

AVIAN INVESTIGATION OF WARDS GROVE NATURE PRESERVE  
WITH EMPHASIS ON AREA SENSITIVE SPECIES

by: COLLEEN STIEFEL

WEEK 1;

May 29, 1989; 0530-0900; Plot C; Cloudy, light & variable winds; temp. 55-65 degrees.

May 30, 1989; 0530-0845; Plot A; Light & variable winds, humid & sticky; temp. 70-80 degrees; to windy to bird Plot B as winds became stronger, later that morning.

June 2, 1989; 0515-0830; Plot B; Cloudy, then cleared up. NW winds @ 5-7 m.p.h.

WEEK 2;

June 7, 1989; 0500-0830; Plot B; Light & variable winds, sunny, cool; temp. 55-60 degrees.

June 10, 1989; 0500-1030; Plots A & C; Light east winds. temp. 55 degrees.

WEEK 3;

June 15, 1989; 0510-1030; Plots C & B; NW winds @ 5-7 m.p.h. overcast & cold. 48 degrees.

June 16, 1989; 0515-1030; Plot B finished, and Plot A done. Light NW winds, partly cloudy, turned sunny; temp. 50 degrees.

WEEK 4;

June 19, 1989; 0500-1030; Plot C & B; No wind, warmed up very quickly, temp. 50 degrees.

June 21, 1989; 0515-0830; Plot A; South wind, 7 m.p.h. humid & sunny, 68 degrees.

WEEK 5;

June 26, 1989; 0500-0545, extremely foggy, waited until 0600 to bird to 1030; Plots A & B; No wind, 62 degrees.

June 28, 1989; 0510-1000; Plots B (finished) & C; no wind sunny, 58 degrees.

WEEK 6;

July 5, 1989; 0500-0850; Plot C; No winds, hot, humid. 67-85 degrees. Yuk.

K 6 cont.

July 6, 1989; 0530-0900; Plot B; Humid and sticky, and hot.  
68-88 degrees.

July 7, 1989; 0540-0900; Plot A; Light north winds, cloudy  
and humid. 69 degrees but again warmed up very quickly.

## PLOT A (NARROW RAVINE)

## SURVEY POINT A 1

SPECIES	SURVEY NUMBER						MEAN	RANGE	PRESENCE
	2	3	4	5	6				
BLUE JAY	5	4	0	0	0	1.50	0-5	2	
GRAY CATBIRD	0	0	4	0	0	0.67	0-4	1	
INDIGO BUNTING	0	0	2	0	0	0.33	0-2	1	
ROSE BREASTED GROSBEAK	0	0	2	0	0	0.33	0-2	1	
SCARLET TANAGER	0	0	0	0	2	0.33	0-2	1	

NESTING & OTHER OBSERVATIONS

SCARLET TANAGER NEST WITH BABIES/FEEDING

## SURVEY NUMBER 6

SPECIES	SURVEY NUMBER						MEAN	RANGE	PRESENCE
	2	3	4	5	6				
BLACK CAPPED CHICKADEE	2	0	0	0	0	0.33	0-2	1	
HOUSE WREN	4	0	2	0	0	1.00	0-4	2	
EASTERN WOOD PEWEE	0	0	1	0	0	0.17	0-1	1	
BROWN HEADED COWBIRD	0	0	0	0	1	0.17	0-1	1	
GRAY CATBIRD	0	0	1	0	0	0.17	0-1	1	

## SURVEY POINT A 2

SPECIES	SURVEY NUMBER						MEAN	RANGE	PRESENCE
	2	3	4	5	6				
NORTHERN CARDINAL	2	0	0	0	0	0.33	0-2	1	
YELLOW THROATED VIREO	1	0	0	0	0	0.17	0-1	1	
SCARLET TANAGER	1	0	0	0	0	0.17	0-1	1	
OVENBIRD	0	0	1	0	0	0.17	0-1	1	
DOWNY WOODPECKER	0	0	0	0	1	0.17	0-1	1	

