

## 2008 Project References

### Published Research

- Hopkins, R.L., M.D. Burns, B. Burr, and L.J. Hopman. 2008. Building a centralized database for Kentucky **fishes**: Progress and future applications. *Journal of the Kentucky Academy of Science* 69 (2): 164-169.
- Larkin, J.L., D.S. Maehr, J.J. Krupa, J.J. Cox, K. Alexy, D.E. Unger, and C. Barton. 2008. **Small mammal** response to vegetation and spoil conditions on a reclaimed surface mine in eastern Kentucky. *Southeastern Naturalist* 7(3):401-112.
- Lynch, W.L., and C.N. Moreira. 2008. Nest arrival vocalizations of the **Turkey Vulture** *Cathartes aura* (Cathartidae: Falconiformes). *Vulture News* 59:3-6.
- Vukovich, M. and G. Ritchison. 2008. Foraging behavior of **Short-Eared Owls** and **Northern Harriers** on a reclaimed surface mine in Kentucky. *Southeastern Naturalist* 1(1):1-10.

### Big Game (Elk and Deer)

- Assessment of Reproductive Output for White Tailed Deer in Kentucky **Volume I.....26**
- Chronic Wasting Disease Surveillance in Kentucky **Volume I.....27**
- Using FLIR (Forward-Looking Infrared Radiography) To Estimate Elk Density and Distribution in Eastern Kentucky **Volume I.....10**  
**Volume II.....9**
- Meningeal Worm (*Parelaphostrongylus tenuis*) Infection Rate and Effects on Survival of Reintroduced **Elk** (*Cervus elaphus nelsonii*) in Kentucky **Volume I.....22**
- Hunters' use of the Kentucky Department of Fish and Wildlife Resources' Telecheck System **Volume II.....7**
- Maternal Antibody Transfer and Meningeal Worm Infection in Kentucky Elk **Volume II.....13**
- Genetic Characteristics of Restored Elk Populations in Kentucky **Volume II.....62**

### Small Game (Quail, Squirrels, Rabbits)

- A New Approach to Mast Surveys in Kentucky **Volume I.....35**
- Monitoring Efforts for Northern Bobwhite Populations in Kentucky **Volume I.....36**
- Assessment of Habitat Value for Recovering Disturbed Warm-Season Grass Using Multi-Cover Habitat Assessment Model for the Northern Bobwhite **Volume II.....25**

## **Turkey**

Wild Turkey Reproduction in Kentucky **Volume I.....38**

## **Furbearers**

Distribution, Population Status and Habitat Characteristics of the River Otter  
(*Lontra canadensis*) in Kentucky **Volume I.....18**

Geographic Distribution and Prevalence of *Cytauxzoon felis* in Wild Felids **Volume II.....63**

## **Bear**

Colonization of the Black Bear in Eastern Kentucky: Conflict and Tolerance Between  
People and Wildlife **Volume I.....13**

Black Bear Resource Selection, Demographics, and Movement Patterns in Kentucky **Volume I.....11**  
**Volume II.....60**

Estimating Black Bear Populations in Kentucky **Volume I.....21**  
**Volume II.....17**

Genetic Diversity, Structuring, and Recolonization Patterns of Black Bears in Eastern  
Kentucky **Volume II.....61**

## **Birds**

### **Songbirds and Raptors**

Ecological and Behavioral Interactions Between Golden-Winged and Blue-Winged  
Warblers in Eastern Kentucky **Volume I.....20**

Assessing Avian use of land enrolled in Conservation Practice 33 (CP33),  
Conservation Reserve Program **Volume I.....42**  
**Volume II.....70**

Assessing Raptor Populations of Peabody Wildlife Management Area and  
Throughout Kentucky **Volume I.....43**

Cooperative Cerulean Warbler Forest Management Project **Volume I.....44**

Monitoring Priority Songbird Populations **Volume I.....45**

Population Status and Reproductive Success of the Bald Eagle in Kentucky **Volume I.....46**

