

Spring 2009 Banding Summary

Metro Beach Metropark

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Permit No. 23156

INTRODUCTION

The spring of 2009 was the sixth year of a renewed banding study to eventually be compared with the previous study conducted (in spring) from 1990-1999. Net lanes required little clearing this spring, and the same locations in use since last spring were used again (see the Spring 2008 report for net locations and names). A thistle sock feeder was placed inside the “U” of the Field Nets as was done last fall, and hummingbird feeders were placed near the Field Edge net with an empty decoy feeder on the opposite side on banding days, as has been done since 2005. Due to the heavy snow over the winter, some areas of vegetation were significantly broken down, reducing the undergrowth near the Willow Nets in particular. Water levels began lower than normal early in the season, but quickly returned to typical depths, and beyond, by late April.

Temperatures were near normal in April and cooler than normal in May. There was perhaps more rain in April than normal, which refilled the swamp, but very little in late May, which resulted in the banding area becoming much less muddy than is typical, as also happened last spring. Rain, thunderstorms, and wind hampered banding efforts on only a couple days in early May.

Deer were again in evidence in the banding area, and two nets were damaged; one of the Field Nets had to be replaced with a full height net in early April and the Field Edge net was damaged in late May. Another continuing problem is vandalism where our markers for net locations keep getting removed, and this year once again lots of logs and branches were placed in our walking paths in a manner that created more than an inconvenience, but a true injury hazard.

SPRING 2009 RESULTS

Banding was conducted on 16 days between 5 April and 6 June, with nets open a total of 104.0 hours (1241.13 net hours). A total of 773 new birds of 60 species were banded, plus 226 recaptures (including 117 returnees from previous years) and 48 released unbanded, for a total of 1047 captures and a capture rate of 84.4 birds per 100 net hours. This is the second highest number of Net Hours since 2004 and also the second highest number of new birds banded, second highest total captures, and second highest capture rate. A comparison of all spring banding totals since 2004 is shown below in Table 1.

Table 1. Comparison of annual spring banding effort, capture rates, and species diversity.

Year	Days	Net Hrs.	No. Banded	No. Recaptures	Released unbanded	Total Captures	Capture Rate*	Species
'90-'99 Avg.	12	863.70	573	7	1	581	67.3	57
2004	16	666.00	575	55	49	679	102.0	66
2005	16	766.38	433	106	7	556	72.5	61
2006	20	1094.31	719	146	14	879	80.3	62
2007	17	1288.69	791	196	24	1011	78.5	65
2008	16	1315.25	657	256	31	944	71.8	60
2009	16	1241.13	773	226	48	1047	84.4	60

*Capture rate is defined as number of individuals per 100 net hours.

The peak day was 23 May with 78 birds banded (plus 23 recaptures), and the most diverse day was 8 May with 27 species. A lack of coverage for 13 days during the peak of migration in mid-May likely affected the number of birds banded, including warblers and thrushes, among others.

Breaking down the captures by net groups, there were some interesting results as well as some expected results. On a per-net basis the Field Nets were the most productive, but only slightly more productive than the Field Edge and Swamp Nets. Reduced undergrowth near the Willow Nets may account for the lower capture rate there, while the Upland Nets were often exposed to windy conditions this spring which may account for the lower capture rate there (though the Field Nets were also often exposed to wind).

Table 2. Captures by net groups.

Net Group	No. captured	% captured	% per net
Field (2.5 nets)	185	23.9%	9.6%
Field Edge (1.0 net)	66	8.5%	8.5%
Willow (2.5 nets)	118	15.3%	6.1%
Upland (3.75 nets)	186	24.1%	6.4%
Swamp (3.5 nets)	218	28.2%	8.1%

Ruby-throated Hummingbirds were not concentrated around the Field Edge net where hummingbird feeders were placed from 1 May through 6 June, as only 2 out of 6 were captured there; 2 were captured in the Field Nets, and one each in the Upland and Willow nets. But the majority of Baltimore Orioles were captured in the Field Edge net (57.1%), obviously attracted by the feeders. Yellow Warblers were captured in a variety of locations with 54% in the Field, 25% in the Upland nets, 8% in the Swamp, 8% in Willow, and 3% in the Field Edge. Most American Goldfinches (80%) were captured in the Field. Last spring, a majority of male and female Red-winged Blackbirds were captured in different net groups. This year, with a much larger number captured (a record 166), things were different as 46% of females and 45% of males were captured in the Swamp Nets, 27% of females and 19% of males were captured in the Upland Nets, and 21% of females and 14% of males were captured in the Willow Nets. Surprisingly few individuals of either sex were captured in the Field Nets, which are adjacent to cattail marsh.

Among the highlights for this spring was the first Blue-headed Vireo in spring since 1996, only the second Eastern Kingbird ever banded here and the first since spring 1999, and only the third Savannah Sparrow ever banded at the site. Other highlights included four Northern Flickers, six Alder Flycatchers, three White-eyed Vireos, nine Veeries, 28 Hermit Thrushes, and record numbers for spring of Yellow Warblers (59), American Tree Sparrows (7), Red-winged Blackbirds (166), Common Grackles (24), Baltimore Orioles (14), and American Goldfinches (55). Thrush numbers improved slightly, especially Veery and Hermit Thrush, and the 12 Swainson's Thrushes was notably above the recent average, but is still below the 1990-1999 average. A Hermit Thrush on June 5 was very unusual while a Swainson's Thrush on June 6 was almost expected. Red-eyed Vireo went uncaptured for the sixth spring in a row. Warblers were sparse though banding was not conducted on 13 days at the peak of their migration. The 135 warblers of 15 species was about 20% less than last year's fairly low numbers. Sparrow migration was generally good, but White-throated Sparrows again were in low numbers while Fox and Swamp Sparrows had a good showing. Details for individual species can be found in Table 4 below.

Breeding evidence was found for the following species: 2 Ruby-throated Hummingbirds (females), 2 Hairy Woodpeckers (male and female), 6 Downy Woodpeckers (4 males, 2 females), 2 Northern Flickers (females), 1 Alder Flycatcher (female), 2 Willow Flycatchers (males), 3 Tree Swallows (males), 4 Black-capped Chickadees (2 males, 2 females), 1 Carolina Wren (female), 4 House Wrens (3 males, 1 female), 25 American Robins (18 males, 7 females), 5 Gray Catbirds (3 males, 2 females), 40 Yellow Warblers (31 males, 9 females), 6 Common

Yellowthroats (males), 17 Song Sparrows (14 males, 3 females), 6 Swamp Sparrows (5 males, 1 female), 1 Northern Cardinal (female), 83 Red-winged Blackbirds (16 males, 67 females), 18 Common Grackles (5 males, 13 females), 14 Baltimore Orioles (10 males, 4 females), and 1 House Sparrow (female). In general, this is less than was found in the area last year, except for Red-winged Blackbirds, Common Grackles, and Baltimore Orioles which were found in greater numbers. The number birds apparently using the banding area as part (or all) of their breeding territory is amazing. Details can be found in Table 5 below. It is clear that this patch of woodland and marsh is very important to breeding birds as well as migrants.

RECAPTURES

The number of recaptures this spring was the second highest to date. These are summarized in Table 3 below. Birds banded at Metro Beach are very infrequently encountered any significant distance away from the park, so any reports of these “foreign” re-encounters are very special indeed. There are two such encounters to report. An American Goldfinch banded on 28 September 2008 as a HY-F was captured and released alive at a banding station on Walpole Island, Ontario, Canada (14.9 miles ENE of Metro Beach) on 6 June 2009. Also, the remains of a Northern Cardinal banded on 30 August 2008 as a HY-M were found “along the nature trails” within the park by a frequent visitor on 5 October 2008.

