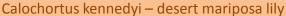


## **Arizona Plants: What's Not To Like?**



The Mission of the Green Valley
Gardeners shall be to promote gardening
education and related environmental
issues to its membership and the
gardening public through educational and
charitable means.







Allionia incarata – trailing windmills

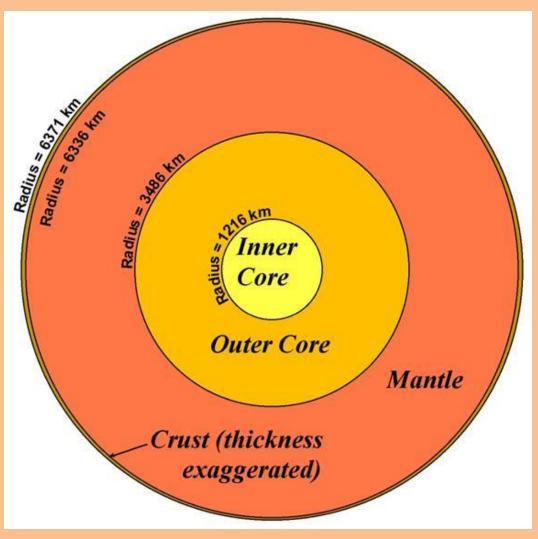
The Arizona Native Plant Society is a statewide nonprofit organization devoted to Arizona's native plants. Its mission is to promote knowledge, appreciation, conservation, and restoration of Arizona native plants and their habitats.



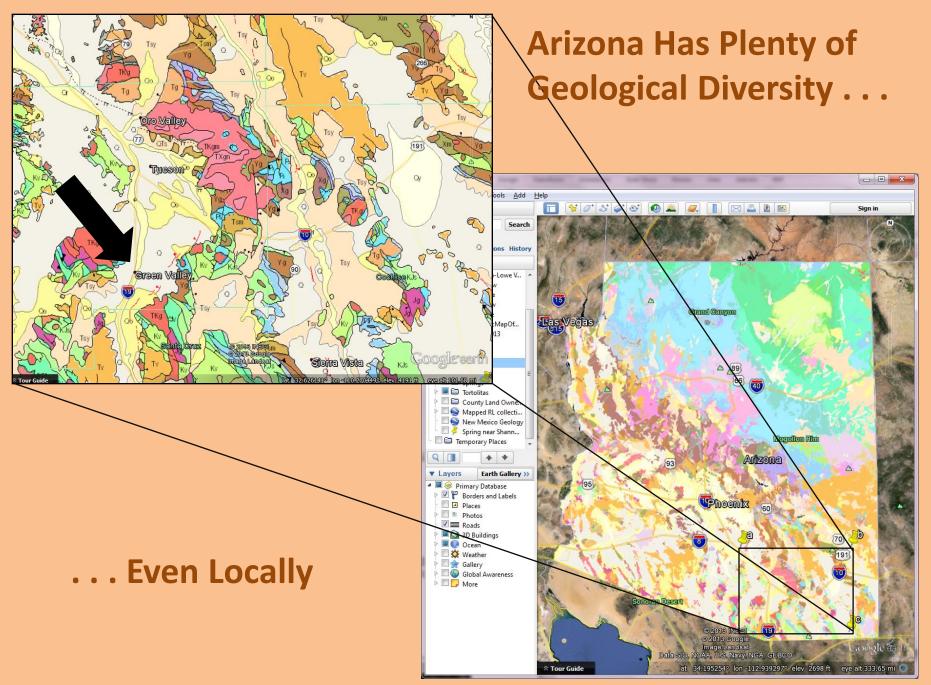
## Arizona's Diversity, Let's Start at the Beginning



