[illegible]

Frequency Season Scale

Frequency Season Scale

NB-66

Fire
suppression
for 40 years



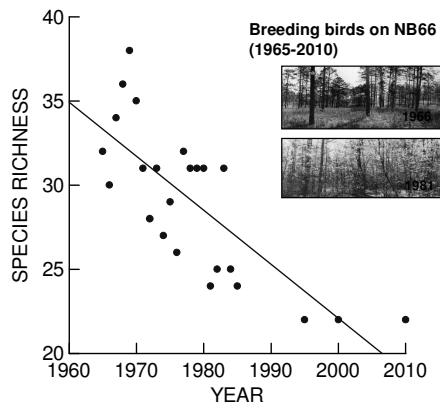
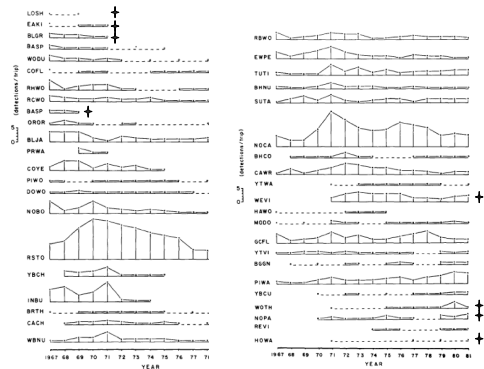
Loblolly-
shortleaf



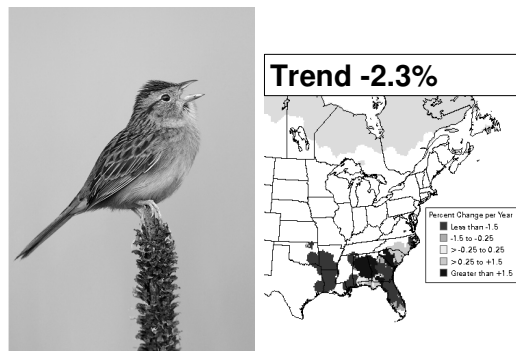
Water oak,
sweetgum,
pine



Bird Counts on NB66: 1966-1983



Fire Frequency and Bachman's Sparrow

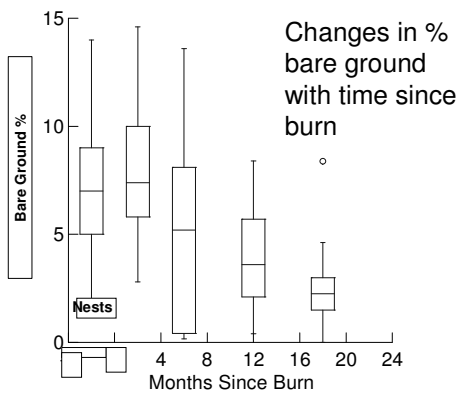
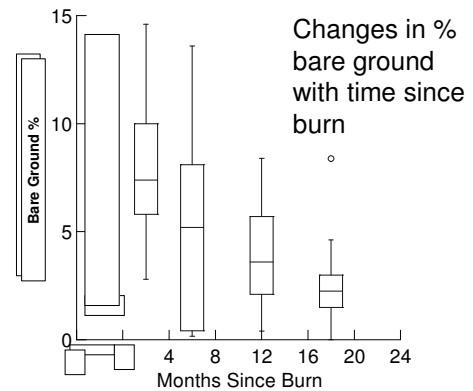


Nest Site Selection



**43 nests in
areas
burned <10
months**

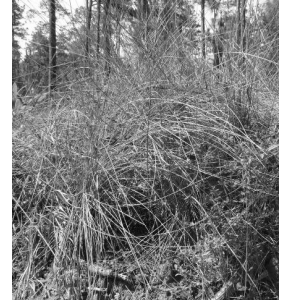
**4 nests in
areas
burned >18
months**



6 Months Post-burn



18 Months Post-burn



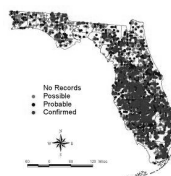
Burn frequencies optimal for some species may seem extreme