Table 3. Recaptures by year.

	Banded in 2008	Banded in 2007	Banded in 2006	Banded in 2005	Banded in 2004
2005 Recaps No. (species)	-	-	-	-	18 (8)
2006 Recaps No. (species)	-	-	-	53 (17)	9 (6)
2007 Recaps No. (species)	-	-	38 (12)	20 (8)	7 (5)
2008 Recaps No. (species)	-	61 (16)	14 (7)	25 (13)	6 (5)
2009 Recaps No. (species)	62 (14)	26 (9)	12 (8)	13 (8)	4 (4)

Details of these recaptures can be found in Tables 6-10.

WEIGHT GAINS/LOSSES

One measure of the value of an area to migrant birds is the weight gain of those birds using the area. There is much variation from day to day, and year to year, with regard to how birds use an area, the condition they’re in when they arrive, and how long they’ll tend to use an area. In spring, birds are in more of a hurry to reach breeding grounds, so stopover durations are shorter, and fewer weight gains are noted. Table 11 below provides details of weight gains and losses detected during Spring 2009. There were more birds with weight losses than gains this spring, for the first time in recent years, though the average gain was still slightly greater than the average loss. One character of this area that supports migrant birds (though very few were recaptured this spring) is the hatch of midges, which typically occurs in mid-May at the peak of migration. This year, the midge hatch occurred in early June, so this abundant food source was not available to migrants. It should be noted that weight gains of female Yellow Warblers, Song Sparrows, Swamp Sparrows, and Red-winged Blackbirds which breed in the area, is probably associated with egg formation in those females, not fat deposition.

It is clear that this small, and rather isolated patch of habitat at Metro Beach Metropark continues to be an important stopover and refueling (feeding) site for migrating birds, and an important area for breeding birds as well.

Photo highlights of this spring's banding can be found at the end of this report.

ACKNOWLEDGMENTS

I would like to thank the park superintendent, Jim Pershing, for giving us permission to band in the park, and drive our cars into a closed area. I would also like to thank the staff at the Metro Beach Nature Center for their continuing support, especially Julie Champion, Chris Becher, Nick Dicresce, and Michelle Serreyn.

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Table 4. Birds banded at Metro Beach Metropark in Spring 2009, compared with the 1990-1999 average and the 2004-2008 average (No. per 100 net hours in parentheses). **Bold black text** indicates unusual species or high numbers. **Bold red text** indicates significant declines, or significant missing species from the tally.

Species	1990-1999 Average	2004-2008 Average	2009 Totals	Returns
Virginia Rail	0.3 (0.03)	0	0	
Killdeer	0.1 (0.01)	0	0	
Solitary Sandpiper	0.1 (0.01)	0	0	
Wilson's Snipe	0.1 (0.01)	0	0	
American Woodcock	0	0.4 (0.04)	0	
Mourning Dove	0.2 (0.02)	0	0	
Black-billed Cuckoo	0.2 (0.02)	0	0	
Whip-poor-will	0.2 (0.02)	0	0	
Ruby-throated Hummingbird	0	5.8 (0.57)	6 (0.48)	
Red-bellied Woodpecker	0	0.2 (0.02)	0	
Yellow-bellied Sapsucker	0.1 (0.01)	0	0	
Downy Woodpecker	3.6 (0.42)	4.4 (0.43)	5 (0.40)	5
Hairy Woodpecker	0.2 (0.02)	0.4 (0.04)	2 (0.16)	1
Northern Flicker	0.8 (0.09)	1.4 (0.14)	4 (0.32)	
Olive-sided Flycatcher	0.2 (0.02)	0	0	
Eastern Wood-Pewee	1.4 (0.16)	0.4 (0.04)	0	
Yellow-bellied Flycatcher	14.1 (1.63)	2.2 (0.21)	0	
Acadian Flycatcher	0.3 (0.03)	0.2 (0.02)	0	
Alder Flycatcher	0.2 (0.02)	1.4 (0.14)	6 (0.48)	
Willow Flycatcher	0.1 (0.01)	2.0 (0.19)	3 (0.24)	
"Traill's" Flycatcher	6.4 (0.67)	5.0 (0.49)	3 (0.24)	
Least Flycatcher	8.0 (0.93)	2.8 (0.27)	1 (0.08)	
Eastern Phoebe	0.2 (0.02)	3.0 (0.29)	5 (0.40)	
Great Crested Flycatcher	0.7 (0.08)	0.4 (0.04)	0	
Eastern Kingbird	0.1 (0.01)	0	1 (0.08)	
White-eyed Vireo	0.7 (0.08)	1.2 (0.12)	3 (0.24)	
Blue-headed Vireo	0.6 (0.07)	0	1 (0.08)	
Warbling Vireo	5.8 (0.67)	3.2 (0.31)	3 (0.24)	1
Philadelphia Vireo	0.4 (0.05)	0.2 (0.02)	0	
Red-eyed Vireo	2.0 (0.23)	0	0	
Blue Jay	20.2 (2.34)	5.4 (0.53)	8 (0.64)	
Tree Swallow	0.2 (0.02)	2.8 (0.27)	3 (0.24)	
Northern Rough-winged Swallow	0.6 (0.07)	5.8 (0.57)	1 (0.08)	
Barn Swallow	0	1.0 (0.10)	0	
Black-capped Chickadee	3.2 (0.37)	8.8 (0.86)	1 (0.08)	11
Tufted Titmouse	0.2 (0.02)	0.4 (0.04)	0	
Brown Creeper	1.5 (0.17)	10.8 (1.05)	11 (0.89)	
Carolina Wren	0.1 (0.01)	2.2 (0.21)	0	1
House Wren	6.7 (0.78)	7.0 (0.68)	7 (0.56)	1
Winter Wren	2.9 (0.34)	2.8 (0.27)	2 (0.16)	
Sedge Wren	0.1 (0.01)	0	0	

Table 4. Continued (page 2 of 3).