## SURVEY POINT A 3

SPECIES	SURVEY NUMBER						MEAN	RANGE	PRESENCE
	2	3	4	5	6				
GREAT CRESTED FLYCATCHER	2	0	0	0	0	0.33	0-2	1	
BARD OWL	0	1	0	0	0	0.17	0-1	1	
SCARLET TANAGER	0	0	1	0	0	0.17	0-1	1	
VEERY	0	0	0	2	0	0.33	0-2	1	
DOWNY WOODPECKER	0	0	0	2	0	0.33	0-2	1	
TUFTED TITMOUSE	0	0	0	2	0	0.33	0-2	1	
BALTIMORE ORIOLE	0	0	0	0	2	0.33	0-2	1	

## SURVEY POINT A 4

SPECIES	SURVEY NUMBER						MEAN	RANGE	PRESENCE
	2	3	4	5	6				
OVENBIRD	0	2	0	0	0	0.33	0-2	1	
HAIRY WOODPECKER	0	0	0	0	1	0.17	0-1	1	
WHITE BREASTED NUTHATCH	0	0	0	0	1	0.17	0-1	1	
COMMON FLICKER (Y.S.)	0	0	0	0	1	0.17	0-1	1	

## SURVEY POINT A 5

PLOT A (NARROW RAVINE) CONT.

SURVEY POINT A 6

	SURVEY NUMBER						MEAN	RANGE	PRESENCE
	1	2	3	4	5	6			
BARD OWL	1	0	0	0	0	0	0.17	0-1	1
EASTERN WOOD PEWEE	0	1	0	0	0	0	0.17	0-1	1
SCARLET Tanager	0	1	0	0	0	0	0.17	0-1	1
HOUSE WREN	0	3	0	2	0	0	0.83	0-3	2
RED BELLIED WOODPECKER	0	0	0	1	0	0	0.17	0-1	1
OVENBIRD	0	0	0	1	0	0	0.17	0-1	1
KENTUCKY WARBLER	0	0	0	0	1	1	0.33	0-1	2
RUFUS SIDED TOWHEE	0	0	0	0	0	0	0.17	0-1	1
BLUE JAY	0	0	0	0	0	1	0.17	0-1	1
DOWNY WOODPECKER	0	0	0	0	0	1	0.17	0-1	1

SURVEY POINT A 7

GRAY CATBIRD	2	0	0	0	0	0	0.33	0-2	1
BROWN CREEPER	0	1	0	0	0	0	0.17	0-1	1
RED HEADED WOODPECKER	2	0	2	2	2	0	1.33	0-2	4
YELLOW THROATED WARBLER	0	0	1	0	0	0	0.17	0-1	1
WOODTHRUSH	0	0	2	0	0	0	0.33	0-2	1
BROWN HEADED COWBIRD	0	0	0	2	1	0	0.50	0-2	2
BLUE JAY	0	0	0	2	3	0	0.83	0-3	2
AMERICAN ROBIN	0	0	0	1	0	0	0.17	0-1	1
TUFTED TITMOUSE	0	0	1	0	0	0	0.17	0-1	1
INDIGO BUNTING	0	0	1	0	0	0	0.17	0-1	1
WHITE BREASTED NUTHATCH	0	0	1	1	0	0	0.33	0-1	1
OVENBIRD	0	0	0	1	1	1	0.50	0-1	3
SCARLET Tanager	0	0	0	0	1	0	0.17	0-1	1
ROSE BREASTED GROSBEAK	0	0	0	0	1	0	0.17	0-1	1
RED BELLIED WOODPECKER	0	0	0	1	0	0	0.17	0-1	1

SURVEY POINT A 8

RED HEADED WOODPECKER	0	0	2	0	0	0	0.33	0-2	1
COMMON FLICKER(Y.S)	0	0	0	0	0	2	0.33	0-2	1

SURVEY POINT A 9

RUFUS SIDED TOWHEE	0	1	0	0	0	0	0.17	0-1	1
NORTHERN CARDINAL	0	1	0	0	0	0	0.17	0-1	1
YELLOW BILLED CUCKOO	0	0	1	0	0	0	0.17	0-1	1
YELLOW THROATED VIREO	0	0	1	0	0	0	0.17	0-1	1

SURVEY POINT A 10

BALTIMORE ORIOLE	0	0	1	0	0	0	0.17	0-1	1
COMMON GRACKLE	0	0	1	0	0	0	0.17	0-1	1
VEERY	0	0	0	0	2	0	0.33	0-2	1
RED EYED VIREO	0	0	0	0	0	1	0.17	0-1	1

PLOT A (NARROW RAVINE) CONT.

