

Wildlife objectives: mixed-conifer dry forest

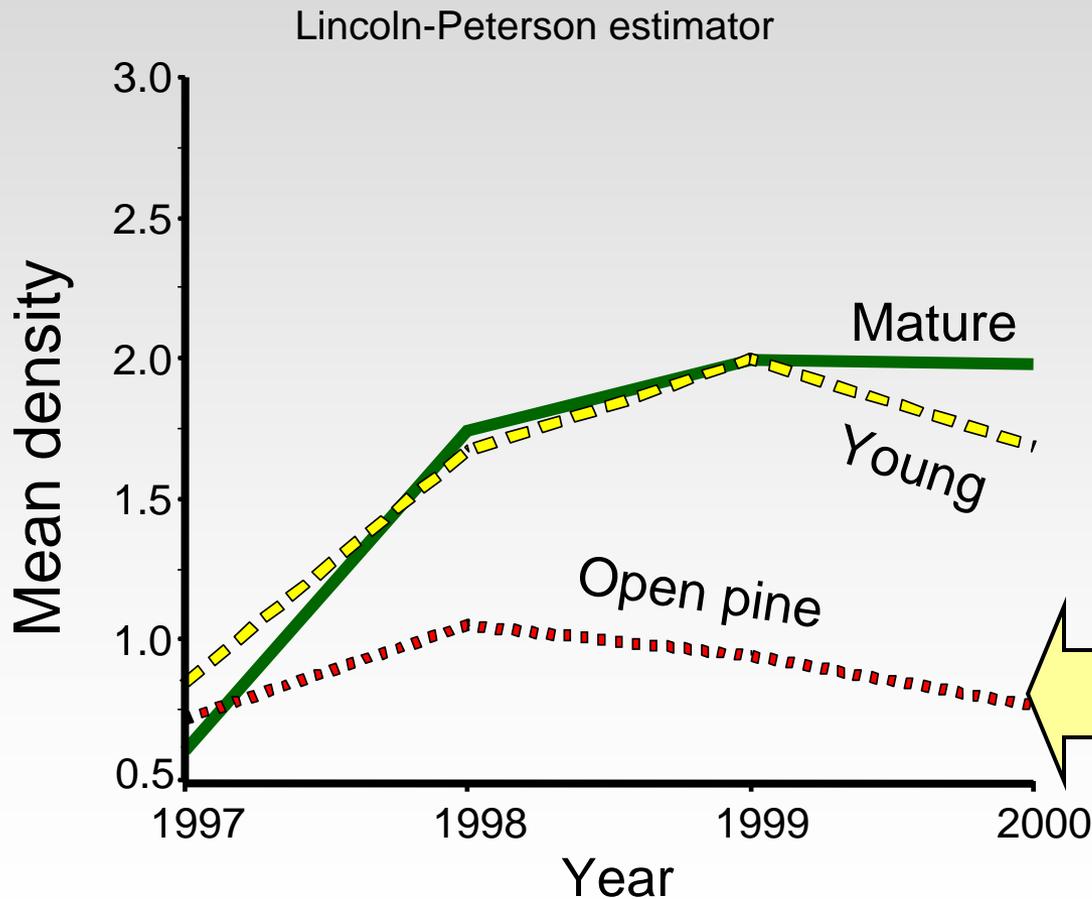
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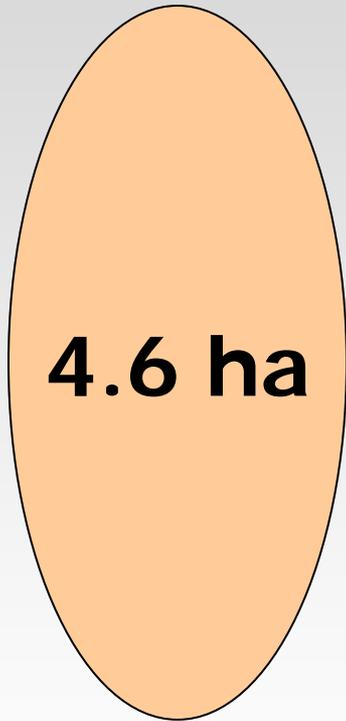


Flying squirrel density



Open pine forest consistently is poorer habitat.

Home range area as indicator of habitat quality.....



Open Pine

Flyers in PIPO foraged in mixed conifer stands

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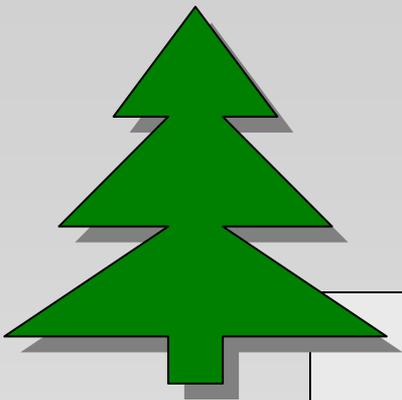


