

Avian observations, Rum Hill and the Upper Site, spring 2001

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INTRODUCTION

In 1992, Sharick (1993) established observation sites along trails at the Upper Site (Figure 1) and at Rum Hill (Figure 2) in order to establish a protocol for taking observations of the local avian community. Between 1991 and 1999, Sharick made and recorded observations from the transects during the spring and summer of each year. This study is a continuation of that survey. If this is performed in the future, it will allow for assessment of change in the avian population. An attempt was made to make observations in such a way as to provide both continuity with previous data and maximum information on the status of the avian population.

METHODS

During late May and early June of 2001, observations were made along all transects previously used by Sharick (1992). In some places, missing transect markers were replaced or rehung on trees. Trails were hiked shortly after sunrise in order to observe birds during the period when their activity and vocalizations are at a peak (Romero et al., 1997). Observations were made at the established points along the transect, and when the points were distant to one another, observations were made in the intermediate areas. In some cases, there are additional observations as to the behavior of the birds. More of these observations were made toward the end of the survey, when the author made more detailed records.

RESULTS

A list of all species observed is presented in Table 1. A total of seventy species was observed at the Upper Site and Rum Hill. In Table 2, observations are presented for each point along the trails. Species which had not been previously recorded include the Spotted Sandpiper, Olive-sided Flycatcher, Northern Rough-winged Swallow, Cliff Swallow (Table 2.). In some instances, there are no data for a point along a transect. This is usually because there was no marker, and the point could not be found. In these cases, it is assumed that the observations made in the intermediate area accounted for the species present.

DISCUSSION

This study found similar species and numbers of birds compared to those by Sharick (1993). Any subtle differences could largely be due to a divergence in observation methodologies. In this study, the author only took observations from the

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established sites, and in all cases transects were walked in their entirety. This provides specific data for various areas within the properties. In past years, Sharick's observations were made at whichever areas she considered most productive, and records are not available for specific points along the trails (Sharick, pers. comm.). It is difficult to determine the overall health of the avian population from this data. A continuous series of observations from the same points must be made in order to assess long-term changes in the avian population. When noting population changes over time, it is important to consider the influence of successional changes in the plant community, as various bird species prefer different types of cover.

Several additions should be made to make the data collected in future surveys more quantifiable and comparable. The number of individuals of a species at each location should be recorded, as well as the activity in which the individuals are engaged. Also, the level of certainty with which the identification is made should be recorded, in addition to whether the bird was seen or heard. The New York State Breeding Bird Atlas (Andrle and Carroll, 1988) uses various levels of confirmation to determine whether birds are breeding. Likewise, it would be useful to know whether particular species are breeding in future surveys. Making more detailed observations could help to make that determination. Many signs along the trails have either fallen from their trees, or are about to do so; these should be replaced as quickly as possible.

REFERENCES

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- Sharick. M.A. 2001. Personal communication. SUNY College of technology, Delhi, NY.

Table 1. Common and scientific names of birds observed at the Upper Site and Rum Hill.