SURVEY POINT A 11

SPECIES	SURVEY NUMBER						MEAN	RANGE	PRESENCE
	1	2	3	4	5	6			
BLACK CAPPED CHICKADEE	0	0	2	0	0	0	0.33	0-2	1
HOUSE WREN	0	0	3	0	0	0	0.50	0-3	1

SURVEY POINT A 12

ROSE BREASTED GROSBEAK	2	0	0	0	0	0	0.33	0-2	1
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SURVEY POINT A 13

YELLOW BILLED CUCKOO	1	0	0	0	0	0	0.17	0-1	1
EASTERN WOOD PEWEE	1	0	0	0	0	0	0.17	0-1	1
TUFTED TITMOUSE	0	1	0	0	0	0	0.17	0-1	1
RED BELLIED WOODPECKER	0	0	1	0	0	0	0.17	0-1	1
NORTHERN CARDINAL	0	0	0	0	0	1	0.17	0-1	1

SURVEY POINT A 14

OVEN BIRD	1	0	0	0	0	0	0.17	0-1	1
INDIGO BUNTING	2	0	0	0	0	0	0.33	0-2	1
ROSE BREASTED GROSBEAK	0	1	0	0	0	0	0.17	0-1	1
COMMON GRACKLE	0	2	0	0	0	0	0.33	0-2	1
BARD OWL	0	2	0	0	0	0	0.33	0-2	1
NORTHERN CARDINAL	0	0	1	0	0	0	0.17	0-1	1
BLACK CAPPED CHICKADEE	0	0	0	0	1	0	0.17	0-1	1
HOUSE WREN	0	0	0	0	0	3	0.50	0-3	1

SURVEY POINT A 15

RED HEADED WOODPECKER	2	0	0	0	0	0	0.33	0-2	1
GRAY CATBIRD	0	0	0	0	2	0	0.33	0-2	1

SURVEY POINT A 16

GRAY CATBIRD	0	0	0	2	0	0	0.33	0-2	1
RED HEADED WOODPECKER	0	0	0	0	0	1	0.17	0-1	1

SURVEY POINT A 17

YELLOW BILLED CUCKOO	0	1	0	0	0	0	0.17	0-1	1
GRAY CATBIRD	0	1	0	0	0	0	0.17	0-1	1
WHITE BREASTED NUTHATCH	0	1	0	0	0	0	0.17	0-1	1
WOOD THRUSH	0	0	0	0	2	2	0.66	0-2	2

NESTING & OTHER OBSERVATIONS

SURVEY NUMBER 5

WOOD THRUSH NEST WITH THREE EGGS

PLOT A (NARROW RAVINE) CONT

SURVEY POINT A 18

SPECIES	SURVEY NUMBER						MEAN	RANGE	PRESENCE
	1	2	3	4	5	6			
RED BELLIED WOODPECKER	1	1	0	0	0	0	0.33	0-1	2
BLACK CAPPED CHICKADEE	0	2	0	0	0	0	0.33	0-2	1
INDIGO BUNTING	0	2	0	0	0	0	0.33	0-2	1
PILEATED WOODPECKER	0	1	1	0	0	0	0.33	0-1	2
BROWN HEADED COWBIRD	0	3	0	0	0	0	0.50	0-3	1
BLUE JAY	0	3	0	0	0	0	0.50	0-3	1
BLACK & WHITE WARBLER	0	1	0	0	0	0	0.17	0-1	1
VEERY	0	0	2	0	0	0	0.33	0-2	1
NORTHERN CARDINAL	0	0	0	1	0	0	0.17	0-1	1
EASTERN WOOD PEWEE	0	0	0	1	0	0	0.17	0-1	1
SCARLET Tanager	0	0	0	1	0	0	0.17	0-1	1
YELLOW BILLED CUCKOO	0	0	0	1	0	0	0.17	0-1	1
WOOD THRUSH	0	0	0	0	3	3	1.00	0-3	2

