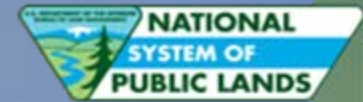


DOI, Bureau of Land Management

Susan Filkins

Idaho State Office

Seeds of Success Coordinator



BLM



Success Stories With Native Plant Materials



Idaho Seeds of Success Program: Big gains with little money.



- 4 restoration projects
- 2 plant salvage projects
- 32 collections of native seed in 7 counties collected
- 1 Eagle Scout Project
- 10 volunteers
- Germination of collected seed at Boise State University Horticulture greenhouses

- Mulford's Milkvetch Exclosure Restoration Project
- Oolite Interpretive Site Restoration
- Recovery and transplantation of native vegetation
- Indian Valley Sedge



Special K Ranch, Nora Roberts, Montana State Botanist, BLM

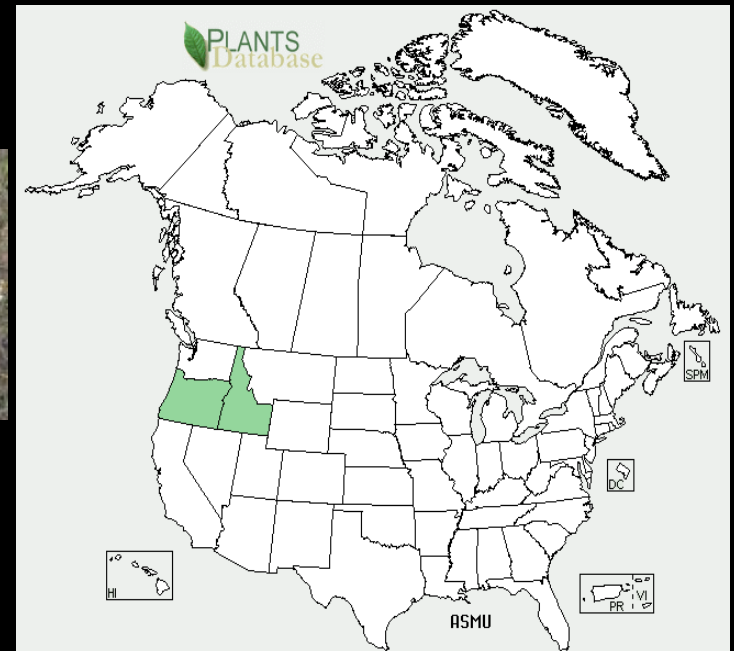
Mulford's Milkvetch

(*Astragalus mulfordiae*)

Mulford's Milkvetch Exclosure
Restoration Project, Owyhee
Resource Area, Idaho



- Unique habitat
- 100 years of grazing and illegal dumping
- Road scarring from OHV (site is within ¼ mile of OHV park)
- Which is older the root or Chuck?





Seeds planted



Indian ricegrass-

Oryzopsis hymenoides

Munro's globemallow-

Sphaeralcea munroana

Basin wildrye-

Leymus cinereus

Shadscale saltbush-

Atriplex confertifolia

Fourwing saltbush-

Atriplex canescens





Which planting method works best?



Post Seeding monitoring



Cassandra Skinner. BLM ID

The Dave Method!



Mud Flat Oolite Restoration Site





Antonia Hendrix, Idaho BLM

Crotaphytus bicinctores
(Mojave Black-collared Lizard)









Recovery and Transplant Successes



- Salvage plants from landowner
- Judy Ferguson-CH2MHill, Ann DeBolt-IBG, BLM staff
- Plants relocated to 3 different locations



Ann DeBolt-IBG

Species salvaged



© G.A. Cooper

G.A. Cooper @ USDA-NRCS PLANTS Database

- Brodiaea
- Hooker's balsamroot
(*Balsamorhiza hookerii*)
- Inflated grasswindow
(*Sisyrinchium inflatum*)
- Death camas
(*Zigadenus*)