Aquilegia desertorum - desert columbind

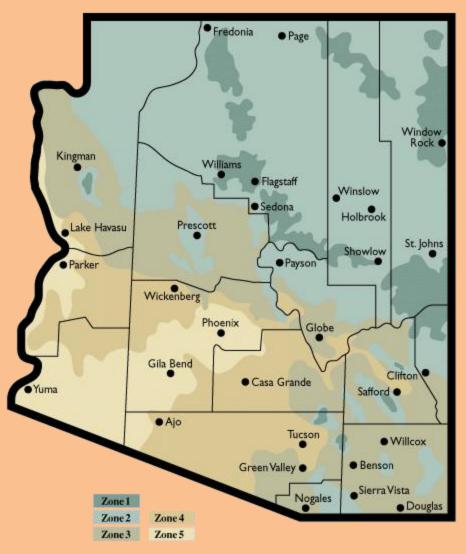


http://web.ics.purdue.edu/



http://data.azgs.az.gov/geologic-map-of-arizona/

### **Arizona Plant Climate Zones**



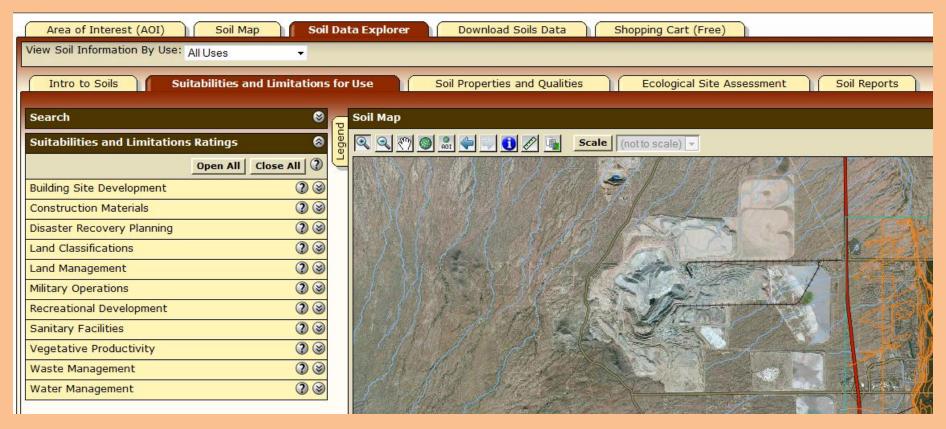
**University of Arizona College of Agriculture and Life Sciences** 



Cirsium arizonicum -Arizona thistle

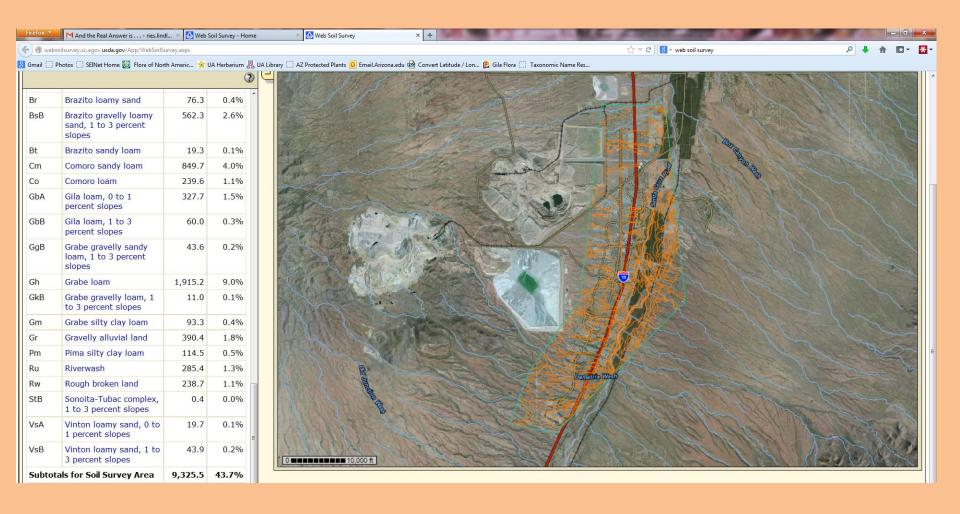
## What Does the Web Soil Survey Say?





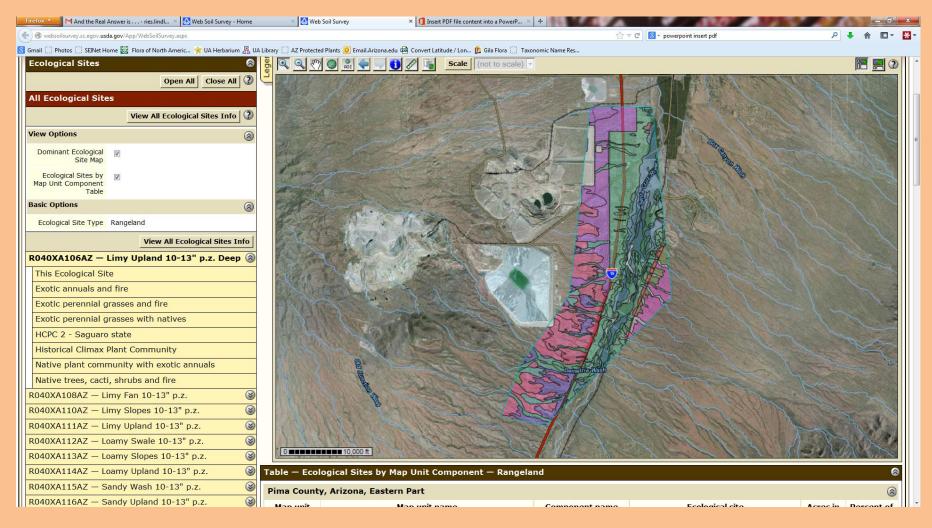
### Even in the urban area alone, there are lots of soil types