NESTING & OTHER OBSERVATIONS

WOOD THRUSH SITTING ON NEST

SURVEY NUMBER 5 & 6

OTHER BIRDS CONFIRMED BREEDING THAT YOU ARE PROBABLY NOT INTERESTED IN BUT I'M AM GOING TO INCLUDE HERE:

- BALTIMORE ORIOLE FEEDING YOUNG-----SURVEY NUMBER 5
- REDHEADED WOODPECKER VISITING PROBABLE NEST SITE---SURVEY #3 & 4
- REDHEADED WOODPECKER WITH FOOD-----SURVEY NUMBER 5
- GRAY CATBIRD FEEDING YOUNG-----SURVEY NUMBER 15

PLOT B (RIDGE TOP)

SURVEY POINT B 1

SURVEY NUMBER

SPECIES	1	2	3	4	5	6	MEAN	RANGE	PRESENCE
EASTERN WOOD PEWEE	0	1	0	0	0	0	0.17	0-1	1
WHITE BREASTED NUTHATCH	0	0	0	1	0	1	0.33	0-1	2
OVENBIRD	0	0	0	1	0	0	0.17	0-1	1
HOUSE WREN	0	0	0	0	1	1	0.33	0-1	2
GREAT CRESTED FLYCATCHER	0	0	0	0	1	0	0.17	0-1	1
BLACK CAPPED CHICKADEE	0	0	0	0	0	1	0.17	0-1	1
RUFUS SIDED TOWHEE	0	0	0	0	0	1	0.17	0-1	1

SURVEY POINT B 2

WHITE BREASTED NUTHATCH	0	2	0	0	0	0	0.17	0-2	1
RED-BELLIED WOODPECKER	0	0	1	0	0	0	0.17	0-1	1
NORTHERN CARDINAL	0	0	0	0	1	0	0.17	0-1	1
MOURNING DOVE	0	0	0	0	1	0	0.17	0-1	1
HAIRY WOODPECKER	0	0	0	0	2	0	0.33	0-2	1
BLUE JAY	0	0	0	0	0	1	0.17	0-1	1
SCARLET TANAGER	0	0	0	0	0	1	0.17	0-1	1

SURVEY POINT B 3

DOWNY WOODPECKER	2	0	0	0	0	0	0.33	0-2	1
RED EYED VIREO	0	2	0	0	0	0	0.33	0-2	1
YELLOW BILLED CUCKOO	0	1	0	0	0	0	0.17	0-1	1
WOOD THRUSH	0	0	1	0	0	0	0.17	0-1	1
COMMON (YELLOW SHAFTED) FLICKER	0	0	0	1	0	0	0.17	0-1	1

SURVEY POINT B 4

BLACK CAPPED CHICKADEE	2	0	0	0	1	0	0.50	0-2	2
RED-BELLIED WOODPECKER	0	2	0	0	0	0	0.33	0-2	1
DOWNY WOODPECKER	0	2	0	0	0	0	0.33	0-2	1
RED-EYED VIREO	0	0	0	0	0	1	0.17	0-1	1

SURVEY POINT B 5

RED-HEADED WOODPECKER	1	2	0	0	0	0	0.50	0-2	2
HOUSE WREN	3	0	0	0	0	0	0.50	0-3	1
YELLOW BILLED CUCKOO	0	0	1	0	0	0	0.17	0-1	1
BROWN HEADED COWBIRD	0	0	1	0	0	0	0.17	0-1	1
LOUISIANA WATERTHRUSH	0	0	2	0	0	0	0.33	0-2	1
RED-BELLIED WOODPECKER	0	0	0	1	0	1	0.33	0-1	2

SURVEY POINT B 6

WOOD THRUSH	2	0	0	0	0	0	0.33	0-2	1
COMMON GRACKLE	3	0	0	0	0	0	0.50	0-3	1
BROWN HEADED COWBIRD	5	0	0	0	0	0	0.83	0-5	1
BLUE JAY	3	2	0	0	0	0	0.83	0-3	1
OVENBIRD	0	2	0	0	0	0	0.33	0-2	1

PLOT B (RIDGE TOP) CONT.