<i>Ardea herodias</i>	Great Blue Heron
<i>Branta canadensis</i>	Canada Goose
<i>Aix sponsa</i>	Wood Duck
<i>Lophodytes cucullatus</i>	Hooded Merganser
<i>Buteo jamaicensis</i>	Red-tailed Hawk
<i>Bonasa umbellus</i>	Ruffed Grouse
<i>Meleagris gallopavo</i>	Wild Turkey
<i>Zenaidura macroura</i>	Mourning Dove
<i>Actitis macularia</i>	Spotted Sandpiper
<i>Strix varia</i>	Barred Owl
<i>Archilochus colubris</i>	Ruby-throated Hummingbird
<i>Ceryle alcyon</i>	Belted Kingfisher
<i>Picoides villosus</i>	Hairy Woodpecker
<i>Picoides pubescens</i>	Downy Woodpecker
<i>Colaptes auratus</i>	Northern Flicker
<i>Sphyrapicus varius</i>	Yellow-bellied Sapsucker
<i>Drycopus pileatus</i>	Pileated Woodpecker
<i>Contopus virens</i>	Eastern Wood-Pewee
<i>Sayornis phoebe</i>	Eastern Phoebe
<i>Myiarchus crinitus</i>	Great Crested Flycatcher
<i>Tyrannus tyrannus</i>	Eastern Kingbird
<i>Empidonax minimus</i>	Least Flycatcher
<i>Empidonax alnorum</i>	Alder Flycatcher
<i>Ampidonax trillii</i>	Willow Flycatcher
<i>Contopus cooperi</i>	Olive-sided Flycatcher
<i>Cyanocitta cristata</i>	Blue Jay
<i>Corvus brachyrhynchos</i>	American Crow
<i>Stelgidopteryx serripennis</i>	Northern Rough-winged Swallow
<i>Tachycineta bicolor</i>	Tree Swallow
<i>Petrochelidon pyrrhonota</i>	Cliff Swallow
<i>Hirundo rustica</i>	Barn Swallow
<i>Poecile atricapillus</i>	Black-capped Chickadee
<i>Sitta Carolinesis</i>	White-breasted Nuthatch
<i>Sitta canadensis</i>	Red-breasted Nuthatch
<i>Certhia americana</i>	Brown Creeper
<i>Catharus guttatus</i>	Hermit Thrush
<i>Hylocichla mutelina</i>	Wood Thrush
<i>Catharus fuscescens</i>	Veery
<i>Turdus migratorius</i>	American Robin
<i>Dumetella carolinensis</i>	Gray Catbird
<i>Bombycilla cedrorum</i>	Cedar Waxwing
<i>Vireo olivaceus</i>	Red-eyed Vireo
<i>Vireo solitarius</i>	Blue-headed Vireo
<i>Dendroica petechia</i>	Yellow Warbler
<i>Dendroica coronata</i>	Yellow-rumped Warbler
<i>Seiurus aurocapillus</i>	Ovenbird
<i>Geothlypis trichas</i>	Common Yellowthroat
<i>Dendroica pensylvanica</i>	Chestnut-sided Warbler
<i>Dendroica caerulescens</i>	Black-throated Blue Warbler
<i>Dendroica fusca</i>	Blackburnian Warbler
<i>Dendroica virens</i>	Black-throated Green Warbler

<i>Mniotilta varia</i>	Black-and-white Warbler
<i>Setophaga ruticilla</i>	American Redstart
<i>Vermivora pinus</i>	Blue-winged Warbler
<i>Vermivora chrysoptera x pinus</i>	Brewster's warbler
<i>Seiurus noveboracensis</i>	Northern Waterthrush
<i>Seiurus motacilla</i>	Louisiana Waterthrush
<i>Piranga olivacea</i>	Scarlet Tanager
<i>Cardinalis cardinalis</i>	Northern Cardinal
<i>Spizella pusilla</i>	Field Sparrow
<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak
<i>Passerina cyanea</i>	Indigo Bunting
<i>Pipilo erythrophthalmus</i>	Eastern Towhee
<i>Melospiza melodia</i>	Song Sparrow
<i>Spizella pallida</i>	Chipping Sparrow
<i>Junco hyemalis</i>	Dark-eyed Junco
<i>Molothrus ater</i>	Brown-headed Cowbird
<i>Agelaius phoeniceus</i>	Red-winged Blackbird
<i>Quiscalus quiscula</i>	Common Grackle
<i>Icterus galbula</i>	Baltimore Oriole
<i>Carpodacus purpureus</i>	Purple Finch
<i>Carduelis tristis</i>	American Goldfinch

Table 2. Observations from each site, organized by date observed.

Upper Site, Northwestern Series 5/24/2001

Location	Species	Observation type	S=seen, H=heard, B=both
A	American Robin	H	
	Common Yellowthroat	B	
	Black-capped Chickadee	B	
	Blue Jay	H	
	Tree Swallow	B	
	Common Grackle	S	
	Wood Thrush	H	
	Rough-winged Swallow	B	
A-B	White-breasted Nuthatch	H	
	Downy Woodpecker	H	
	Slate-colored Junco	S	
	Mourning Dove	H	
	Red-winged Blackbird	B	
	Spotted Sandpiper	S	
	Gray Catbird	B	
	Common Yellowthroat	B	
B	Red-winged Blackbird	B	
	Hooded Merganser	B	
	Tree Swallow	B	
	American Crow	S	
00	Red-eyed Vireo	H	
	Wood Thrush	B	
	Ovenbird	H	
	American Redstart	H	
	Brown Creeper	S	