Species	1990-1999 Average	2004-2008 Average	2009 Totals	Returns
Golden-crowned Kinglet	1.5 (0.17)	12.4 (1.21)	10 (0.81)	
Ruby-crowned Kinglet	25.0 (2.89)	15.0 (1.46)	11 (0.89)	
Blue-gray Gnatcatcher	1.8 (0.21)	1.0 (0.10)	0	
Veery	6.0 (0.69)	6.6 (0.64)	9 (0.73)	
Gray-cheeked Thrush	2.1 (0.24)	1.6 (0.16)	2 (0.16)	
Swainson's Thrush	15.3 (1.77)	7.2 (0.70)	12 (0.97)	
Hermit Thrush	12.7 (1.47)	13.6 (1.33)	28 (2.26)	
Wood Thrush	1.5 (0.17)	1.2 (0.12)	2 (0.16)	
American Robin	17.8 (2.06)	29.6 (2.88)	31 (2.50)	4
Gray Catbird	15.6 (1.81)	20.0 (1.95)	20 (1.61)	1
Brown Thrasher	1.3 (0.15)	1.0 (0.10)	1 (0.08)	
European Starling	2.7 (0.31)	1.4 (0.14)	0	
Cedar Waxwing	0.4 (0.05)	0.6 (0.06)	0	
Blue-winged Warbler	0.3 (0.03)	1.2 (0.12)	0	
Golden-winged Warbler	0.2 (0.02)	0.4 (0.04)	0	
"Brewster's" Warbler	0.1 (0.01)	0.2 (0.02)	0	
Tennessee Warbler	4.0 (0.46)	0.4 (0.04)	0	
Orange-crowned Warbler	0.6 (0.07)	1.8 (0.18)	0	
Nashville Warbler	3.7 (0.43)	6.2 (0.60)	7 (0.56)	
Northern Parula	0.2 (0.02)	0.2 (0.02)	0	
Yellow Warbler	26.4 (3.06)	33.0 (3.22)	59 (4.75)	20
Chestnut-sided Warbler	6.9 (0.80)	4.0 (0.39)	1 (0.08)	
Magnolia Warbler	26.4 (3.06)	19.0 (1.85)	5 (0.40)	
Cape May Warbler	0.7 (0.08)	0	0	
Black-throated Blue Warbler	3.4 (0.39)	2.0 (0.19)	0	
Yellow-rumped Warbler	15.5 (1.79)	7.0 (0.68)	8 (0.64)	
Black-throated Green Warbler	1.1 (0.13)	3.0 (0.29)	2 (0.16)	
Blackburnian Warbler	0.8 (0.09)	1.2 (0.12)	0	
Prairie Warbler	0	0.2 (0.02)	0	
(Western) Palm Warbler	1.5 (0.17)	2.2 (0.21)	1 (0.08)	
(Yellow) Palm Warbler	0.1 (0.01)	0.2 (0.02)	0	
Bay-breasted Warbler	1.0 (0.12)	0	0	
Blackpoll Warbler	0.5 (0.06)	0	0	
Black-and-white Warbler	3.9 (0.45)	5.2 (0.51)	1 (0.08)	
Hybrid Warbler (BAWWxGWWA?)	0	0.2 (0.02)	0	
American Redstart	16.0 (1.85)	5.0 (0.49)	4 (0.32)	
Worm-eating Warbler	0	0.2 (0.02)	0	
Prothonotary Warbler	0.1 (0.01)	0	0	
Ovenbird	7.4 (0.86)	8.8 (0.86)	8 (0.64)	
Northern Waterthrush	7.1 (0.82)	10.6 (1.03)	8 (0.64)	
Louisiana Waterthrush	0	0.2 (0.02)	0	
Connecticut Warbler	0.2 (0.02)	0	0	
Mourning Warbler	5.5 (0.64)	4.2 (0.41)	3 (0.24)	
Common Yellowthroat	29.4 (3.40)	24.0 (2.34)	13 (1.05)	6

Table 4. Continued (page 3 of 3).

Species	1990-1999 Average	2004-2008 Average	2009 Totals	Returns
Wilson's Warbler	13.5 (1.56)	10.6 (1.03)	13 (1.05)	
Canada Warbler	6.9 (0.80)	5.4 (0.53)	2 (0.16)	
Hooded Warbler	0.1 (0.01)	0.4 (0.04)	0	
Yellow-breasted Chat	0.5 (0.06)	0	0	
Scarlet Tanager	0.2 (0.02)	0.2 (0.02)	0	
Northern Cardinal	5.3 (0.61)	8.2 (0.80)	5 (0.40)	3
Rose-breasted Grosbeak	1.9 (0.20)	0.6 (0.06)	0	
Indigo Bunting	0.6 (0.07)	1.2 (0.12)	0	
Eastern Towhee	0.2 (0.02)	0.2 (0.02)	1 (0.08)	
American Tree Sparrow	0.3 (0.03)	1.8 (0.18)	7 (0.56)	
Field Sparrow	0.2 (0.02)	0.2 (0.02)	0	
Savannah Sparrow	0.1 (0.01)	0.2 (0.02)	1 (0.08)	
Fox Sparrow	0.1 (0.01)	3.4 (0.33)	5 (0.40)	
Song Sparrow	11.8 (1.37)	20.6 (2.01)	26 (2.09)	17
Lincoln's Sparrow	13.3 (1.54)	10.4 (1.01)	6 (0.48)	
Swamp Sparrow	54.0 (6.25)	43.4 (4.23)	63 (5.08)	1
White-throated Sparrow	36.4 (4.21)	75.0 (7.31)	51 (4.11)	
White-crowned Sparrow	1.9 (0.22)	5.0 (0.49)	1 (0.08)	
Dark-eyed Junco	0.1 (0.01)	1.2 (0.12)	1 (0.08)	
Red-winged Blackbird	31.1 (3.60)	53.6 (5.22)	166 (13.37)	17
Rusty Blackbird	0.6 (0.07)	0.6 (0.06)	0	
Common Grackle	7.8 (0.90)	15.2 (1.48)	24 (1.93)	1
Brown-headed Cowbird	5.9 (0.68)	7.2 (0.70)	8 (0.64)	4
Baltimore Oriole	4.9 (0.57)	8.8 (0.86)	14 (1.13)	4
House Finch	1.6 (0.19)	1.0 (0.10)	0	
American Goldfinch	24.7 (2.86)	29.2 (2.85)	55 (4.43)	19
House Sparrow	0.5 (0.06)	0	2 (0.16)	

Table 5. Breeding Evidence of Birds captured at Metro Beach Metropark in Spring 2009.
(BP=Brood Patch, CP=Cloacal Protuberance, 1=min., 3=max.)

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Ruby-throated Hummingbird	AHY-F	H3100-11153	25-May-09	-	BP=2, egg	F
Ruby-throated Hummingbird	AHY-F	H3100-11154	25-May-09	-	BP=2	F
Hairy Woodpecker	ASY-M	1232-43622	25-May-09	-	BP=3	SW
Hairy Woodpecker	SY-F	1232-43630	05-Jun-09	-	BP=3	SW
Downy Woodpecker	3Y-M	2281-10206	29-Jul-07	25-Apr-09	BP=2	-/SW
Downy Woodpecker	SY-M	2431-38019	08-May-09	25-May-09 05-Jun-09	BP=3 BP=3	U/FE W
Downy Woodpecker	SY-M	2431-38077	25-May-09	-	BP=3	F
Downy Woodpecker	SY-M	2431-38078	25-May-09	-	BP=3	F
Downy Woodpecker	A6Y-F	2251-02702	09-Oct-05	02-May-09 23-May-09 05-Jun-09	BP=3, egg BP=3 BP=3	-/U U W
Downy Woodpecker	SY-F	2431-38014	02-May-09	-	BP=1	W
Northern Flicker	SY-F	1603-41618	06-Jun-09	-	BP=2	U
Northern Flicker	SY-F	1603-41622	06-Jun-09	-	BP=3	U
Alder Flycatcher	SY-F	2560-75057	06-Jun-09	-	BP=1?	FE
Willow Flycatcher	AHY-M	2560-75042	25-May-09	29-May-09 06-Jun-09	- CP=2	F/F F
Willow Flycatcher	AHY-M	2560-75066	06-Jun-09	-	CP=3	F
Tree Swallow	AHY-M	2391-16039	17-Apr-09	-	CP=2	U
Tree Swallow	AHY-M	2391-16040	17-Apr-09	-	CP=2	U
Tree Swallow	AHY-M	2391-16168	25-May-09	-	CP=3	FE
Black-capped Chickadee	ASY-M	2500-25773	06-Sep-08	11-Apr-09 23-May-09 25-May-09	CP=2 CP=2 -	W/W W SW
Black-capped Chickadee	SY-M	2540-26538	23-Oct-08	05-Apr-09 24-Apr-09 05-Jun-09	- - CP=2	U/U W F
Black-capped Chickadee	7Y-F	2190-67251	04-Apr-04	08-May-09	BP=3, egg	-/W
Black-capped Chickadee	3Y-F	2360-85770	09-Sep-07	23-May-09 25-May-09 05-Jun-09	BP=3 BP=3 BP=3	-/SW SW SW
Carolina Wren	A4Y-F	2251-03130	22-May-06	06-Jun-09	BP=2	-/W
House Wren	AHY-M	2540-26686	10-May-09	25-May-09 05-Jun-09	CP=3 CP=3	SW/SW U
House Wren	AHY-M	2560-75033	23-May-09	25-May-09	CP=3	W/U
House Wren	AHY-M	2560-75048	29-May-09	-	CP=3	SW
House Wren	AHY-F	2560-75072	06-Jun-09	-	BP=3, egg	W
American Robin	A7Y-M	0842-29086	18-Apr-04	29-May-09	CP=3	-/W
American Robin	ASY-M	1232-43401	05-Jun-08	18-Apr-09	CP=3	SW/SW
American Robin	AHY-M	1232-43557	25-Apr-09	-	BP=3	SW
American Robin	AHY-M	1232-43587	08-May-09	-	CP=3	SW
American Robin	AHY-M	1232-43591	08-May-09	-	CP=3	SW
American Robin	AHY-M	1232-43615	23-May-09	-	CP=3	F
American Robin	AHY-M	1232-43619	25-May-09	-	CP=3	U
American Robin	AHY-M	1232-43623	25-May-09	-	CP=3	SW

