







Working to bring science and nature education opportunities into prisons.

We provide unique and meaningful activities to incarcerated men and women with the goal of helping our natural environment.



Sage Grouse Habitat Conservation Through Prisons













Institute for Applied Ecology



Mission





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



Bureau of Land Management



Purpose

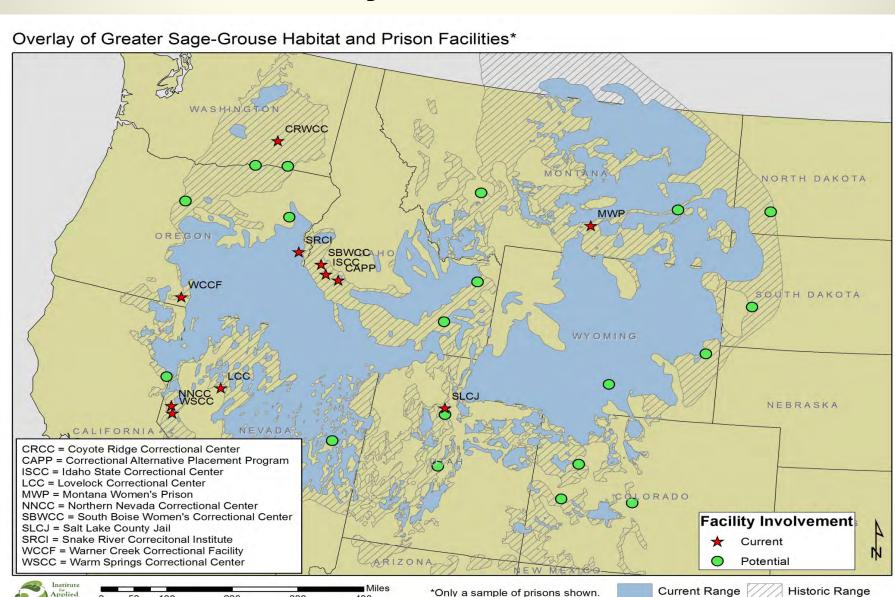
Improve habitat for Greater Sage-Grouse by engaging state prison systems in production of sagebrush for habitat restoration on BLM lands





Photo by Jeannie Stafford USFWS

Why Prisons??



What Do We Do?













Sowing Sagebrush

Growing Sagebrush



Fertilizing

Pack Up



Plant Out







What Else Do We Do?



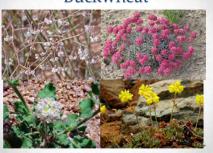
Education

Sagebrush Steppe Range





Buckwheat





 "The unconsolidated mineral matter on the surface of the Earth that has been subjected to and influenced by genetic and environmental factors of parent material, climate, macro- and microorganisms, and topography, all acting over a period of time and producing a product..."







Awards



Where it All Started

- In 2014, started working with Snake River Correctional Institution in Ontario, OR
- Grew 20,000 sagebrush plugs (Artemisia tridentata subsp. Wyomingensis) for Vale, OR BLM



2015

- 6 prisons involved in growing and planting out
- 3 states (OR, WA, and ID)
- ~ 120,000 sagebrush plugs grown for 5 different local BLM offices





Expanded Again!

- By 2016, expanded to 11 prisons in 6 states
 - OR, WA, ID, NV, UT, MT
- Delivered ~ 319,000 sagebrush plugs



Warm Springs Correctional Center,
NV

Seed Orchard Planting near Vale, OR

Nevada

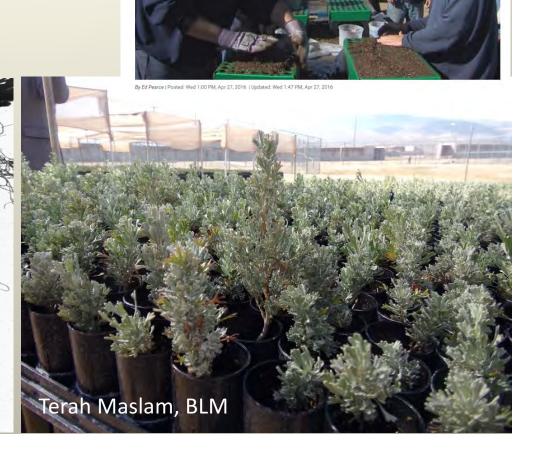
- 3 Prisons
- Each grew 35,000 sagebrush plugs
- Totaling 105,000 plugs!