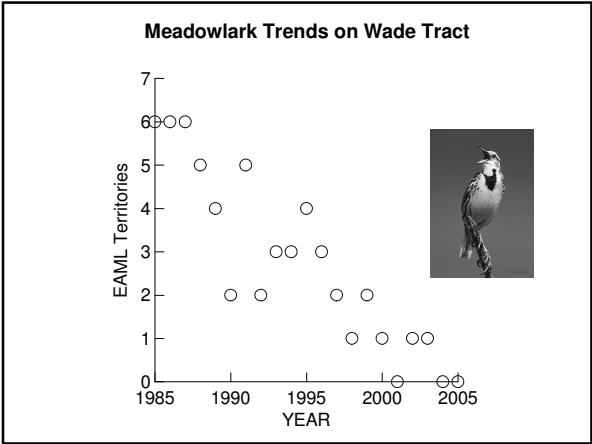
Eastern Meadowlark



Florida BBS trend: -5.45% per year

Eastern Meadowlark





RED-CKADED WOODPECKER

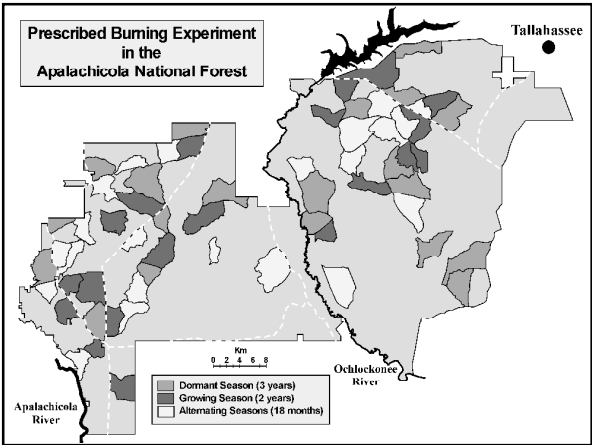
Cavities excavated only in living pine trees

Requires large areas of mature (>90 yrs) pine forests (BA 40-80+)

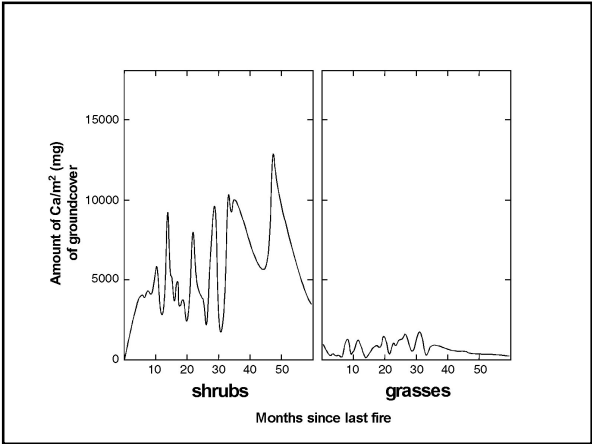
Requires frequent (≤ 3 year) burning.

Greater diversity of arboreal ants on sites burned ≤ 3 year

Red-cockaded Woodpecker



	n	Average percent decrease in woody/palmetto per 10 years
1. Dormant season burn every three years	19	-2
2. Growing season burn every other year	18	-17
3. Both dormant and growing season burns	17	-24



Higher Frequency Improves Nest Productivity

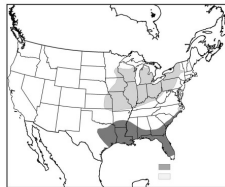
Higher frequency burning puts more calcium into food cycle.

Larger clutches laid in first year after a fire regardless of season.