	Eastern Kingbird	B	
C	Common Yellowthroat	B	Seen on nest in Beaver Pond
	American Robin	S	
	Eastern Kingbird	H	
	Blue Jay	H	
	American Crow	H	
	Tree Swallow	B	
	Brown-headed Cowbird	H	
	Song Sparrow	H	
	Red-winged Blackbird	S	
	Wood Duck	S	
	Eastern Wood-Pewee	B	
	Brown Creeper (seen carrying food)	B	
D	Brown-headed Cowbird	H	
	Ovenbird	H	
	American Robin	H	
	Veery	H	
	Black-throated Green Warbler	H	
	Great-crested Flycatcher	H	
	Chickadee	B	
	Red-eyed Vireo	H	
E-D	Ovenbird	H	
	Yellow-rumped warbler	H	
	Brown-headed Cowbird	H	
	Least Flycatcher	H	
	American Robin	H	
	Mourning Dove	H	
	American Redstart	H	
	Wood Thrush	H	
	Common Yellowthroat	H	
	Red-eyed Vireo	H	
E	American Robin	H	
	Slate-colored Junco	H	
	American Redstart	H	
	Ruffed Grouse	H	
	Hooded Merganser	B	
	Cedar Waxwing	B	
	Common Grackle	B	
	Yellow-rumped Warbler	H	
E-F	Brown Creeper	B	
	Great Crested Flycatcher	B	
	American Redstart	H	
	Ovenbird	H	
	Red-eyed Vireo	H	
	Black-throated Green Warbler	H	
	Yellow-rumped Warbler	H	
	Yellow Warbler	H	
F	Black-throated Green Warbler	H	
	Common Yellowthroat	H	

	Yellow-bellied Sapsucker	S	
	Catbird	B	
	Blue Jay	H	
	Olive-Sided Flycatcher	B	
	Slate-colored Junco	B	
G	Great-crested Flycatcher	H	
	Common Yellowthroat	H	
	Red-eyed Vireo	H	
	Eastern Wood-Pewee	H	
	American Robin	H	
	Black-capped Chickadee	B	
H	Wood Thrush	H	
	Song Sparrow	H	
	American Robin	H	
	Cedar Waxwing	H	
	Red-winged Blackbird	B	
	Indigo Bunting	H	
	Common Yellowthroat	H	
	Eastern Wood-Pewee	H	
H-I	American Redstart	H	
	Field Sparrow	H	
	Ovenbird	H	
	Rose-breasted Grosbeak	H	
	Ruffed Grouse	S	
	Wood Thrush	H	
	Common Crow	H	
	Red-eyed Vireo	H	
	Yellow-bellied Sapsucker	H	
I	Blue Jay	H	
	American Crow	H	
	American Redstart	H	Pinkster Isalias seen near the corner of the impoundment, just across the fence from the field station property.
	Ruby-throated Hummingbird (male)	S	
	Ovenbird	H	
	Common Yellowthroat	H	
	Northern Cardinal	H	
	Black-capped Chickadee	H	
	Baltimore Oriole	H	
	Purple Finch	H	
	American Goldfinch	H	
I-J	White-breasted Nuthatch	H	
	Black and White Warbler	H	
	Common Yellowthroat	H	
	Black-capped Chickadee	H	
	Slate-colored Junco	B	
	Ovenbird		
J	Black-capped Chickadee	H	

	Black-throated Green Warbler	H
	Common Yellowthroat	H
	Chipping Sparrow	H
	Ovenbird	H
	Hermit Thrush	H
	Blue-headed Vireo	H
	Red-eyed Vireo	H
J-K	Wood Thrush	B
	Red-eyed Vireo	B
	Blue-headed Vireo	H
	Black-throated Green Warbler	H
	Mourning Dove	H
	American Robin	H
K	Black-throated Green Warbler	H
	Brown Creeper (Pair)	B
	Hermit Thrush	H
	Red-eyed Vireo	H
	Ovenbird	H
	American Robin	H
	Wood Thrush	H
	Mourning Dove	H
	Blue Jay	B
	American Crow	H
	Scarlet Tanager	H
	Purple Finch	H
K-L	Black-throated Green warbler	H
	Red-eyed Vireo	H
	Blue-headed Vireo	H
	Ovenbird	H
L	Wood Thrush	H
	Scarlet Tanager	H
	Brown-headed Cowbird	H
M	American Redstart	H
	Blue Jay	H
	American Robin	H
	Blackburnian Warbler	H
	Chipping Sparrow	H

Upper Site, Southeastern Series 6/5/2001

A	Tree Swallow	B
	Barred Owl	H
	Northern Rough-winged Swallow	B
	Common Yellowthroat	B
	Cliff Swallow	B
	Barn Swallow	B
	American Crow	H
	Ovenbird	H
	Eastern Phoebe	H
	Yellow Warbler	B