Population Status and Reproductive Success of the Peregrine Falcon in Kentucky	<b>Volume I.....47</b>
Vocalizations of adult Turkey Vultures as they Arrive at Nest Sites during the Nesting Season	<b>Volume I.....48</b>
The Common Raven in Cliff Habitat: Detectability and Occupancy	<b>Volume II.....54</b>
An Evaluation Tool for Avian Monitoring Programs	<b>Volume II.....55</b>
Estimating Abundance of Species of Concern in the Central Hardwoods Region	<b>Volume II.....56</b>
Golden-Winged Warbler Monitoring	<b>Volume II.....58</b>
Grassland Songbird Survey	<b>Volume II.....59</b>
 <b>Migratory Shorebirds and Colonial Nesting Waterbirds</b>	
Avian Influenza Monitoring throughout Kentucky	<b>Volume I.....28</b> <b>Volume II.....71</b>
Migratory Shorebirds, Colonial Water Bird, and Woodcock Investigations	<b>Volume I.....29</b> <b>Volume II.....72</b>
Monitoring and Management of Kentucky's Waterfowl	<b>Volume I.....30</b> <b>Volume II..... 73</b>
Monitoring Giant Canada Goose Populations in Kentucky	<b>Volume I.....31</b> <b>Volume II.....74.</b>
Mourning Dove Banding in Kentucky	<b>Volume I.....32</b>
Nest Surveys for the Interior Least Tern in Kentucky	<b>Volume I.....33</b>
Proactive Wood Duck Management in Kentucky	<b>Volume I.....34</b>
Reproductive Success of Interior Least Terns in Western Kentucky	<b>Volume II.....53</b>
 <b>Bats</b>	
Determination of Bat Species Within Interior Forested Areas Using Anabat II Systems and Mist-Netting in Daniel Boone National Forest	<b>Volume I.....15</b>
Cave Protection and Monitoring of Federally Listed Bat Species in Kentucky	<b>Volume I.....40</b>
Identifying and Protecting Hibernation Roosts for Endangered Bats in Kentucky	<b>Volume I.....41</b>

	<b>Volume II.....37</b>
Effects of Orientation and Weatherproofing on the Detection of Echolocation Calls in the Eastern United States.	<b>Volume II.....34</b>

### **Reptiles and Amphibians**

Life History and Population Assessment of the Western Cottonmouth in Western Kentucky	<b>Volume II.....50</b>
Status Assessment and Conservation of the Eastern Hellbender	<b>Volume II.....51</b>
Inventory, Monitoring, and Management of Amphibians and Reptiles in Kentucky	<b>Volume I.....39</b> <b>Volume II.....52</b>

### **Mollusks**

Development of a Bivalve Diet for Use in Early Stage Juvenile Freshwater Mussel Culture	<b>Volume I.....17</b>
Development of In Vitro (artificial) Laboratory Culture Methods for Rearing Juvenile Freshwater Mussels	<b>Volume I.....49</b>
Endangered Species Recovery in Kentucky: Restoring the Freshwater Mussel via Population Augmentation	<b>Volume I.....50</b>
Evaluating the Present Status of Mussel Resources in Kentucky: Quantitative and Qualitative Survey and Monitoring Efforts	<b>Volume I.....51</b>
Advances in the Propagation of Rare and Endangered Mussel Species	<b>Volume II.....46</b>
Successful Reintroduction of Two Endangered and Two Candidate Mussel Species to the Big South Fork Cumberland River, Kentucky	<b>Volume II.....47</b>
Successful Augmentation of the Fatmucket, <i>Lampsilis siliquoidea</i> , in the Elkhorn Creek, Kentucky	<b>Volume II.....48</b>
Freshwater Mollusk Monitoring in the South Fork Kentucky River System	<b>Volume II.....49</b>

### **Fishes**

Palezone Shiner Status Survey and Habitat Delineation	<b>Volume I.....24</b>
A Survey of Fishes in Terrapin Creek, Kentucky	<b>Volume I.....56</b>

Conservation Status and Habitat of the Longhead Darter in Kinniconick Creek, Lewis County Kentucky	<b>Volume I.....57</b> <b>Volume II.....69</b>
Databasing and Geo-Referencing Fish Collection for Kentucky	<b>Volume I.....58</b>
Distribution, Habitat, and Conservation Status of Ichthyofaunal Species of Greatest Conservation Need	<b>Volume I.....59</b>
Evaluation of a 12.0-in Minimum Size Limit on Channel Catfish in Kentucky's Small Impoundments	<b>Volume I.....60</b>
Evaluation of a 15-20 Inch Protective Slot Limit and 5 Fish Creel Limit on Rainbow Trout in the Lake Cumberland Tailwater	<b>Volume I.....61</b>
Evaluation of a 40-Inch Muskellunge Minimum Length Limit at Buckhorn Lake	<b>Volume I.....62</b>
Evaluation of Kentucky's Largemouth Bass Stocking Initiative	<b>Volume I.....63</b>
Evaluation of the Growth of Two Different Stocking Sizes of Blue Catfish Stocked into Three North Central Kentucky Small Impoundments	<b>Volume I.....64</b>
Evaluation of Trophy Brown Trout Regulations and Stocking Strategies in the Lake Cumberland Tailwater	<b>Volume I.....65</b>
Evaluation of White Bass Stocking to Enhance Existing Reservoir Populations	<b>Volume I.....66</b>
Impacts of Spawning Habitat Manipulations on Largemouth Bass Year-Class Production in Meldahl Pool, Ohio River	<b>Volume I.....67</b>
Investigation of the Restoration of Native Walleye in the Upper Barren River	<b>Volume I.....68</b>
Investigation of the Walleye Population in the Rockcastle River and Evaluation Of Supplemental Stocking of Native Strain Walleye	<b>Volume I.....69</b>
Lake Sturgeon Restoration in the Upper Cumberland River System	<b>Volume I.....70</b>
Life History and Population Status of the Blacktail Redhorse in Terrapin Creek, Graves County, Kentucky	<b>Volume I.....71</b>
Monitoring and Management of Ohio River Sport Fisheries	<b>Volume I.....72</b>
Monitoring Trends in Black Bass Fisheries	<b>Volume I.....73</b>
Ohio River Largemouth Bass Supplemental Stocking Study	<b>Volume I.....74</b>
Preliminary Assessment of a Newly Established Blue Catfish Population in	