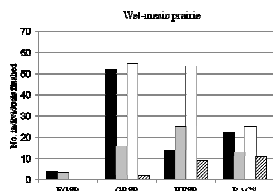
Henslow's Sparrow

Global Population <95,000
Winters throughout southeastern pinelands (Oct – Apr)



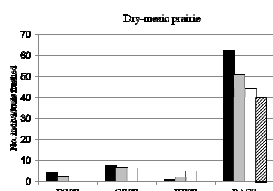
Christina L. Evans

Florida Grasshopper Sparrow and Migratory Grasshopper Sparrow



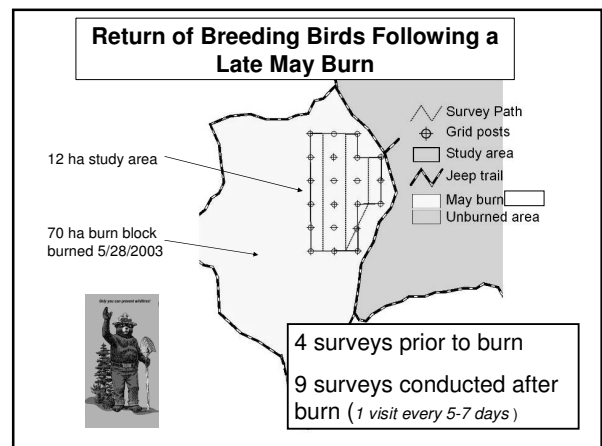
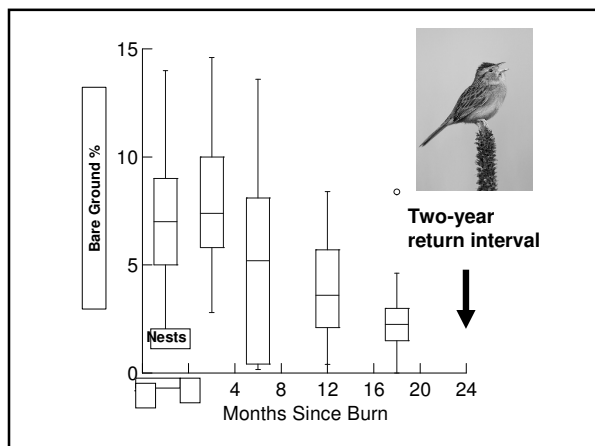
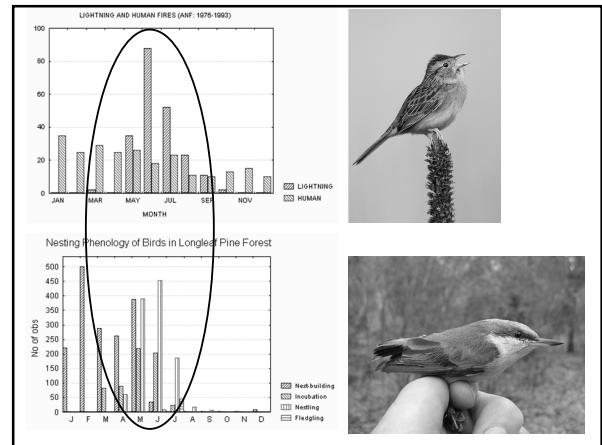
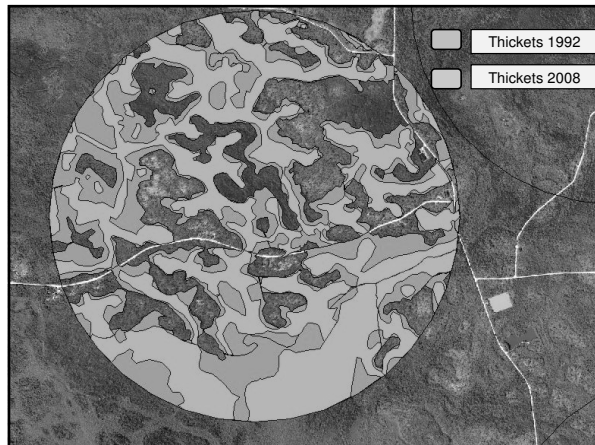
Burn class = number of growing seasons post-burn