SURVEY POINT B 7

SPECIES	SURVEY NUMBER						MEAN	RANGE	PRESENCE
	1	2	3	4	5	6			
YELLOW THROATED VIREO	1	0	0	0	0	0	0.17	0-1	1
NORTHERN CARDINAL	0	1	0	0	0	0	0.17	0-1	1
ROSE BREASTED GROSBEAK	0	1	0	1	1	0	0.50	0-1	3
INDIGO BUNTING	0	3	0	0	0	0	0.50	0-3	1
BALTIMORE ORIOLE	0	1	0	0	0	0	0.17	0-1	1
EASTERN WOOD PEWEE	0	0	0	1	0	0	0.17	0-1	1
COMMON FLICKER (Y.S.)	0	0	0	2	0	0	0.33	0-2	1
RED HEADED WOODPECKER	0	0	0	1	0	0	0.17	0-1	1
BLUE JAY	0	0	0	1	0	0	0.17	0-1	1

SURVEY POINT B 8

LOUISIANA WATERTHRUSH	1	0	0	0	0	0	0.17	0-1	1
WOODTHRUSH	0	2	0	0	0	0	0.33	0-2	1
GRAY CATBIRD	0	0	1	0	0	0	0.17	0-1	1
GREAT CRESTED FLYCATCHER	0	0	0	1	0	0	0.17	0-1	1
INDIGO BUNTING	0	0	0	0	1	0	0.17	0-1	1

SURVEY POINT B 9

COMMON FLICKER (Y.S.)	3	0	0	0	0	0	0.50	0-3	1
RUFUS SIDED TOWHEE	0	1	0	3	0	0	0.66	0-3	2
KENTUCKY WARBLER	0	0	0	1	0	0	0.17	0-1	1
RED BELLIED WOODPECKER	0	0	0	0	1	0	0.17	0-1	1
TUFTED TITMOUSE	0	0	0	0	1	0	0.17	0-1	1
GRAY CATBIRD	0	0	0	0	0	1	0.17	0-1	1

SURVEY POINT B 10

HAIRY WOODPECKER	2	0	0	0	0	0	0.33	0-2	1
GREAT CRESTED FLYCATCHER	2	0	0	0	0	0	0.33	0-2	1
AMERICAN ROBIN	0	1	0	0	0	0	0.17	0-1	1
BLUE JAY	0	0	0	0	1	0	0.17	0-1	1
RUFUS SIDED TOWHEE	0	0	0	0	2	0	0.33	0-2	1

SURVEY POINT B 11

ROSE BREASTED GROSBEAK	1	0	1	0	0	0	0.17	0-1	1
BALTIMORE ORIOLE	1	0	0	1	0	0	0.17	0-1	2
KENTUCKY WARBLER	0	0	1	0	0	0	0.17	0-1	1
YELLOW BILLED CUCKOO	0	0	0	1	0	0	0.17	0-1	1
COMMON GRACKLE	0	0	0	2	0	0	0.33	0-2	1
BROWN HEADED COWBIRD	0	0	0	0	1	0	0.17	0-1	1
SCARLET TANAGER	0	0	0	0	1	0	0.17	0-1	1
OVENBIRD	0	0	0	0	0	1	0.17	0-1	1



## PLOT B (RIDGE TOP) CONT.

## SURVEY POINT B 12

SPECIES	SURVEY NUMBER						MEAN	RANGE	PRESENCE
	1	2	3	4	5	6			
BROWN HEADED COWBIRD	3	0	0	0	0	0	0.50	0-3	1
HAIKY WOODPECKER	0	0	1	1	0	0	0.33	0-1	2
OVENBIRD	0	0	1	0	1	0	0.33	0-1	2
RED EYED VIREO	0	0	1	1	0	0	0.33	0-1	2
PILEATED WOODPECKER	0	0	0	0	1	0	0.17	0-1	1
YELLOW BILLED CUCKOO	0	0	0	0	1	0	0.17	0-1	1
GRAY CATBIRD	0	0	0	0	1	0	0.17	0-1	1