One year later

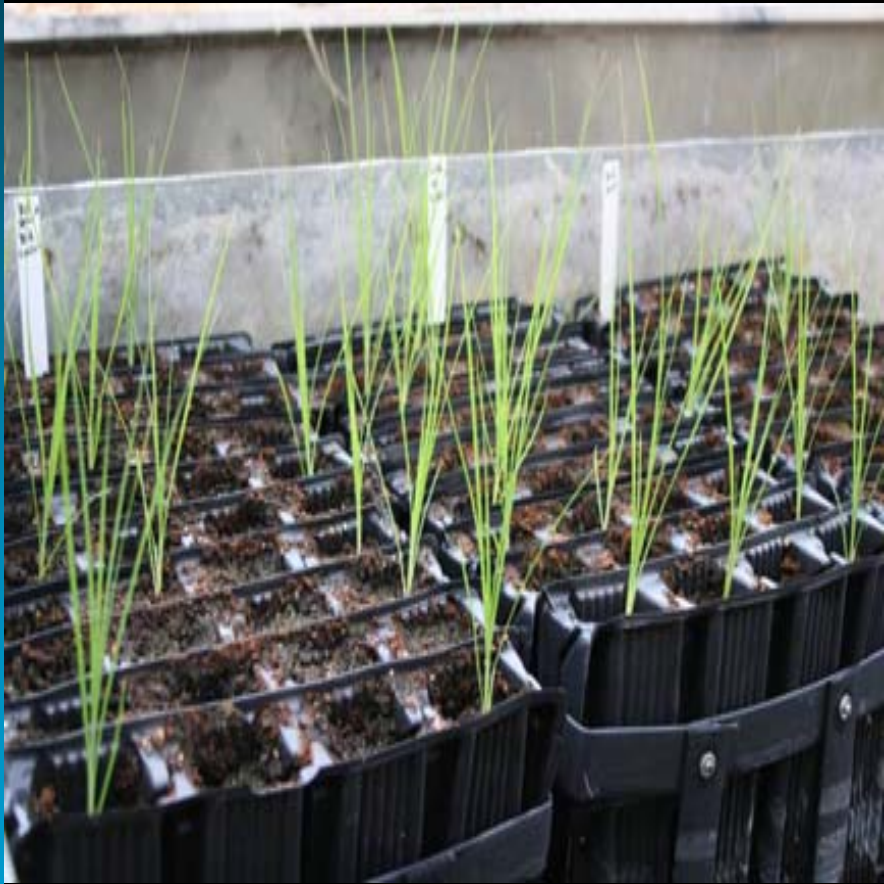


Successful Transplanting of Indian Valley Sedge (*Carex aboriginum*)



Lisa Hahn

The project involved



- USDA Forest Service Rocky Mountain Research Station
- Idaho Department of Fish and Game
- Aberdeen Plant Materials Center
- BLM
- Jon and Mary Trail.

Aberdeen Plant Materials Center (PMC)

- First collected in 1899 by Marcus E. Jones in Weiser Valley, Idaho.
- Thought to be extirpated then found South of Council, Idaho in Adams County 100 years later.
- BLM Botanist Roger Rosentreter collected herbarium specimen, transplanted live plants and gave seed to PMC.



Lisa Hahn

Indian Valley Sedge Jewel Wetland Restoration

- Transplanting took place at the Jewel Wetland.
- The project helps scrub irrigation water before it flows back into the Snake River.



Aberdeen Plant Materials Center (PMC)



Idaho State Department of Agriculture Division of Agricultural Resources

Challenges:

- Budget
- Anthropogenic
- Logistics
- BUDGET
- Equipment
- Seed/Seedling availability
- BUDGET!



Special K Ranch, Nora Roberts, Montana State Botanist, BLM

Budget: Creates planning challenges



- What seeds can be collected...early, summer, fall?
- How many seasonals to bring on, STEP, Chicago Botanic Garden Interns?
- Difficult to create target lists of species, plan restoration projects
- Difficult to commit to projects with higher cost or increased time demands.

Anthropogenic



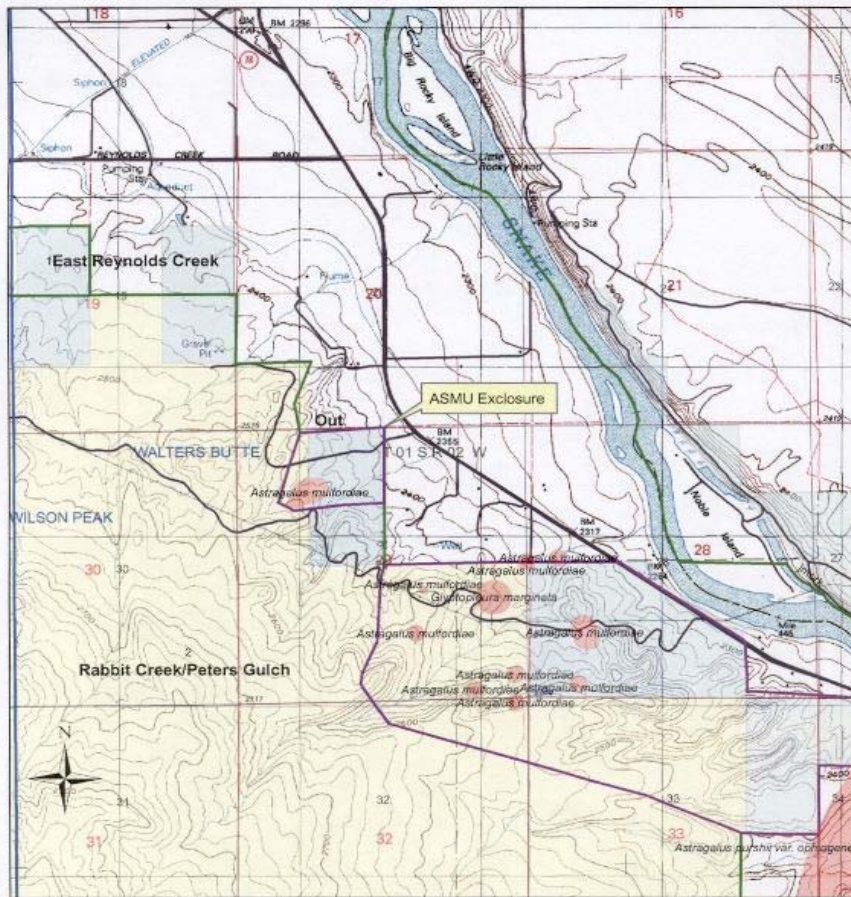




Know your ordnance!

Logistics: How many, what time, what vehicle, how long, where.....?

ASMU Exclosure Revegetation Project



- Be an effective communicator.
- Submit write-ups to public relations people.
- Set up a restoration/volunteer e-mail group.

Equipment: Right type for right job.



Budget

- Create partnerships
- Be open to combining projects to get things done





Seed availability

Plant materials availability



- Developmentally disabled adults live on a working ranch
- Residents learn vocational skills in horticulture and gardening
- Nora Taylor, Montana State Botanist, BLM





Did I mention budget????

- Use anyone you can get your hands on....volunteers, Boy Scouts, friends, family....Chicago Botanic Garden Interns, and co-workers!
- Make your budget stretch.....





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