	Song Sparrow	H	
	Mourning Dove	H	
	Junco	H	
	Great Blue Heron	S	
A-B	Alder Flycatcher	H	
	Common Yellowthroat	H	
	Slate-colored Junco	H	
	Veery	H	
	Ovenbird	H	
	American Crow	H	
	Common Grackle	S	
	Song Sparrow	H	
	Yellow Warbler	H	
	American Robin	B	
	Black-throated Green Warbler	H	
	Gray Catbird	H	
	Tree Swallow	B	
	Barn Swallow	B	
	Chestnut-sided Warbler	H	
	Black –capped Chickadee	H	
	White-breasted Nuthatch	S	
	Chipping Sparrow	H	
	Purple Finch	H	
	Red-winged Blackbird	H	
	Wood Duck	H	
	Mourning Dove	H	
	Cedar Waxwing	S	
	Eastern Kingbird	S	
	Downy Woodpecker	S	
B	Canada Goose	S	With goslings
	Tree Swallow	S	
	Red-Winged Blackbird	B	
	Hooded Merganser	B	
	Belted Kingfisher	S	
	Alder Flycatcher	H	
	Yellow Warbler	H	
	American Robin	H	
	American Crow	H	
	Common Yellowthroat	H	
	Ovenbird	H	
	Song Sparrow	S	
	Mourning Dove	H	
	Black-capped Chickadee	H	
C	Song Sparrow	S	
	Chestnut-sided Warbler	H	
	Great Crested Flycatcher	H	
	Red-eyed Vireo	H	
	Common Yellowthroat	H	
	American Robin	B	
	Black-capped Chickadee	H	
	Red-winged Blackbird	B	
	American Crow	H	
	American Goldfinch	S	

D	Song Sparrow	H	
	American Robin	H	
	American Crow	H	
	Red-eyed Vireo	H	
	Eastern Towhee	H	
	Common Yellowthroat	H	
	Indigo Bunting (Also turkey tracks seen)	B	
D-E	Hermit Thrush	H	
	American Goldfinch	H	
	Veery	H	
	American Robin	H	
	Red-eyed Vireo	H	
	American Crow Ovenbird	H H	
E	Veery	H	
	Barn Swallow	S	
	Hermit Thrush	H	
	Red-tailed Hawk	B	
	Common Yellowthroat	S	Seen on nest site
	Northern Waterthrush	H	
	Slate-colored Junco Rough-winged Swallow	H S	
E-F	Veery	H	
	Red-breasted Nuthatch	H	
	American Robin	H	
	Red-eyed Vireo	H	
	Blue Jay	H	
	Black-capped Chickadee	H	
	Ovenbird	H	
	Scarlet Tanager	H	
	Blue-headed Vireo	H	
	Chestnut-sided Warbler	H	
	American Redstart	H	
	Black-capped Chickadee	H	
	Blue Jay	H	
	Yellow-rumped Warbler	H	
	Turkey	H	
Eastern Wood-Pewee	H		
Blue-headed Vireo	H		
F	Red-breasted Nuthatch	H	
	Veery	H	
	American Robin	H	
	Red-eyed Vireo	H	
	Blue Jay	H	
	Black-capped Chickadee Ovenbird	H H	
F-G	Eastern Wood-Pewee	H	
	American Robin	H	
	Hairy Woodpecker	B	Seen feeding young in cavity

Black-throated Green Warbler	H
Blackburnian Warbler	H
Scarlet Tanager	H

Northern Trail Circuit at Rum Hill, 6/16/2001

0	Ovenbird	H
	Eastern Wood-Pewee	H
	American Robin	H
	Wood Thrush	H
	White-breasted Nuthatch	H
00-A	American Redstart	H
	American Crow	H
	Scarlet Tanager	H
A	Ovenbird	H
	American Crow	H
	Eastern Wood-Pewee	H
	Veery	H
	Rose-breasted Grosbeak	B
	Mourning Dove	H
A-B	Canada Goose	H
	Red-eyed Vireo	H
	Indigo Bunting	H
	American Goldfinch	H
	Scarlet Tanager	H
	Wood thrush	H
	Black-capped Chickadee	H
B	Brown-headed Cowbird	H
	Wood Thrush	H
	Ovenbird	H
	Chestnut-sided Warbler	H
	Scarlet Tanager	H
	Canada Goose	H
B-C	Black-and-white Warbler	H
	Field Sparrow	H
	Baltimore Oriole	H
	Scarlet Tanager	H
	Canada Goose	H
	Song Sparrow	H
	Field Sparrow	H
	Pileated Woodpecker	H
C	Alder Flycatcher	H
	Scarlet Tanager	H
	Chestnut-sided Warbler	B
	Blue Jay	S
	Gray Catbird	H
	Baltimore Oriole	H
	Field Sparrow	H