## **Plenty of Ecological Sites**

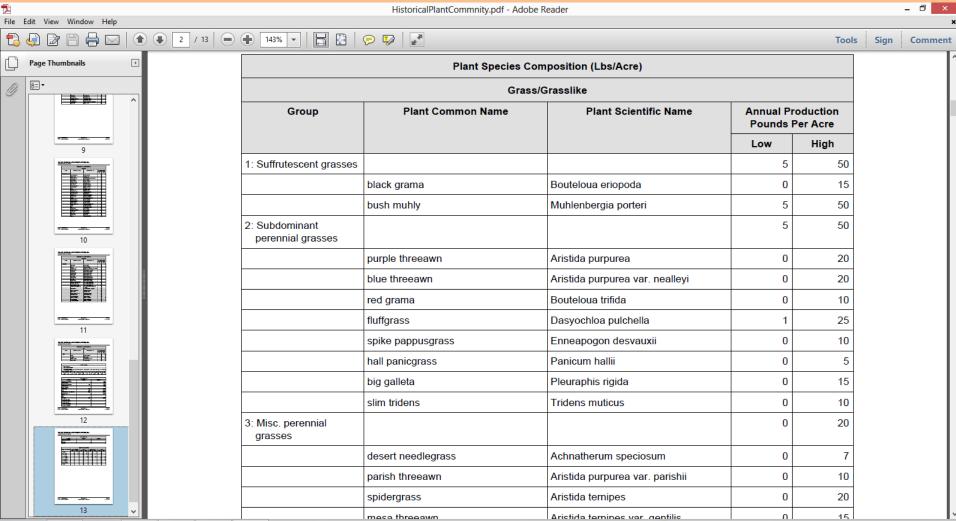




# 13 Pages of Historical Climax Plant Community

0



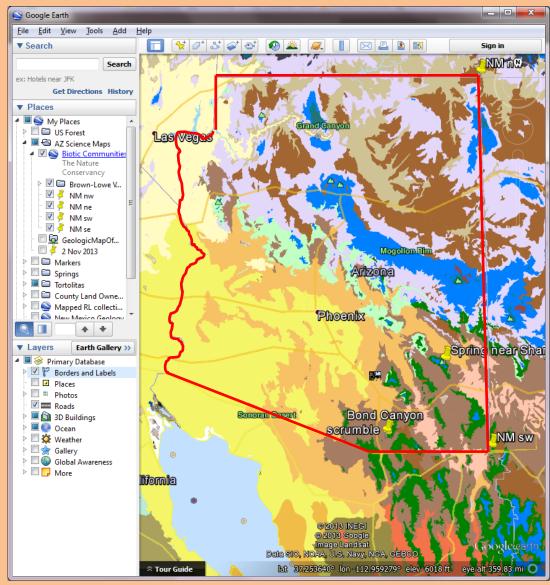


## Arizona is home to 4200 species of plants

There are about 18,700 species of plants in the US



- SONORAN DESERTSCRUB
- SEMIDESERT GRASSLAND
- CHIHUAHUAN DESERTSCRUB
- MOHAVE DESERTSCRUB
- GREAT BASIN DESERTSCUB
- INTERIOR CHAPPARAL
- MADREAN EVERGREEN WOODLAND
- PETRAN MONTANE CONIFER FOREST
- PETRAN SUBALPINE CONIFER FOREST
- GREAT BASIN CONIFER WOODLAND
- PLAINS AND GREAT BASIN GRASSLAND
- ALPINE TUNDRAS