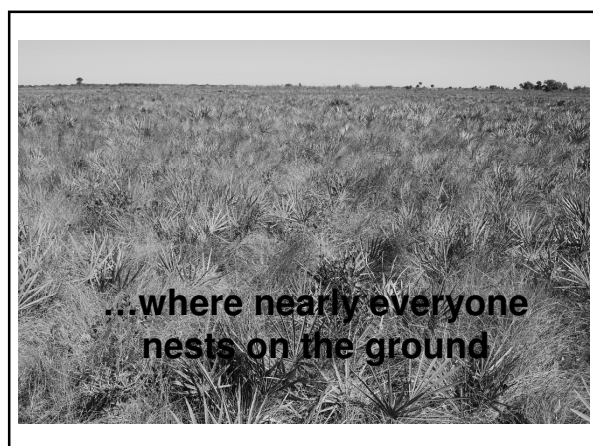
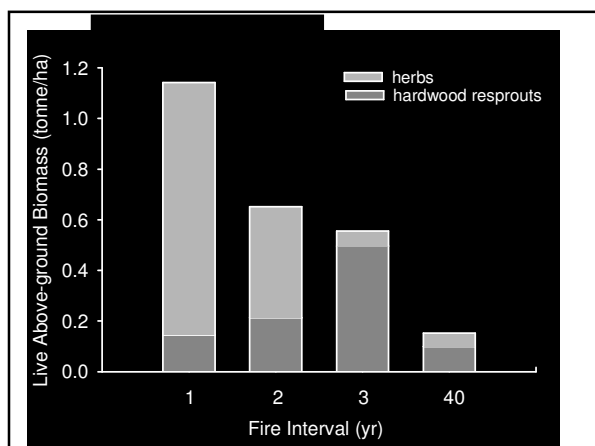
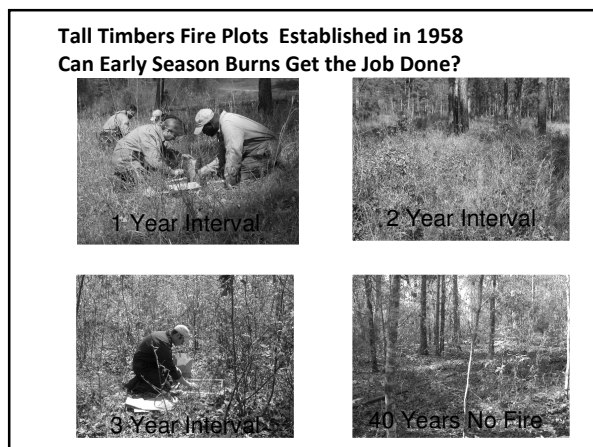
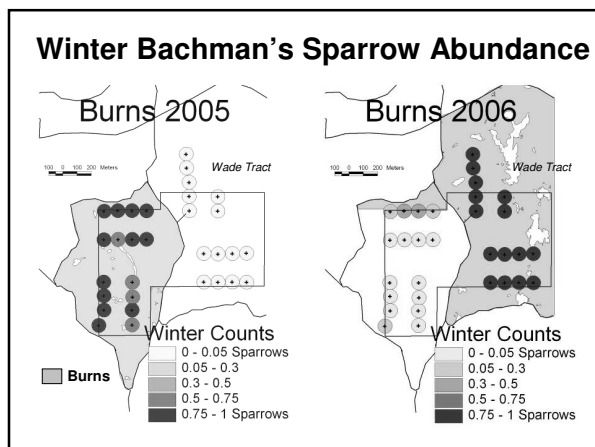
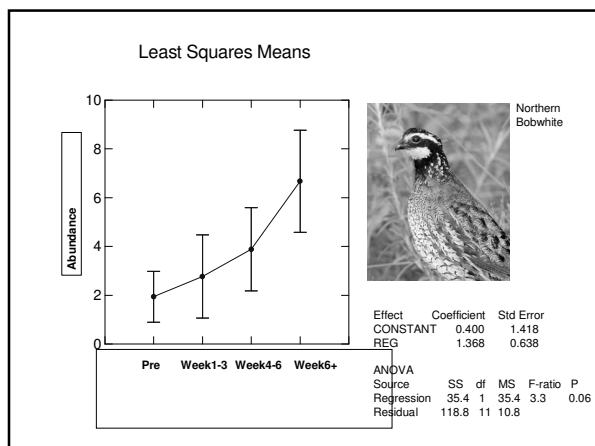
M. Korosy - UCF dissertation

