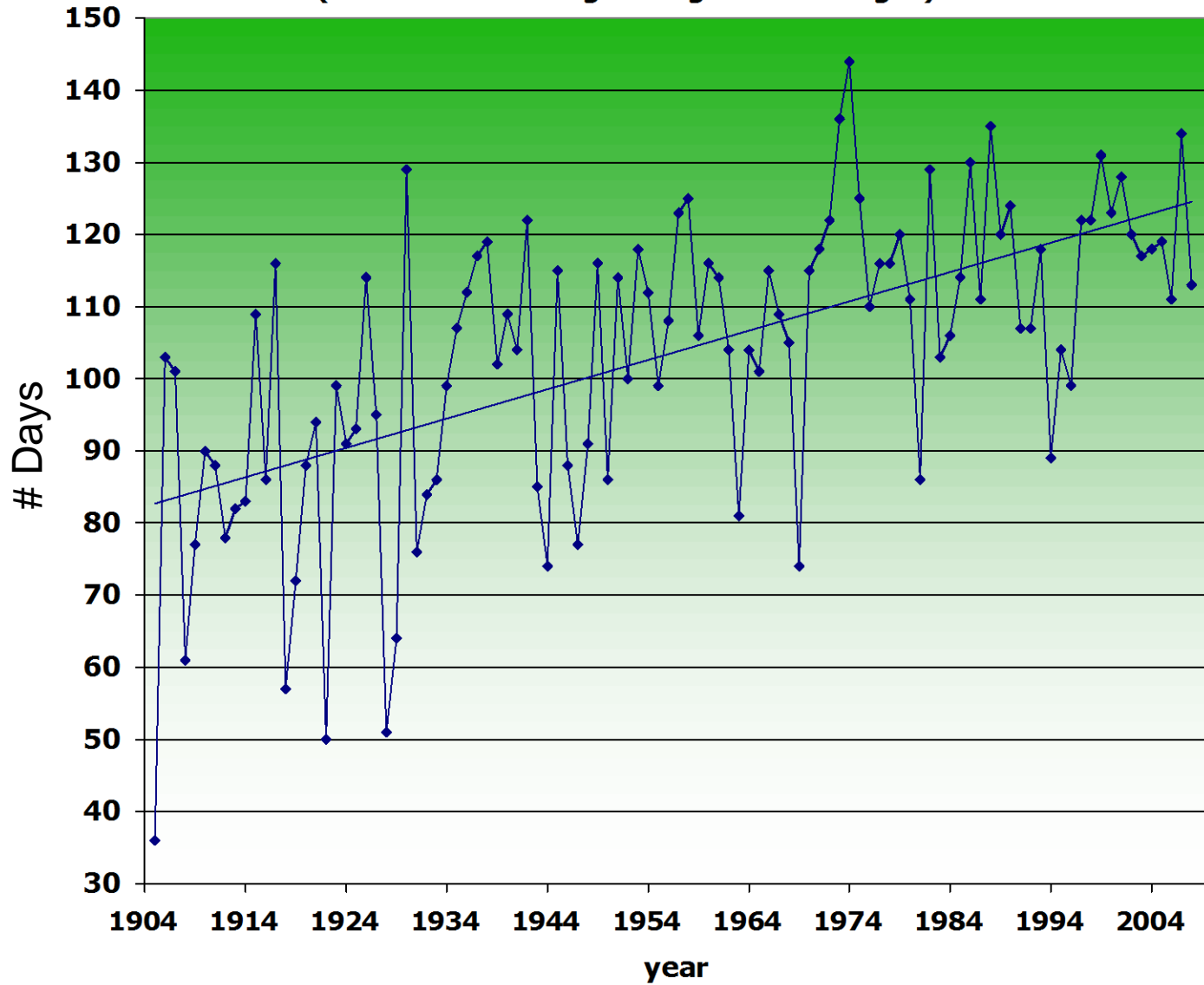


2014 Bonanza Creek LTER Symposium

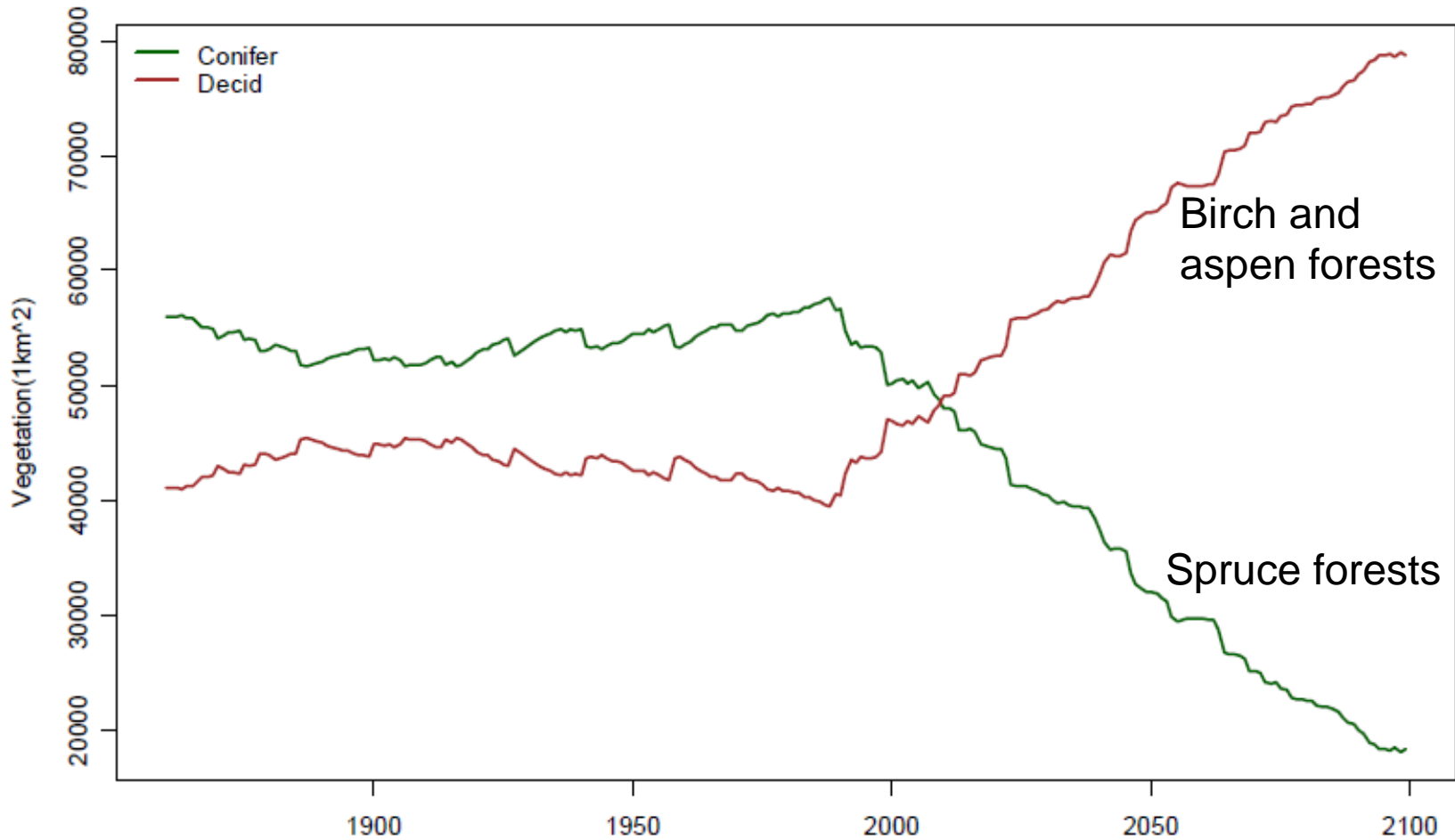




