

Hicks, Scott <scott_hicks@fws.gov>

[EXTERNAL] RE: Another map

1 message

Kennedy, Daniel (DNR) <KENNEDYD@michigan.gov>

Wed, Mar 27, 2019 at 4:48 PM

To: Randi Meyerson <rmeyerson@dzs.org>, "DePue, John (DNR)" <DePueJ1@michigan.gov>, "Straka, Kelly (DNR)" <StrakaK1@michigan.gov>, "scott_hicks@fws.gov" <Scott_Hicks@fws.gov>, Ann Duncan <aduncan@dzs.org>
Cc: "Jack_Dingledine@fws.gov" <Jack_Dingledine@fws.gov>

I emailed Kristine Pilgrim, the lab supervisor conducting the DNA test, and asked her how long the test will take. I'll let you know what she says.

Dan

From: Randi Meyerson <rmeyerson@dzs.org>**Sent:** Wednesday, March 27, 2019 3:16 PM**To:** Kennedy, Daniel (DNR) <KENNEDYD@michigan.gov>; DePue, John (DNR) <DePueJ1@michigan.gov>; Straka, Kelly (DNR) <StrakaK1@michigan.gov>; 'scott_hicks@fws.gov' <Scott_Hicks@fws.gov>; Ann Duncan <aduncan@dzs.org>**Cc:** Jack_Dingledine@fws.gov**Subject:** RE: Another map

Do we have any idea on how long the DNA test will take? Could it be expedited? Might be indicative of the population she came out of, including captive one.

Randi Meyerson, DVM, MSc
Deputy Chief Life Sciences Officer

Phone: (248) 336-5756**Email:** rmeyerson@dzs.org

Detroit Zoological Society
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Celebrating and Saving Wildlife     



From: Kennedy, Daniel (DNR) <KENNEDYD@michigan.gov>**Sent:** Wednesday, March 27, 2019 11:03 AM**To:** DePue, John (DNR) <DePueJ1@michigan.gov>; Straka, Kelly (DNR) <StrakaK1@michigan.gov>; 'scott_hicks@fws.gov' <Scott_Hicks@fws.gov>; Randi Meyerson <rmeyerson@dzs.org>; Ann Duncan

<aduncan@dzs.org>

Cc: Jack_Dingledine@fws.gov

Subject: RE: Another map

I was leaning towards not putting a collar on the lynx because it's not clear to me what information we'd get that would help inform lynx conservation in the future. Plus, she is young and already been through a lot – a collar would be one additional burden.

Do you think we would learn something new or important to future lynx conservation in Michigan?

Thanks,

Dan

From: DePue, John (DNR) <DePueJ1@michigan.gov>

Sent: Wednesday, March 27, 2019 10:48 AM

To: Kennedy, Daniel (DNR) <KENNEDYD@michigan.gov>; Straka, Kelly (DNR) <StrakaK1@michigan.gov>; 'scott_hicks@fws.gov' <Scott_Hicks@fws.gov>; Randi Meyerson <rmeyerson@dzs.org>; aduncan@dzs.org

Cc: Jack_Dingledine@fws.gov

Subject: RE: Another map

Do we want to consider putting a collar on the lynx? We could see if Dean has a satellite collar that would fit.

John DePue

Wildlife Biologist

Michigan Department of Natural Resources

Baraga Customer Service Center

427 US-41 North

Baraga, MI 49908

(906) 353-6651

From: Kennedy, Daniel (DNR) <KENNEDYD@michigan.gov>

Sent: Wednesday, March 27, 2019 8:52 AM

To: Straka, Kelly (DNR) <StrakaK1@michigan.gov>; DePue, John (DNR) <DePueJ1@michigan.gov>; 'scott_hicks@fws.gov' <Scott_Hicks@fws.gov>; Randi Meyerson <rmeyerson@dzs.org>; aduncan@dzs.org

Cc: Jack_Dingledine@fws.gov

Subject: FW: Another map

Gary sent me another map from a third project he is working on – hare distribution in Michigan. Thought you'd all like to see this as well.

Dan

From: Roloff, Gary <roloff@msu.edu>
Sent: Tuesday, March 26, 2019 5:45 PM
To: Kennedy, Daniel (DNR) <KENNEDYD@michigan.gov>
Subject: Another map

Hi again Dan – We have another map of hare distribution from the Featured Species (MDNR funded) project I've been working on with Dwayne and Adam. This map incorporates all of our known locations of hare and predicts likelihood of occupancy based on climate and habitat, and then predicts connectivity of those habitats. Might also be of value to the process you are working on. See attached. This is based on a highly sophisticated modeling approach, more so than the Bulletin article I sent you, but the same general patterns in hare suitability emerge.

First slide – Double pane showing input data for hare and source (left side) and modeled occupancy probability (right side)

Second slide – Getting rid of statistical noise. Right hand pane is the “optimal” filter. Blue denotes potential hare habitat.

Last slide – Connectivity of hare habitats, with red being highly connected.

Gary

Gary J. Roloff

Associate Professor

Department of Fisheries and Wildlife

Michigan State University