Table 5. Continued (page 2 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
American Robin	AHY-M	1232-43625	25-May-09	-	CP=3	W
American Robin	AHY-M	1232-43632	05-Jun-09	-	CP=3	U
American Robin	AHY-M	1232-43633	05-Jun-09	-	CP=3	SW
American Robin	AHY-M	1232-43634	05-Jun-09	-	CP=3	SW
American Robin	AHY-M	1232-43636	06-Jun-09	-	CP=3	U
American Robin	AHY-M	1232-43638	06-Jun-09	-	CP=3	U
American Robin	AHY-M	1232-43641	06-Jun-09	-	CP=2	SW
American Robin	AHY-M	1232-43642	06-Jun-09	-	CP=3	SW
American Robin	SY-M	1232-43490	05-Apr-09	-	CP=2	SW
American Robin	SY-M	1232-43643	06-Jun-09	-	CP=3	SW
American Robin	ASY-F	1222-87064	16-Apr-08	23-May-09	BP=3	U/U
American Robin	3Y-F	1232-01217	30-Apr-08	18-Apr-09 06-Jun-09	- BP=3	SW/U U
American Robin	AHY-F	1232-43538	18-Apr-09	23-May-09	BP=3	U/W
American Robin	AHY-F	1232-43603	23-May-09	25-May-09 29-May-09	BP=3 BP=3	SW/U SW
American Robin	AHY-F	1232-43607	23-May-09	05-Jun-09	BP=3	F/F
American Robin	AHY-F	1232-43614	23-May-09	-	BP=3	F
American Robin	AHY-F	1232-43644	06-Jun-09	-	BP=3	U
Gray Catbird	ASY-M	2231-53442	23-May-09	-	CP=3	U
Gray Catbird	SY-M	1991-96140	13-Aug-08	05-Jun-09	CP=2	W
Gray Catbird	SY-M	2231-53445	23-May-09	29-May-09	CP=3	W/FE
Gray Catbird	SY-F	2231-53440	23-May-09	25-May-09 05-Jun-09 06-Jun-09	BP=2 BP=2 BP=2	F/F F U
Gray Catbird	SY-F	2231-53447	23-May-09	25-May-09 05-Jun-09	- BP=3	FE/F FE
Yellow Warbler	6Y-M	2360-85011	14-May-05	08-May-09	CP=3	-/F
Yellow Warbler	5Y-M	2360-85342	23-May-06	05-Jun-09	CP=3	-/SW
Yellow Warbler	4Y-M	2360-85543	03-May-07	08-May-09 05-Jun-09	- CP=3	-/F F
Yellow Warbler	4Y-M	2360-85550	05-May-07	05-Jun-09	CP=3	-/SW
Yellow Warbler	4Y-M	2360-85574	11-May-07	02-May-09 23-May-09 25-May-09	CP=2 CP=3 CP=3	-/FE F FE
Yellow Warbler	4Y-M	2360-85609	13-May-07	25-May-09 29-May-09 05-Jun-09	CP=3 CP=3 CP=3	-/U F W
Yellow Warbler	A3Y-M	2360-85907	12-May-08	02-May-09 08-May-09 10-May-09	CP=2 - CP=3	U/U U U
Yellow Warbler	3Y-M	2360-85889	12-May-08	29-May-09	CP=3	SW/FE
Yellow Warbler	3Y-M	2360-85958	21-May-08	10-May-09	CP=2	U/W
Yellow Warbler	3Y-M	2360-85984	30-May-08	08-May-09	CP=3	F/F
Yellow Warbler	ASY-M	2540-26664	08-May-09	-	CP=3	U
Yellow Warbler	ASY-M	2540-26675	10-May-09	-	CP=3	U
Yellow Warbler	ASY-M	2560-75026	23-May-09	-	CP=3	U

Table 5. Continued (page 3 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Yellow Warbler	ASY-M	2560-75068	06-Jun-09	-	CP=3	SW
Yellow Warbler	ASY-M	2560-75073	06-Jun-09	-	CP=3	W
Yellow Warbler	SY-M	2540-26632	02-May-09	-	CP=2	W
Yellow Warbler	SY-M	2540-26659	08-May-09	10-May-09 29-May-09	CP=2 CP=3	U/U U
Yellow Warbler	SY-M	2540-26663	08-May-09	-	CP=3	F
Yellow Warbler	SY-M	2540-26666	08-May-09	-	CP=2	F
Yellow Warbler	SY-M	2540-26672	10-May-09	-	CP=2	U
Yellow Warbler	SY-M	2560-75030	23-May-09	-	CP=3	U
Yellow Warbler	SY-M	2560-75038	25-May-09	-	CP=3	U
Yellow Warbler	SY-M	2560-75044	25-May-09	-	CP=3	W
Yellow Warbler	SY-M	2560-75045	29-May-09	-	CP=3	F
Yellow Warbler	SY-M	2560-75055	29-May-09	-	CP=3	U
Yellow Warbler	SY-M	2560-75059	05-Jun-09	-	CP=3	FE
Yellow Warbler	SY-M	2560-75060	05-Jun-09	-	CP=3	SW
Yellow Warbler	SY-M	2560-75061	05-Jun-09	-	CP=3	F
Yellow Warbler	SY-M	2560-75069	06-Jun-09	-	CP=3	U
Yellow Warbler	SY-M	2560-75070	06-Jun-09	-	CP=3	F
Yellow Warbler	SY-M	2560-75071	06-Jun-09	-	CP=3	F
Yellow Warbler	3Y-F	2360-85855	05-May-08	02-May-09 05-Jun-09	- BP=3	FE/FE FE
Yellow Warbler	3Y-F	2360-85878	09-May-08	05-Jun-09	BP=3	U/W
Yellow Warbler	3Y-F	2360-85940	19-May-08	09-May-09 05-Jun-09	- BP=3	F/F W
Yellow Warbler	SY-F	2540-26651	08-May-09	23-May-09	BP=3, egg	U/U
Yellow Warbler	SY-F	2560-75023	23-May-09	25-May-09	BP=3, egg	F/F
Yellow Warbler	SY-F	2560-75025	23-May-09	-	BP=2	F
Yellow Warbler	SY-F	2560-75032	23-May-09	25-May-09	BP=3, egg	U/U
Yellow Warbler	SY-F	2560-75051	29-May-09	-	BP=2	FE
Yellow Warbler	SY-F	2560-75067	06-Jun-09	-	BP=3	W
Common Yellowthroat	A3Y-M	2360-85743	31-Aug-07	23-May-09 25-May-09	- CP=3	-/F F
Common Yellowthroat	ASY-M	2360-85986	30-May-08	23-May-09	CP=3	F/F
Common Yellowthroat	AHY-M	2560-75046	29-May-09	-	CP=3	U
Common Yellowthroat	AHY-M	2560-75052	29-May-09	-	CP=3	F
Common Yellowthroat	AHY-M	2560-75056	05-Jun-09	-	CP=2	U
Common Yellowthroat	SY-M	2500-25633	13-Aug-08	23-May-09 25-May-09 29-May-09	- CP=3 CP=3	W/F F F
Song Sparrow	A5Y-M	1961-11683	25-May-05	29-May-09	CP=3	-/U
Song Sparrow	A4Y-M	2251-03170	16-Aug-06	30-Apr-09	CP=2	-/FE
Song Sparrow	4Y-M	2251-03174	16-Aug-06	25-Apr-09 29-May-09	CP=2 CP=3	-/U U
Song Sparrow	4Y-M	2251-44420	29-Sep-06	02-May-09 05-Jun-09	CP=3 CP=3	-/W W