Northern Nevada Correctional Center (NNCC)

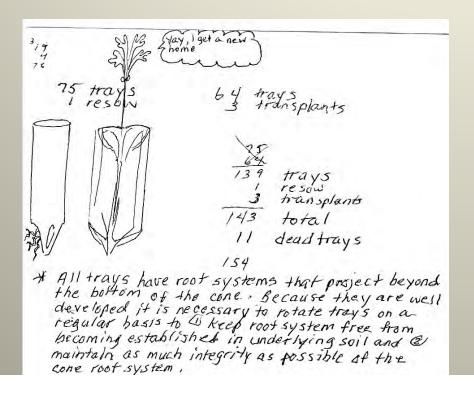
- Mental Health Unit
 - Elko BLM Office
 - Media Day
 - Soil experiment



Inmates helping to heal Nevada's landscape

Warm Springs Correctional Center (WSCC)

- Veterans Program
 - 20k for Winnemucca BLM
 - 15k for Susanville BLM
 - Transplants

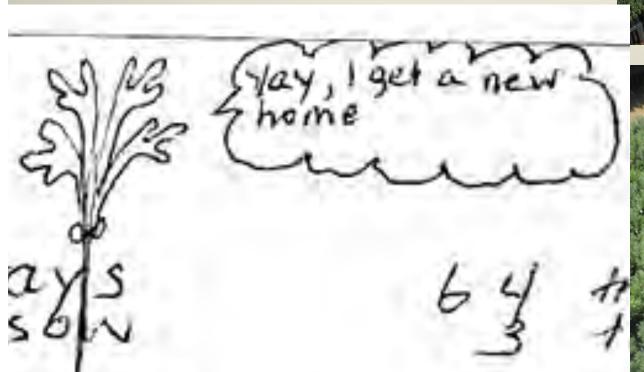






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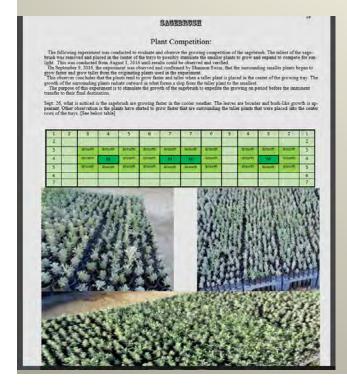


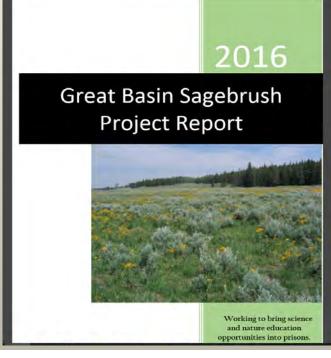


Lovelock Correctional Center (LCC)

- Horticulture Graduates
 - Winnemucca BLM
 - Competition Study
 - Internship

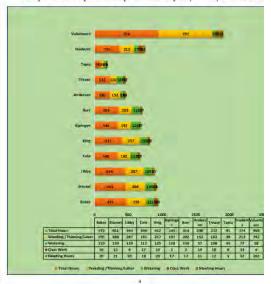






Labor Hour Chart

The graph below shows total man hours per immate for the 2016 project. There are approximately 35,000 plants. The hours were broken down into three areas: Monitoring, Planting, and Meetings. There were other activities such as data collection, fertilizing, weeding, and pest control. The plants were inspected three times per day from May till October.



Benefits of Propagation Program for Inmates and Prisons

- Provide high quality, detailed work experiences
- Help reduce idleness and behavior problems within prison
- Gives inmates valuable skills
- Provides good image to the public
- Restorative justice



Other Benefits of the Program

- Outreach!
- 100's of thousand of sagebrush plugs produced for sage-grouse habitat restoration
- And the 350+ other species benefiting from this habitat restoration



Plans for 2017 Season

- Projected # of plants to be grown= 485,000
- Adding new prisons in WA and UT
- Growing for more local BLM offices in more states

In Nevada

- Doubling our efforts!
- A small experiment to test germ rates of seed collected last year vs. this year







After that.....

Hopefully we get continued funding to keep this amazing program going!







"WHAT GROWING SAGEBRUSH MEANS TO ME" By Toby Jones, inmate WCCF 11/17/16

I've watched for many years and one thing continually comes to my attention is that our world is tiring. Without our participation and us listening to the cry of our depleted world, then our children will not get to experience the wonders we have.

I've contributed very little in my adult life while battling my afflictions.

The sagebrush program has been good for my soul. This project has done more than rescue the sage grouse, it's allowed us men to do and be something positive. Through this project, men's' lives begin to have worth; we see that we can be positive and benefit the world instead of bringing it down.

Someone smiling and saying well done can move a man's heart and give him back hope.

We've made mistakes but in a way we are all alike.

Yes, I've made mistakes, we all have, but the one I don't want to make is missing the chance to give back to the world that has taken care of me.

Given the chance you will see the goodness in us all.





Questions?





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https://www.youtube.com/watch?v=ptSkb7WrkNc&feature=youtu.be



The preceding presentation was delivered at the

2017 National Native Seed Conference

Washington, D.C. February 13-16, 2017

This and additional presentations available at http://nativeseed.info





