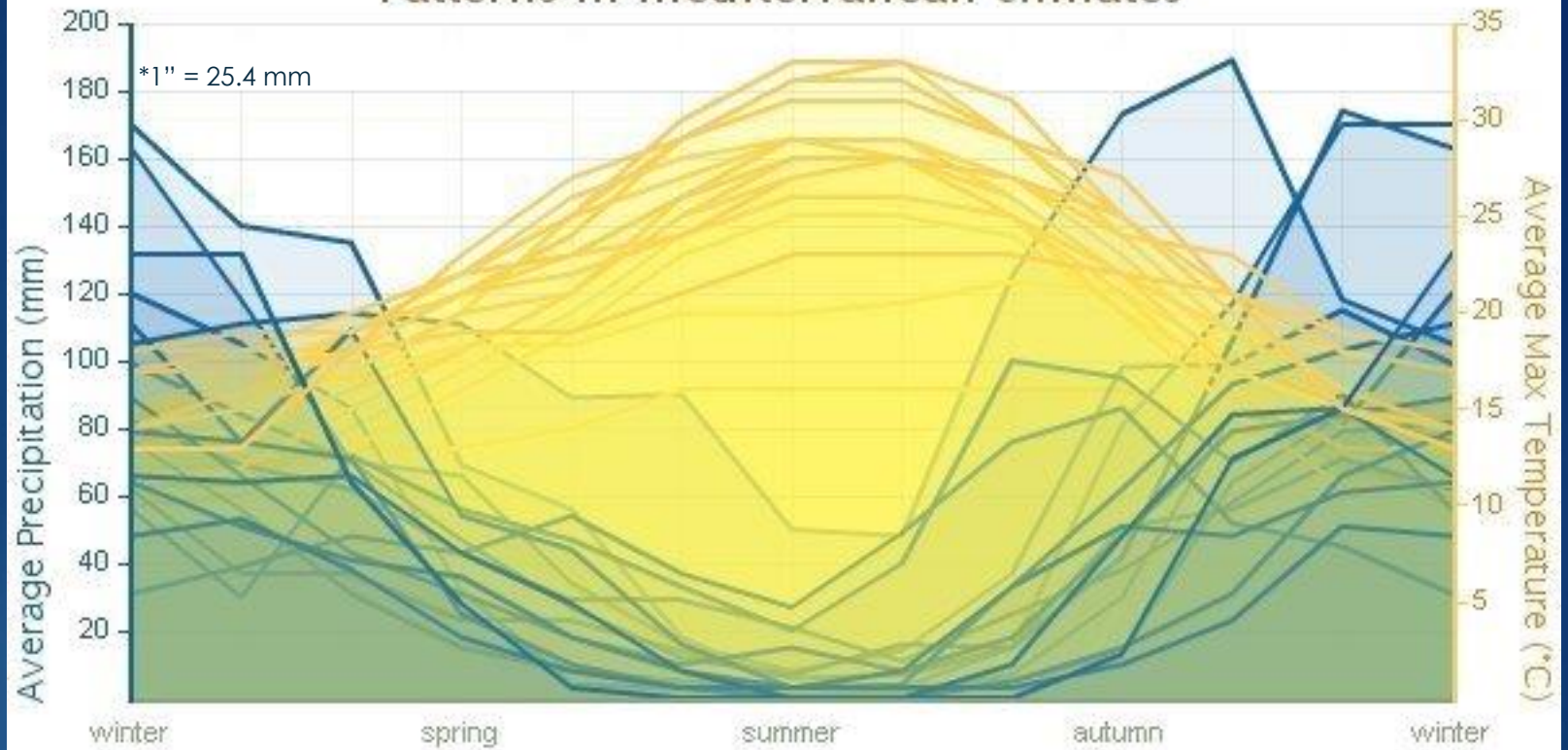


Blue: Avg Rainfall

Yellow: Avg Temp

Green: Gardening season!

## Patterns in mediterranean climates



Blue: Avg Rainfall

Yellow: Avg Temp

Green: Gardening season!





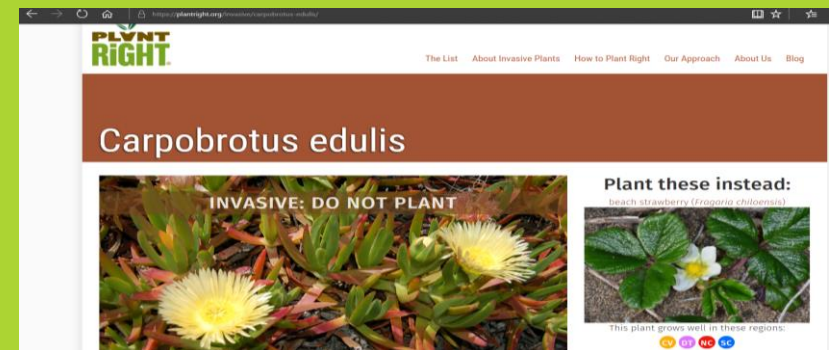
# Our Natural Landscape

# Designed for Salt?

- Native to swamps, salt marshes
- < 3% Native
- Feedback Loop
- Limited
- Includes IPC classified invasives

Table 3. Tolerance of landscape shrub species to salt spray (overhead irrigation with recycled water) and soil salinity.