Table 5. Continued (page 4 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Song Sparrow	A3Y-M	2281-10323	24-Sep-07	05-Apr-09 17-Apr-09 25-Apr-09 10-May-09	- - CP=3 CP=3	-/F W W W
Song Sparrow	A3Y-M	2281-10614	18-Apr-08	08-May-09	CP=3	F/U
Song Sparrow	3Y-M	2281-10213	16-Aug-07	18-Apr-09 24-Apr-09	CP=2 -	-/FE FE
Song Sparrow	ASY-M	2431-25923	05-Apr-09	18-Apr-09	CP=3	FE/SW
Song Sparrow	ASY-M	2431-38008	30-Apr-09	02-May-09	CP=2	F/U
Song Sparrow	SY-M	2281-10716	09-Aug-08	05-Jun-09 06-Jun-09	CP=3 CP=3	F/U U
Song Sparrow	SY-M	2281-10726	09-Aug-08	17-Apr-09 02-May-09	- CP=3	F/F FE
Song Sparrow	SY-M	2281-10739	13-Aug-08	17-Apr-09	CP=2	W/F
Song Sparrow	SY-M	2431-25922	05-Apr-09	11-Apr-09 09-May-09	- CP=2	F/F FE
Song Sparrow	SY-M	2431-25967	24-Apr-09	-	CP=2	U
Song Sparrow	ASY-F	2281-10711	05-Jun-08	02-May-09 06-Jun-09	- BP=3	W/W W
Song Sparrow	ASY-F	2431-38069	23-May-09	29-May-09	BP=3	U/U
Song Sparrow	AHY-F	2431-38080	06-Jun-09	-	BP=3	F
Swamp Sparrow	ASY-M	2391-16144	10-May-09	-	CP=3	F
Swamp Sparrow	AHY-M	2391-16085	30-Apr-09	02-May-09	CP=2	F/W
Swamp Sparrow	SY-M	2391-16061	05-Apr-09	-	CP=3	F
Swamp Sparrow	SY-M	2391-16107	02-May-09	-	CP=3	F
Swamp Sparrow	SY-M	2391-16109	02-May-09	23-May-09 29-May-09	CP=3 CP=3	FE/FE FE
Swamp Sparrow	ASY-F	2391-16069	25-Apr-09	-	BP=2	W
Northern Cardinal	AHY-F	1232-43512	17-Apr-09	25-May-09 29-May-09	BP=3 BP=3	F/FE U
Red-winged Blackbird	4Y-M	1222-43049	31-May-07	06-Jun-09	CP=3	-/F
Red-winged Blackbird	A3Y-M	1232-01212	24-Apr-08	05-Jun-09	CP=2	W/F
Red-winged Blackbird	ASY-M	1232-43558	25-Apr-09	-	CP=2	SW
Red-winged Blackbird	ASY-M	1232-43567	30-Apr-09	-	CP=3	SW
Red-winged Blackbird	ASY-M	1232-43629	05-Jun-09	-	CP=2	U
Red-winged Blackbird	SY-M	1232-43485	05-Apr-09	17-Apr-09 29-May-09	- CP=1	W/U SW
Red-winged Blackbird	SY-M	1232-43519	17-Apr-09	05-Jun-09	CP=2	W/SW
Red-winged Blackbird	SY-M	1232-43555	24-Apr-09	-	CP=2	U
Red-winged Blackbird	SY-M	1232-43604	23-May-09	-	CP=3	SW
Red-winged Blackbird	SY-M	1232-43605	23-May-09	-	CP=3	SW
Red-winged Blackbird	SY-M	1232-43608	23-May-09	-	CP=3	SW
Red-winged Blackbird	SY-M	1232-43611	23-May-09	-	CP=3	SW
Red-winged Blackbird	SY-M	1232-43613	23-May-09	-	CP=2	U
Red-winged Blackbird	SY-M	1232-43621	25-May-09	-	CP=3	SW
Red-winged Blackbird	SY-M	1232-43624	25-May-09	-	CP=3	U
Red-winged Blackbird	SY-M	1232-43626	25-May-09	-	CP=2	FE

Table 5. Continued (page 5 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Red-winged Blackbird	A6Y-F	8101-31439	27-May-05	06-Jun-09	BP=3	-/U
Red-winged Blackbird	A5Y-F	1991-00908	28-May-06	29-May-09	BP=3	-/FE
Red-winged Blackbird	A5Y-F	1991-00914	01-Jun-06	23-May-09	BP=3	-/SW
Red-winged Blackbird	5Y-F	1991-01100	23-May-06	25-May-09	BP=3	-/F
Red-winged Blackbird	A4Y-F	1991-65125	28-Apr-07	05-Jun-09	BP=3	-/W
Red-winged Blackbird	A4Y-F	1991-65157	11-May-07	05-Jun-09	BP=3	-/SW
Red-winged Blackbird	A4Y-F	1991-65165	12-May-07	05-Jun-09 06-Jun-09	BP=3 BP=3	-/SW SW
Red-winged Blackbird	A3Y-F	1991-65256	16-Apr-08	29-May-09	BP=3	U/F
Red-winged Blackbird	A3Y-F	1991-65270	09-May-08	08-May-09	BP=2	U/U
Red-winged Blackbird	A3Y-F	1991-96117	30-May-08	23-May-09	BP=3	SW/SW
Red-winged Blackbird	ASY-F	2231-53444	23-May-09	-	BP=2	W
Red-winged Blackbird	ASY-F	2231-53446	23-May-09	25-May-09	BP=3, egg	W/U
Red-winged Blackbird	ASY-F	2231-53450	23-May-09	-	BP=3	W
Red-winged Blackbird	ASY-F	2231-53451	23-May-09	-	BP=3	SW
Red-winged Blackbird	ASY-F	2231-53455	23-May-09	-	BP=3	SW
Red-winged Blackbird	ASY-F	2231-53456	23-May-09	-	BP=3, egg	SW
Red-winged Blackbird	ASY-F	2231-53457	23-May-09	-	BP=3	SW
Red-winged Blackbird	ASY-F	2231-53459	23-May-09	-	BP=3	SW
Red-winged Blackbird	ASY-F	2231-53462	23-May-09	-	BP=3	SW
Red-winged Blackbird	ASY-F	2231-53475	25-May-09	-	BP=3	W
Red-winged Blackbird	ASY-F	2231-53481	29-May-09	-	BP=3	U
Red-winged Blackbird	ASY-F	2231-53483	29-May-09	-	BP=3	SW
Red-winged Blackbird	ASY-F	2231-53485	29-May-09	-	BP=3	W
Red-winged Blackbird	ASY-F	2231-53490	29-May-09	-	BP=3	W
Red-winged Blackbird	ASY-F	2231-53491	29-May-09	-	BP=3	U
Red-winged Blackbird	ASY-F	2231-53493	29-May-09	-	BP=3	W
Red-winged Blackbird	ASY-F	2231-53494	05-Jun-09	-	BP=3	U
Red-winged Blackbird	ASY-F	2231-53498	05-Jun-09	-	BP=3	SW
Red-winged Blackbird	ASY-F	2231-53502	05-Jun-09	06-Jun-09	BP=3	SW/SW
Red-winged Blackbird	ASY-F	2231-53504	05-Jun-09	-	BP=3	SW
Red-winged Blackbird	ASY-F	2231-53506	05-Jun-09	-	BP=3	U
Red-winged Blackbird	ASY-F	2231-53507	05-Jun-09	-	BP=3	W
Red-winged Blackbird	ASY-F	2231-53514	05-Jun-09	-	BP=3	SW
Red-winged Blackbird	ASY-F	2231-53517	05-Jun-09	-	BP=3	W
Red-winged Blackbird	ASY-F	2231-53518	05-Jun-09	-	BP=3	SW
Red-winged Blackbird	ASY-F	2231-53520	06-Jun-09	-	BP=3	U
Red-winged Blackbird	ASY-F	2231-53523	06-Jun-09	-	BP=3	U
Red-winged Blackbird	ASY-F	2231-52526	06-Jun-09	-	BP=3	U
Red-winged Blackbird	SY-F	2231-53441	23-May-09	-	BP=3	U
Red-winged Blackbird	SY-F	2231-53454	23-May-09	-	BP=3	SW
Red-winged Blackbird	SY-F	2231-53458	23-May-09	-	BP=3	SW
Red-winged Blackbird	SY-F	2231-53463	23-May-09	-	BP=3	W
Red-winged Blackbird	SY-F	2231-53464	23-May-09	-	BP=3	SW
Red-winged Blackbird	SY-F	2231-53465	23-May-09	-	BP=3	W
Red-winged Blackbird	SY-F	2231-53474	25-May-09	-	BP=3	SW
Red-winged Blackbird	SY-F	2231-53477	25-May-09	-	BP=3	W