Young

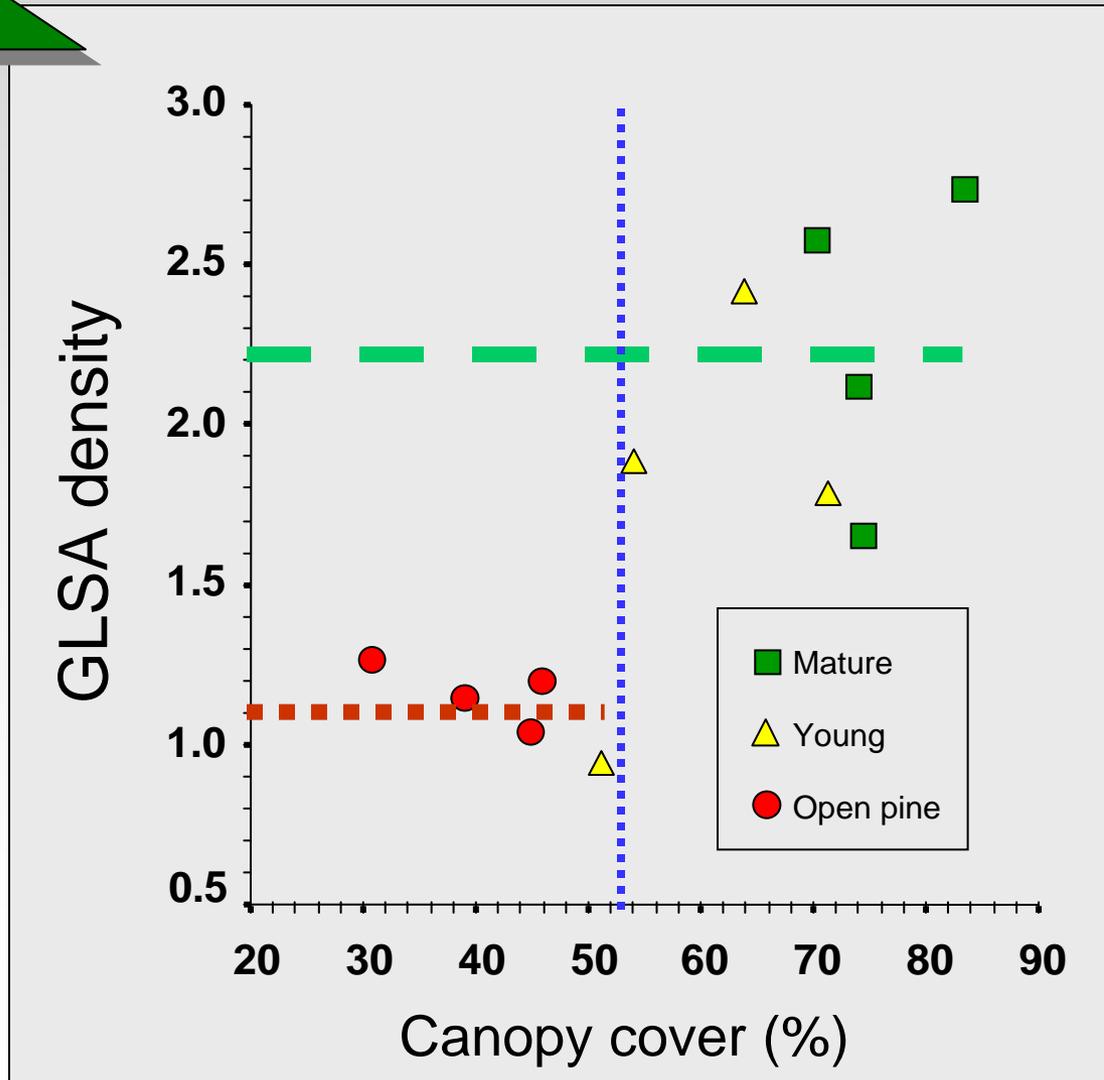
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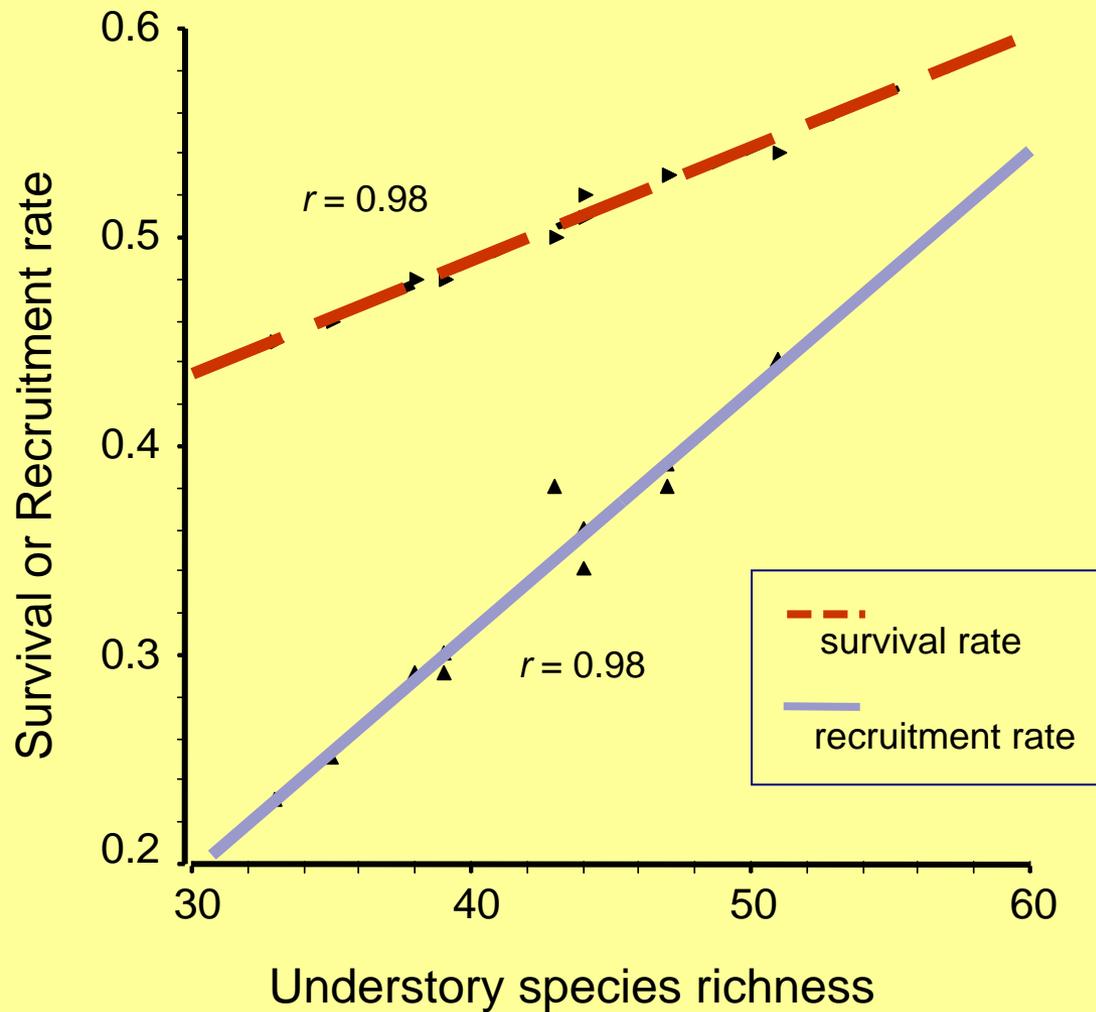
Mature