http://azconservation.org/downloads/category/gis

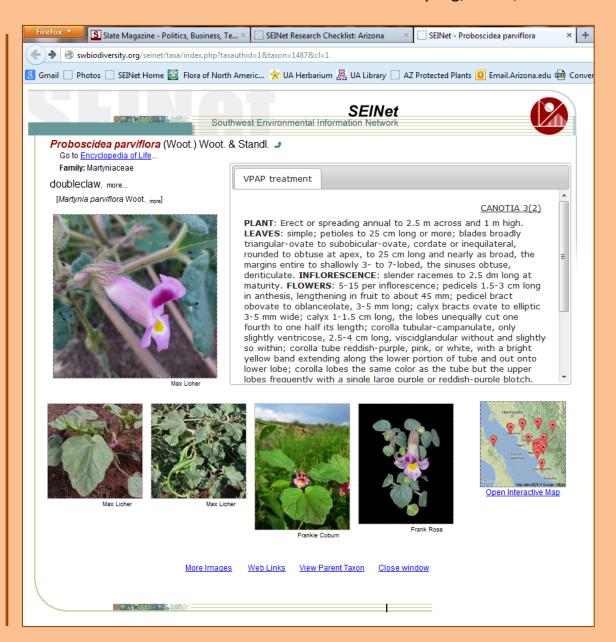
### Welcome to SEINet

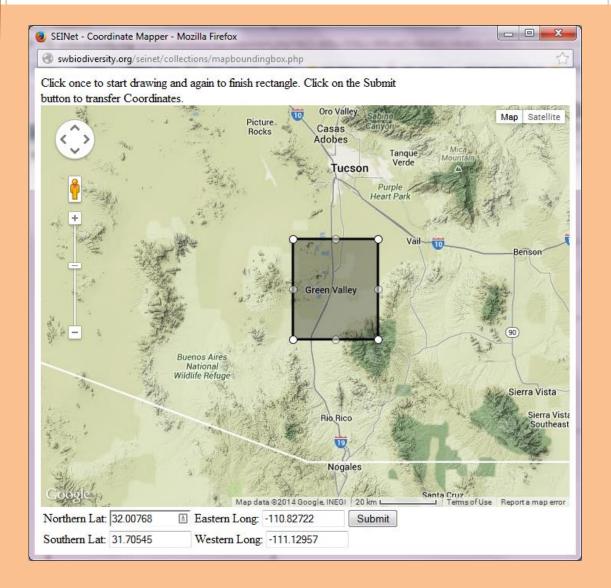
SEINet is more than just a web site - it is a suite of data access technologies and a distributed network of departments, museums and agencies that provide environmental information. Initially created to integrate databases within the Arizona State University, SEINet is growing to extend this network to other partners within the Southwest.

#### Symphyotrichium – prairie aster



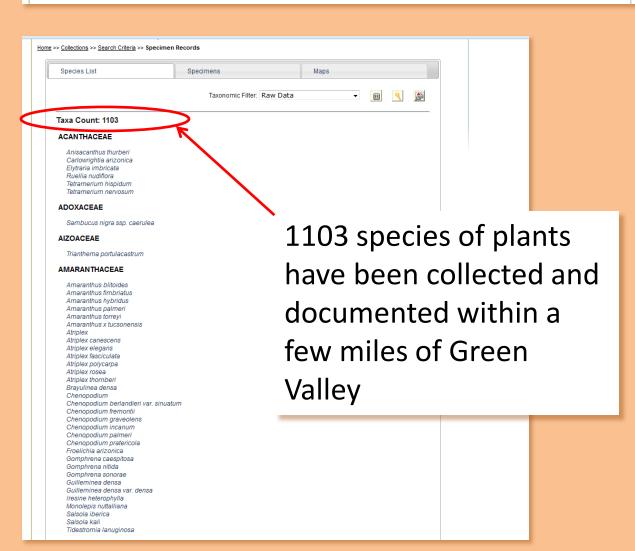
#### swbiodiversity.org/seinet/













Parry penstemon

# With all this diversity, why do we buy plants outside our biotic community?



Asclepias asperula

Spider milkwee

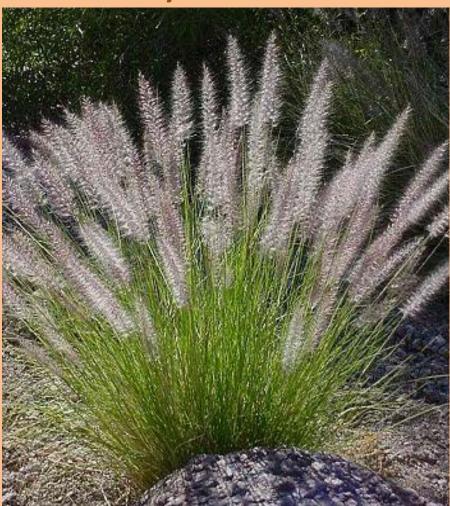
Is it because nonnatives just have some certain je nais se quoi?