Table 5. Continued (page 6 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Red-winged Blackbird	SY-F	2231-53478	25-May-09	-	BP=3	SW
Red-winged Blackbird	SY-F	2231-53484	29-May-09	-	BP=3	W
Red-winged Blackbird	SY-F	2231-53486	29-May-09	-	BP=3	SW
Red-winged Blackbird	SY-F	2231-53487	29-May-09	-	BP=3	W
Red-winged Blackbird	SY-F	2231-53489	29-May-09	-	BP=3	SW
Red-winged Blackbird	SY-F	2231-53495	05-Jun-09	06-Jun-09	BP=3	U/W
Red-winged Blackbird	SY-F	2231-53496	05-Jun-09	-	BP=3	U
Red-winged Blackbird	SY-F	2231-53499	05-Jun-09	-	BP=3	SW
Red-winged Blackbird	SY-F	2231-53500	05-Jun-09	-	BP=3	U
Red-winged Blackbird	SY-F	2231-53501	05-Jun-09	-	BP=3	SW
Red-winged Blackbird	SY-F	2231-53503	05-Jun-09	-	BP=3	SW
Red-winged Blackbird	SY-F	2231-53505	05-Jun-09	-	BP=3	U
Red-winged Blackbird	SY-F	2231-53510	05-Jun-09	-	BP=3	SW
Red-winged Blackbird	SY-F	2231-53511	05-Jun-09	-	BP=3	SW
Red-winged Blackbird	SY-F	2231-53512	05-Jun-09	-	BP=3	U
Red-winged Blackbird	SY-F	2231-53513	05-Jun-09	-	BP=3	U
Red-winged Blackbird	SY-F	2231-53515	05-Jun-09	-	BP=3	SW
Red-winged Blackbird	SY-F	2231-53516	05-Jun-09	-	BP=3	SW
Red-winged Blackbird	SY-F	2231-53521	06-Jun-09	-	BP=3	SW
Red-winged Blackbird	SY-F	2231-53524	06-Jun-09	-	BP=3	SW
Red-winged Blackbird	SY-F	2231-53527	06-Jun-09	-	BP=3, egg	U
Common Grackle	5Y-M	1433-72796	12-May-06	23-May-09	CP=3	-/U
Common Grackle	ASY-M	1603-41611	29-May-09	-	CP=2	SW
Common Grackle	ASY-M	1603-41621	06-Jun-09	-	CP=3	U
Common Grackle	SY-M	1603-41614	05-Jun-09	-	CP=3	SW
Common Grackle	SY-M	1603-41615	05-Jun-09	-	CP=3	SW
Common Grackle	ASY-F	1603-41606	25-May-09	-	BP=3	SW
Common Grackle	ASY-F	1603-41616	05-Jun-09	-	CP=3	U
Common Grackle	SY-F	1603-19697	08-May-09	-	BP=3	W
Common Grackle	SY-F	1603-41602	23-May-09	25-May-09	BP=3	W/SW
Common Grackle	SY-F	1603-41603	23-May-09	-	BP=3	W
Common Grackle	SY-F	1603-41604	23-May-09	-	BP=3	SW
Common Grackle	SY-F	1603-41607	25-May-09	-	BP=3	U
Common Grackle	SY-F	1603-41608	25-May-09	-	BP=3	SW
Common Grackle	SY-F	1603-41609	29-May-09	-	BP=3, egg	W
Common Grackle	SY-F	1603-41610	29-May-09	-	BP=3, egg	SW
Common Grackle	SY-F	1603-41612	05-Jun-09	-	BP=3	SW
Common Grackle	SY-F	1603-41617	05-Jun-09	-	BP=3	SW
Common Grackle	SY-F	1603-41620	06-Jun-09	-	BP=3, egg	U
Baltimore Oriole	A4Y-M	1991-65172	13-May-07	25-May-09	CP=3	-/FE
Baltimore Oriole	ASY-M	2231-53453	23-May-09	-	CP=3	F
Baltimore Oriole	ASY-M	2231-53471	25-May-09	-	CP=2	FE
Baltimore Oriole	ASY-M	2231-53473	25-May-09	-	CP=3	FE
Baltimore Oriole	ASY-M	2231-53488	29-May-09	-	CP=3	FE
Baltimore Oriole	ASY-M	2231-53509	05-Jun-09	-	CP=3	FE
Baltimore Oriole	SY-M	2231-53479	25-May-09	-	CP=3	FE

Table 5. Continued (page 7 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Baltimore Oriole	SY-M	2231-53480	29-May-09	-	CP=3	FE
Baltimore Oriole	SY-M	2231-53461	23-May-09	25-May-09	CP=3	W/FE
Baltimore Oriole	SY-M	2231-53519	06-Jun-09	-	CP=3	F
Baltimore Oriole	7Y-F	8101-31323	23-May-04	25-May-09	BP=3	-/FE
Baltimore Oriole	ASY-F	1991-96104	19-May-08	08-May-09 29-May-09 06-Jun-09	- BP=3 BP=3	FE/U FE FE
Baltimore Oriole	SY-F	2231-53469	23-May-09	-	BP=3	F
Baltimore Oriole	SY-F	2231-53508	05-Jun-09	-	BP=3	FE
House Sparrow	AHY-F	2431-38013	30-Apr-09	-	BP=3	W

Table 6. Returning birds banded in 2004.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc
Hairy Woodpecker	1152-09385	23-May-04	ASY-F	17-Apr-09	A7Y-F	U
Black-capped Chickadee	2190-67251	04-Apr-04	SY-U	08-May-09	7Y-F	W
American Robin	0842-29086	18-Apr-04	ASY-U	29-May-09	A7Y-M	W
Baltimore Oriole	8101-31323	23-May-04	SY-F	25-May-09	7Y-F	FE