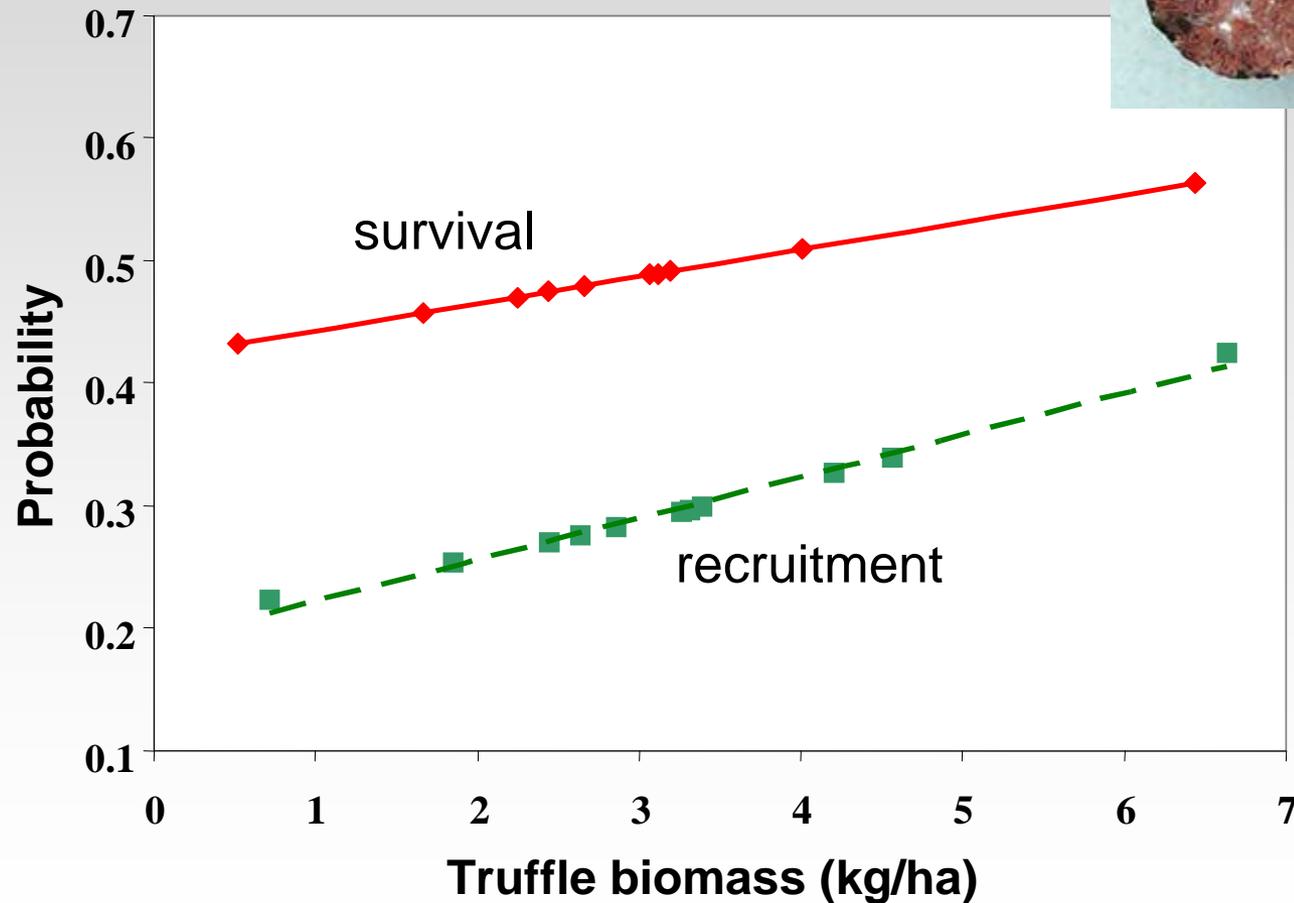
Low canopy closure
= fewer flying squirrels



