

Appendix A

Plot data from Buzzard Roost Project Area, June 1998.

Deuchars area, Oriole Trail- east loop

from 2-arrow tree, keep right; 500', then every 1000'

The survey used a point count survey route beginning at the point where the trail forks along the Perry/Crawford County line about 3/4 mile west of Deuchars, Monitoring sites were established at approximately 1,000-foot intervals heading counter-clockwise around the loop of the trail, the first being 500 feet from the fork. In total, there are 22 monitoring points around the loop.

Each point was visited twice during the breeding season (June 21 and June 27). Each species heard or seen and their numbers were recorded for each site.

<i>Plot #, habitat type, species</i>	<i>21 June 1998</i>	<i>27 June 1998</i>
#1. Pine plantation - 9 spp.	5 spp.; 6 individuals	7 spp.; 13 individuals
Red-eyed Vireo	1	3
Northern Parula	1	1
Acadian Flycatcher	2	
Pine Warbler	1	
Ovenbird	1	2
Indigo Bunting		3
American Crow		2
Prairie Warbler		1
Tufted Titmouse		1
#2. dry-mesic upland forest: Quercus alba, Q. velutina, Carya ovata - 12 spp.	5 spp.; 7 individuals	10 spp.; 13 individuals
Red-eyed Vireo	2	2
Tufted Titmouse	1	1
Acadian Flycatcher	2	2
American Robin	1	
Ovenbird	1	
White-breasted Nuthatch		1
Worm-eating Warbler		2
Hooded Warbler		1
Blue-gray Gnatcatcher		1
American Crow		1
Mourning Dove		1
Hairy Woodpecker		1

Plot #, habitat type, species 21 June 1998

27 June 1998

#3. pine plantation, pond - 12 spp.

	21 June 1998	27 June 1998
	6 spp.; 6 individuals	8 spp.; 11 individuals
Eastern Towhee	1	1
Common Yellowthroat	1	
Indigo Bunting	1	2
Yellow-billed Cuckoo	1	
Tufted Titmouse	1	
Worm-eating Warbler	1	
Hooded Warbler		1
Pine Warbler		1
American Crow		2
Blue-winged Warbler		1
American Robin		1
Blue-gray Gnatcatcher		2

#4. pine plantation; 30-yr. oldfield, Juniperus; dry-mesic upland forest: Q. alba - 13 spp.

	21 June 1998	27 June 1998
	5 spp.; 6 individuals	10 spp.; 14 individuals
Indigo Bunting	1	
Red-eyed Vireo	1	2
Ovenbird	2	1
Worm-eating Warbler	1	
Eastern Towhee	1	
Tufted Titmouse		2
American Crow		2
Pine Warbler		1
Yellow-billed Cuckoo		2
Carolina Wren		1
Northern Parula		1
Scarlet Tanager		1
Kentucky Warbler		1

#5. dry-mesic upland forest: Q. alba; intermittent stream - 14 spp.

	21 June 1998	27 June 1998
	6 spp.; 8 individuals	10 spp.; 16 individuals
Red-shouldered Hawk	1	
Ovenbird	1	
Red-eyed Vireo	2	
Acadian Flycatcher	2	3
Downy Woodpecker	1	
Kentucky Warbler	1	1
White-breasted Nuthatch		3
Tufted Titmouse		3
Yellow-billed Cuckoo		1
Eastern Wood-Pewee		1
Brown-headed Cowbird		1
Scarlet Tanager		1
Carolina Wren		1
Blue-gray Gnatcatcher		1

Plot #, habitat type, species 21 June 1998

27 June 1998

#8. dry-mesic upland forest: Q. alba, Juniperus - 13 spp.

	4 spp.; 5 individuals	11 spp.; 14 individuals
Red-eyed Vireo	2	3
Carolina Chickadee	1	
Carolina Wren	1	1
Ovenbird	1	
Brown-headed Cowbird		1
Tufted Titmouse		1
American Crow		2
Eastern Wood-Pewee		1
Red-bellied Woodpecker		1
Pileated Woodpecker		1
Yellow-billed Cuckoo		1
Acadian Flycatcher		1
White-eyed Vireo		1

#9. dry-mesic/dry upland forest: Q. alba, Q. stellata - 7 spp.

	4 spp.; 5 individuals	5 spp.; 9 individuals
Red-eyed Vireo	2	2
Yellow-throated Vireo	1	
Tufted Titmouse	1	2
Northern Cardinal	1	
Indigo Bunting		2
Pileated Woodpecker		1
American Crow		2

#10. dry-mesic upland forest/30-yr. oldfield: Liriodendron, Juniperus, Q. alba, A. saccharum - 7 spp.