	Downy Woodpecker	H	
	Eastern Towhee	H	
	Blue-winged Warbler	H	
	Common Grackle	S	
C-D	Black-capped Chickadee	H	
D	Gray Catbird	H	
	Song Sparrow	H	
	Indigo Bunting	H	
	Red-eyed Vireo	H	
	Great Crested Flycatcher	H	
	Eastern Wood-Pewee	H	
	Mourning Dove	H	
	Alder Flycatcher	H	
D-E	Dark-eyed Junco	S	
	Black and White Warbler	H	
	Ovenbird	H	
	Wood Thrush	H	
	Eastern Wood-Pewee	H	
	Mourning Dove	H	
	Indigo Bunting	H	
	Wood Thrush	S	Fledging
	Red-eyed Vireo	H	
E	Black-throated Green Warbler	H	
	Blue-headed Vireo	H	
	Wood Thrush	S	
F	Red-eyed Vireo	S	
	Scarlet Tanager	B	
	American Robin	S	with protective nesting display
	Wood Thrush	H	
F-G	Black-throated Green Warbler	H	
G	Black-capped Chickadee	H	
	Black-throated Green Warbler	H	
	Red-eyed Vireo	H	
	Baltimore Oriole	H	
	Scarlet Tanager	H	
	American Goldfinch	B	
	Hermit Thrush	H	
	Black and White Warbler	S	
	Yellow-rumped Warbler	B	
	Dark-eyed Junco	B	
	Ovenbird	H	
H	Ruffed Grouse	B	
	Wood Thrush	H	
	Black-capped Chickadee	H	
	Red-eyed Vireo	H	
	Ovenbird	H	
H-I	Black-throated Green Warbler	S	Seen carrying food to nest

	Blue-headed Vireo	H	
	Red-eyed Vireo	H	
I	Wood Thrush	H	
	Hermit Thrush	B	
	American Crow	H	
	Red-eyed Vireo	H	
	Ovenbird	H	
	Scarlet Tanager	H	
	American Goldfinch	H	
	Common Yellowthroat	H	
	Yellow-bellied Sapsucker	H	
	Blue Jay	H	
	Black-throated Green Warbler	H	
J	Black-throated Green Warbler	H	
	Red-eyed Vireo	H	
	Scarlet Tanager	H	
	Blue Jay	H	
	Ovenbird	H	
	Canada Goose	H	
	Black-capped Chickadee	H	
	Common Yellowthroat	H	
K	Mourning Dove	H	
	Black and White Warbler	H	
	Ovenbird	S	Seen carrying food to nest
L	Chipping Sparrow	S	
	Red-eyed Vireo	H	
	Common Yellowthroat	H	
	Hermit Thrush	H	
	Yellow-bellied Sapsucker	H	
	Scarlet Tanager	H	
	American Robin	H	
	Brown-headed Cowbird	H	
M	Indigo Bunting	H	
	Red-eyed Vireo	H	
	Ovenbird	H	
	American Redstart	H	
	Downy Woodpecker	H	
M-N	Brewster's Warbler	H	In a dense deciduous thicket of saplings, a 1st generation adult male Brewster's backcross was seen on 6/16/2001. The individual was showing agitated distraction behavior. On 6/18/2001 a 1st generation Brewster's adult was seen, along with the previous individual. Also seen was a juvenile Brewster's warbler.
N	Alder Flycatcher	H	
	Cedar Waxwing	H	
	Chestnut-sided Warbler	H	
	Hooded Merganser	S	female
	Red-winged Blackbird	H	

Rose-breasted Grosbeak	H
Common Grackle	H
Yellow Warbler	H
Common Yellowthroat	H
American Robin	H
Gray Catbird	H
Yellow-bellied Sapsucker	H
Rose-breasted Grosbeak	H