## SURVEY POINT B 13

NORTHERN CARDINAL	0	0	1	0	0	0	0.17	0-1	1
RED HEADED WOODPECKER	0	0	1	0	0	0	0.17	0-1	1
COMMON FLICKER (Y.S.)	0	0	1	0	0	0	0.17	0-1	1
TUFTED TITMOUSE	0	0	0	1	0	0	0.17	0-1	1
BROWN HEADED COWBIRD	0	0	0	1	0	0	0.17	0-1	1

## SURVEY POINT B 14

WOOD THRUSH	0	0	2	0	0	0	0.33	0-2	1
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## SURVEY POINT B 15

RED TAIL HAWK	0	0	0	0	1	0	0.17	0-1	1
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## SURVEY POINT B 16

INDIGO BUNTING	3	0	0	0	0	0	0.50	0-3	1
BARD OWL	0	1	0	0	0	0	0.17	0-1	1
RUFUS SIDED TOWHEE	0	0	1	0	0	0	0.17	0-1	1
KENTUCKY WARBLER	0	0	0	0	1	0	0.17	0-1	1
YELLOW BILLED CUCKOO	0	0	0	0	0	1	0.17	0-1	1

## SURVEY POINT B 17

GRAY CATBIRD	1	0	0	0	0	0	0.17	0-1	1
COMMON GRACKLE	0	1	0	0	0	0	0.17	0-1	1
YELLOW THROATED WARBLER	0	0	1	0	0	0	0.17	0-1	1
BLACK CAPPED CHICKADEE	0	0	0	0	1	0	0.17	0-1	1
WHITE BREASTED NUTHATCH	0	0	0	0	0	1	0.17	0-1	1

## SURVEY POINT B 18

SCREECH OWL	1	1	0	0	0	0	0.17	0-1	1
GRAY CATBIRD	0	1	0	0	0	0	0.17	0-1	1
BLUE JAY	0	0	1	0	0	0	0.17	0-1	1
EASTERN WOOD PEWEE	0	0	0	0	1	2	0.50	0-2	2
RED EYED VIREO	0	0	0	0	1	0	0.17	0-1	1
WHITE BREASTED NUTHATCH	0	0	0	0	1	0	0.17	0-1	1

PLOT B (RIDGE TOP) CONT.

Again I am including birds other than those on the list that you are looking for; unfortunately, but these birds are confirmed nesters in Wards Grove:

RED BELLYED WOODPECKER YOUNG-----SURVEY # 11  
RUFUS SIDED TOWHEE-----SURVEY # 9  
DOWNY WOODPECKER WITH FOOD-----SURVEY # 15  
TUFTED TITMOUSE FEEDING YOUNG-----SURVEY # 4  
BLACK CAPPED CHICKADEE FEEDING YOUNG--SURVEY # 8

PLOT C (NARROW RAVINE-SOUTH)

SURVEY POINT C 1

SPECIES	SURVEY NUMBER						MEAN	RANGE	PRESENCE
	1	2	3	4	5	6			
WOODTHRUSH	1	0	0	0	0	0	0.17	0-1	1
INDIGO BUNTING	0	0	3	0	0	0	0.50	0-3	1
DOWNY WOODPECKER	0	0	1	0	0	0	0.17	0-1	1
RED EYED VIREO	0	0	0	1	0	0	0.17	0-1	1
RUFUS SIDED TOWHEE	0	0	0	0	1	0	0.17	0-1	1

SURVEY NUMBER C 2

RED BELLIED WOODPECKER	1	0	0	0	0	0	0.17	0-1	1
VEERY	0	0	1	0	0	0	0.17	0-1	1
HOUSE WREN	0	0	2	0	0	0	0.33	0-2	1
HAIRY WOODPECKER	0	0	0	1	0	0	0.17	0-1	1
BLUE JAY	0	0	0	0	1	0	0.17	0-1	1

