



Outlook

Fw: [EXTERNAL] Re: pers comm for lynx recovery plan

From Sage, Abigail H <abigail_sage@fws.gov>**Date** Thu 6/27/2024 1:01 PM**To** Zelenak, Jim <jim_zelenak@fws.gov>

FYI

Abby Sage

Fish & Wildlife Biologist

Washington Fish and Wildlife Office

360-359-8062

[she/her]

From: Jocelyn Akins <jocelyn@cascaDESCARNIVORE.org>**Sent:** Thursday, June 27, 2024 11:52 AM**To:** Sage, Abigail H <abigail_sage@fws.gov>; Sophie Preckler-Quisquater <squisquater@ucdavis.edu>; Ransom, Jason I <Jason_I_Ransom@nps.gov>**Subject:** Re: [EXTERNAL] Re: pers comm for lynx recovery plan

Hi Abby,

Ok there is our pers comm

"From a systematic scat collection effort across the Okanagan LMZ during 2018 to 2023 , analysis of DNA samples collected documented 73 individual lynx in north central Washington (J. Akins and J. Ransom, personal communication, June X, 2024). Expected heterozygosity ($H_e = 0.6988$, $SD = 0.0259$) for lynx sampled in Washington was comparable to that of lynx sampled in British Columbia ($H_e = 0.6790$, $SD = 0.0492$). Additionally, little evidence of inbreeding was found within Washington ($FIS = -0.0426$, $SD = 0.0339$). Recapture rates were low which indicates either 1) not enough survey effort was conducted to maximize recaptures 2) recruitment was low or 3) individuals were moving out of the study area. A female that was initially sampled in Washington in September of 2020 was trapped in BC in December of 2022."

Thanks

Jocelyn

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