

Bringing Back The Whistle: Quail Management on Private Lands

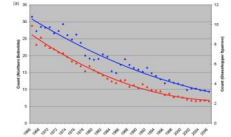
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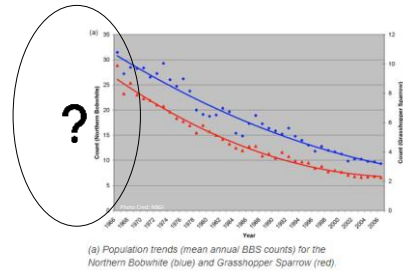
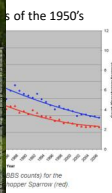
History of Quail in NC and the Southeast "The Glory Days"



• The Glory Days of the 1950's



History "Th



High Production Farming



Through the 70's & 80's



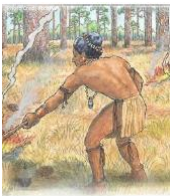
First ¼ of the 21st Century



Farm Maintenance and Production Improvements

- Addition of Agricultural Land from Marginal Habitat
- New "Neat and Tidy"
- Neighbor Comparison
- Efficiency of Herbicide

Pre- "Glory Days" Forestry



- Native American Culture
 - Burning
 - Hunting
 - Farming





Figure 1. Overstocked naturally regenerated loblolly pine stand with more than 2000 stems to the acre. Photo Credit: Tom Brant, Clemson Extension



Increased Timber Production

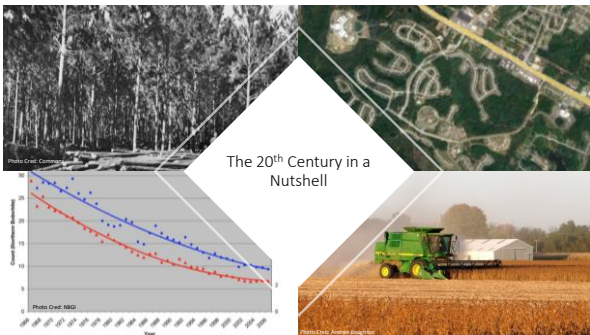
Change to Historical Management



Was it needed?? ---- Yes



Unintended Wildlife Consequences??

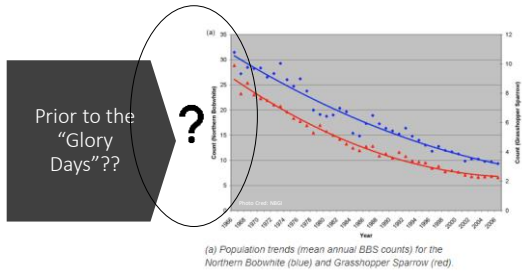


So now what?

- Find a way to get back to low efficacy farming?
- Revert back to low timber production?

NO

- The changes to agricultural and timber production occurred for good reason.
- Fighting to return to 1930's Ag and timber production is unreasonable.



How Do We Manage for Quail?

Forestry

- Silver Bullet: Thin & Burn
- Sunlight & Bare Mineral Soil



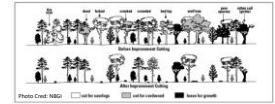
Silver Bullet: Not so Simple

Thinning – Making it Work for Landowners and Wildlife



Silver Bullet: Not so Simple

Thinning – Making it Work for Landowners and Wildlife



Silver Bullet: Not so Simple | Burning

Silver Bullet: Not so Simple


- Burning: Variable Outcomes
- Timing



Silver Bullet: Not so Simple

Burning: Variable Outcomes

- Timing
- Burn Interval



structural characteristics of a southern pine forest from intervals of prescribed burning: (A) control-no burn, (B) burn on a three-year interval, (C) prescribed burn on a one-year interval, and (D) prescribed burn on a one-year interval.

Photo Credit: T&E Extension



Figure 14. Backing fires are lit on the downwind of the stand and burn very slowly.

Figure 15. Strip head fires are set at varying distances apart depending on burning conditions and the desired flame intensity.

Figure 16. Intense ring fires with fast-moving flames leave no escape pathway for wildlife.

Silver Bullet: Not so Simple

Burning: Variable Outcomes

- Timing
- Burn Interval
- Intensity




Timber Stand Improvement

Mechanical



Timber Stand Improvement

Mechanical



Timber Stand Improvement

Chemical



Timber Restoration

- Improvements in Timber Genetics and Timber Products

- Revert back to low timber production?
- Find a way to get back to low efficacy farming??

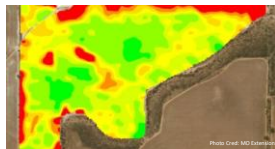
So now what?

NO

- Use improvements in Forestry to create needed wildlife habitat



Using Hi-Tech Ag to Favor Wildlife



Converting areas of Negative input into Suitable habitat



Changing Perspective

- Demonstrate what good habitat is
- Positive feedback loop



- Revert back to low timber production?
- Find a way to get back to low efficacy farming??

So now what?

NO

- Use improvements in Forestry to create needed wildlife habitat
- Use improvements in Agriculture to create needed wildlife habitat

Who Pays?



Illustrations of.com #1238973





Cost-Share Opportunities



Contacts > Programs

Technical Assistance available for EVERYONE

Technical Assistance

- Develop FMP
- Start the process on appropriate Cost-Share
- Know local contractors to get work done
- A resource for information on land management
- Monitoring

Next Steps-Landowners

- Ask, Ask, Ask
- Develop a Management Plan
- Stay in contact through the process
- Seek cost-share opportunities as they are available and WHEN THEY ALIGN WITH YOUR OBJECTIVE

Next Steps-Resource Professionals

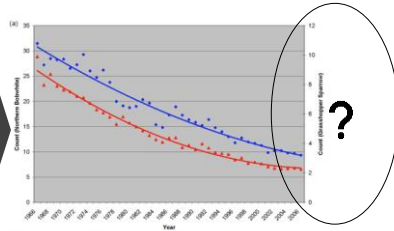
Have other resources available to landowners

- May help better meet their objective

Establish relationships with other Federal, State, or NGO land management-based agencies

- These are the folks working to improve habitat with private landowners in your area.

What
Happens in
the Next ¼
Century



Questions/Discussion?

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