SURVEY POINT C 3

LEAST FLYCATCHER	1	0	0	0	0	0	0.17	0-1	1
YELLOW BILLED CUCKOO	0	1	1	0	0	0	0.33	0-1	2
NORTHERN CARDINAL	0	0	1	0	0	0	0.17	0-1	1
TUFTED TITMOUSE	0	0	0	1	1	0	0.33	0-1	2
DOWNY WOODPECKER	0	0	0	1	0	0	0.17	0-1	1
YELLOW THROATED VIREO	0	0	0	0	1	0	0.17	0-1	1
EASTERN WOOD PEWEE	0	0	0	0	4	0	0.66	0-4	1
BLUE JAY	0	0	0	0	1	0	0.17	0-1	1
OVENBIRD	0	0	0	0	0	1	0.17	0-1	1

SURVEY POINT C 4

VEERY	2	0	0	0	0	1	0.50	0-2	2
COMMON FLICKER (Y.S.)	0	2	0	0	0	0	0.33	0-2	1
OVENBIRD	0	0	2	0	0	0	0.33	0-2	1
WHITE BREASTED NUTHATCH	0	0	1	0	0	0	0.17	0-1	1
GREAT CRESTED FLYCATCHER	0	0	1	0	0	0	0.17	0-1	1

SURVEY POINT C 5

YELLOW BILLED CUCKOO	1	0	0	0	0	0	0.17	0-1	1
INDIGO BUNTING	3	0	0	0	0	0	0.50	0-3	1
OVENBIRD	3	0	0	0	0	0	0.50	0-3	1
SCARLET Tanager	0	0	1	0	0	0	0.17	0-1	1
WOODTHRUSH	0	0	0	0	0	1	0.17	0-1	1

SURVEY POINT C 6

RED EYED VIREO	2	0	0	0	0	0	0.33	0-2	1
GRAY CATBIRD	1	0	0	0	0	0	0.17	0-1	1
ROSE BREASTED GROSBEAK	0	1	0	0	0	0	0.17	0-1	1
BLUE JAY	0	0	2	0	0	0	0.33	0-2	1

PLOT C (NARROW RAVINE-SOUTH)

SURVEY POINT C 7

SPECIES	SURVEY NUMBER						MEAN	RANGE	PRESENCE
	1	2	3	5	6				
VEERY	0	2	0	0	0	0	0.33	0-2	1
WOODTHRUSH	0	1	0	0	0	0	0.17	0-1	1
REDBELLIED WOODPECKER	0	0	1	0	0	0	0.17	0-1	1
BLACK CAPPED CHICKADEE	0	0	0	0	0	1	0.17	0-1	1

SURVEY POINT C 8

INDIGO BUNTING	0	3	0	0	0	0	0.50	0-3	1
COMMON FLICKER (Y.S.)	0	0	1	1	0	0	0.33	0-1	1
DOWNY WOODPECKER	0	0	0	0	0	1	0.17	0-1	1

SURVEY POINT C 9

RUFUS SIDED TOWHEE	0	3	0	0	0	0	0.50	0-3	1
BLACK CAPPED CHICKADEE	0	0	1	0	0	0	0.17	0-1	1
WOODTHRUSH	0	0	0	1	0	0	0.17	0-1	1
AMERICAN ROBIN	0	0	0	0	1	0	0.17	0-1	1
TUFTED TITMOUSE	0	0	0	0	0	1	0.17	0-1	1

SURVEY POINT C 10

HAIRY WOODPECKER	0	1	0	0	0	0	0.17	0-1	1
EASTERN WOOD PEWEE	0	0	1	0	0	0	0.17	0-1	1
AMERICAN ROBIN	0	0	0	1	0	0	0.17	0-1	1
AMERICAN CROW	0	0	1	0	0	0	0.17	0-1	1
YELLOW BILLED CUCKOO	0	0	0	0	1	0	0.17	0-1	1

SURVEY POINT C 11

RED EYED VIREO	0	2	0	0	0	0	0.33	0-2	1
YELLOW THROATED WARBLER	0	0	1	0	0	0	0.17	0-1	1
ROSE BREASTED GROSBEAK	0	0	1	0	0	0	0.17	0-1	1
HOUSE WREN	0	0	0	2	0	0	0.33	0-2	1
BLACK CAPPED CHICKADEE	0	0	0	1	0	0	0.17	0-1	1
RED HEADED WOODPECKER	0	0	0	1	0	0	0.17	0-1	1
GRAY CATBIRD	0	0	0	1	0	0	0.17	0-1	1
VEERY	0	0	0	0	1	0	0.17	0-1	1

