From:	Kern, Tim
To:	Doherty, Kevin
Cc:	Sean Finn; Matthew Heller
Subject:	Re: Lek Data and LC Map
Date:	Friday, May 02, 2014 10:57:29 AM

Hi all -- I limited this reply to just the tech folks, but we can include FWS management if these are questions beyond our pay range.

As Kevin pointed out, we are setting up a mechanism to collect lek data though a state-controlled LC MAP community. We are assuming that USFWS modelers will need a way to do post-processing of these data within these state-controlled communities (combining shapefiles and geodatabases to build a region-wide dataset, generating grids from these data) in LC MAP. So far, so good.

Will there also be a need for the modelers to access data collected under the Sage Grouse Initiative, or is that a completely separate effort? Specifically, LC MAP has a request to serve some rather large datasets as mosiacs with color maps through an image server. The first of these, mapped juniper data across the sage grouse range (5400 raster tiles, 750Gb), will be ready for upload in June. There are several other large datasets that are being developed now with a summer due date. If these efforts are linked, we have some questions:

1. Will you need the sage grouse initiative datasets as predictor layers as well? If so, do you need them on local systems or will you be able to work with the services provided by LC MAP?
2. Should we be organizing all sage grouse-related data together though a single LC MAP community, or just maintaining loose relationships to expedite search and discovery?
3. Is there any special treatment we should be giving products developed to support the listing decision? A specific set of tags?

Thanks for your time.

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On Tue, Apr 29, 2014 at 2:53 PM, Doherty, Kevin <kevin_doherty@fws.gov> wrote:

> Noreen,
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> I talked with Tim Kern, Chief of Information Science at the Ft Collins Science Center today along with Sean Finn & Matt Heller (science apps). They confirmed lek data could be housed within LC MAP and we would be able access, organize, and query lek data for

spatial modeling.

The USGS offered additional help to the USFWS to make this system of data storage work. The folks at USGS are going to set up an external server (amazon??) for the states to upload lek data. Ownership and access of the server and the lek data will be controlled by the states, but we can link to the data through LC MAP.

We will need the lek data prior to the main data call for the conservation database. It will take ~ 3- 4 weeks to finish processing all of the spatial data which will be used as predictor variables for spatial modeling. After that it is delaying our efforts.

Cheers
Kevin
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Kevin Doherty, PhD

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