Table 7. Returning birds banded in 2005.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc
Downy Woodpecker	2251-02702	09-Oct-05	ASY-F	02-May-09	A6Y-M	U
				23-May-09		U
				05-Jun-09		W
Black-capped Chickadee	2190-67476	03-Apr-05	SY-U	17-Apr-09	6Y-F	SW
Black-capped Chickadee	2360-85139	21-Aug-05	HY-U	24-Apr-09	5Y-F	W
Black-capped Chickadee	2360-85187	04-Oct-05	HY-U	23-May-09	5Y-M	U
House Wren	2360-85134	21-Aug-05	AHY-F	10-May-09	A5Y-F	U
Yellow Warbler	2360-85011	14-May-05	SY-M	08-May-09	6Y-M	F
Yellow Warbler	2360-85060	25-May-05	SY-F	10-May-09	6Y-F	F
Song Sparrow	1961-11682	25-May-05	AHY-F	02-May-09	A5Y-F	F
Song Sparrow	1961-11683	25-May-05	AHY-M	29-May-09	A5Y-M	U
Northern Cardinal	8101-31400	01-May-05	AHY-M	08-May-09	A5Y-M	W
Northern Cardinal	8101-31466	20-Aug-05	HY-M	10-May-09	5Y-M	U
Red-winged Blackbird	8101-31439	27-May-05	ASY-F	06-Jun-09	A6Y-F	U
American Goldfinch	1671-11428	07-May-05	SY-F	30-Apr-09	6Y-F	F
				23-May-09		F

Table 8. Returning birds banded in 2006.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc
Black-capped Chickadee	2360-85413	25-Aug-06	HY-U	11-Apr-09	3Y-F	SW
Carolina Wren	2251-03130	22-May-06	AHY-U	06-Jun-09	A4Y-F	W
Yellow Warbler	2360-85342	23-May-06	SY-M	05-Jun-09	5Y-M	SW
Song Sparrow	2251-03170	16-Aug-06	AHY-U	30-Apr-09	A4Y-M	FE
Song Sparrow	2251-03174	16-Aug-06	HY-U	25-Apr-09	3Y-M	U
				29-May-09		
Song Sparrow	2251-44420	29-Sep-06	HY-U	02-May-09	3Y-F	W
				05-Jun-09		W
Red-winged Blackbird	1991-01100	23-May-06	SY-F	25-May-09	5Y-F	F
Red-winged Blackbird	1991-00908	28-May-06	ASY-F	29-May-09	A5Y-F	FE
Red-winged Blackbird	1991-00914	01-Jun-06	ASY-F	23-May-09	A5Y-F	SW
Common Grackle	1433-72796	12-May-06	SY-M	23-May-09	5Y-M	U
Baltimore Oriole	1991-00911	01-Jun-06	ASY-M	08-May-09	A5Y-M	U
American Goldfinch	1921-32172	15-May-06	SY-M	23-May-09	5Y-M	F

Table 9. Returning birds banded in 2007.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc
Downy Woodpecker	2281-10206	29-Jul-07	HY-M	25-Apr-09	3Y-M	SW
Black-capped Chickadee	2360-85770	09-Sep-07	HY-U	23-May-09 25-May-09 05-Jun-09	3Y-F	SW SW SW
Yellow Warbler	2360-85543	03-May-07	SY-M	08-May-09 05-Jun-09	4Y-M	F F
Yellow Warbler	2360-85550	05-May-07	SY-M	05-Jun-09	4Y-M	SW
Yellow Warbler	2360-85574	11-May-07	SY-M	02-May-09 23-May-09 25-May-09	4Y-M	FE F FE
Yellow Warbler	2360-85609	13-May-07	SY-M	25-May-09 29-May-09 05-Jun-09	4Y-M	U F W
Yellow Warbler	2360-85702	29-Jul-07	HY-U	30-Apr-09	3Y-M	F
Common Yellowthroat	2360-85743	31-Aug-07	AHY-M	23-May-09 25-May-09	A3Y-M	F F
Common Yellowthroat	2360-85749	31-Aug-07	AHY-F	23-May-09 25-May-09	A3Y-F	F F
Song Sparrow	2281-10017	31-Mar-07	ASY-U	11-Apr-09 30-Apr-09 02-May-09 10-May-09	A4Y-F	F F F F
Song Sparrow	2281-10167	14-May-07	ASY-M	11-Apr-09	A4Y-M	F
Song Sparrow	2281-10213	16-Aug-07	HY-U	18-Apr-09 24-Apr-09	3Y-M	FE FE
Song Sparrow	2281-10214	16-Aug-07	HY-U	24-Apr-09 08-May-09	3Y-F	W U
Song Sparrow	2281-10323	24-Sep-07	AHY-U	05-Apr-09 17-Apr-09 25-Apr-09 10-May-09	A3Y-M	F W W W
Red-winged Blackbird	1991-65125	28-Apr-07	ASY-F	05-Jun-09	A4Y-F	W
Red-winged Blackbird	1991-65157	11-May-07	ASY-F	05-Jun-09	A4Y-F	SW
Red-winged Blackbird	1991-65165	12-May-07	ASY-F	05-Jun-09 06-Jun-09	A4Y-F	SW SW
Red-winged Blackbird	1222-43049	31-May-07	SY-M	06-Jun-09	4Y-M	F
Brown-headed Cowbird	2281-10040	20-Apr-07	SY-F	10-May-09	4Y-F	SW
Brown-headed Cowbird	2281-10046	21-Apr-07	ASY-F	30-Apr-09 02-May-09	A4Y-F	U F
Baltimore Oriole	1991-65172	13-May-07	ASY-M	25-May-09	A4Y-M	FE
American Goldfinch	1601-24750	14-Apr-07	SY-F	24-Apr-09	4Y-F	F
American Goldfinch	1601-24798	21-Apr-07	SY-M	11-Apr-09	4Y-M	F
American Goldfinch	2311-28868	01-Jun-07	SY-M	17-Apr-09	4Y-M	F
American Goldfinch	2311-28877	16-Aug-07	SY-M	11-Apr-09	4Y-M	F
American Goldfinch	2311-28890	31-Aug-07	HY-F	17-Apr-09	3Y-F	F