Derek Ramsey Wikemedia Commons

## Expectations: having them is good, keeping them real is even better

What you're sold



What you get



## Which grass is native and which is an invasive exotic?





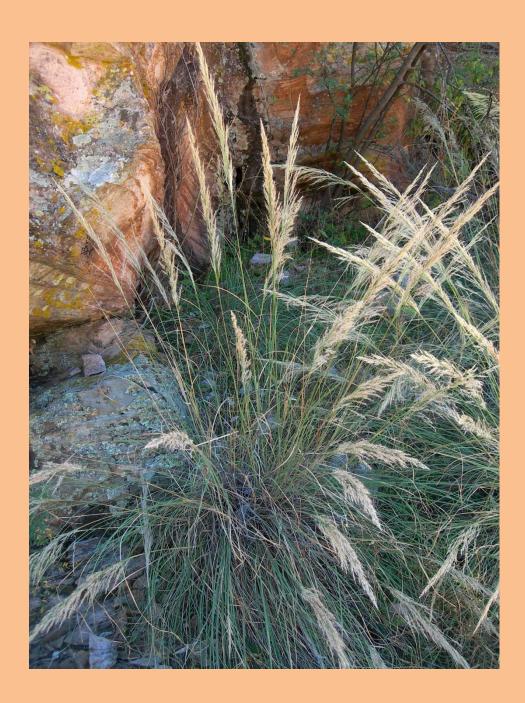
## **Bull Muhly**

### Muhlenbergia emersleyi

According to High Country Gardens: "It thrives in most any soil as long as the drainage is good. It loves a full sun position in the garden but will do well in partial shade if it gets a half day of sun."

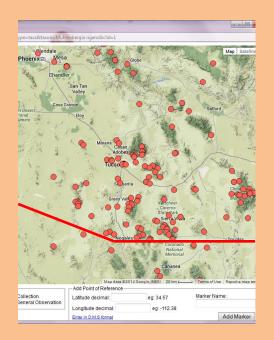
http://www.waterwisegardening.com/archives/1186

