SOUTHWEST SEED PARTNERSHIP

Welcome to the 2018 Arizona Stakeholder meeting!

THANK YOU!

- Co-HOSTS
  - Lisa Thornley, BLM Arizona
  - Molly McCormick, USGS

- HELPERS
  - Ella Samuel, BLM NM
  - Allegra Mount and Francesca Claverie, Borderlands (BRN)
  - Kathryn Kennedy, UDSA Forest Service

THANK YOU!

PANELS

Lisa Thornley
Kris Randall
Robert Madera
LeRoy Brady
Russell Benford
Shawn Lowery
Bamert Seed
Tren Hagman
Mark Peabody
Forrest Smith
Heather Dial

BREAKOUT GROUP LEADS

Kathryn Kennedy
Molly McCormick
Nora Talkington
John Giordanengo
April Blodgett
Theresa Coffenberry
Maggie Parrish
Elise Gornish

SPEAKERS
STAKEHOLDERS

FUNDERS

Institute for Applied Ecology

Corvallis OR, 1999
Santa Fe, NM 2015

Conserve native species and habitats through restoration, research & education.

Host National Seed Conference
&
Native Seed Network website

Working with growers to develop crops of native species since 2000

Southwest Seed Needs

Southwest Native Seed Supply

Limited availability and selection

Seed lacks genetic diversity or from outside region

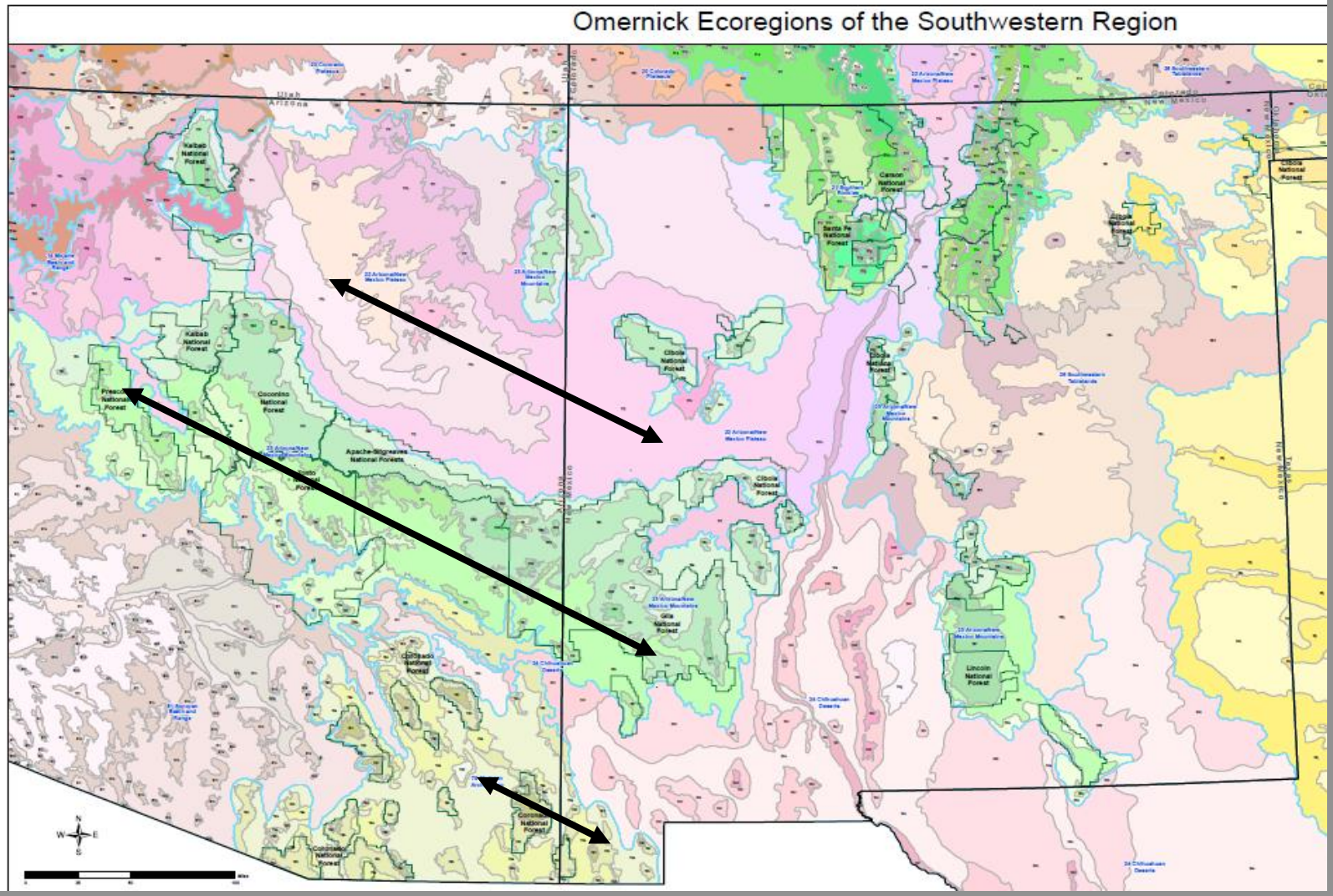
Type of Seed: diverse species (more forbs), local sources, genetically diverse