Botanical name	Common name	Tolerance to salt spray <sup>(1)</sup>	Tolerance to soil salinity <sup>(2)</sup>
<i>Abelia grandiflora</i> Rehd.	'Edward Goucher' Abelia	S	S
<i>Acacia redolens</i> Maslin.	Prostrate Acacia	T	T
<i>Acalypha wilkesiana</i> Muell.	Copper Leaf	S	S
<i>Agave americana</i> L.	Century Plant	H	T
<i>Arctostaphylos densiflora</i> M.S.Bac	Vine Hill Manzanita	T	T
<i>Bambusa</i> sp. Schreb.	Bamboo	M	M



Garcia	Bromeliads	M	M
Caladium	S	S	S
Carissa macrocarpa A. DC.	Natal Plum	H	T
Carpobrotus edulis L. Bolus.	Hottentot Fig	H	T
Catharanthus roseus G. Don.	Periwinkle	T	M
Chlorophytum comosum Jacq.	Spider Plant	M	M
Cuphea hyssopifolia Kunth.	False Heather	M	T
Cyperus alternifolius L.	Umbrella Sedge	M	M
Delosperma 'Alba' N. E.	White Iceplant	H	H
Dietes spp. Salisb. ex Klatt.	African Iris	M	M
Drosanthemum hispidum	Rosea Iceplant	H	H
Schwantes.			
Ficus pumila L.	Creeping Fig	H	T
Hemerocallis sp. L.	Daylily	M	M
Iris hexagona Walter	Iris	M	M
Juniperus chinensis L.	Chinese Juniper	M	M
Juniperus conferta Parl.	Shore Juniper	T	T
Juniperus horizontalis	Creeping Juniper	H	T
Moench.			
Juniperus procumbens Siebold	Japanese Garden Juniper	M	M
ex Endl.			
Kalanchoe sp. Adans.	Kalanchoe	M	M

Data in the table adapted from Wu L. and Dodge L. 2005 Special Report for the Elvenia J. Slosson Endowment Fund (in press).

(1): Tolerances to salt spray are defined by the degree of salt stress symptoms developed



# Designed for 'Pests?'

The widespread replacement of millions of acres of native vegetation with primarily non-native ornamental plants in managed landscapes is a growing problem for the organisms that depend on native plants for food, shelter, and places to rear their young.

-US EPA







# Dirt Versus Soil





# One teaspoon of soil...is Alive!

**QUICK TIP!**

Test for  
**BIOLOGY *and***  
**CHEMISTRY.**

**AMEND FOR  
BIOLOGY  
FIRST!**







TO MINIMIZE SOIL  
COMPACTION

INCREASE LIFE IN SOIL



# Soil & Water Work Together



WATER – INFILTRATED!

Rainwater is:

- pH neutral
- Has no damaging salts
- No antibacterials (chloramine, fluoride, chlorine) to damage soil organisms.

Healthy Soil:

- Infiltrates
- Cleans and filters
- Holds water - stable





Seasonal rainwater capture  
Redirected to landscape



SLOW IT

QUICK TIP!

