

# The low-elevation flora of southern New Mexico

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Where?





Why grow native plants?





# Why grow native plants?





# Why grow native plants?



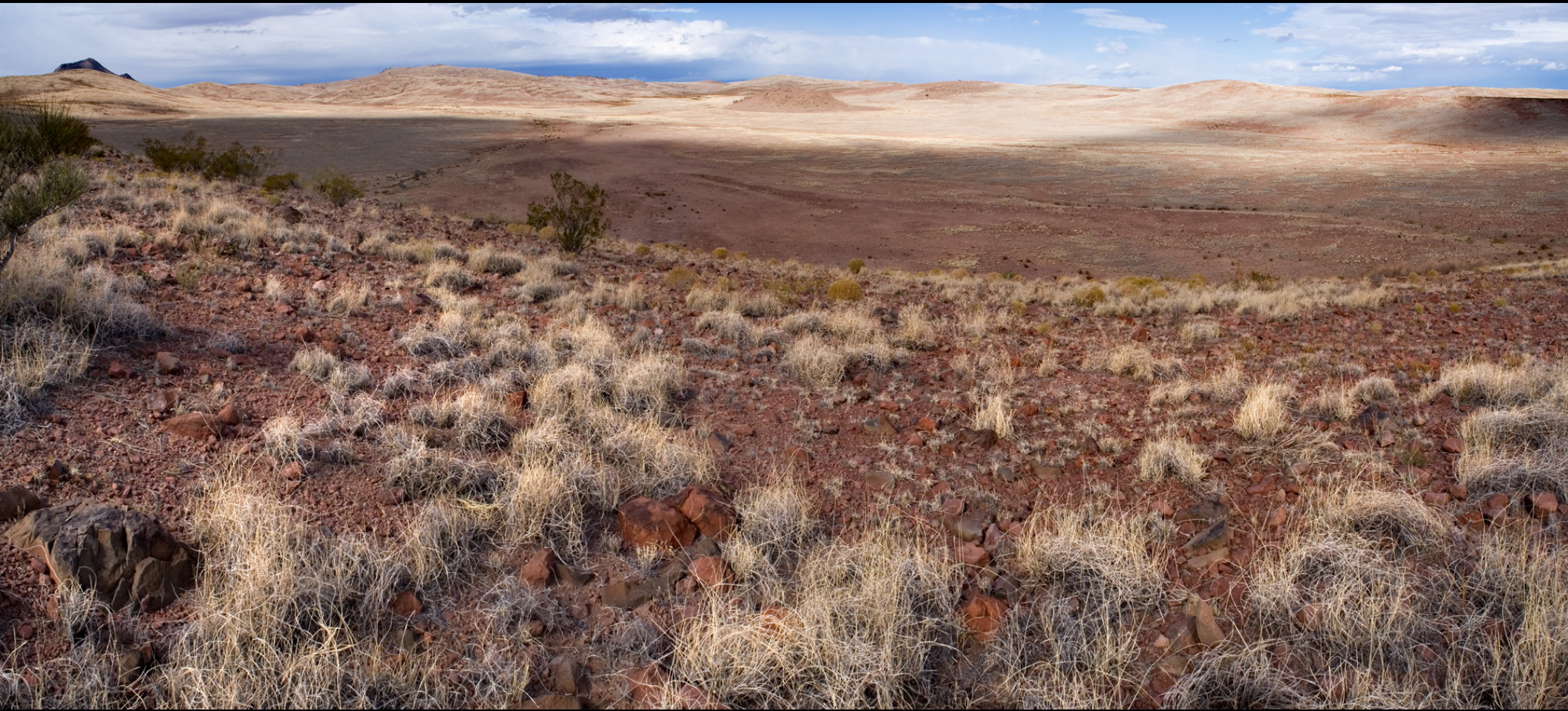


# Why grow native plants?





# Why grow native plants?





Why grow  
native plants?





# A brief critique of current use of native plants:

## I. "Native" is used very loosely:

- nearby, but not really **here**;
- or... just plain not native!