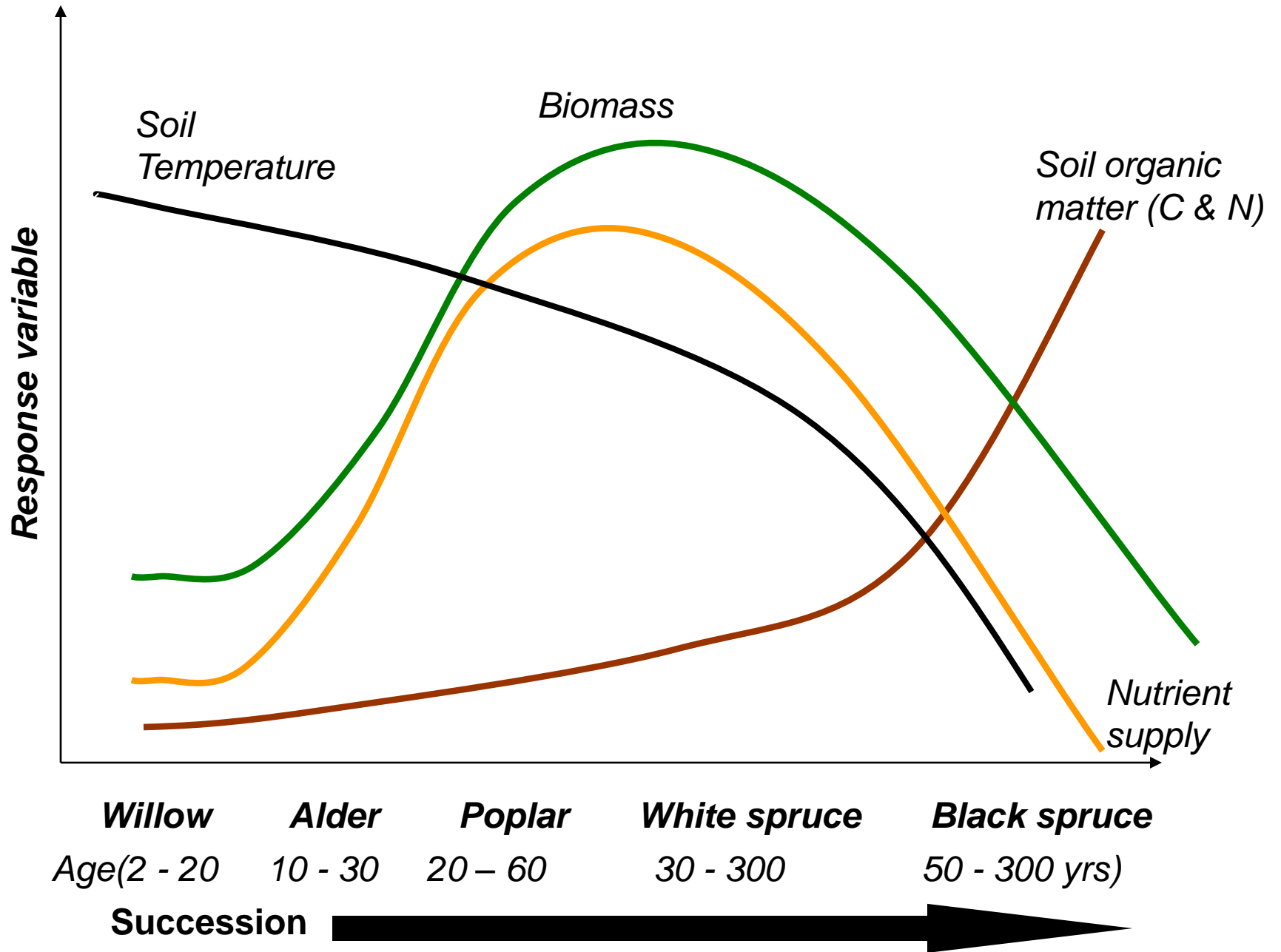
Fairbanks frost-free season (50% increase in growing season length)