	2 spp.; 2 individuals	5 spp.; 10 individuals
American Robin	1	
Field Sparrow	1	
Indigo Bunting		3
Tufted Titmouse		2
Red-eyed Vireo		3
Northern Cardinal		1
Scarlet Tanager		1

#11. 30-yr. oldfield: Juniperus, Rhus copalinum - 9 spp.

	7 spp.; 10 individuals	5 spp.; 5 individuals
Northern Cardinal	4	1
Yellow-billed Cuckoo	1	
Indigo Bunting	1	1
Red-eyed Vireo	1	1
Tufted Titmouse	1	
Ovenbird	1	
Ruby-throated Hummingbird	1	
Red-shouldered Hawk		1
Scarlet Tanager		1

<i>Plot #, habitat type, species</i>	<i>21 June 1998</i>	<i>27 June 1998</i>
#12. pine plantation; mesic upland forest: <i>Q. rubra</i> , <i>A. saccharum</i> - 5 spp.		
	2 spp.; 7 individuals	4 spp.; 4 individuals
Scarlet Tanager	5	1
Tufted Titmouse	1	
Ovenbird		1
Red-eyed Vireo		1
American Crow		1
#13. pine plantation; mesic upland forest: <i>Q. rubra</i> , <i>Q. alba</i> , <i>Liriodendron</i> - 9 spp.		
	6 spp.; 11 individuals	6 spp.; 11 individuals
Ovenbird	2	2
Tufted Titmouse	2	
Indigo Bunting	2	
Acadian Flycatcher	2	2
Scarlet Tanager	2	2
Carolina Chickadee	1	
Red-eyed Vireo		3
Northern Cardinal		1
Worm-eating Warbler		1
#14. pine plantation; native oldfield (pvt.) - 8 spp.		
	1 spp.; 2 individuals	7 spp.; 10 individuals
Red-eyed Vireo	2	
Indigo Bunting		2
Prairie Warbler		1
Mourning Dove		1
Eastern Bluebird		1
American Crow		2
Eastern Towhee		1
Cedar Waxwing		2
#15. native oldfield: <i>Rhus copalinum</i> , <i>Sorghastrum nutans</i> ; pond; pine plantation - 8 spp.		
	6 spp.; 10 individuals	4 spp.; 5 individuals
Common Yellowthroat	1	
Northern Cardinal	2	
Indigo Bunting	4	2
Red-eyed Vireo	1	1
White-eyed Vireo	1	
Ovenbird	1	
Blue-gray Gnatcatcher		1
White-breasted Nuthatch		1

<i>Plot #, habitat type, species</i>	<i>21 June 1998</i>	<i>27 June 1998</i>
#16. pine plantation - 8 spp.	6 spp.; 8 individuals	4 spp.; 5 individuals
Worm-eating Warbler	1	
Scarlet Tanager	2	2
Red-eyed Vireo	1	
Tufted Titmouse	1	
Acadian Flycatcher	1	1
American Redstart		2
Indigo Bunting		1
Pileated Woodpecker		1
#17. 25-yr. oldfield: Juniperus, S. nutans - 9 spp.	6 spp.; 8 individuals	5 spp.; 7 individuals
Great Crested Flycatcher	2	
Indigo Bunting	2	2
Ovenbird	1	1
White-breasted Nuthatch	1	
Red-eyed Vireo	1	
Yellow-billed Cuckoo	1	
Prairie Warbler		1
Carolina Chickadee		2
Northern Cardinal		1
#18. dry/dry-mesic upland forest: Q. alba, Q. muhlenbergii, Fraxinus, Ostrya - 5 spp.	4 spp.; 7 individuals	3 spp.; 5 individuals
Red-eyed Vireo	3	3
Acadian Flycatcher	1	1
Great Crested Flycatcher	2	
Scarlet Tanager	1	
Ovenbird		1
#19. dry upland forest: Q. stellata; oldfield, Juniperus; pine plantation - 10 spp.	6 spp.; 10 individuals	8 spp.; 11 individuals
Prairie Warbler	1	1
Red-eyed Vireo	1	
Indigo Bunting	4	2
Northern Cardinal	2	1
Tufted Titmouse	1	2
Carolina Wren	1	
American Goldfinch		1
Eastern Towhee		1
Pine Warbler		2
Purple Martin		1