Look for Places  
to Eliminate  
Runoff

***Slow Spread  
& Sink Water***

SPREAD IT



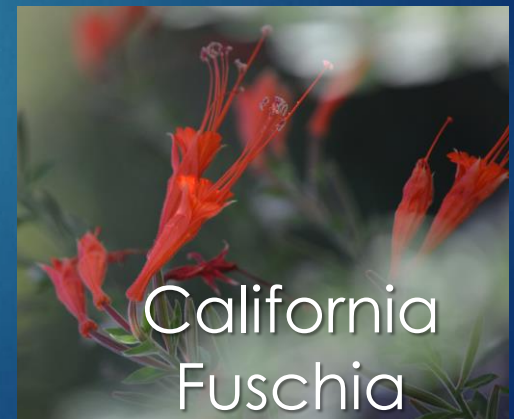
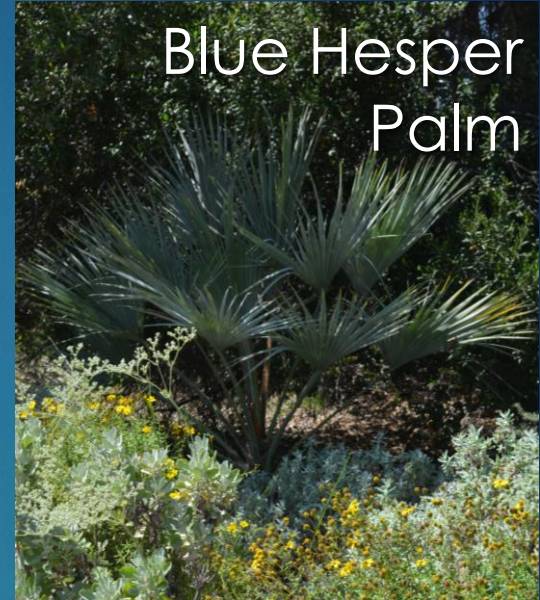
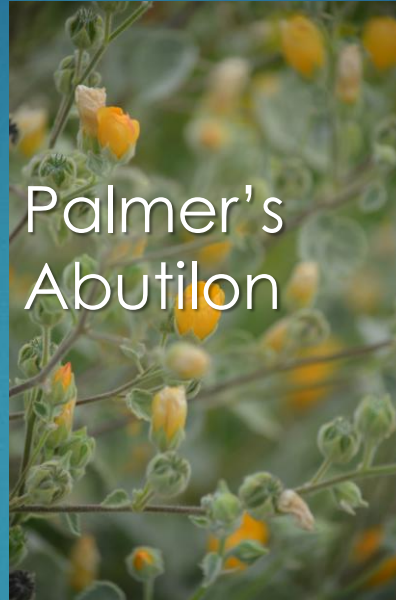
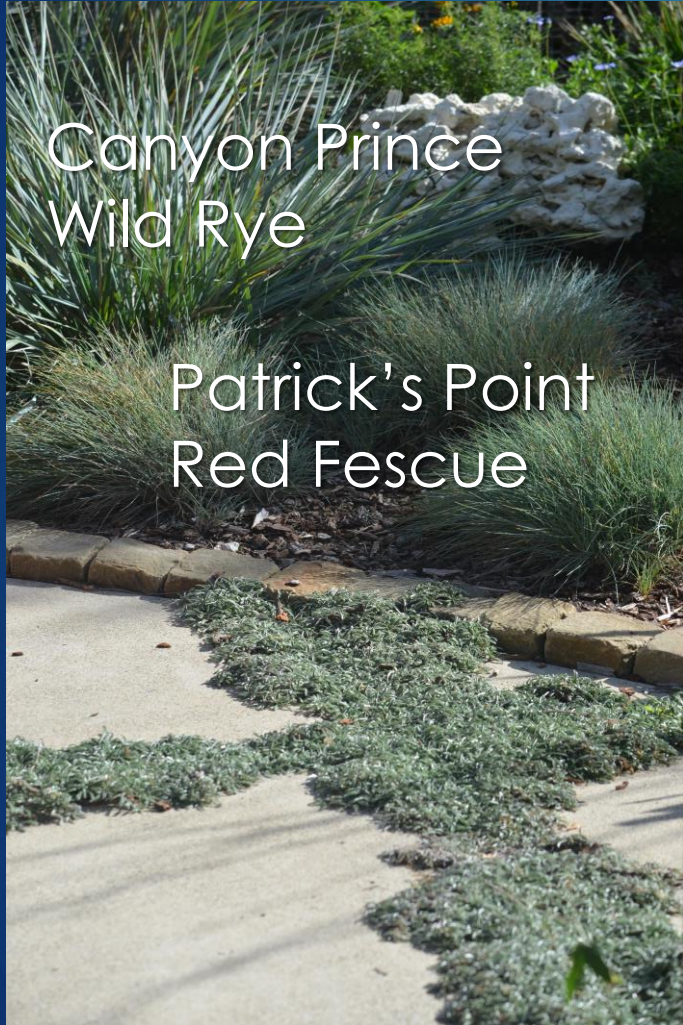


# Permeable Paving





# Plants: A Celebration of Place





# Engelmann Oak...Our Oak

**QUICK TIP!**

**CHOOSE  
NATIVE  
FIRST!**





# Subtle and Soft







# Dramatic and Bold





# Partners with a Purpose!



↕ Lady Beetle Adult and Larva



↕ Green Lacewing Adult and Larva



↕ Adult Mealybug Destroyer



1/4 inch long



1/8 to 4/5 inch long



1/8 to 4/5 inch long



# Respect Ancient Relationships



The New California Garden



# Cloudless Sulfur Butterfly





# Bugs Birds Eat...



**QUICK TIP!**

Ecology...Essential  
for Garden Health!



**Lizards, too!**



# Natural - Emphasizes Spirit of Place





# Practical Tips for HOAs

(...and other large managed landscapes)



**1. Design in Summer, Plant in Fall**

**2. Grade for Rain, not Runoff**

**3. Build Soil for Plant Health**

**4. Invite Beneficials of all Kinds**

**5. Reduce Summer Water after a Year**

**6. Choose Plants Carefully and Plant Right!**





Arroyo Lupine

Thank you!

JODIE COOK  
ASLA  
SITES AP  
WWLP  
LANDSCAPE DESIGN  
[www.jodiecookdesign.com](http://www.jodiecookdesign.com)  
949-291-8003