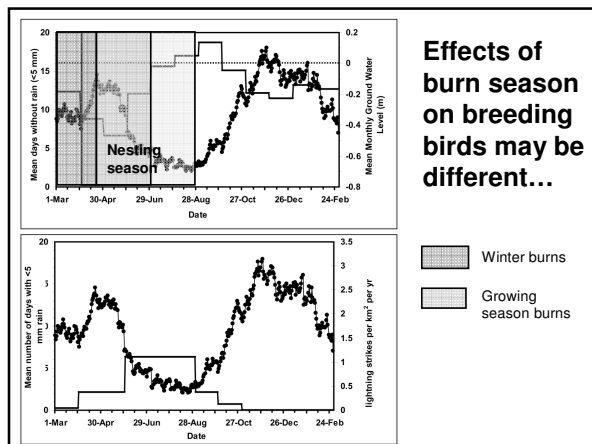


Frequency:
<3 year return intervals best meet needs of declining pine-grassland birds

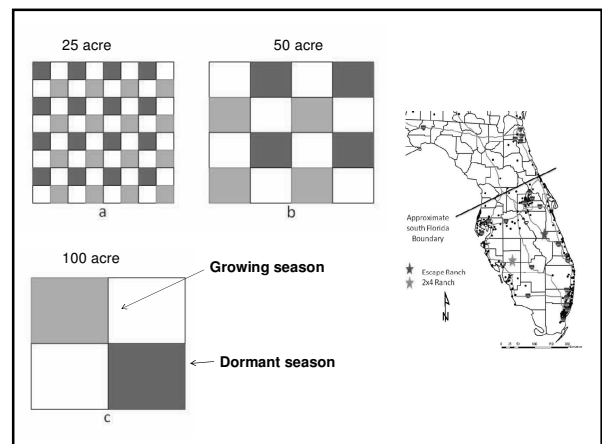
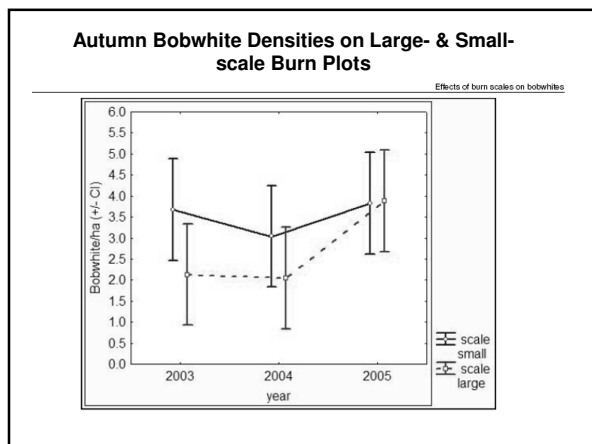
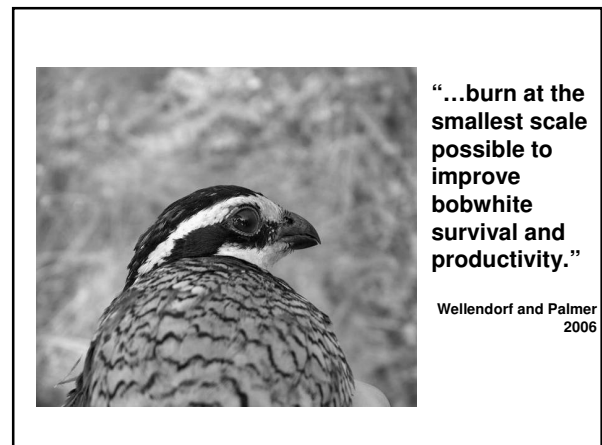
Frequency Season Scale