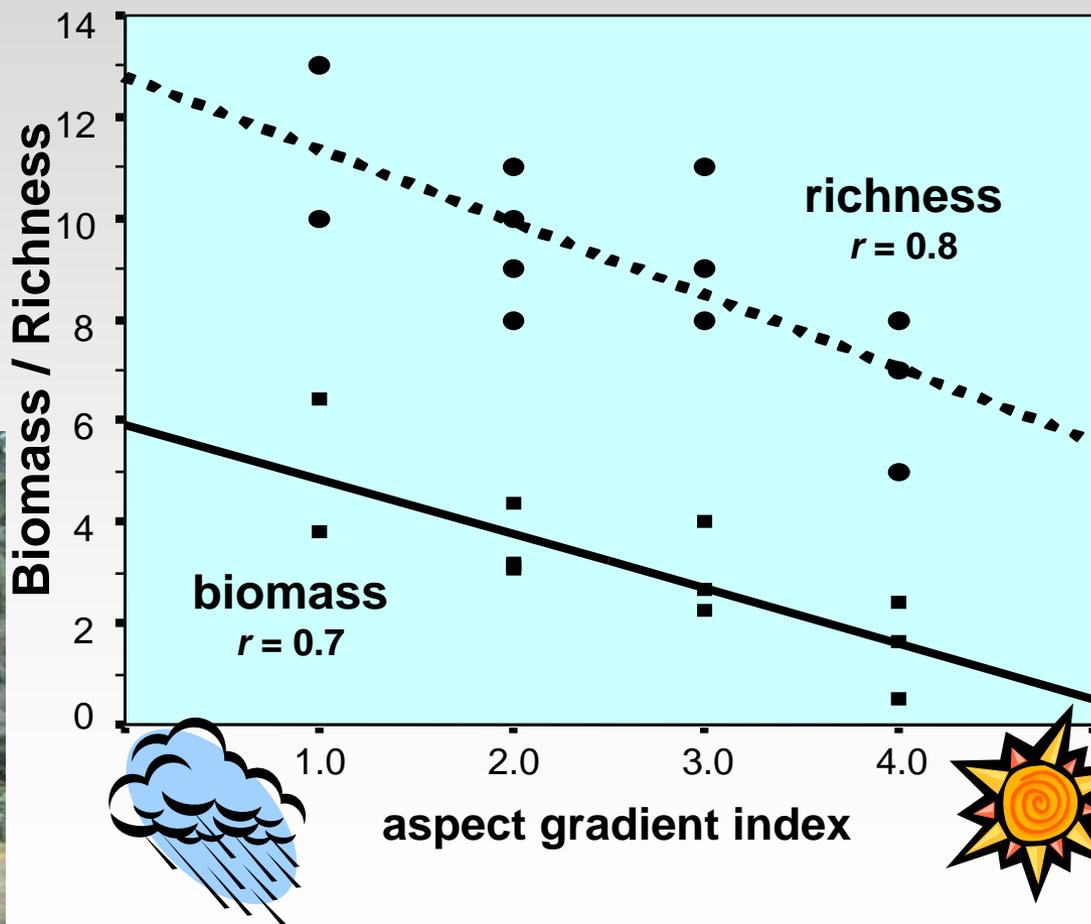
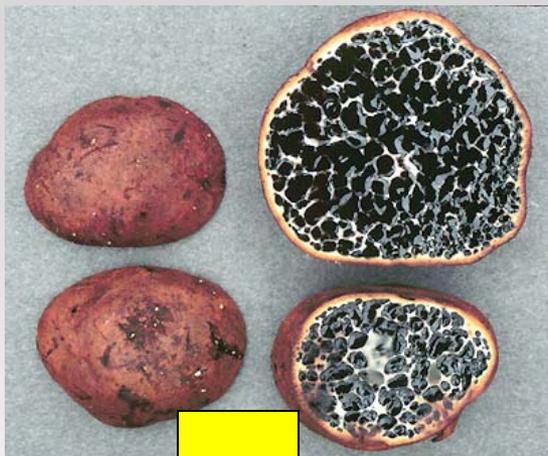
Flyer fitness increases with richness of plant understories...