<i>Plot #, habitat type, species</i>	<i>21 June 1998</i>	<i>27 June 1998</i>
#20. dry upland forest: <i>Q. stellata</i> , <i>Juniperus</i> - 11 spp.	9 spp.; 11 individuals	5 spp.; 6 individuals
Scarlet Tanager	1	
Tufted Titmouse	1	
Acadian Flycatcher	1	
Blue-gray Gnatcatcher	2	1
Hooded Warbler	1	
White-breasted Nuthatch	1	
Indigo Bunting	1	1
Ovenbird	2	
Blue Jay	1	2
Worm-eating Warbler		1
Wood Thrush		1
#21. dry-mesic upland forest: <i>Q. alba</i> , <i>Carya</i> , <i>Q. velutina</i> ; pine plantation - 10 spp.	8 spp.; 11 individuals	4 spp.; 8 individuals
White-breasted Nuthatch	1	
Ovenbird	1	1
Pileated Woodpecker	1	
Worm-eating Warbler	1	
Red-eyed Vireo	3	4
Acadian Flycatcher	2	
Downy Woodpecker	1	
American Crow	1	
Tufted Titmouse		2
Eastern Wood-Pewee		1
#22. dry-mesic upland forest: <i>Q. alba</i> , <i>Carya</i> , <i>Q. velutina</i> , <i>A. saccharum</i> - 6 spp.	5 spp.; 9 individuals	4 spp.; 4 individuals
Worm-eating Warbler	1	
Red-eyed Vireo	3	1
Indigo Bunting	2	1
Hooded Warbler	2	1
Yellow-billed Cuckoo	1	
Acadian Flycatcher		1

21 June 1998 - mid morning after heavy rain, overcast: 33 spp.; 5.3 spp./plot; 7.5 individuals/plot

27 June 1998 - early morning, warm, humid, sunny: 37 spp.; 6.9 spp./plot; 9.5 individuals/plot

Number of points at which each species was recorded (of 22 points) and total individuals

	21 June	27 June	Total
Red-shouldered Hawk	1, 1	1, 1	2, 2
Mourning Dove		2, 2	2, 2
Yellow-billed Cuckoo	5, 5	4, 5	8, 10
Ruby-throated Hummingbird	1, 1		1, 1
Red-bellied Woodpecker		1, 1	1, 1
Downy Woodpecker	2, 2	1, 1	3, 3
Hairy Woodpecker		1, 1	1, 1
Pileated Woodpecker	1, 1	4, 4	5, 5
Eastern Wood-Pewee	1, 1	4, 4	4, 5
Acadian Flycatcher	8, 13	8, 12	11, 25
Great Crested Flycatcher	2, 2		2, 2
White-eyed Vireo	1, 1	1, 1	2, 2
Yellow-throated Vireo	1, 1		1, 1
Red-eyed Vireo	17, 30	14, 32	20, 62
Blue Jay	1, 1	2, 3	2, 4
American Crow	1, 1	10, 19	11, 20
Purple Martin		1, 1	1, 1
Carolina Chickadee	3, 3	2, 3	5, 6
Tufted Titmouse	10, 11	10, 17	17, 28
White-breasted Nuthatch	3, 3	3, 5	6, 8
Carolina Wren	3, 3	5, 7	6, 10
Blue-gray Gnatcatcher	1, 2	5, 6	5, 8
Eastern Bluebird		1, 1	1, 1
Wood Thrush		1, 1	1, 1
American Robin	2, 2	1, 1	3, 3
Cedar Waxwing		2, 2	2, 2
Blue-winged Warbler		1, 1	1, 1
Northern Parula	3, 3	2, 2	4, 5
Pine Warbler	1, 1	3, 4	4, 5
Prairie Warbler	1, 1	4, 4	4, 5
American Redstart	1, 2		1, 2
Worm-eating Warbler	5, 5	4, 5	9, 10
Ovenbird	12, 15	8, 10	15, 25
Kentucky Warbler	2, 2	2, 2	3, 4
Common Yellowthroat	2, 2		2, 2
Hooded Warbler	2, 3	3, 3	4, 6
Scarlet Tanager	6, 12	9, 12	11, 24
Eastern Towhee	2, 2	4, 4	5, 6
Field Sparrow	1, 1		1, 1
Northern Cardinal	5, 10	6, 6	8, 16
Indigo Bunting	10, 19	13, 23	16, 42
Brown-headed Cowbird		3, 3	3, 3
American Goldfinch		1, 1	1, 1

Also observed during 15 May to 30 June nesting season: Barred Owl, Whip-poor-will

**Jeffries Cemetery/headwaters Mill Creek
Amphibians and Reptiles**

0730 to 1130 on 5 July 1998

pond near center of T4S, R1W, Sec.11

green frog	9
northern cricket frog	2

along creek in T4S, R1W, Sec. 11 and 14

green frog	11
long-tailed salamander	2
northern cricket frog	4
southern leopard frog	2

dozens of tadpoles (chorus frogs or peepers) in ruts along trail