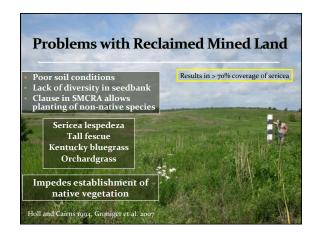




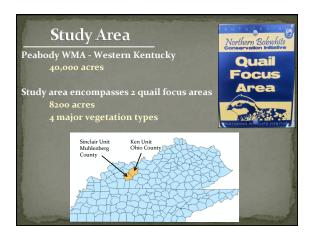
| | Role of Reclaimed Mined Land? |
|------|--|
| SM | CRA 1977 |
| - | Bond release process |
| | Regrade land |
| | Establish vegetation |
| Lar | ge contiguous tracts of land in early succession |
| > 30 | 00,000 acres in Kentucky (Phase III release) |
| Are | reclaimed mined lands quail habitat? |

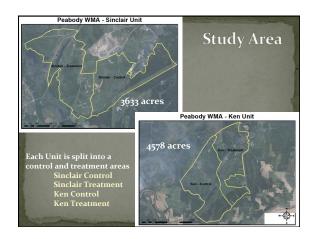






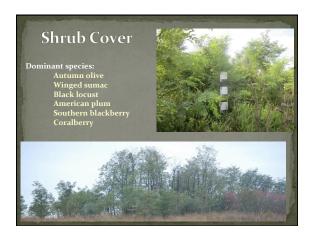
Objectives 1. Identify the factors influencing bobwhite habitat selection at multiple scales during the breeding and non-breeding season 2. Identify the factors influencing bobwhite nest-site selection 3. Evaluate the influence of habitat manipulations on habitat and nest-site selection.



















| Methods – Vege | etation Sampling | | | | | | |
|---|-----------------------------|--|--|--|--|--|--|
| Bird-centered vegetation sampling | | | | | | | |
| Random sample of birds use nonbreeding) | d each season (breeding vs. | | | | | | |
| 10 birds per area (breeding) n=40 | | | | | | | |
| 5 coveys per area (non-breed | | | | | | | |
| 1 telemetry location per bird All nest sites | covey per week | | | | | | |
| Use vs. availability | 7 | | | | | | |

| Metho | ods – | Veg | etat | ion Sampling |
|----------------------------|----------|------------------|---------|-----------------|
| | Breeding | Non- breeding | Nesting | THE AND |
| Vegetation type | Х | X | X | No de Jacobillo |
| Species composition | X | 5280 | X | |
| Ground sight distance | Х | 125/19 | | |
| Litter depth | X | X | X | |
| Visual obstruction | X | X | X | A CONTRACTOR |
| Woody stem density | X | X | X | |
| Basal area | 10000 | X | | |
| Nesting substrate | 7000 | | X | |
| Distance to edge | X | 333 | X | |
| Distance to treatment | | | X | |
| Distance to woody cover | | X | Si Si | - and |