Simulated Amount of Vegetation Types over Time









120k



?



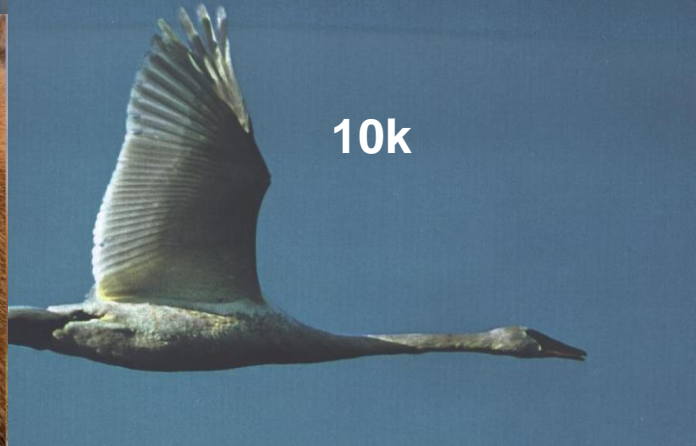
10k



1M



40k



10k



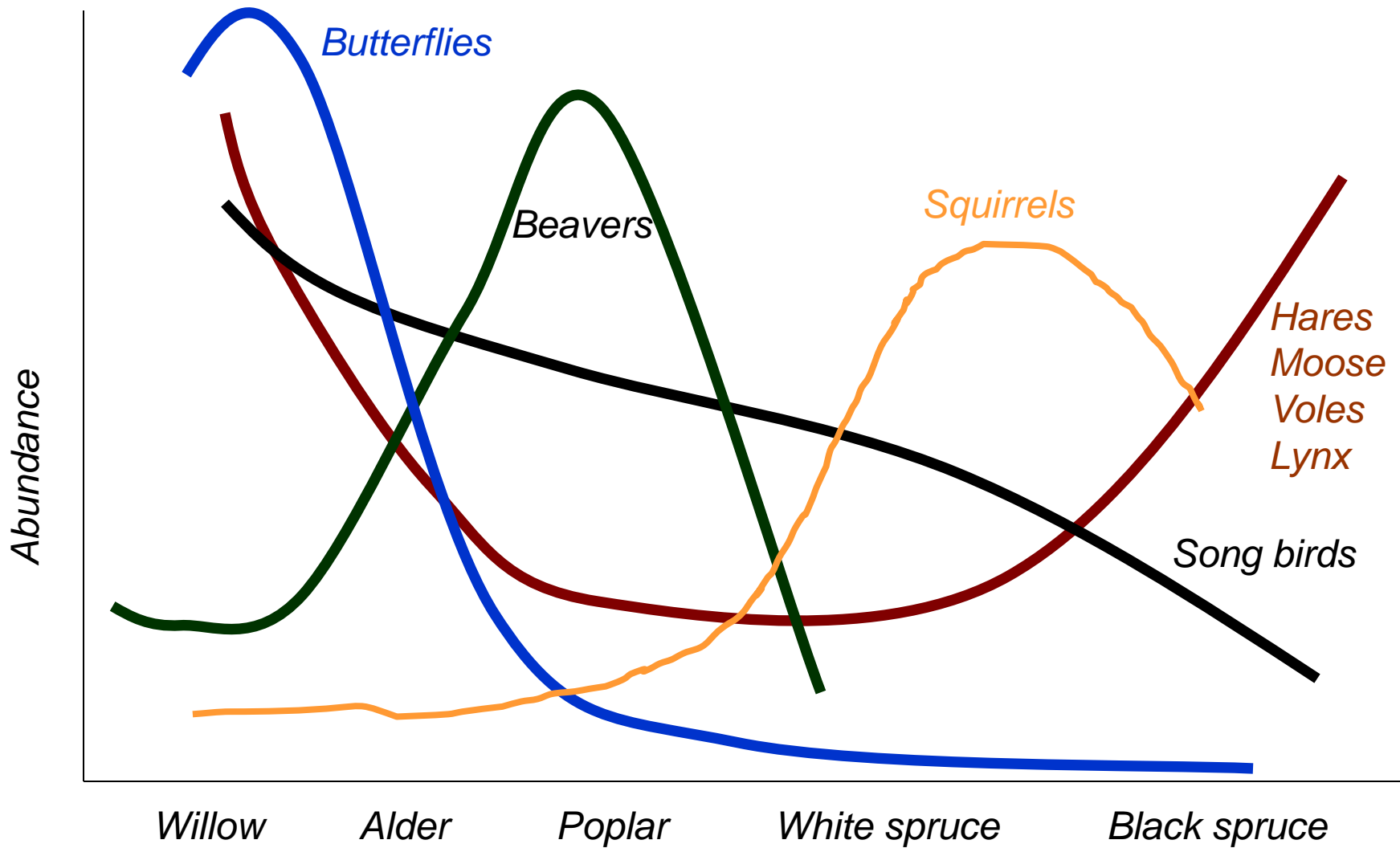
1.5M



?