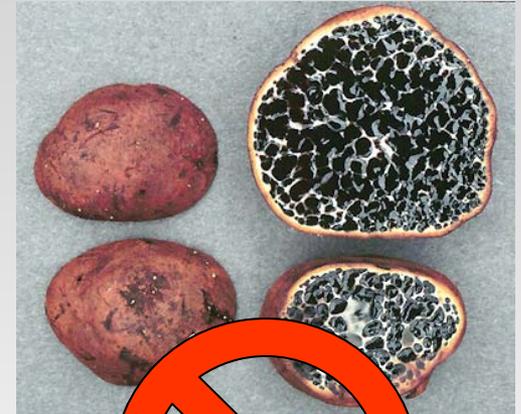
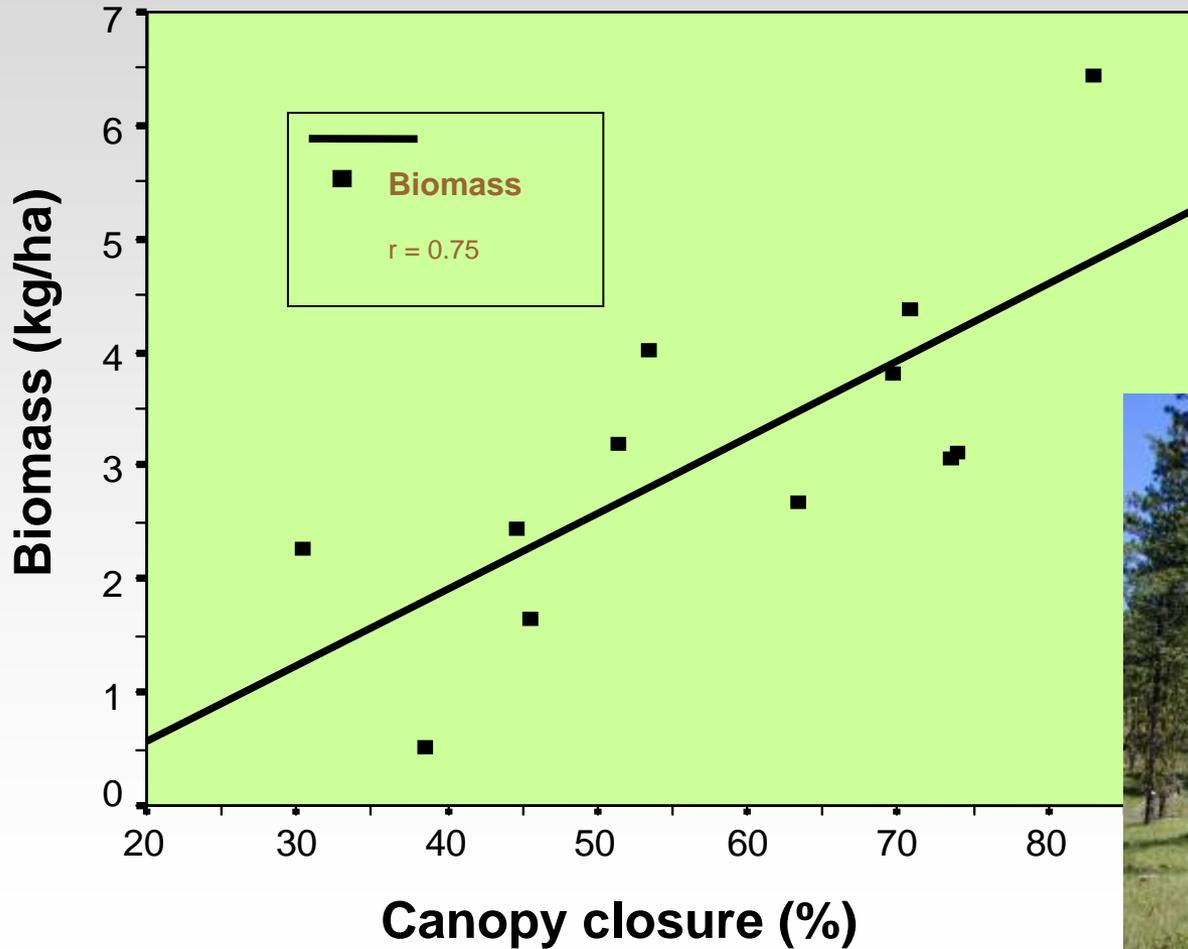
Truffle biomass important for survival & recruitment....



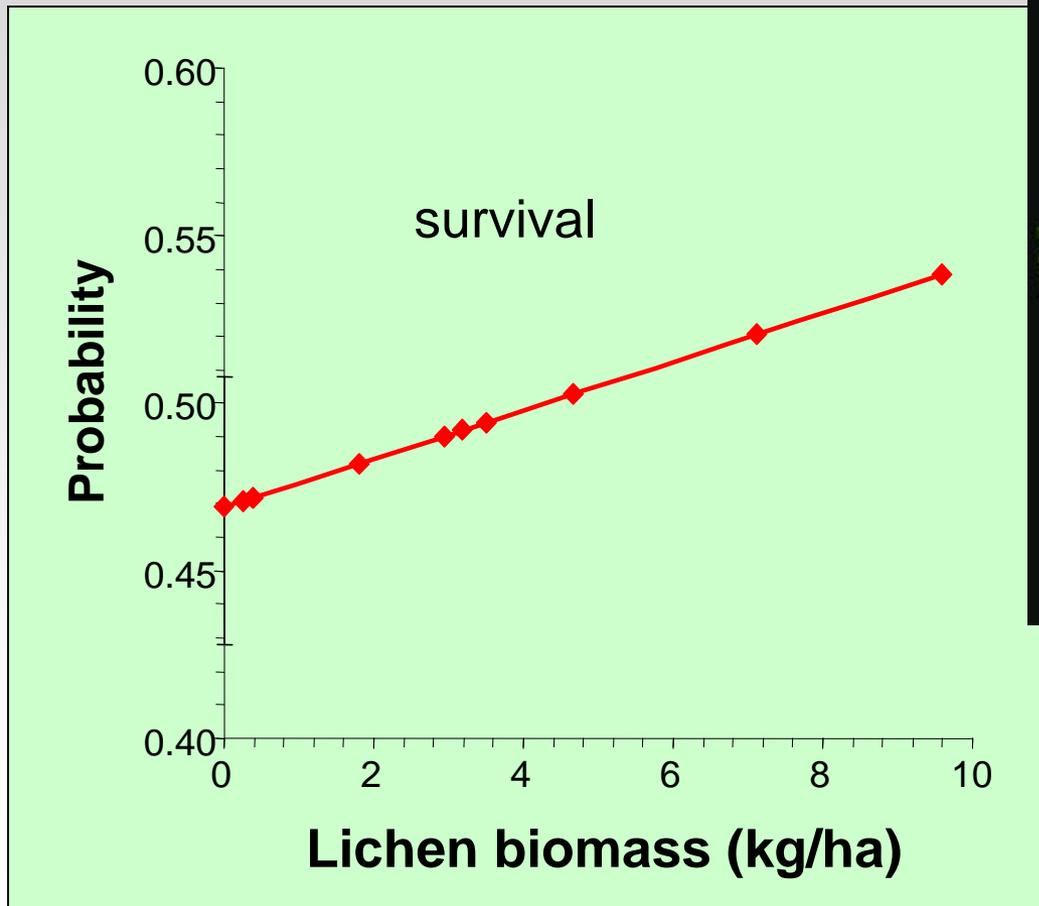
Truffle biomass & richness is higher in cool-moist environments



