

From: [Wiechman, Lief](#)
To: [DElia, Jesse](#)
Cc: [Ronald Baxter](#); [Kathy Hollar](#)
Subject: Re: revised metrics
Date: Tuesday, March 18, 2014 11:09:08 AM
Attachments: [FWS Quantitative Metrics \(1.22.14\).docx](#)

Just a couple slight changes to the 1st document...

LW

Lief Wiechman

Sage-Grouse Energy Biologist
U.S. Fish & Wildlife Service
Mountain-Prairie Region
5353 Yellowstone Road
Cheyenne, WY 82009
307.772.2374 x236
lief_wiechman@fws.gov

On Tue, Mar 18, 2014 at 11:01 AM, DElia, Jesse <jesse_delia@fws.gov> wrote:

Ron,

These are the latest ones I could find. Lief, can you confirm this is the latest draft?

-Jesse

----- Forwarded message -----

From: **Alt, Nicole** <nicole_alt@fws.gov>

Date: Tue, Jan 21, 2014 at 4:05 PM

Subject: revised metrics

To: Noreen Walsh <noreen_walsh@fws.gov>, Matt Kales <matt_kales@fws.gov>, Michael Thabault <Michael_Thabault@fws.gov>, Jesse DElia <jesse_delia@fws.gov>, Pat Deibert <pat_deibert@fws.gov>, Lief Wiechman <lief_wiechman@fws.gov>

Attached is the message document and the revised metrics document. We received comments from CO, WY and NV. We've modified the metrics slightly and will use the other feedback as we develop the database and data call. Please let me know if you have any questions.

Nicole

Nicole Alt
Deputy ARD Ecological Services
Mountain-Prairie Region
nicole_alt@fws.gov

--

Jesse D'Elia

Candidate Species Conservation Coordinator

Endangered Species Division, Pacific Regional Office

U.S. Fish and Wildlife Service

911 NE 11th Avenue, 4th Floor, Portland, OR 97232

503.231.2349 phone; 503.231.6243 fax

jesse_delia@fws.gov

CONSERVATION EFFORTS DATABASE

Quantitative Metrics

1.22.2014

This product is derived from collaborative discussions with our State and Federal partners to identify metrics to be reported by agencies (both Federal and State), local government, members of industry, and others. This list is a comprehensive list derived from the conservation objectives and measures identified in the Conservation Objectives Team (COT) final report, as well as input and suggestions from our partners.

Each metric listed is not necessarily applicable to each partner as the threats impacting greater sage-grouse vary across the landscape in presence and intensity. Only biologically significant data is captured in these metrics. There are no implications for not reporting data that does not apply to, or is not available in your state/agency. All data is relevant to the 2015 status review, however, not all data is captured with these common metrics. Other data will be captured and analyzed through the narrative reports.

The quantitative metrics below are those that highlight efforts implemented on-the-ground. This data is intended to be geospatial so the Fish and Wildlife Service (FWS) can illustrate the efforts that have taken place on the landscape. Specifics related to how the spatial information will be formatted, etc. is currently being determined through discussion with the USGS.

Below is a summary of the metrics organized by 'Activity' and 'Subactivity'. Users will have the option to provide information related to seasonal habitat (breeding/nesting, brood-rearing, winter) and/or habitat that has been identified as 'Connectivity', where appropriate.

Activity

Subactivity

- METRIC / QUESTION being asked
-

Sagebrush & Habitat Protection

Conservation Agreements (including but not limited to: CCAs, CCAAs, Farm Bill and other Incentive-based programs).

- Report ACRES included in the aforementioned agreement(s).

Conservation Easement

- Report ACRES included in the aforementioned agreement(s).

Land Purchases / Swaps

- Report ACRES included in the aforementioned purchase(s) or swap(s) .

Vegetation Management / Habitat Enhancement

- Report ACRES included in the aforementioned enhancement or treatment(s) .

Fuels Management

- Report ACRES associated with this effort.

Fire Breaks

- Report MILES associated with the break.

Area Closure (Area and/or Seasonal)

- Report ACRES included in aforementioned closure(s).

Habitat Restoration (Non-fire related)

Non-fire restoration (only native seedings, plantings)

- Report ACRES included in the [native] seeding, planting effort(s).

Non-fire restoration (only non-native seedings, plantings)

- Report ACRES included in the [non-native] seeding, planting effort(s).

Non-fire restoration (native/non-native mix seeding mixes, plantings)

- Report ACRES (for each seasonal habitat) included in the [mixed] seeding, planting effort(s).

Habitat Reclamation Efforts

Mine reclamation

- Report ACRES in the mine reclamation. For these efforts, report reclamation and subsequent restoration efforts are aimed at restoring sage-grouse habitat.

Conifer Removal

Conifer Removal

- Report ACRES of Phase 1 conifer removal.
- Report ACRES of Phase 2 conifer removal.
- Report ACRES of Phase 3 conifer removal.

Fire: Pre-suppression Efforts

Fuels Management

- Report ACRES associated with this effort.

Fire Breaks

- Report MILES associated with the break.

Habitat Restoration (Fire)

Post-fire restoration (only native seedings, plantings)

- Report ACRES included in the [native] seeding, planting effort(s).

Post-fire restoration (only non-native seedings, plantings)

- Report ACRES included in the [non-native] seeding, planting effort(s).

Post-fire restoration (native/non-native mix seeding mixes, plantings)

- Report ACRES (for each seasonal habitat) included in the [mixed] seeding, planting effort(s).

Infrastructure, Removal, and Modification

Structure Removal

- Report TYPE of structures removed [DROP-DOWN MENU].
- Report ACRES restored.

Power Line Burial

- Report TYPE of power line removed [DROP-DOWN MENU].
- Report MILES of power line buried.

Power Line Retrofitting / Modification

- Report MILES of power line retrofitted or modified.

Fence Modification

- Report MILES of fences modified.

Fence Marking

- Report MILES of fences marked (in areas identified as 'at-risk').

Fence Removal

- Report MILES of fences removed.

Livestock & Rangeland Management

Allotment Closure

- Report ACRES included in the aforementioned allotment(s).

Road closure

- Report MILES of roads closed.

Travel Management

Road and Trail closure

- Report MILES of roads/trails closed (including roads/trails associated with Livestock & Rangeland Management, Recreation, and Energy Development).

Reroute Trail

- Report MILES of roads/trails rerouted (including roads/trails associated with Livestock & Rangeland Management, Recreation, and Energy Development).

Predator Control

Predator Control

- Report SPECIES targeted.
- Report NUMBER of each targeted species killed.
- Report ACRES of treated area (if appropriate).

Population Augmentation

Translocation

- Report NUMBER of sage-grouse translocated (by age, sex).

Wild Equid Management

Wild Equid Population Control

- Report NUMBER of wild equids treated.

Wild Equid Gather

- Report NUMBER of wild equids gathered.