Rum Hill, Central Trail Circuit 6/12/2001

A-B	Veery	H	
	Blue Jay	H	
	American Redstart	H	
	American Goldfinch	H	
C	American Robin	B	
	Downy Woodpecker	S	pair seen
	Brown Creeper	S	
	Blue Jay	H	
	Blackburnian Warbler	H	
	Mourning Dove	H	
C-D	Slate-colored Junco	S	
	American Robin	B	
	Wood Thrush	H	
	Downy Woodpecker	H	
	American Redstart	H	
	Eastern Wood-Pewee	H	
	Hermit Thrush	H	
E	Black-throated Green Warbler	H	
	Wood Thrush	H	
	American Robin	H	
	Eastern Wood-Pewee	H	
	Hermit Thrush	H	
	Baltimore Oriole	H	
	Ovenbird	H	
F	American Redstart	H	
	Ovenbird	H	
	American Crow	H	
	Yellow-rumped Warbler	H	
	Black-throated Green Warbler	H	
F-G	Eastern Wood-Pewee	H	
	Ovenbird	H	
	American Robin	H	
	Scarlet Tanager	S	
	Wood Thrush	H	
G	American Crow	H	
	American Robin	H	
	Ovenbird	H	
	Black-throated Green Warbler	H	

	Eastern Wood-Pewee	H	
	Rose-breasted Grosbeak	H	
H	American Robin	B	
	Eastern Wood-Pewee	H	
	Veery	S	distracting behavior
	Common Yellowthroat	H	
	Black-capped Chickadee	B	
I	American Robin	H	
	Hermit Thrush	H	
	Ovenbird	H	
J	American Robin	H	
	Black-throated Green Warbler	H	
	Ovenbird	H	
K	Red-eyed Vireo	H	
	Black-capped Chickadee	H	
	Ovenbird	H	
	American Robin	H	
L	American Robin	H	
	Ovenbird	H	
	Baltimore Oriole	H	
	Red-eyed Vireo	H	
	Rum Hill, Central Trail Circuit 6/19/2001		
00	Eastern Wood-Pewee	H	
	Ovenbird	H	
	Red-eyed Vireo	H	
	Black-and-white Warbler	H	
	Black-capped Chickadee	H	
00-A	Downy Woodpecker	S	seen feeding juveniles
	Baltimore Oriole	S	pair, foraging
	American Redstart	S	pair, foraging
	Dark-eyed Junco	H	
	Yellow-rumped Warbler	S	
A	Wood Thrush	H	2-3
	Yellow-rumped Warbler	H	
	Red-eyed Vireo	H	
	American Goldfinch	H	
	Common Yellowthroat	H	
	American Robin	H	
	Eastern Wood-Pewee	H	
	Least Flycatcher	H	
A-B	Yellow-bellied Sapsucker	B	male
B	White-breasted Nuthatch	H	
	American Redstart	H	
	Red-eyed Vireo	H	
	Wood Thrush	B	2
	Yellow-bellied Sapsucker	B	foraging
	Blue Jay	H	
	American Robin	B	
	Least Flycatcher	H	
B-C	Wood Thrush	S	pair

C	Red-eyed Vireo	B	
	Scarlet Tanager	H	
	Black-throated Blue Warbler	H	
	Wood Thrush	H	
	Eastern Wood-Pewee	H	
C-D	Least Flycatcher	S	foraging
	Downy Woodpecker	B	foraging with juvenile
D	(new marker)		
	Black-and-white Warbler	H	
	American Robin	B	
	Ovenbird	H	
	American Goldfinch	S	female
	Scarlet Tanager	H	
	American Redstart	H	
	Black-throated Blue Warbler	H	
	Dark-eyed Junco	H	
	(old marker)		
D	American Robin	S	pair
	American Redstart	B	2 territorial males
	Yellow-bellied Sapsucker	B	pair seen feeding young
	Scarlet Tanager	H	female
	Eastern Wood-Pewee	H	
	American Robin	B	
	Least Flycatcher	B	
D-E	White-breasted Nuthatch	B	female foraging
	Dark-eyed Junco	S	
E	Red-eyed Vireo	H	
	Eastern Wood-Pewee	H	
	American Redstart	H	
E-F	American Redstart	S	male
	American Robin	S	Fledgling
F	Ovenbird	H	
	American Redstart	H	
	Red-eyed Vireo	H	
G	no activity		
H	Ovenbird	H	
	American Goldfinch	B	
	Red-eyed Vireo	S	
I	Ovenbird	H	
I-J	American Redstart	B	
J	Black-throated Green Warbler	H	
	Ovenbird	H	
	American Redstart	H	
	Eastern Wood-Pewee	H	
	American Robin	B	pair foraging
K	Ovenbird	S	
L	Red-eyed Vireo	H	
	Black and White Warbler	B	male
M	Ovenbird	H	
N	no activity		