Animal distributions across succession in a boreal forest













Aspen leaf miner



Willow blotch miner

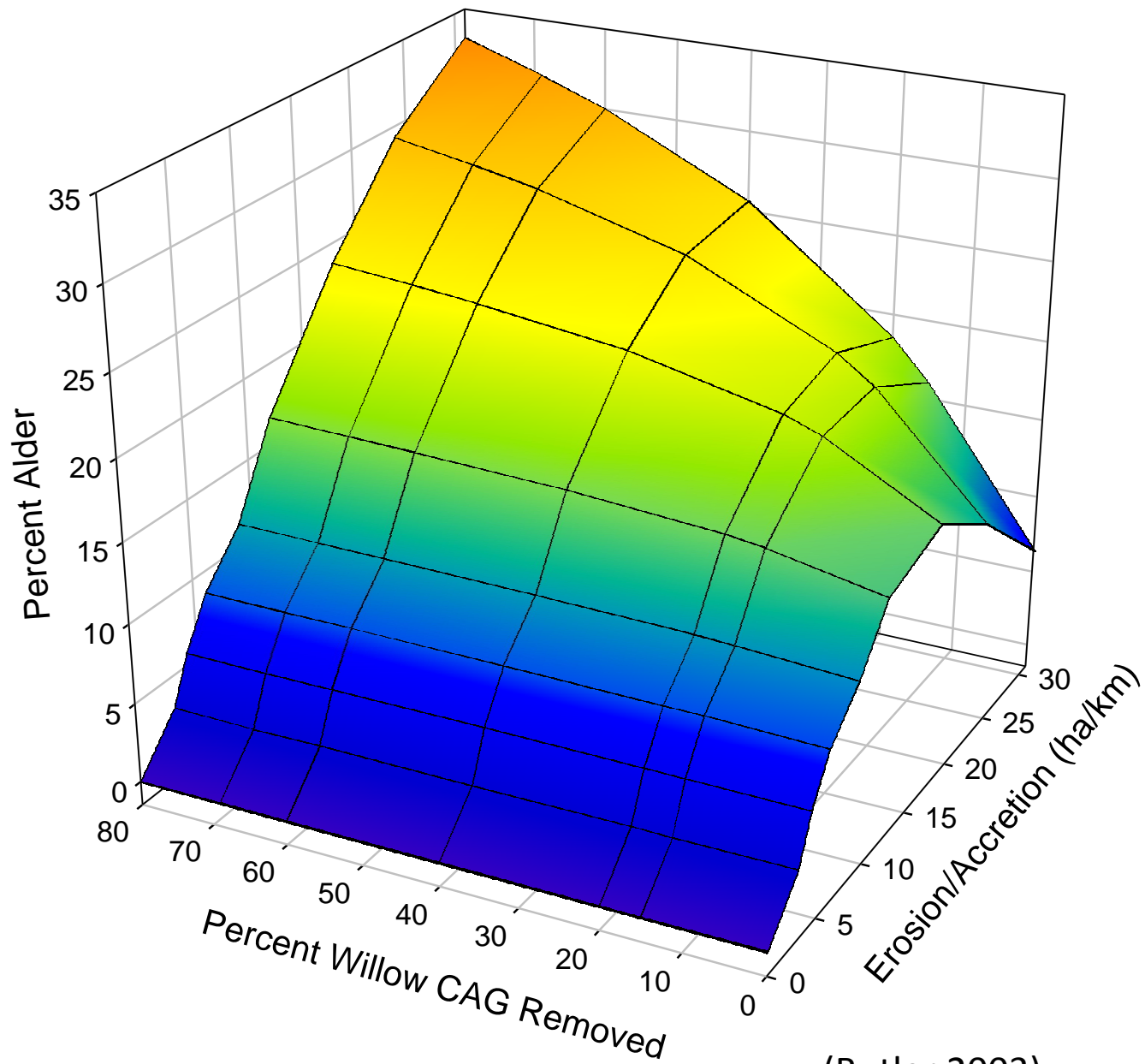








Photo by R. Ruess

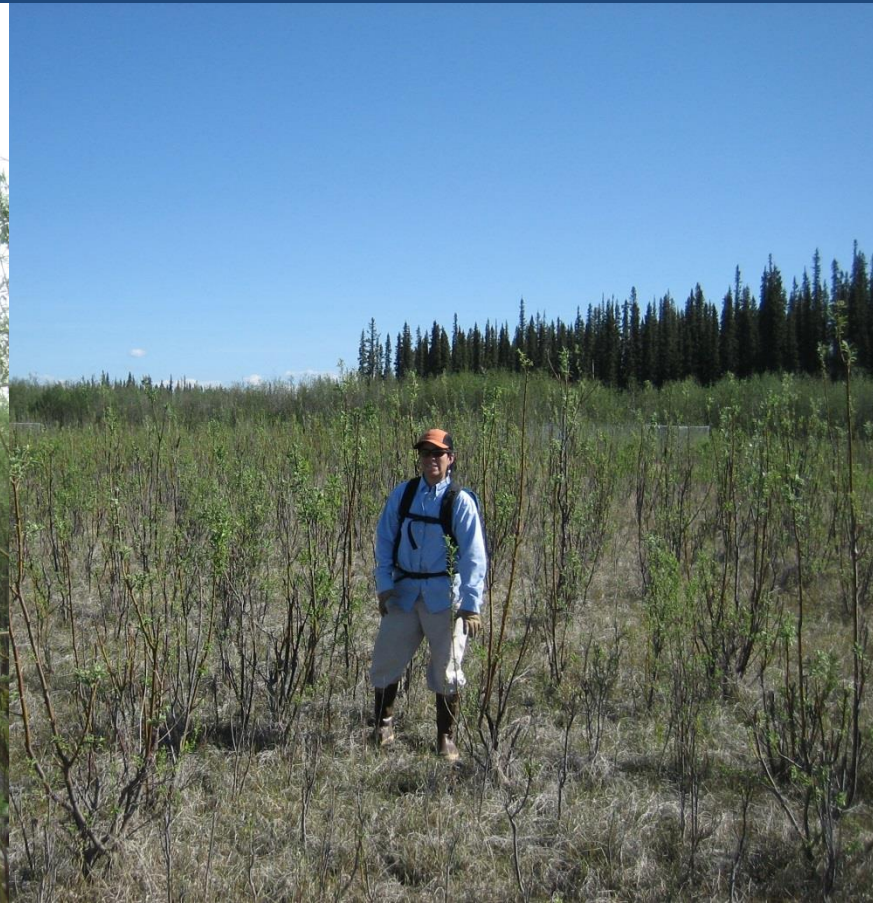


(Butler 2003)

Yukon River (LD)



Tanana River (HD)