NESTING & OTHER OBSERVATIONS:

RED EYED WITH FOOD TO TOP OF TREE UNABLE TO FIND NEST  
 VEERY DISPLAYING AGITATED BEHAVIOR

SURVEY POINT C 12

SCARLET Tanager	1	0	0	0	0	0	0.17	0-1	1
OVENBIRD	0	1	0	0	0	0	0.17	0-1	1
GRAY CATBIRD	0	0	2	0	0	0	0.33	0-2	1
RUFUS SIDED TOWHEE	0	0	2	0	0	0	0.33	0-2	1
BROWN CREEPER	0	0	0	1	0	0	0.17	0-1	1
VEERY	0	0	0	1	0	0	0.17	0-1	1
INDIGO BUNTING	0	0	0	0	2	0	0.33	0-2	1
RED EYED VIREO	0	0	0	0	0	2	0.33	0-2	1

## PLOT C (NARROW RAVINE-SOUTH)

SURVEY POINT C 13

SPECIES	SURVEY NUMBER						MEAN	RANGE	PRESENCE
	1	2	3	4	5	6			
EASTERN WOOD PEWEE	0	1	0	0	0	0	0.17	0-1	1
RED EYED VIREO	0	0	2	0	0	0	0.33	0-2	1
INDIGO BUNTING	0	0	0	3	0	2	0.83	0-3	2
OVENBIRD	0	0	0	1	0	0	0.17	0-1	1
BLACK CAPPED CHICKADEE	0	0	0	0	3	0	0.50	0-3	1
COMMON FLICKER (Y.S.)	0	0	0	0	1	0	0.17	0-1	1
RED BELLIED WOODPECKER	0	0	0	0	0	2	0.33	0-2	1

## SURVEY POINT C 14

WOODTHRUSH	0	0	1	0	1	0	0.33	0-1	2
EASTERN WOOD PEWEE	0	0	0	1	0	0	0.17	0-1	1
NORTHERN CARDINAL	0	0	0	1	1	1	0.50	0-1	3
RED EYED VIREO	0	0	0	0	2	0	0.33	0-2	1

## SURVEY POINT C 15

BLUE JAY	0	0	0	1	0	0	0.17	0-1	1
BROWN HEADED COWBIRD	0	0	0	1	1	0	0.33	0-1	2
GRAY CATBIRD	0	0	0	0	1	0	0.17	0-1	1
AMERICAN REDSTART	0	0	0	0	1	0	0.17	0-1	1

## SURVEY POINT C 16

AMERICAN GOLDFINCH	0	0	1	0	2	0	0.50	0-2	2
SCARLET TANAGER	0	0	0	1	0	0	0.17	0-1	1
WILD TURKEY	0	0	0	0	0	1	0.17	0-1	1

## SURVEY POINT C 17

SHARP SHINNED HAWK	1	0	0	0	0	0	0.17	0-1	1
RED BELLEID WOODPECKER	0	0	0	3	0	0	0.50	0-3	1
HOUSE WREN	0	0	0	0	2	0	0.33	0-2	1
AMERICAN ROBIN	0	0	0	0	0	1	0.17	0-1	1

## SURVEY POINT C 18

PILEATED WOODPECKER	1	0	0	0	0	0	0.17	0-1	1
COMMON GRACKLE	0	2	0	0	0	0	0.33	0-2	1
GRAY CATBIRD	0	3	0	0	0	0	0.50	0-3	1
AMERICAN ROBIN	0	1	0	0	0	0	0.17	0-1	1
NORTHERN CARDINAL	0	1	0	0	0	0	0.17	0-1	1
BLUE JAY	0	1	0	0	0	0	0.17	0-1	1
YELLOW BILLED CUCKOO	0	0	0	0	0	1	0.17	0-1	1

WARDS GROVE NATURE PRESERVE  
AVIAN INVESTIGATION

PLOT A- NARROW RAVINE

PLOT B- RIDGE TOP

PLOT C- BROAD RAVINE