Southwest Seed Vendors

Need a greater diversity of native seed producers
Different scales (esp. medium scale) and in different SW ecoregions.

Improve supply and diversity of native seed for NM and AZ

Why are we in Arizona?



Forest Service Region 3 funder serves both states.
Shared ecoregions = potential to share seed!

Natural disasters have no regard for ownership or state line boundaries

SWSP in AZ

Recognize NM & AZ have different needs and the SWSP has a different role here

Value that AZ already has several strong native seed programs. We hope to continue to learn from each other.

Want to collaborate, provide financial support, and help coordinate seed efforts across the two states.

Pooling efforts and resources will better support restoration on a larger scale of the Southwest.

Story from the Willamette Valley

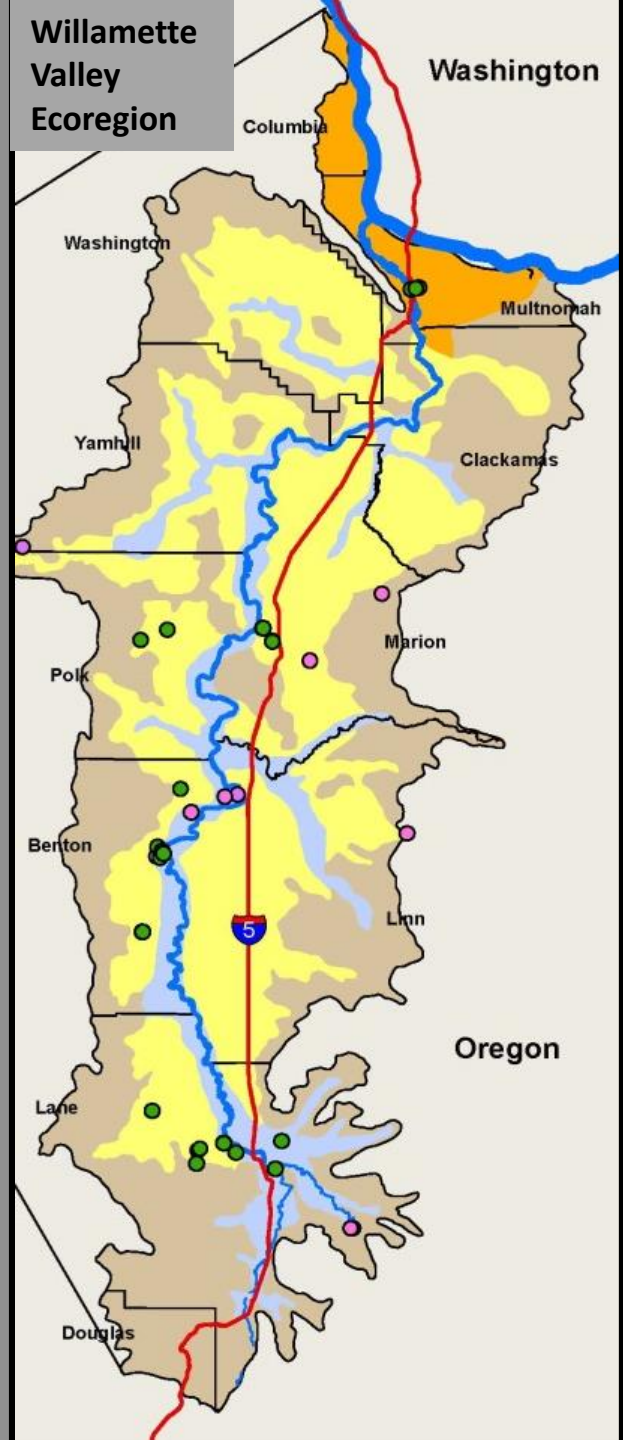
1998: BLM, USFWS, ACOE, county, city, and several nonprofit restoration organizations in Western OR engaged in prairie habitat restoration.