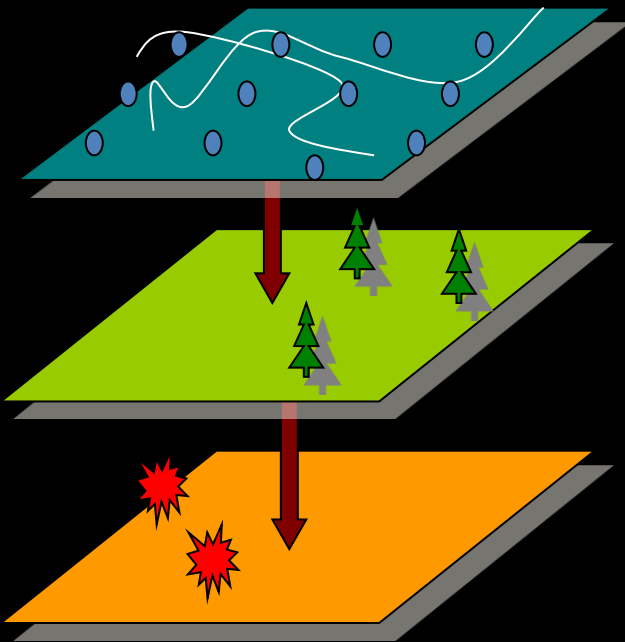












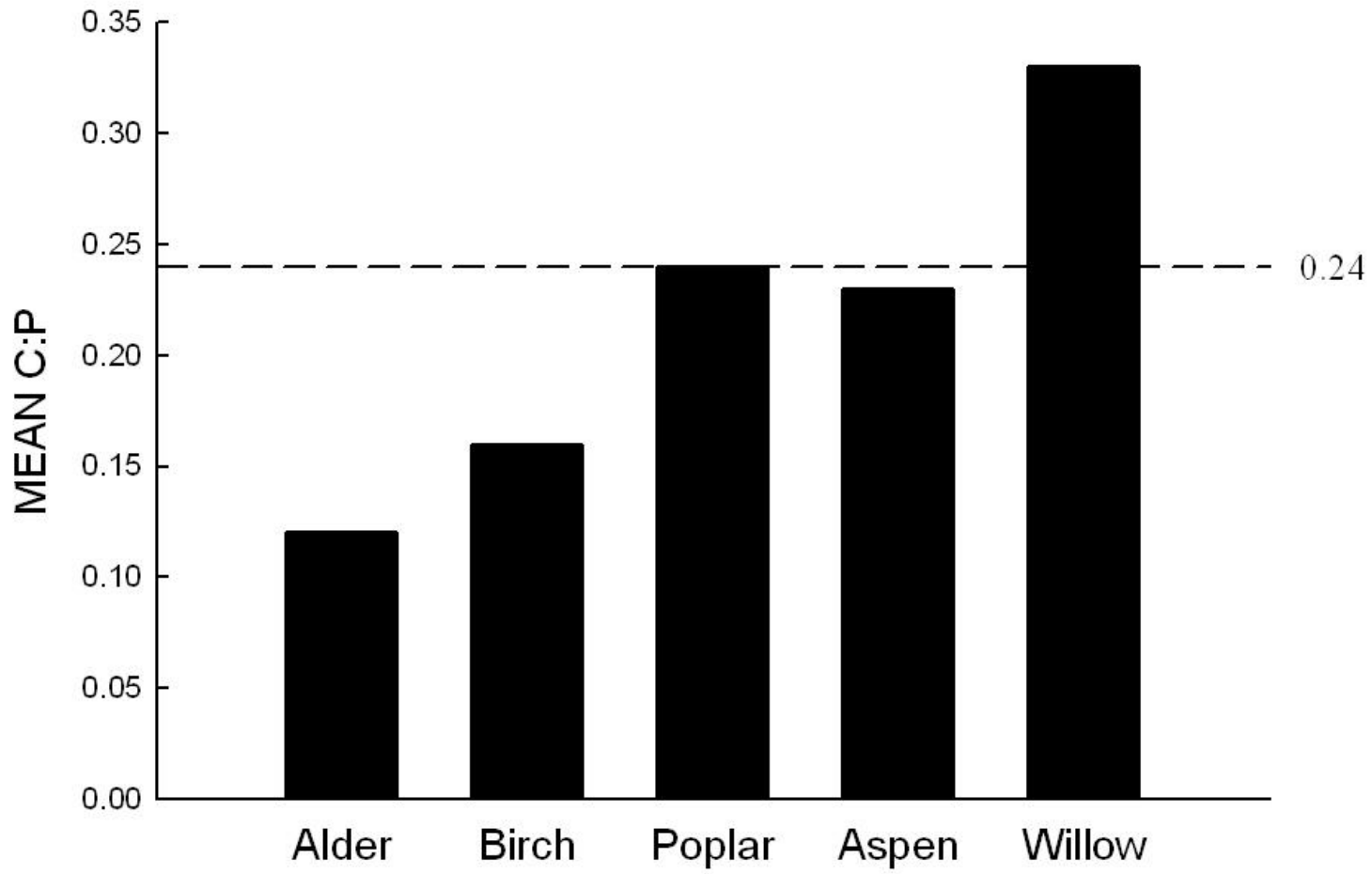
Moose use of winter foraging habitat: browse, track, fecal pellet surveys