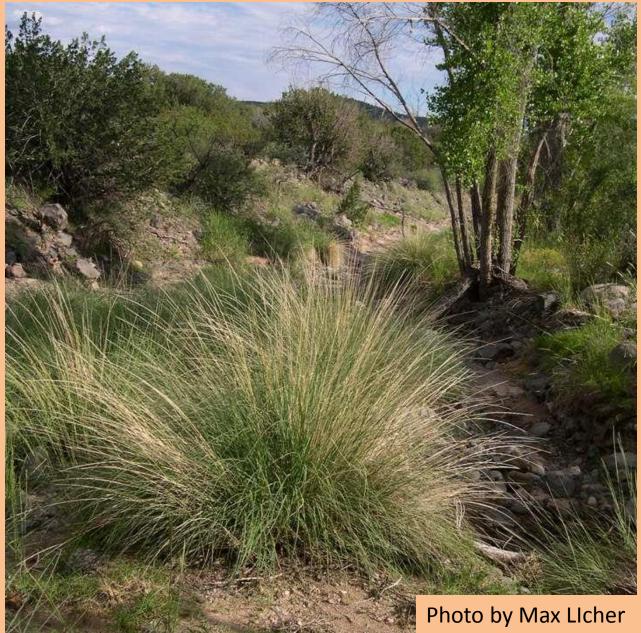


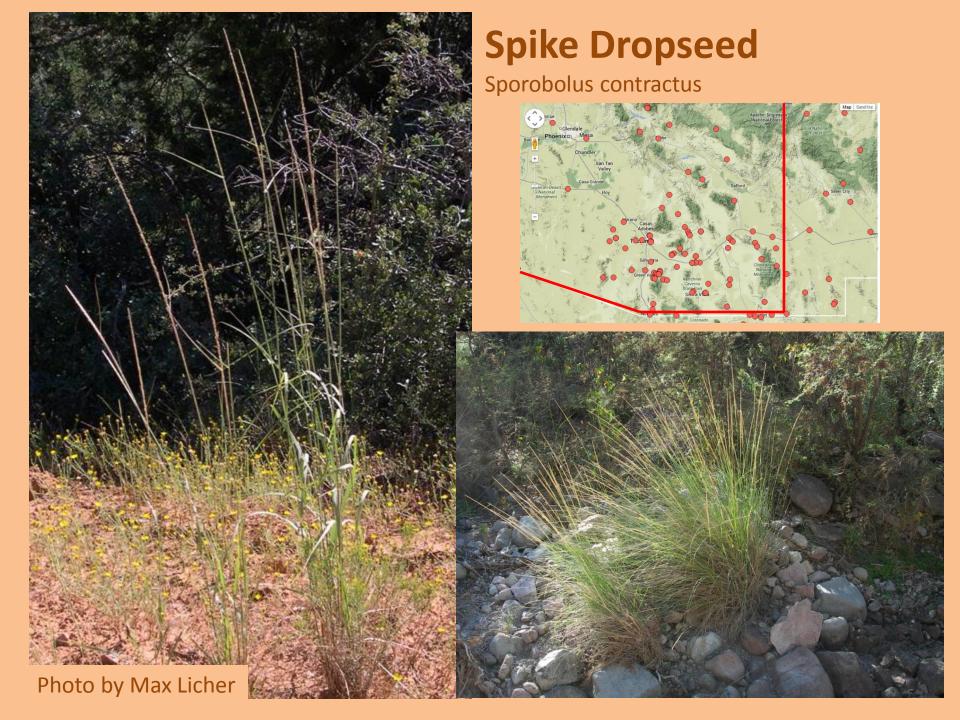


## **Deer Grass**

Muhlenbergia rigens

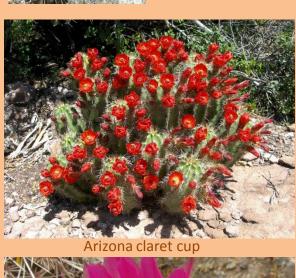








So what's the problem?
Are natives boring?
Not enough color?
Not enough variety?





Scarlet hedgehog







pinkflower hedgehog

Are there any stumpy cactus in other colors? Too white?
Too yellow?











## Need it to bloom all year? We have that too



Hibiscus coulteri - desert rosemallow



Glandularia gooddingii – goodding verbena

Eriogonum brachypodum Eriogonum deflexum Eriogonum trichopes Castilleja lanata Nicotiana glauca Glandularia gooddingii Larrea tridentata Eleocharis radicans Argemone polyanthemos Stellaria media Lobularia maritima Bidens pilosa Eleocharis flavescens Eleocharis montana Loeselia glandulosa Barkleyanthus salicifolius Ricinus communis Cerastium fontanum Cerastium glomeratum Coreopsis tinctoria Waltheria indica Sphaeralcea ambigua Lagascea decipiens

Justicia californica Mesembryanthemum crystallinum Froelichia arizonica Tidestromia suffruticosa Cynanchum arizonicum Baccharis sergiloides Bebbia juncea Calyptocarpus vialis Conyza bonariensis Psathyrotes ramosissima Psilostrophe cooperi Stephanomeria pauciflora Trixis californica Heliotropium curassavicum **Bulbostylis juncoides** Chamaesyce melanadenia Chamaesyce pediculifera Chamaesyce polycarpa Phaseolus filiformis Hyptis emoryi Hibiscus coulteri Argemone gracilenta Pleuraphis mutica

Bebbia juncea - sweetbush

## More all-year bloomers



Sphaeralcea ambigua – desert globemallow

## **Gardening is elementary**

### Some of the elements are:

- Light
- Contrast
- Texture
- Pattern
- Rhythm
- Form
- Scale
- Beauty
- Perception