1999-2008: Each collected wild seed and started contract production fields with local farmers.

2010: Multiple fields of the same species from same seed zone growing at same farm.

Uncoordinated, duplicated efforts frustrated growers & not cost effective for seed users.

2010: Woke up and realized we needed to work together.



Willamette Valley Plant Materials Partnership

30 stakeholders
"Cooperative Model"
Pooled $ for seed development

50 species in production- forbs!
Medium and small contract production
Clear demand stimulated commercial market

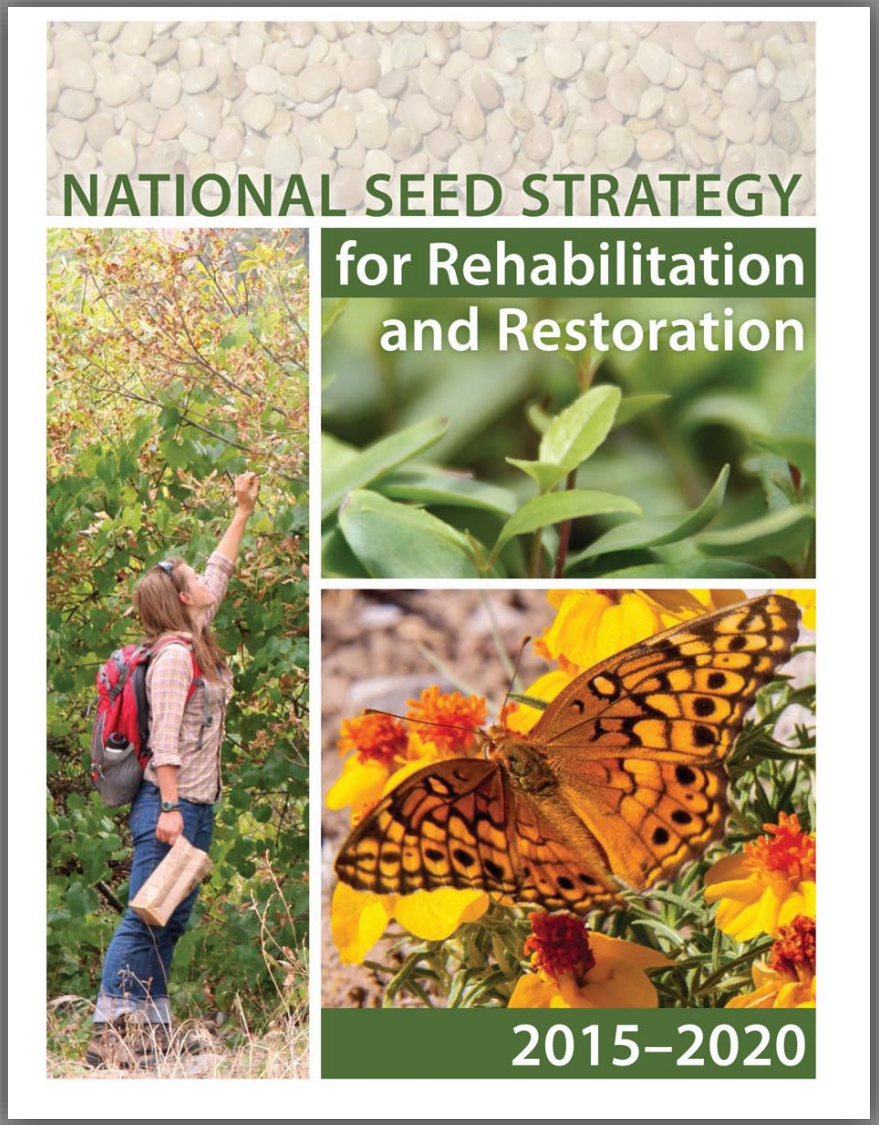
Flash forward…2015

Restoration activities have picked up in the SW

National Seed Strategy released by DOI & partners. Increased:

- Impetus & funding for native seed
- Provided goals

"The Right Seed for the Right Place at the Right Time"



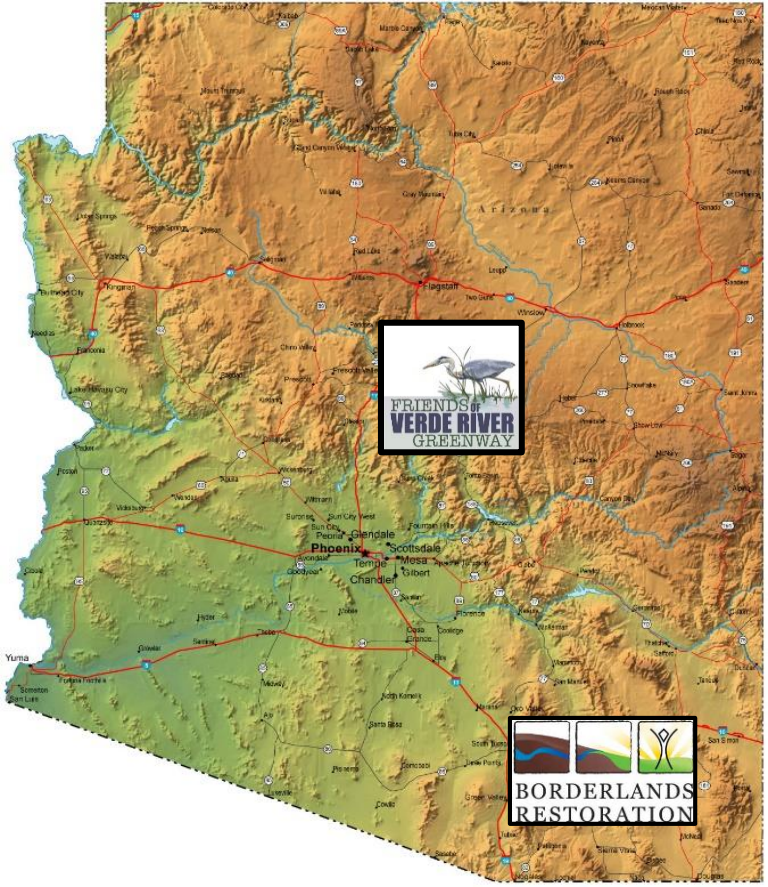
Advantage to collaborate early

SOUTHWEST SEED PARTNERSHIP

Improve supply and diversity of native seed for NM and AZ

Already seeing the benefits of collaboration

5 partner seed team in 2016 enabled us to cover 5 ecoregions



Partnering with AZ org's - we don't have to be two places at once.