Current vegetation matrix: satellite images/groundwork

Burn severity index from 1983 Rosie Creek Fire using Landsat TM







Lord 2008

$$\lambda = 1.07$$

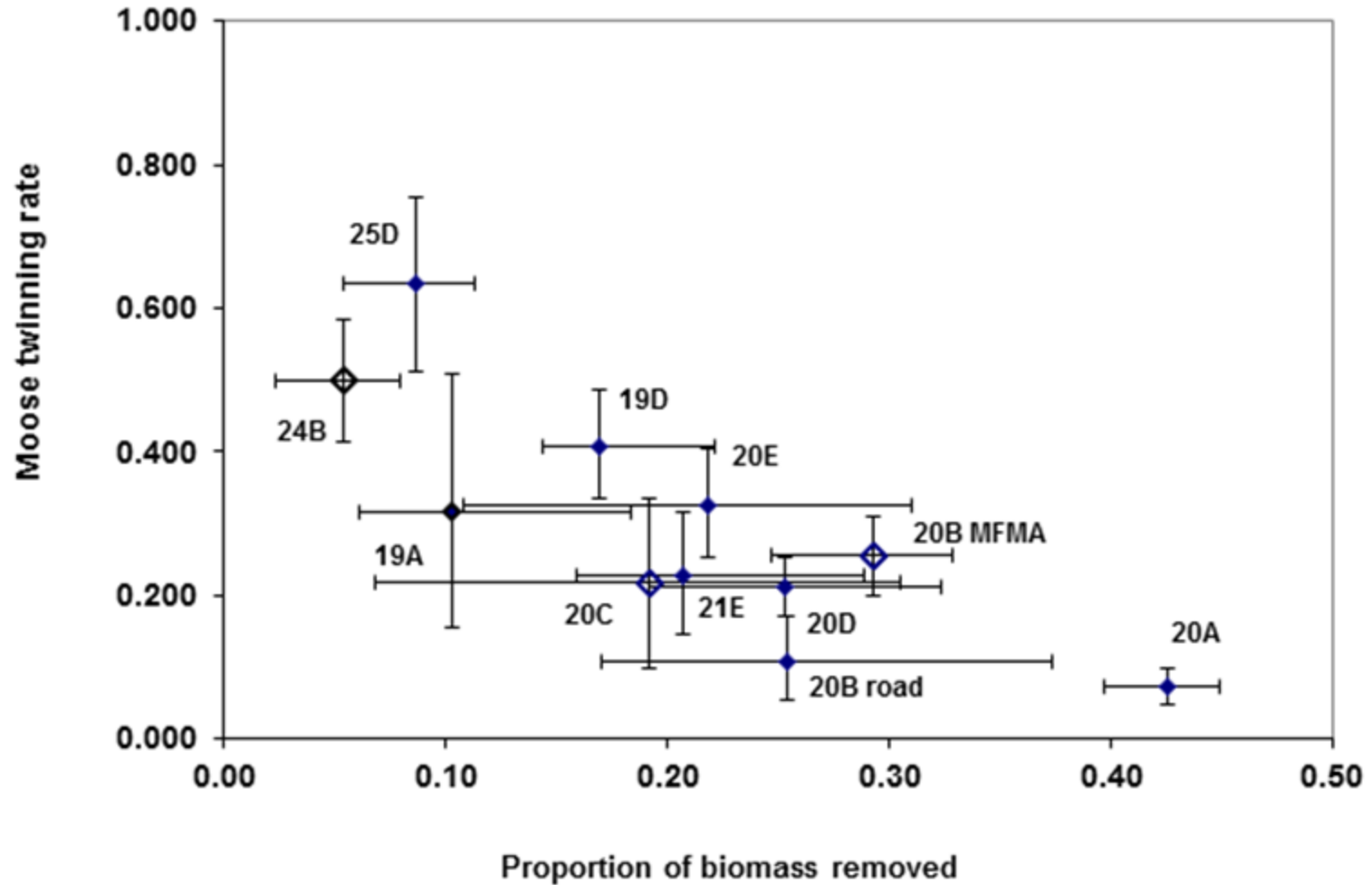
(With predator control)