Datura discolor – desert thorn-apple

## Light: let nature do the work



## **Contrast**



Fraxinus velutina – velvet ash



## Texture, pattern, and rhythm

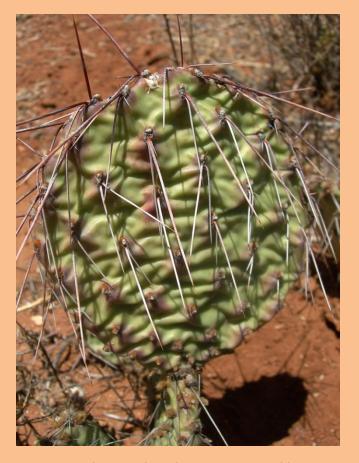


Echinocereus arizonicus – Arizona claraet cup

## Texture, pattern, and rhythm



Arctostaphylos - manzanita

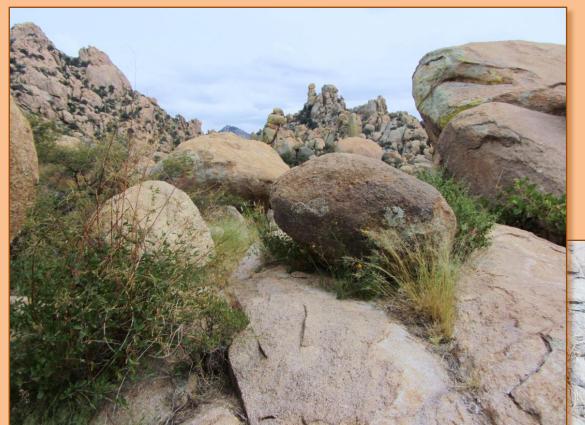


Opuntia phaecantha – brownspine prickly pear

## Form may be provided by the landscape



marble, a metamorphic limestone

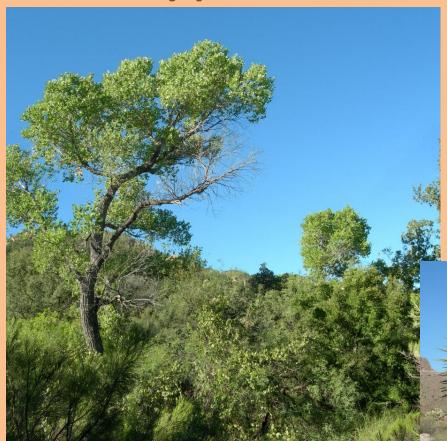


granite



shale

## Or by plants

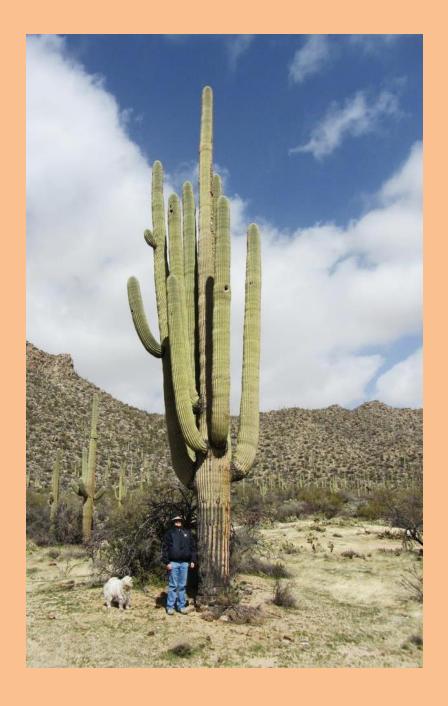


Populus fremontii – Fremont cottonwood



Acacia greggii – catclaw acacia

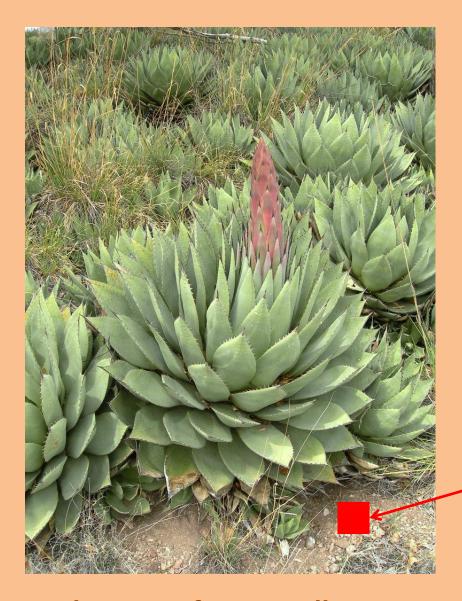
Yucca schidigera – Mohave yucca



## Scale

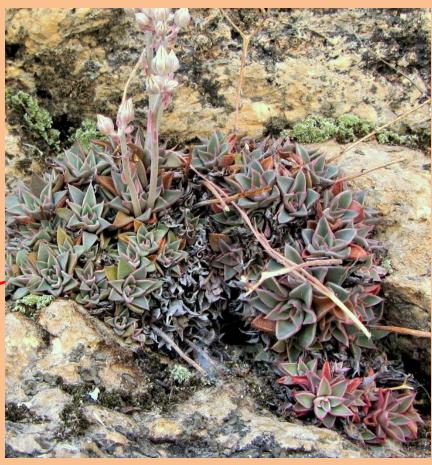






The same for a smaller garden

### One form for a big garden



San Francisco River leatherpetal



Portulaca unbraticola

Flowers don't need to be big to be beautiful



Bouteloua chondrosioides - Sprucetop gramma

## Things to remember



There are plants without flowers, and they are still beautiful





All that grows is not a plant



## Beauty is where you find it



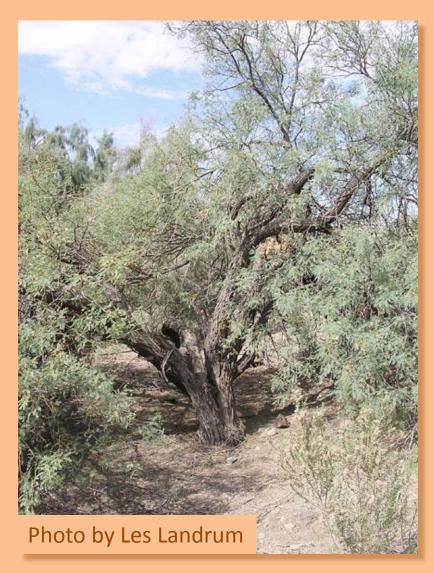


## Is it really native? A few squishy rules to live by

- 1. Find out the scientific name
- 2. Look it up in SEINet
- 3. Look it up in the USDA Plants
  Database
- 4. Make the call