Partners increase capacity for SWSP

NEW MEXICO LAND CONSERVANCY

Implementing the National Seed Strategy

Assess Seed Needs

Research

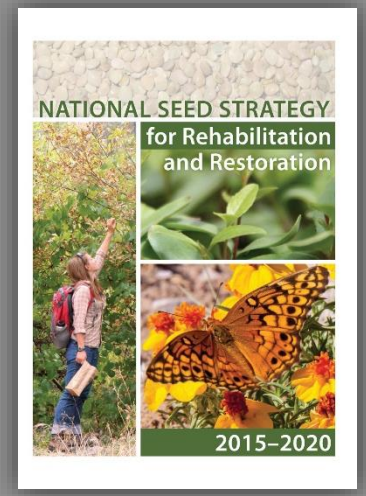
Training

Communication

Seed collection

Production

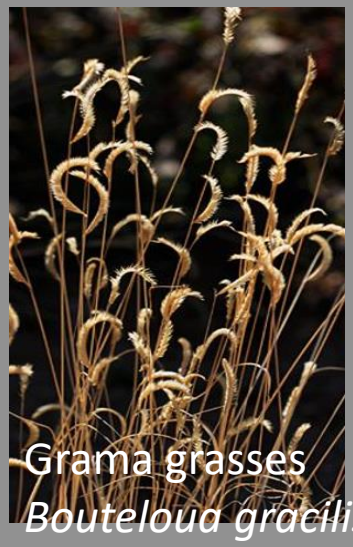
Restoration

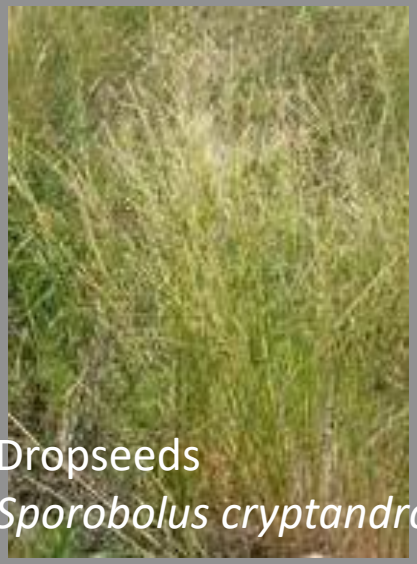


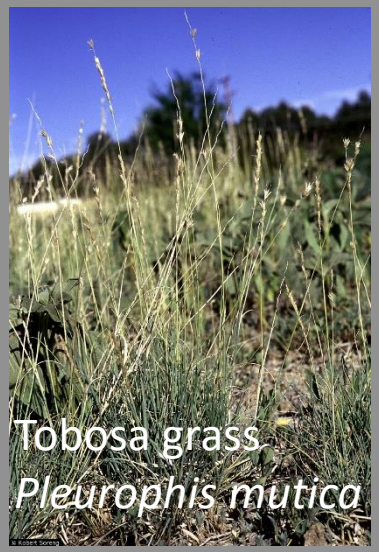
Where are all the places your organization already fits in & contributes to greater effort?

1. Assess Needs: What seed do you want? Target Lists by Ecoregion

Presentations: Maggie Parrish, Kelsey Jensen & Jesse Mike







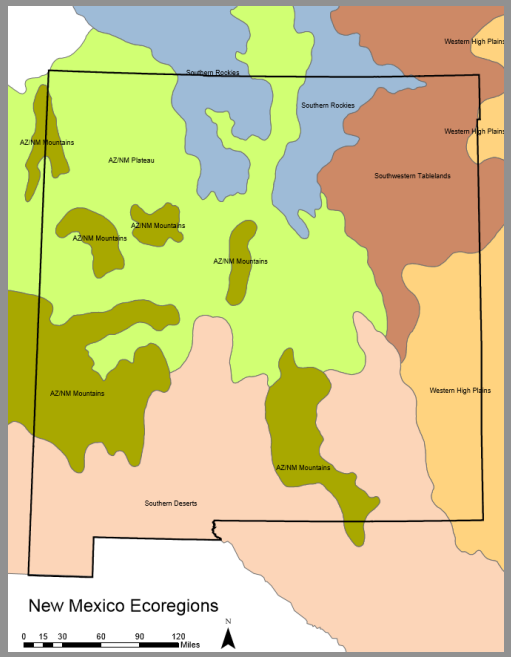
2. Research: genetics & restoration

Presentations: Rob Massatti & Molly McCormick

Kept northern and southern populations separate

Flowering time genetically determined

Matters to pollinators



Short term solution not knowing line for local adapations

- Stay within ecoregions
- Seek expert advice
- Use climate tools
- Provisional Seed Zones

New SWSP Research

- Common Garden Study for golden banner
- NMDOT dust mitigation study testing plant materials

4. Communication

Website, Facebook, quarterly newsletter,
Stakeholder meetings, Committees, other suggestions?