$$\lambda = 1.10$$

(Without predator control)



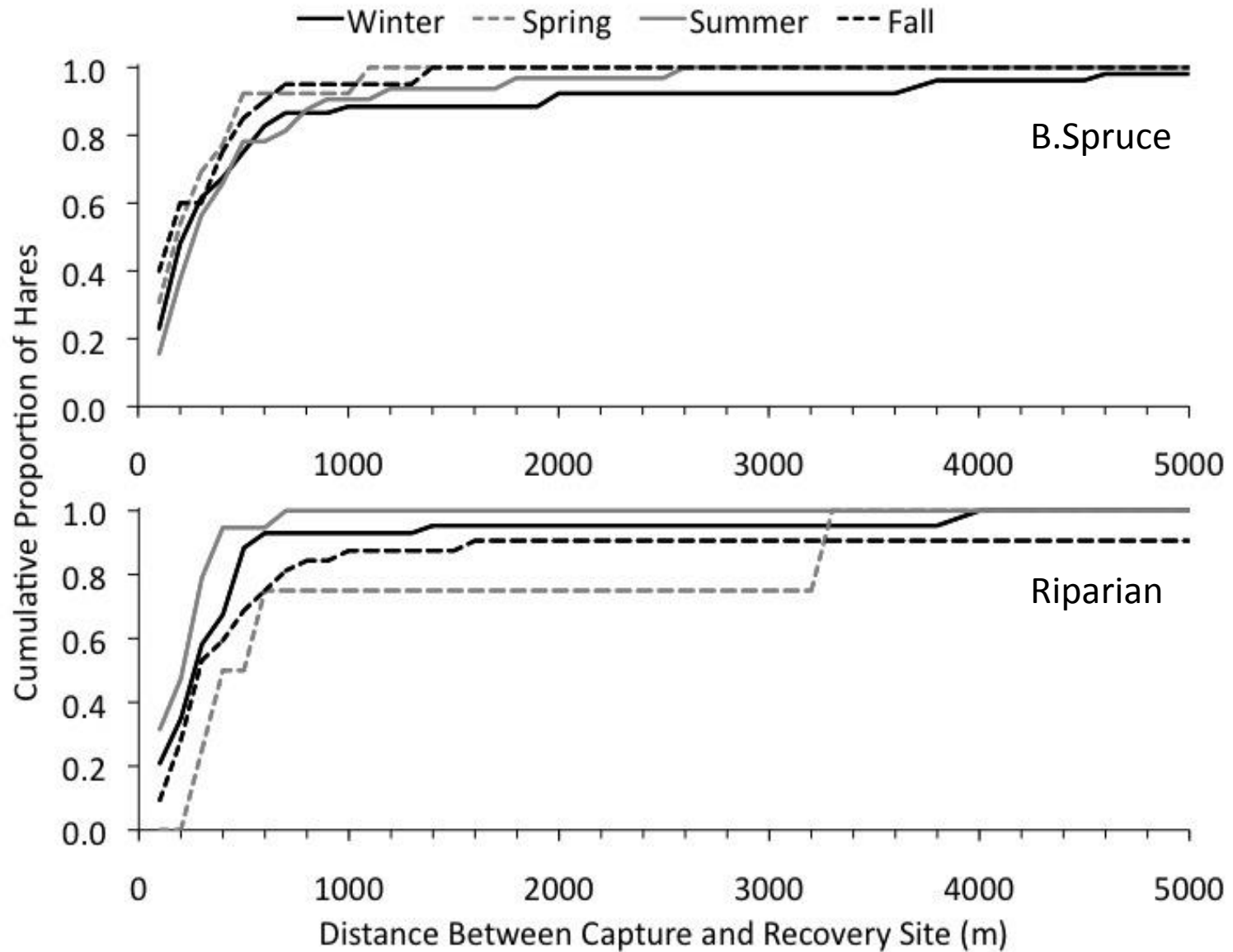
Relationship between proportion of CAG browse biomass removed (single survey, sampled twigs only) by moose and proportion of cow moose with twin calves (≥ 2 surveys in separate years) for 11 study areas in Interior Alaska, 2000–2013 (Paragi et al. 2014)





