

From: [Norman, Kate](#)
To: [Jennifer Sturdivant](#)
Subject: Fwd: GRSG ScienceBase DataCall Update: West Nile Virus Monitoring and Management Program – Greater Sage Grouse
Date: Friday, January 09, 2015 12:06:09 PM

Didn't have a chance to review this - looks like additional info came in...?

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

From: **Turner, Ed** <ed_turner@fws.gov>

Date: Mon, Jan 5, 2015 at 3:14 PM

Subject: GRSG ScienceBase DataCall Update: West Nile Virus Monitoring and Management Program – Greater Sage Grouse

To: Kathy Hollar <kathy_hollar@fws.gov>, Drue DeBerry <drue_deberry@fws.gov>, Ed Turner <Ed_Turner@g-fws.doi.gov>, James Lindstrom <james_lindstrom@fws.gov>, "Juliusson, Lara" <lara_juliusson@fws.gov>, Kate Norman <kate_norman@fws.gov>, Kevin Doherty <kevin_doherty@fws.gov>, Lief Wiechman <lief_wiechman@fws.gov>, Mary Grim <mary_grim@fws.gov>, Matthew Heller <matthew_heller@fws.gov>, Pat Lineback <pat_lineback@fws.gov>, Rich Young <Rich_Young@fws.gov>, Sean Finn <sean_finn@fws.gov>

Hello All, Please note that we received documentation and data in DataCall 12/31/14, related to the Douglas Core Area - WY. These data cover the West Nile Virus Monitoring and Management Program by Chesapeake Energy Corporation.

I pushed these data to the ScienceBase GRSG at the following link if you wish to access:

<https://www.sciencebase.gov/catalog/folder/54ab0448e4b02e7286096281>

I am waiting for response from Chesapeake Energy Corporation POC on the document report and will load that to the link location once clarified.

Below is summary of these data for your use (Updated here

too: https://docs.google.com/a/fws.gov/spreadsheets/d/1Kech7XXcfKk3EkM8CQTdrIbElu_1j9Z5YpkbN1tf560/edit#gid=2104041708)

**** Note Shapefile data was projected (by FWS) from the provided UTM projection to the GRSG Study Range-wide Albers Projection.

Per the FWS letter request to submit information related to status, trends and threats please consider the WNV program detailed below.

Threat Addressed – disease or predation. This threat is addressed through implementing a West Nile Virus monitoring and management program to reduce the threat of disease to Douglas Core Area sage grouse populations.

West Nile Virus Monitoring and Management Program – Greater Sage Grouse are considered to have a high susceptibility to West Nile Virus (WNV) with resultant high levels of mortality, as noted in the Listing Petition. Therefore, to aid in controlling mosquito larvae that may spread WNV to sage grouse, Chesapeake Energy and the Restoration Team implemented a program to monitor and control WNV on its leases to mitigate the threat of the disease. Beginning July, 2014, Chesapeake placed mosquito pucks containing natural larvicide (bacillus thuringiensis v. israelensis) in cellars, secondary containment, and other standing water at 20 well pads and production facilities located within the Douglas Core Area. Chesapeake conducted monthly inspections of these locations for remaining larvae, reapplied pucks as necessary through August, and tracked monitoring and application activities through a WNV Mitigation Log. In addition, the Douglas Core Area Restoration Team, in cooperation with Converse County Weed and Pest, implemented the Douglas Core Area WNV Program in order to aid landowners within a three mile radius of active leks within the Douglas Core Area to monitor and control WNV. Landowners were offered mosquito larvae sampling and if applicable, treatment, throughout August and the beginning of September of 2014. At least three of the 93 sites sampled were identified as containing Culex species known to carry WNV and were subsequently treated with larvicide. These programs are scheduled to be implemented again in 2015.

Supporting Shapefiles:

CHK_WNV_Sampling_and_Control_2013_and_2014_Sites – point locations for 20 well pads where BTI dunks were dispensed to reduce WNV vector breeding.

CCWP_WNV_Sampling_and_Control_2014_Sites – point locations for 93 sites visited and/or sampled by the Converse County Weed & Pest in 2014

Threat Addressed – other natural or man-made factors affecting a species' continued existence. This threat was addressed by implementing a traffic plan to minimize intrusions from man-made noise and activity during sage grouse breeding and nesting periods in the Douglas Core Area, Converse County, Wyoming.

TRAFFIC CONTROL PLAN IMPLEMENTATION

Chesapeake first developed and implemented its traffic plan in early 2013 with the goal of providing relief from man-made noise and activity for sage grouse during breeding and nesting periods in the Douglas Core Area. The Plan was continued in 2014 and extended to occupied leks outside of Core Areas. Mandatory traffic plan training for 41 contractors and Chesapeake employees was conducted and travel restrictions implemented on March 1, 2014. Multiple internal teams coordinated to synchronize or delay operational schedules while security teams strictly enforced approved Chesapeake or contractor traffic and speed. Oil field traffic was not allowed in restricted areas from March 1 to June 30, extending beyond the Executive Order period of noise stipulations (March 1st through May 15th). All requests for exceptions during that time period were documented and requests were typically for travel between 8 am and 6 pm, except for emergencies or early morning sage grouse surveys. The categories of requests ranged from routine operation and maintenance, emergency operation and maintenance, surveys, stormwater compliance inspections, and other reasons. Chesapeake's traffic plan and the noticeable accompanying signage helped develop awareness among landowners and other stakeholders in the DCA.

Supporting Shapefiles:

Breeding_and_Nesting_Season_Travel_Management_Area

POC:

Laurie Heath, REM

Regulatory Affairs Advisor

Chesapeake Energy Corporation

Mobile: 307-215-4848

Email: laurie.heath@chk.com

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Edwin Turner, Geographer
GIS Mapping and Analysis Branch
USFWS Carlsbad Fish and Wildlife Office
2177 Salk Ave. Suite 250
Carlsbad, CA 92008
760.431.9440 x266

Ed_Turner@fws.gov
760.431.9440 x266

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Kate Norman, Sage-Grouse Project Manager
U.S. Fish and Wildlife Service, Region 6
134 Union Blvd, Lakewood CO 80228
PO Box 25486, DFC, Mailstop 60120, Denver CO 80225
Office: 303-236-4214
Mobile: 703-927-2445
kate_norman@fws.gov