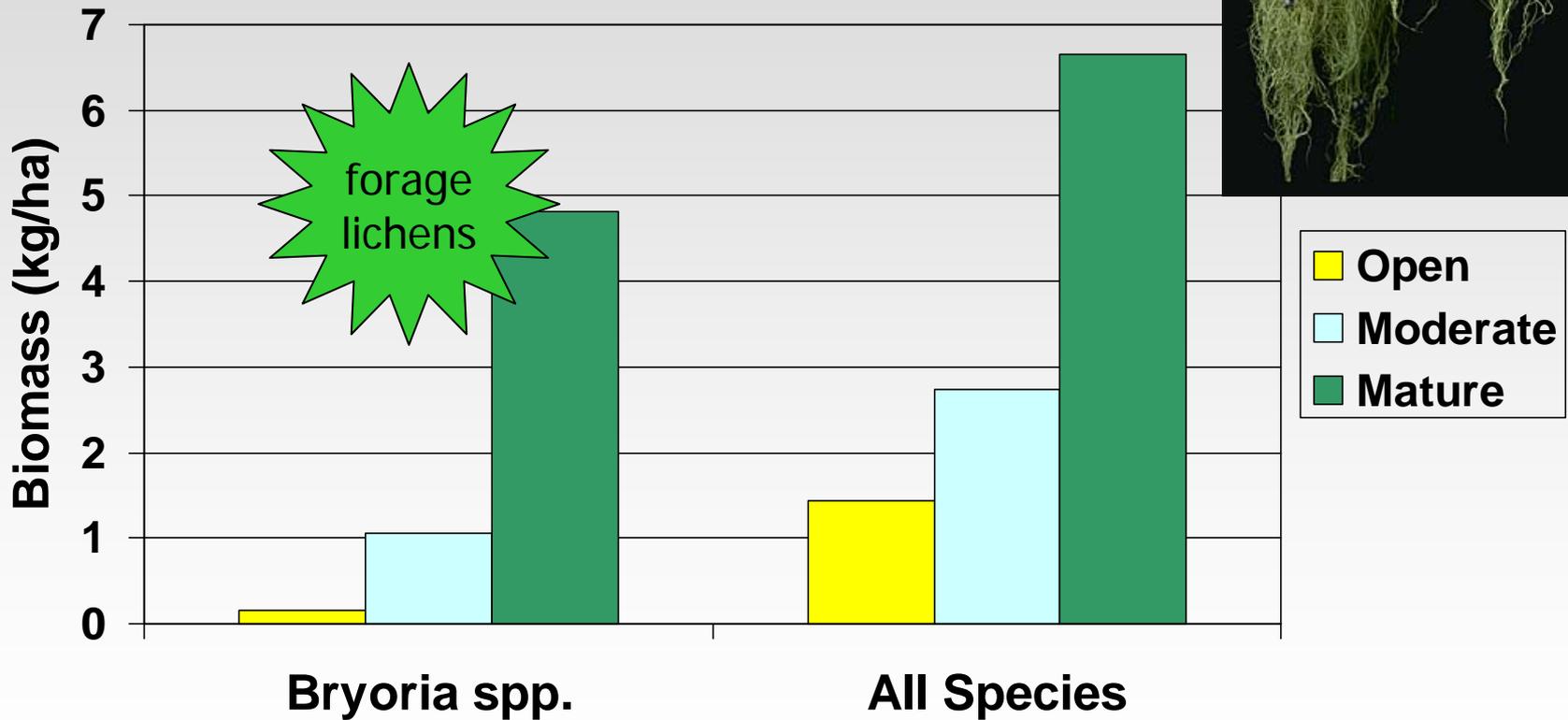
Truffle food increases with canopy closure



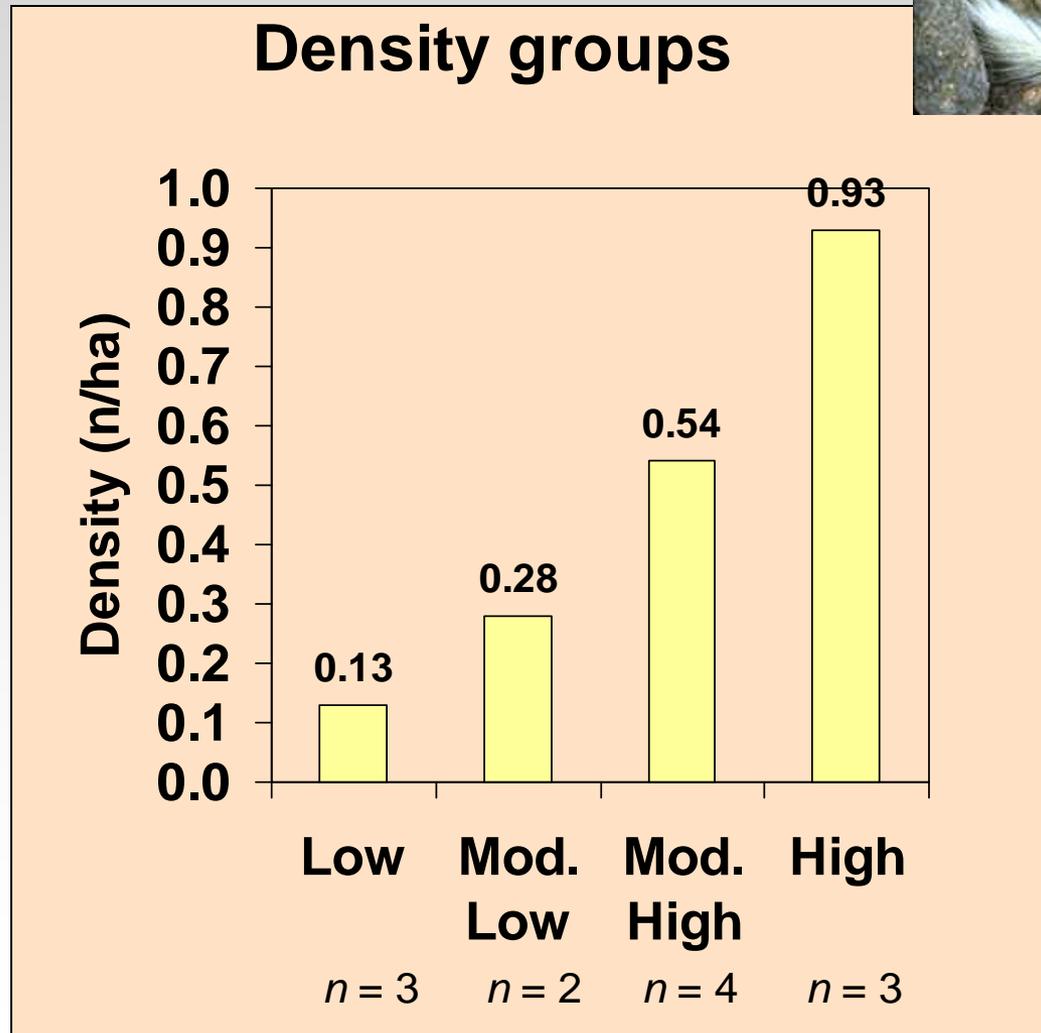
Flyer survival rate increases with forage lichen biomass...



