

RESTORATION NOTES

Four Power Points for the Fifth Annual Gunnison Sage Grouse Summit, April 4-5, 2022 held by the Western Colorado University.

GUNNISON AND GREATER SAGE GROUSE--RECOVERY AND SURVIVAL DEPEND ON ECOLOGICAL RESTORATION OF THEIR HABITATS.

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Four Power Points were submitted for this conference, to start the discussions that a critical component of the recovery and survival of these two species is the ecological restoration of Gunnison and Great Sage Grouse habitats. These four Power Points are available online as PDF files.

1.) "Grasses for Grouse" talks about how our Western ranchers on unirrigated rangelands after expenses, only make \$1 per acre per inch of rainfall--so could an alternative economic purpose of the native grasses, be carbon sequestration and produce 10-20X the grazing net income. <https://www.ecoseeds.com/grasses-for-grouse.pdf>

2.) "Reveg Sage Grouse habitats" Shows photos, that methods were invented 30 years ago, to replant arid grasslands and get rid of 100% of the flammable cheatgrass in only six months, and also be able to unearth 100-250 year old dormant native seeds. <https://www.ecoseeds.com/revveg-sage-grouse.pdf>

3.) "Zombie grasslands" A major flaw exists in Western rangelands, where whole ecosystems have stopped reproducing decades ago, resulting in a downward decline in the food plants needed by the sage grouse for survival, and how you can detect this problem with a 20-minute field test. <https://www.ecoseeds.com/zombie-grasslands.pdf>

4.) "Gunnison and Greater Sage Grouse Habitat Vegetation Megatransect" The Gunnison and Greater Sage Grouse populations have been mapped for decades, but only one detailed mile-by-mile native vegetation megatransect of their habitat has ever been done, in 1997 by Craig Carlton Dremann of the Reveg Edge, Redwood City, California. <https://www.ecoseeds.com/grouse-veg-megatransect.pdf>

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