Implementing the National Seed Strategy

Assess Seed Needs

Research

Training

Communication

Seed collection

Production

Restoration

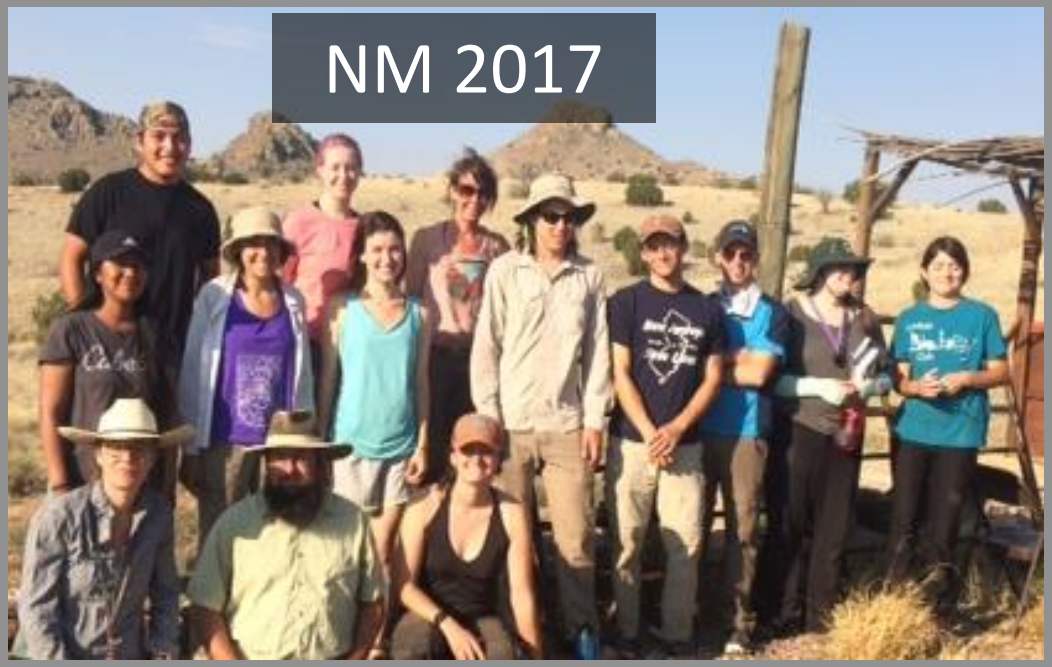
4. Seed collection

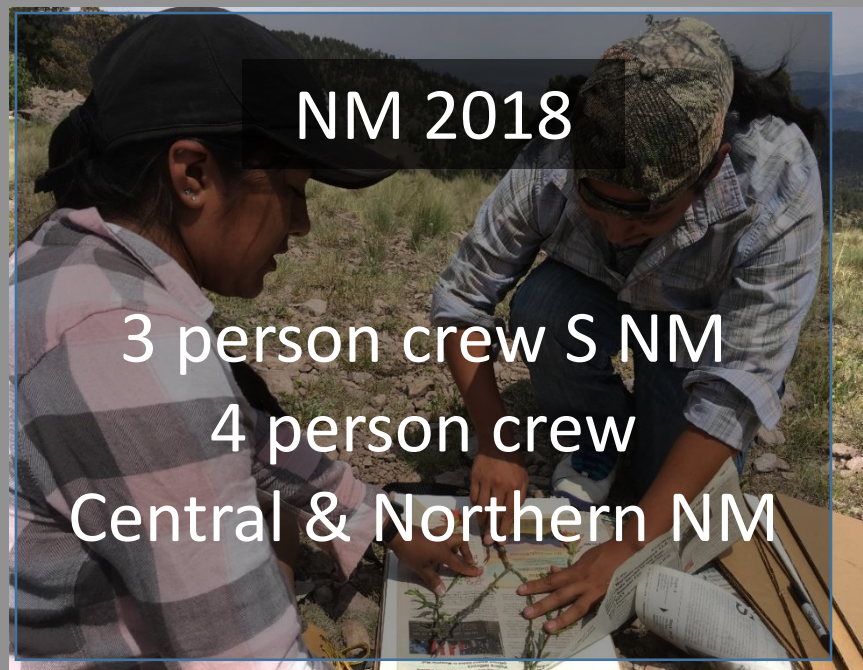
Presentations: Ella Samuel & Kara Barron

SWSP collections go to two places

NM 2016

AZ 2017


NM 2017


NM 2018
3 person crew S NM
4 person crew
Central & Northern NM

5. Production

Presentations: Forrest Smith, Fennel Blythe, Allegra Mount, April Blodgett & Theresa Coffenberr

Diverse growers for diverse needs

- Large scale commercial farms
- Small family, community, or organic farms
- Tribal nurseries
- PMC's
- Prisons
- Arboretums, Botanical gardens

Large-scale commercial producers

Have experience, capacity, & equipment
Work within their financial models & offer contracts

Types of growers for this program

Up for a challenge

- Crops not uniform, untested material
- Experiment w/harvesting & cleaning techniques to improve yield

Forecast Needs 5 Years Ahead

Collection
1-2 years

Production
1-2 years

First harvest
1-4 years

RESTORATION
Seed available
in 3-5 years

Thank you!