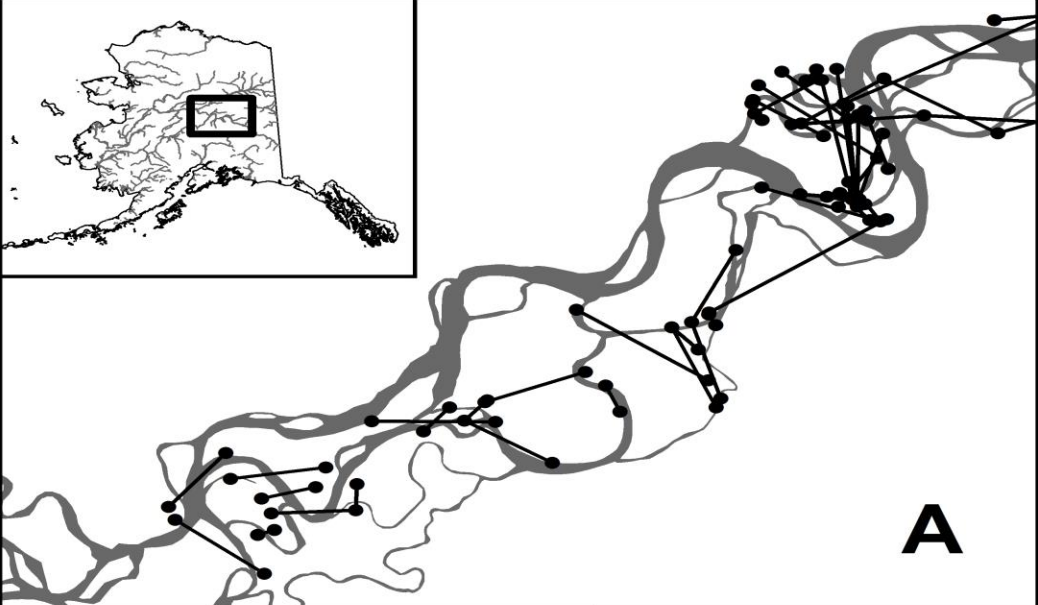
D. Feierabend photo

Movement distances of snowshoe hares from collaring to death 2008 - 2013

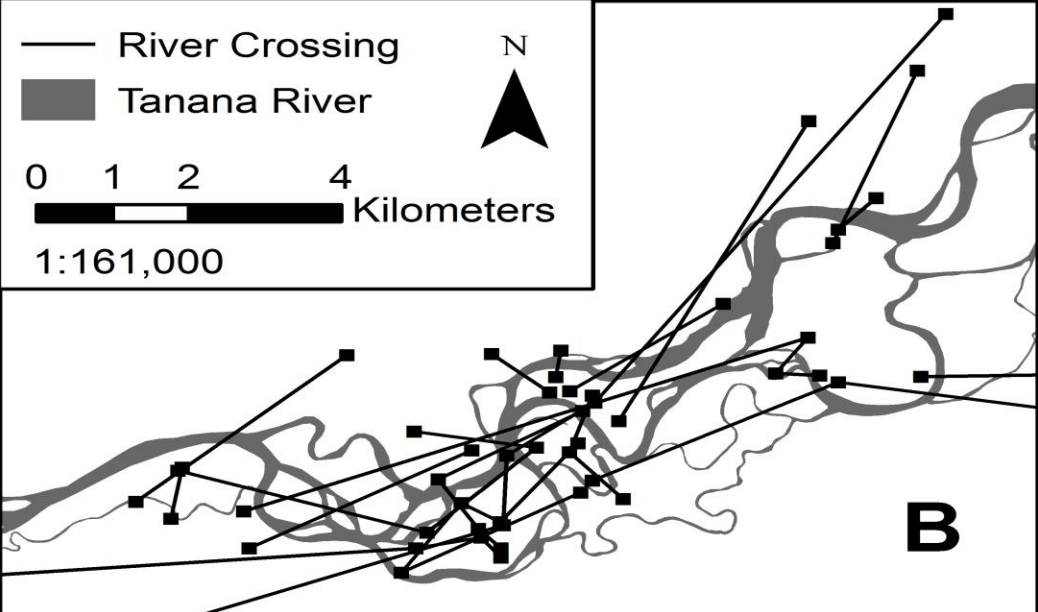








A



B



Photo by Skip Ambrose