Taylorsville Lake	<b>Volume I.....75</b>
Preliminary Assessment of Bluegill and Redear Sunfish Populations in Small Impoundments	<b>Volume I.....76</b>
Relationships Between Primary Productivity and creation of a Trophy Largemouth Bass Fishery: Monitoring and Management of Cedar Creek Lake	<b>Volume I.....77</b>
Taxonomic Resolution, Life History, and Conservation Status of the Undescribed “Sawfin” Shiner and Kentucky Arrow Darter	<b>Volume I.....78</b>
The Use of Flathead Catfish to Reduce Stunted Fish Populations in a Small Kentucky ImpoundmentUrban Fishing Program in Kentucky	<b>Volume I.....79</b>
Using GIS-based Technology for Aquatic Conservation in the Upper Green River Drainage, Kentucky	<b>Volume I.....80</b>
Life History and Population Characteristics of <i>Moxostoma poecilurum</i> , the Blacktail Redhorse, in Terrapin Creek, Graves County, Kentucky	<b>Volume II.....27</b>
Analysis of the Environmental Requirements for <i>Etheostoma cinereum</i> and <i>Percina squamata</i> in the Rockcastle River	<b>Volume II.....41</b>
Captive Propagation and Reintroduction of the Cumberland Darter and Kentucky Arrow Darter in Southeastern Kentucky	<b>Volume II.....42</b>
A Survey of Fishes of Rock Creek, Kentucky, with Emphasis on the Impact of Stocking Rainbow Trout on Native Fishes	<b>Volume II.....43</b>
Status, Life History, and Phylogenetics of the Amblyopsid Cavefishes in Kentucky	<b>Volume II.....44</b>
Status survey of the Northern Madtom, <i>Noturus stigmosus</i> , in the Lower Ohio River	<b>Volume II.....45</b>
<b>Habitat Restoration</b>	
An Investigation of Herbicide Treatments to Eradicate Autumn Olive on Taylorsville Lake Wildlife Management Area	<b>Volume I.....52</b>
Sericea Lespedeza Control on Peabody Wildlife Management Area	<b>Volume I.....53</b>
Use of Rodeo Herbicide to Control <i>Phragmites australis</i> on Peabody Wildlife Management Area	<b>Volume I.....54</b>
Using Varying Frequencies of Prescribed Fire in Combination With Herbicide Applications to control Sericea Lespedeza on Peabody Wildlife Management Area	<b>Volume I.....55</b>

Direct Seeding of Shrubs/Brambles on Reclaimed Mine Ground on Peabody Wildlife Management Area	<b>Volume I.....82</b> <b>Volume II.....78</b>
Evaluation of Warm Season Grass Thinning Treatments on Green River Wildlife Management Area: Spring Disking, Glyphosate, and Select Herbicides	<b>Volume I.....83</b>
Grassland Management and Restoration in Kentucky	<b>Volume I.....84</b>
Impacts of Herbicide Application Following a Late Summer Burn, KDFWR Headquarters	<b>Volume I.....85</b> <b>Volume II.....77</b>
Maximizing Wildlife Habitat and Cattle Production on T.N. Sullivan Wildlife Management Area	<b>Volume I.....86</b>
Mill Branch Stream Restoration Project, Knox County, Kentucky	<b>Volume I.....87</b>
Native Warm Season Grass Suppression Treatments in Harrison County	<b>Volume I.....88</b>
Quail Unlimited Warm Season Grass Test Plot Project on Kentucky River Wildlife Management Area	<b>Volume I.....89</b>
Shorebird Management Unit Creation and Invasive Willow Control	<b>Volume I.....90</b>
Use of Temporary Electric Fencing to Eliminate Deer damage to Sunflower Plantings on the Blue Grass Army Depot	<b>Volume I.....91</b>
Bottomland Hardwood and Riparian Restoration in Obion Creek/Bayou de Chien Watersheds	<b>Volume II.....64</b>
Restoration of Bur Oak on the Clay Wildlife Management Area by Means of Direct Seeding	<b>Volume II.....65</b>
Natural Grassland Survey of the Original Barrens-Prairie Region of Kentucky	<b>Volume II.....67</b>