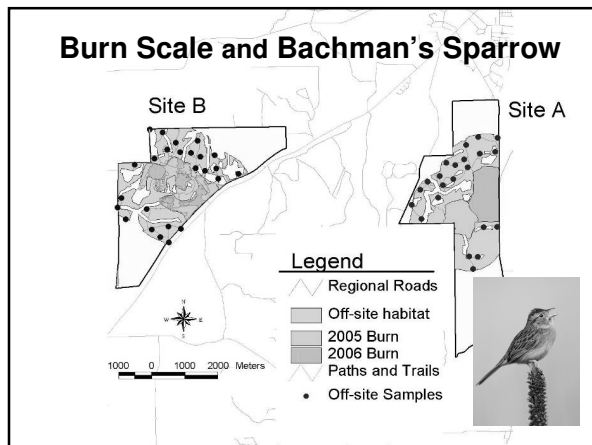
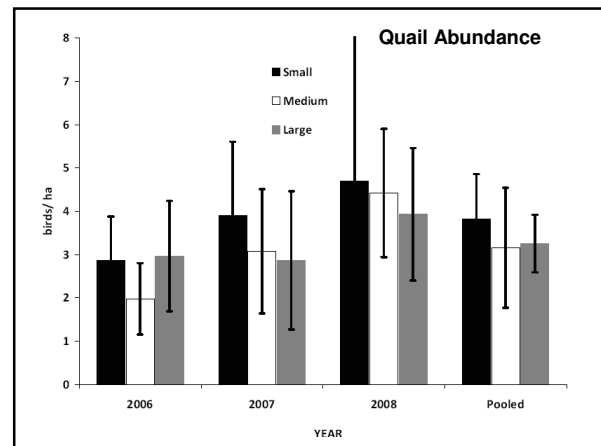
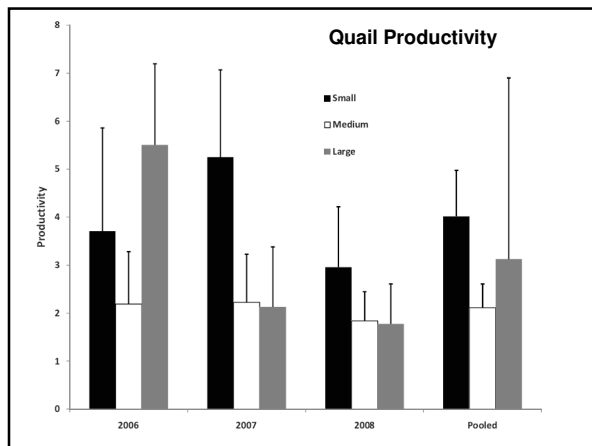






**Frequency
Season
Scale**





Summary

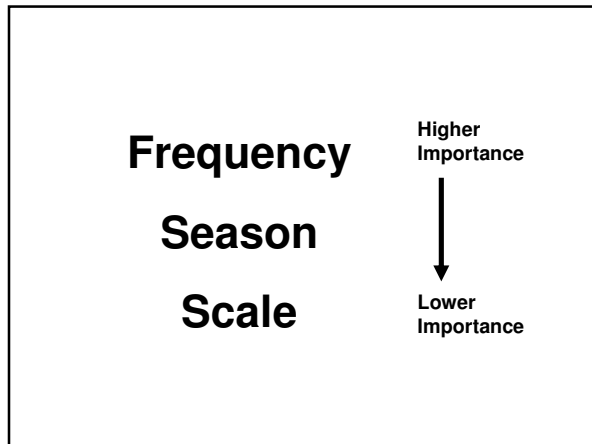
Male home range size	Larger on small-scale
Male site fidelity	Lower on small-scale
Maximum displacement	Greater on small-scale
Monthly survival rates	No difference
Male densities	Lower on small-scale

Tendency
Statistically significant

“Because of concerns about potential scale effects, it took us 5 days to burn the acreage we’d normally burn in a day.....”

Chuck Hess, ANF

Frequency
Season
Scale



A screenshot of the Tall Timbers Stewards of Wildlife & Wildlands website. The header includes the organization's name and logo, a search bar, and navigation links for Fire Research, Land Management, and Quail Research. The main content area is titled "Monitoring Nuthatches and Bachman's Sparrows" and includes a detailed description of the monitoring program, survey materials, and survey procedures. A sidebar on the left lists various topics and a "DONATE" button is visible at the bottom.