**Honey Mesquite** 





**New SEINet Account** 

Help

Home > Arizona Flora > Arizona

#### Arizona \ Games



Authors:

Publication: Compilation of Vascular Plants of Arizona Project, Flora of North America, and information found Arizona Collection Herbaria More Details

Families: 1 Genera: 1

Species: 1 (species rank)

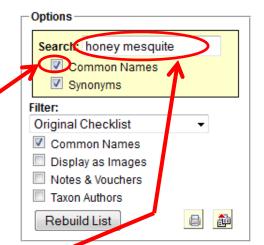
Total Taxa: 1 (including ssp. and var.)

#### **FABACEAE**

Prosopis glandulosa var. torreyana - western honey mesquite

Check the box for "Common Names"

> Then type in the common name





#### SEINet

Southwest Environmental Information Network



Prosopis juliflora var. torreyana L. Benson 🧈 Go to Encyclopedia of Life...

(redirected from: Prosopis glandulosa var. torreyana)

Family: Fabaceae

Western Honey Mesquite, more,

Plants of Gila Wild

[Prosopis glandulosa ssp. torreyana (L.D.Benson) E.Murr (V more)



the Dale A. Zimmerman Herbarium

: The flowers are light yellow in drooping spikes a somewhat constricted fruits. The fruits consist of outer covering (hull or exocarp) with somewhat a material (called the mesocarp) coating a white to covering around a brown seed. The leaves are ac usually 2 pinnae each having up to 30 leaflets. At pinnae can be found a small extra floral nectary of glandulosa var. torreyana grows at lower to middl any habitat.

Click here . . . and here to expand all the common names as well as the scientific names





L. R. Landrum



L. R. Landrum





Robert Sivinski



More Images Web Links View Parent Taxon Close window



#### United States Department of Agriculture

### Natural Resources Conservation Service



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prosopis glandulosa

Scientific Name

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- Search Help

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- Alternative Crops
- Characteristics
- Classification
- Cover Crops
- Culturally Significant
- Distribution Update
- Documentation
- Fact Sheets & Plant Guides
- Introduced, Invasive, and Noxious Plants
- Threatened & Endangered
- Wetland Indicator Status

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The PLANTS Database provides standardized information about the vascular plants, mosses, liverworts, hornworts, and lichens of the U.S. and its territories.

#### Plant of the Week



swamp milkweed Asclepias incarnata L.

Click on the photo for a full plant profile.

#### **Spotlights**

ou are here: Hom GENERAL

Carex cherol

Redesigned profile pages: Tabs

PLANTS has redesigned its profile pages for species and genera, now presented in tabs instead of across one large page. Your feedback has helped us improve our new design, and we welcome your additional input.



#### 2013 National Wetland Plant List

The wetland indicator status ratings from the 2013 National Wetland Plant List (NWPL) are now on our species profile pages and are fully searchable.



#### Pocket Guide to Sagebrush

Funded partly by NRCS, a new guide to sagebrush is available. Written by Leila Shultz and produced by SageSTEP, this guide covers the characteristics distribution and habitats of 18

#### I Want To ...

- See a list of the plants in my state
- Learn about the wetland plants in my region
- Learn about all the endangered plants of the U.S.
- Learn about noxious and invasive plants
- Search for and view images of plants
- Read and print abstracts about important conservation plants
- Download data or posters
- Contribute plant distribution information

to PLANTS

- Get ecological descriptions
- of sites from around the country
- View the USDA Plant Hardiness Zone Map

#### I Want Help

- Introduction to PLANTS
- Frequently Asked Questions
- Citing the PLANTS Database
- Conditions of Image and Data Use

http://plants.usda.gov/



This plant is native in the lower Natural Resources Conservation Servi 48 and introduced in Hawaii and the Virgin Islands



Scientific Name - Go

- O State Search
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- Characteristics
- ▶ Classification
- ▶ Cover Crops
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#### Related Tools

▶ Crop Nutrient Tool Feelegical Site Information Prosopis glandulosa Torr. honey mesquite

You are here: Home / Plant Profile



General Information	
Symbol:	PRGL2
Group:	Dicot
Family:	Fabaceae
Duration:	Perennial
Growth Habit:	Tree Shrub
Native Status:	VI I HI I L48 N
Plant Guide (pdf) (doc)	
Data Source and	Documentation



L48 N

Show Tabs

## Arizona Native Plant Society





- Visit us on facebook
- Get on the email list
- Come to a meeting
- Get involved



aznps.com