Assess Seed Needs

Research

Training

Communication

Seed collection

Production

Restoration

Stakeholder Meeting Goals

<u>Structure for 1st Meeting</u>

Get to know other native seed stakeholders

Get on the same page and learn from each other

Stronger coordination

Voice ideas and needs

Find common needs and goals

<u>Future meetings</u>

Subcommittee reports

Special “hot” topic presentation

Mixed group breakouts

Who is here today?

Federal

BLM

USFS

USFWS

USGS

NRCS PMC

STATE & COUNTY

AZ Game & Fish
AZ DOT
Maricopa County
Winkelman NRCD

NGO's

IAE
Borderlands (BRN)
Friends of Verde River
Desert Botanical Garden
Gila Watershed Partnership AZ
McDowell Sonoran Conservancy
Museum of Northern Arizona
The Arboretum at Flagstaff
Wildlands Restoration
The Nature Conservancy

TRIBAL AGENCY

Gila River Indian Community DEQ

Navajo Fish & Wildlife

Yavapai Apache Nation Ag. Dept.

SEED PRODUCERS

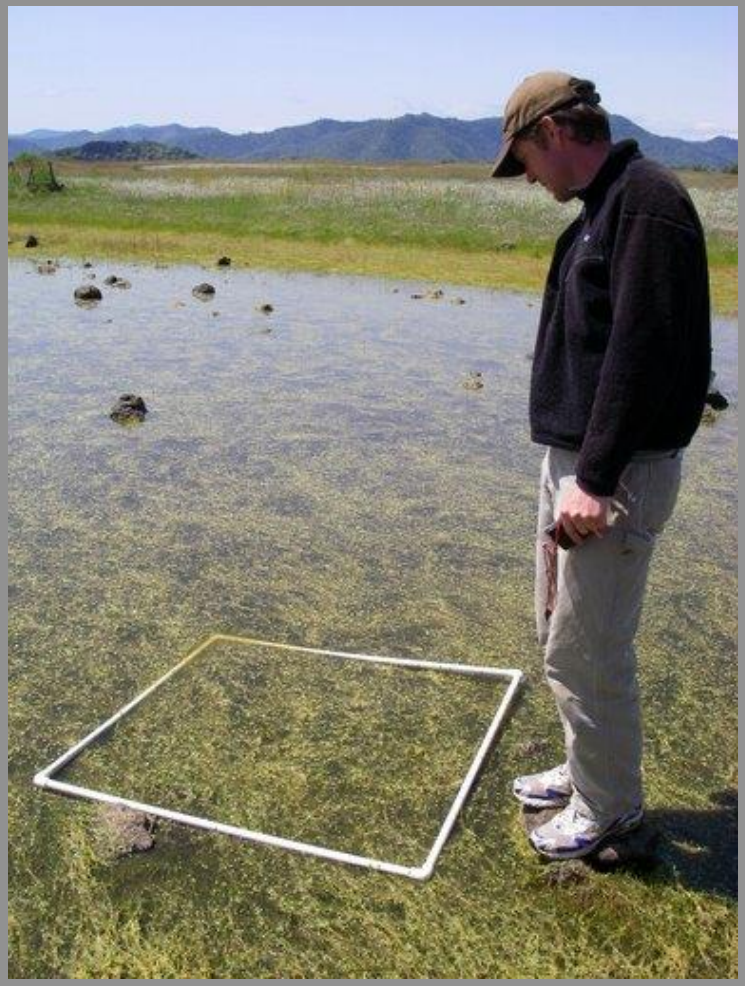
Curtis &Curtis
Bamert
Granite
Texas Seeds

University

NAU
U of A Cooperative Extension
NMSU Seed Certification

Private contractors

S. Rockies Seed Network
Private landowners



Common misconceptions of SWSP

SWSP is not a seed bank.

But happy to provide seed as part of a longer term strategy & partnership.

Next Steps

<u>Communicate with Stakeholders</u>

- Web posts, Facebook, newsletter
- NM Stakeholder meeting early 2019
- Identify topics that need more information to share on web or at next meeting

<u>Make progress on Strategic Plan & other tasks</u>

- Subcommittee meetings in 2018-19
- Collection, production, research continues