# A brief critique of current use of native plants:

- Ladybird Johnson Wildflower Center recommended plants:
  - about 32% are typical native species for our area
  - another 18% or so are native to the area, but rare or atypical
- plants at the annual UTEP plant sale:
  - about 24% are typical native species for our area
  - another 9% or so are native to the area, but rare or atypical





# A brief critique of current use of native plants:

- autumn sage (*Salvia greggii*)





# A brief critique of current use of native plants:

- texas sage (*Leucophyllum frutescens*)



phuonglovejesus



# A brief critique of current use of native plants:

2. Conventional xeriscaping doesn't look like anything you would find outside town.





# A brief critique of current use of native plants:

## 3. Black plastic.





# Onward!

- But, isn't the low-elevation flora around here, well... *boring?*





# Diversity.

- There are about 23 plant species there ↓





# Diversity.

- Overall, about 800 plant species--about as much as England.
- Biggest families: sunflowers, grasses, legumes.





# Diversity.

And it's not all just creosote shrubland.





# Diversity.

Tarbush shrubland. *Flourensia cernua*.





Diversity.

Tobosa grassland. *Pleuraphis mutica*.





Diversity.

Tobosa grassland. *Pleuraphis mutica*.





Diversity.

Black grama grassland. *Bouteloua eriopoda*.





Diversity.

Black grama grassland. *Bouteloua eriopoda*.





Diversity.

Mesa dropseed grassland. *Sporobolus flexuosus*.





Diversity.

Burrograss grassland. *Scleropogon brevifolius*.





Diversity.

Shadscale shrubland. *Atriplex obovata*.





Diversity.

Shadscale shrubland. *Atriplex obovata*.





Diversity.

Blue grama grassland. *Bouteloua gracilis*.





Diversity.

Oddball plant communities, too. I don't know what you call this.





Diversity.

Oddball plant communities, too. I don't know what you call this.





# Diversity.

Oddball plant communities, too. I don't know what you call this.





Diversity.

And that's all before you get to the mountains!





The gist being...

Even in the “boring” parts of southern New Mexico, we have lots of ecological diversity and lots of native plants to work with.





# Maybe we could grow these?

A few local plants that I haven't seen for sale... but would make Las Cruces look a bit more like **New Mexico!**





Trailing windmills, *Allionia incarnata* var. *villosa*





Trailing windmills, *Allionia incarnata* var. *villosa*





Othake, *Palafoxia sphacelata*





Othake, *Palafoxia sphacelata*





Flaxflowered ipomopsis, *Ipomopsis longiflora*





Flaxflowered ipomopsis, *Ipomopsis longiflora*





Hairyseed bahia, *Bahia absinthifolia*





Hairyseed bahia, *Bahia absinthifolia*





Pricklyleaf dogweed, *Thymophylla acerosa*





Pricklyleaf dogweed, *Thymophylla acerosa*





Dakota vervain, *Glandularia bipinnatifida* var. *brevispicata*





Dakota vervain, *Glandularia bipinnatifida* var. *brevispicata*





Threadleaf ragwort, *Senecio flaccidus*





Threadleaf ragwort, *Senecio flaccidus*



Petrified Forest N.P.



Threadleaf ragwort, *Senecio flaccidus*





Spectacle-pod, *Dimorphocarpa wislizeni*





Spectacle-pod, *Dimorphocarpa wislizeni*





Spectacle-pod, *Dimorphocarpa wislizeni*





Fendler's bladderpod, *Physaria fendleri*





Fendler's bladderpod, *Physaria fendleri*





lyreleaf jewelflower, *Streptanthus carinatus*





lyreleaf jewelflower, *Streptanthus carinatus*





Mesa dropseed, *Sporobolus flexuosus*





Mesa dropseed, *Sporobolus flexuosus*





Mesa dropseed, *Sporobolus flexuosus*





Arizona cottontop, *Digitaria californica*





Arizona cottontop, *Digitaria californica*





Arizona cottontop, *Digitaria californica*





Black grama, *Bouteloua eriopoda*





Black grama, *Bouteloua eriopoda*





Black grama, *Bouteloua eriopoda*





Silver bluestem, *Bothriochloa laguroides*





Silver bluestem, *Bothriochloa laguroides*





Cane bluestem, *Bothriochloa barbinodis*





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Sitemap

Southwest Environmental Information Network

**SEINet**

**Welcome to SEINet**


The Southwest Environmental Information Network was created to serve as a gateway to distributed data resources of interest to the environmental research community in Arizona and beyond. Through a common web interface, we offer tools to locate, access and work with a variety of data.