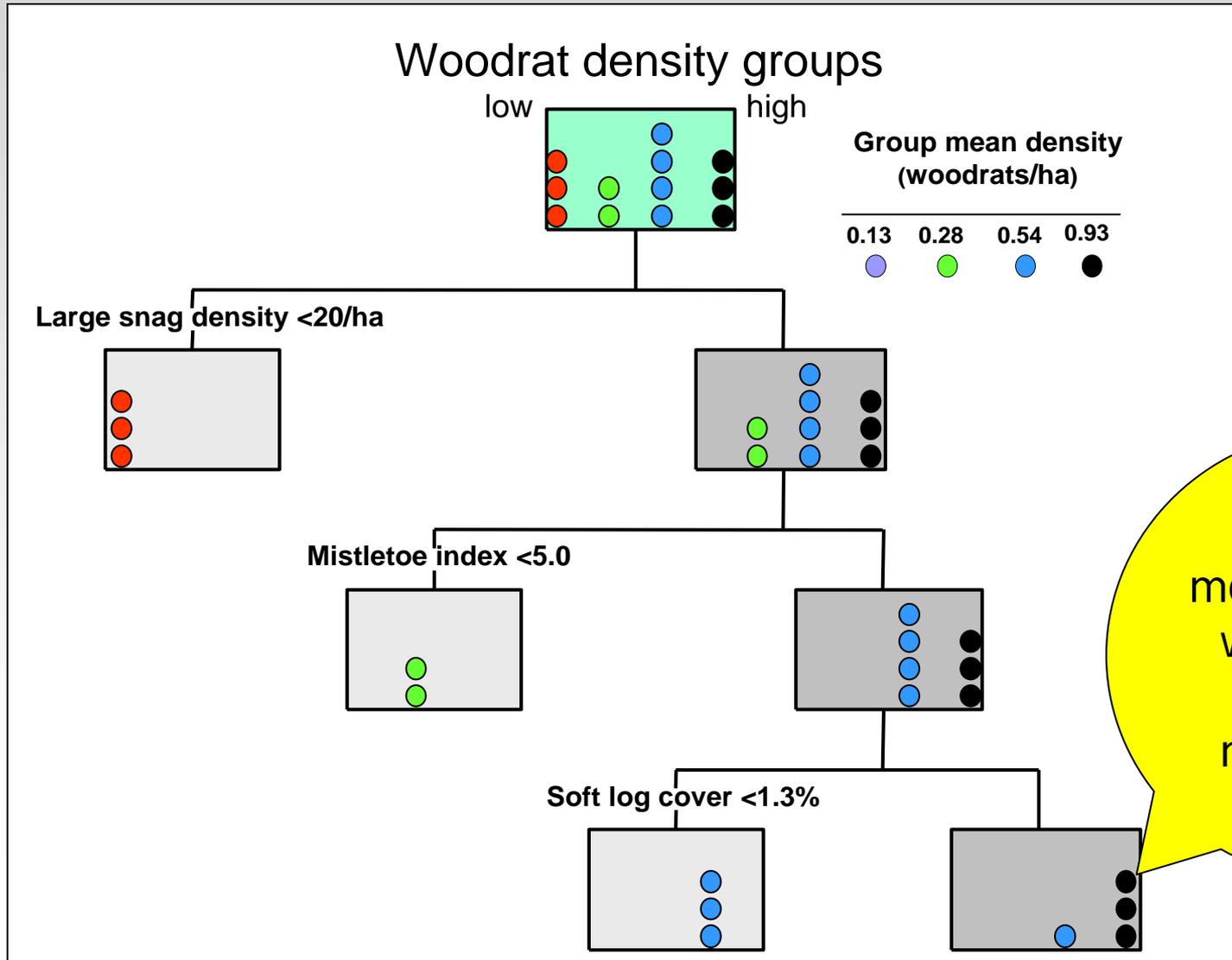
Lichen biomass highest in old moist stands