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.

To learn more about the features and capabilities available through this site, read [Making Good Use Of SEINet](#) or visit the [Symbiota Help Pages](#). Join SEINet as a regular visitor and please send your feedback to [seinetAdmin@asu.edu](mailto:seinetAdmin@asu.edu). Visit the [Data Usage Policy](#) page for information on how to cite data obtained from this web resource.

Development of SEINet, Symbiota, and several of the specimen databases have been supported by National Science Foundation Grants (DBI 9983132, BRC 0237418, DBI 0743827, DBI 0847966)

**Plant of the Day**



**What is this plant?**  
[Click here to test your knowledge](#)



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SEINet Collections Search

swbiodiversity.org/seinet/collections/index.php?catid=2

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Home >> Collections

## Collections to be Searched

Specimens & Observations Specimens Observations

☒ Select/Deselect all Collections

☒ **SEINet Regional Herbaria Network**

- ☒  Arizona State University Vascular Plant Herbarium (ASU) [more info](#)
- ☒  Cochise County Herbarium (CCH) [more info](#)
- ☒  Deaver Herbarium (Northern Arizona University) (ASC) [more info](#)
- ☒  Desert Botanical Garden Herbarium Collection (DES) [more info](#)
- ☒  Gila National Forest Herbarium (GILA) [more info](#)
- ☒  Grand Canyon National Park (GCNP) [more info](#)
- ☒  James E. Canright Plant Anatomy and Morphology Collection (ASU) [more info](#)
- ☒  Museum of Northern Arizona (MNA) [more info](#)
- ☒  Navajo Nation Herbarium (NAVA) [more info](#)
- ☒  Southwestern Research Station (SWRS) [more info](#)
- ☒  University of Arizona Herbarium (ARIZ) [more info](#)
- ☒  US Forest Service Southwestern Region (TEUI) [more info](#)

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SEINet Collection Search Parameters

swbiodiversity.org/seinet/collections/harvestparams.php?db[]=all&x=37&y=35&cat[]=0&db[]=1&db[]=15&db[]=3&db[]=5&db[]=128&db[]=6&db[]=127&db[]

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Home >> Collections >> Search Criteria

## Select Search Parameters

Fill in one or more of the following query criteria and click 'Search' to view your results.

### Taxonomic Criteria:

☐ Include Synonyms from Taxonomic Thesaurus

Family or Scientific Name: Salvia greggii

search

### Locality Criteria:

Country:

State/Province: New Mexico

County: Doña Ana

Locality:

Elevation:  to

### Latitude and Longitude:

#### Bounding box coordinates in decimal degrees

Northern Latitude:  N

Southern Latitude:  N

Western Longitude:  W

Eastern Longitude:  W

#### Point-Radius search

Latitude:  N

Longitude:  W

Radius:  Kilometers

### Collector Criteria:

Collector's Last Name:

Collector's Number:



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SEINet Collections Search Results

swbiodiversity.org/seinet/collections/list.php?display1.x=50&display1.y=23&type=1&taxa=Salvia+greggii&country=&state=New+Mexico&county=Doña+Ana

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Home >> Collections >> Search Criteria >> Specimen Records

Species List Specimens Maps

Dataset: All Collections  
Taxa: Salvia greggii  
Search Criteria: New Mexico; Doña Ana

1 Page 1, records 1-0 of 0

Your query did not return any results. Please modify your query parameters.

Perhaps you were looking for: [Salvia crucis](#), [Salvia jurisicii](#), [Salvia syriaca](#)





THE END.