Bushy-tailed woodrat density



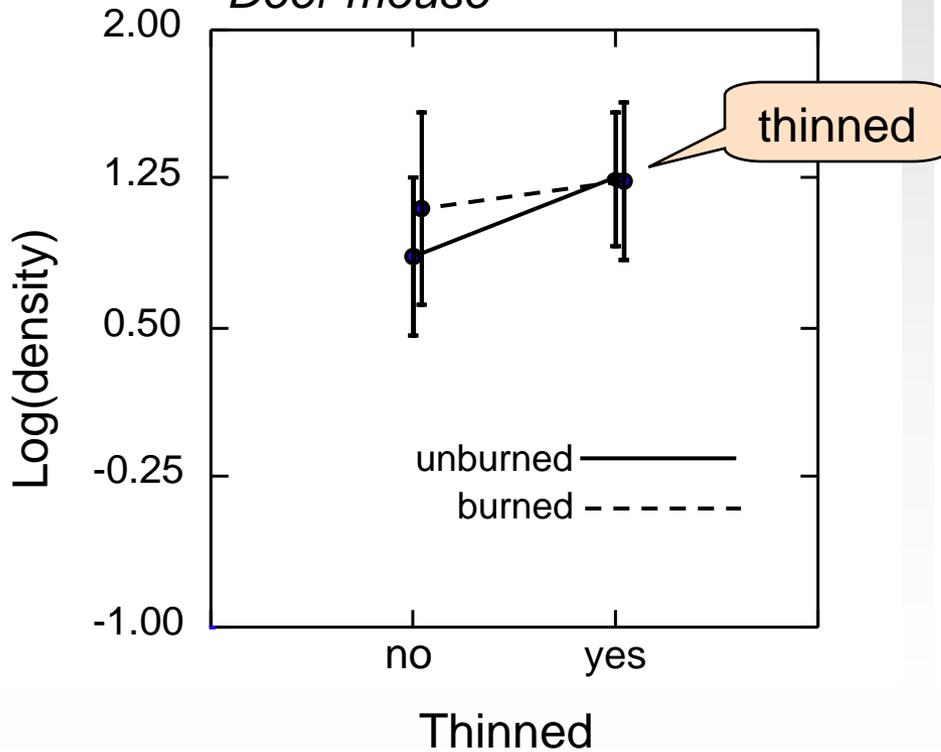
BT woodrats density highest where dead wood & mistletoe...



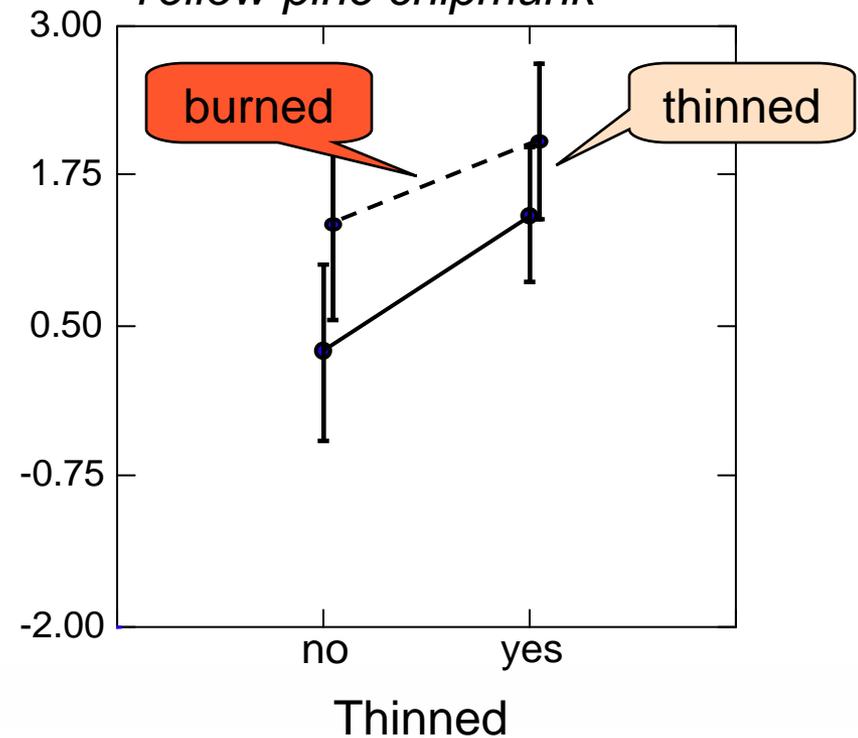
Treatments increase dominant small mammals



Deer mouse



Yellow-pine chipmunk



Retain mesic patches of stands & landscapes...

	Mesic stands						Dry stands						
"Mesic-site" spp.													
southern red-backed vole	1												
long-tailed vole				1									
montane shrew	1	1	1										
Townsend's chipmunk	1	1											
creeping vole	1	1	1	1	1	1							
American shrew-mole			1	1		1							
deer mouse	3	3	3	3	2	2	1	1	1	1	2	1	
Trowbridge's shrew	1	2	2	1	1	1	2						
northern pocket gopher	1			1	1	1	1						
"Dry site" spp.													
Great Basin pocket mouse						1	1		1	1			
vagrant shrew			1	1					1	1	1		
yellow-pine chipmunk	1	1	1	1	1	1	1	1	2	2	2	1	

Treatment objectives to test...

■ Flying squirrels

- Maintain 50% closure overall, but *patchy*...
- Leave patches large trees (lichens, truffles).
- Create open patches (understory richness).
- Large down wood (truffles).
- Large old snags, large mistletoe brooms (dens).

■ Bushy-tailed woodrats

- Large old snags & replacements.
- Large mistletoe brooms.
- Large down wood.

■ Other small mammals

- Patchy dense & open stands maintain diversity.