Table 10. Returning birds banded in 2008.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc
Downy Woodpecker	2281-10613	18-Apr-08	SY-F	17-Apr-09	3Y-F	SW
Downy Woodpecker	2281-10744	13-Aug-08	HY-M	11-Apr-09	SY-M	FE
Downy Woodpecker	2291-90854	11-Oct-08	ASY-M	10-May-09	A3Y-M	U
Warbling Vireo	2360-85859	05-May-08	AHY-U	10-May-09	A2Y-U	U
Black-capped Chickadee	2360-85843	12-Apr-08	AHY-U	11-Apr-09	A2Y-U	SW
Black-capped Chickadee	2360-85845	20-Apr-08	AHY-U	17-Apr-09	A2Y-U	SW
Black-capped Chickadee	2500-25773	06-Sep-08	AHY-U	11-Apr-09 23-May-09 25-May-09	A2Y-M	W W SW
Black-capped Chickadee	2540-26538	23-Oct-08	HY-U	05-Apr-09 24-Apr-09 05-Jun-09	2Y-U	U W F
Black-capped Chickadee	2540-26539	23-Oct-08	HY-U	11-Apr-09	2Y-U	F
American Robin	1222-87064	16-Apr-08	AHY-F	23-May-09	A2Y-F	U
American Robin	1232-01217	30-Apr-08	SY-F	18-Apr-09 06-Jun-09	3Y-F	U U
American Robin	1232-43401	05-Jun-08	AHY-M	18-Apr-09	A2Y-M	SW
Gray Catbird	1991-96140	13-Aug-08	HY-U	05-Jun-09	2Y-M	F
Yellow Warbler	2360-85855	05-May-08	SY-F	02-May-09 05-Jun-09	3Y-F	FE FE
Yellow Warbler	2360-85857	08-May-08	SY-M	02-May-09	3Y-M	U
Yellow Warbler	2360-85878	09-May-08	SY-F	05-Jun-09	3Y-F	W
Yellow Warbler	2360-85889	12-May-08	SY-M	29-May-09	3Y-M	FE
Yellow Warbler	2360-85907	12-May-08	ASY-M	02-May-09 08-May-09 10-May-09	A3Y-M	U U U
Yellow Warbler	2360-85928	19-May-08	SY-F	25-May-09	3Y-F	W
Yellow Warbler	2360-85933	19-May-08	SY-F	09-May-09	3Y-F	F
Yellow Warbler	2360-85940	19-May-08	SY-F	09-May-09 05-Jun-09	3Y-F	F W
Yellow Warbler	2360-85945	19-May-08	SY-F	09-May-09	3Y-F	F
Yellow Warbler	2360-85958	21-May-08	SY-M	10-May-09	3Y-M	W
Yellow Warbler	2360-85984	30-May-08	SY-M	08-May-09	3Y-M	F
Yellow Warbler	2500-25607	09-Aug-08	HY-U	08-May-08	2Y-M	F
Common Yellowthroat	2360-85986	30-May-08	AHY-M	23-May-09	A2Y-M	F
Common Yellowthroat	2500-25633	13-Aug-08	HY-U	23-May-09 25-May-09 29-May-09	2Y-M	F F F
Common Yellowthroat	2500-25662	14-Aug-08	HY-M	30-Apr-09	2Y-M	F
Common Yellowthroat	2500-25699	25-Aug-08	HY-U	23-May-09	2Y-F	F
Song Sparrow	2281-01614	18-Apr-08	ASY-M	08-May-09	A3Y-M	U
Song Sparrow	2281-10708	30-May-08	ASY-M	05-Jun-09	A3Y-M	W
Song Sparrow	2281-10711	05-Jun-08	AHY-F	02-May-09 06-Jun-09	A2Y-F	W W

Table 10. Continued (page 2 of 2).

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc
SongSparrow	2281-10716	09-Aug-08	HY-U	05-Jun-09 06-Jun-09	2Y-M	U U
Song Sparrow	2281-10726	09-Aug-08	HY-U	17-Apr-09 02-May-09	2Y-M	F FE
Song Sparrow	2281-10739	13-Aug-08	HY-U	17-Apr-09	2Y-M	F
Song Sparrow	2281-10780	27-Aug-08	AHY-F	09-May-09	A2Y-F	SW
Swamp Sparrow	2321-69652	04-Oct-08	HY-U	24-Apr-09	2Y-U	W
Northern Cardinal	1232-43449	11-Oct-08	HY-M	18-Apr-09 29-May-09	2Y-M	F F
Red-winged Blackbird	1991-65256	16-Apr-08	ASY-F	29-May-09	A3Y-F	F
Red-winged Blackbird	1222-87074	18-Apr-08	SY-M	05-Apr-09	3Y-M	SW
Red-winged Blackbird	1222-87087	20-Apr-08	SY-M	05-Apr-09	3Y-M	SW
Red-winged Blackbird	1222-87091	20-Apr-08	SY-M	25-Apr-09	3Y-M	U
Red-winged Blackbird	1232-01212	24-Apr-08	ASY-M	05-Jun-09	A3Y-M	F
Red-winged Blackbird	1232-01250	09-May-08	ASY-M	11-Apr-09	A3Y-M	F
Red-winged Blackbird	1991-65270	09-May-08	ASY-F	08-May-09	A3Y-F	U
Red-winged Blackbird	1991-96117	30-May-08	ASY-F	23-May-09	A3Y-F	SW
Red-winged Blackbird	1991-96131	05-Jun-08	SY-F	29-May-09	3Y-F	SW
Brown-headed Cowbird	2281-10631	30-Apr-08	SY-F	05-Jun-09	3Y-F	U
Brown-headed Cowbird	1991-65263	05-May-08	SY-M	05-Apr-09	3Y-M	W
Baltimore Oriole	1991-96104	19-May-08	AHY-F	08-May-09 29-May-09 06-Jun-09	A2Y-F	U FE FE
American Goldfinch	2311-71584	16-Apr-08	SY-M	23-May-09	3Y-M	F
American Goldfinch	2311-71597	18-Apr-08	SY-F	11-Apr-09	3Y-F	F
American Goldfinch	2311-71612	20-Apr-08	SY-F	17-Apr-09	3Y-F	F
American Goldfinch	2311-71651	12-May-08	ASY-M	08-May-09	A3Y-M	U
American Goldfinch	2311-71692	30-May-08	SY-F	08-May-09 25-May-09	3Y-F	U U
American Goldfinch	2321-69558	28-Sep-08	HY-F	25-Apr-09	2Y-F	W
American Goldfinch	2321-69586	28-Sep-08	HY-M	18-Apr-09	2Y-M	F
American Goldfinch	2321-59594	28-Sep-08	HY-M	30-Apr-09	2Y-M	F
American Goldfinch	2321-69694	09-Oct-08	AHY-M	17-Apr-09	A2Y-M	F
American Goldfinch	2321-59825	30-Oct-08	HY-M	02-May-09	2Y-M	F
American Goldfinch	2321-59831	30-Oct-08	AHY-M	08-May-09	A2Y-M	F
American Goldfinch	2321-69840	01-Nov-08	HY-M	18-Apr-09	2Y-M	F

Table 11. Same season recaptures of migrants (with weight gain or loss noted). (Bold = Neotropical Migrant). Resident species are not included in this table.

Species	Band No.	Age/Sex	Date Banded	Date Recaptured	No. of days	Original Weight (g)	Weight at Recapture (g)	Gain/Loss (g)	Gain/Loss (%)
Willow Flycatcher	2560-75042	AHY-M	25-May-09	29-May-09	4	14.0	14.2		
				06-Jun-09	12	14.2	13.9	-0.1	-0.7%
House Wren	2540-26686	AHY-M	10-May-09	25-May-09	15	10.2	10.3		
				05-Jun-09	26	10.3	10.3	+0.1	+0.9%
House Wren	2560-75033	AHY-M	23-May-09	25-May-09	2	10.6	10.9	+0.3	+2.8%
Golden-crowned Kinglet	2520-15012	AHY-M	05-Apr-09	17-Apr-09	12	4.5	6.6	+2.1	+46.7%
American Robin	1232-43499	AHY-U	11-Apr-09	18-Apr-09	7	79.2	76.5	-2.7	-3.4%
American Robin	1232-43538	AHY-F	18-Apr-09	23-May-09	35	84.7	84.5	-0.2	-0.2%
American Robin	1232-43603	AHY-F	23-May-09	25-May-09	2	74.4	72.5		
				29-May-09	6	72.5	70.2	-4.2	-5.6%
American Robin	1232-43607	AHY-F	23-May-09	05-Jun-09	13	74.4	71.9	-2.5	-3.4%
Gray Catbird	2231-53440	SY-F	23-May-09	25-May-09	2	34.0	32.5		
				05-Jun-09	13	32.5	35.4		
				06-Jun-09	14	35.4	34.6	+0.6	+1.8%
Gray Catbird	2231-53442	ASY-U	23-May-09	29-May-09	6	33.1	30.5	-2.6	-7.8%
Gray Catbird	2231-53445	SY-M	23-May-09	29-May-09	6	33.5	34.5	+1.0	+3.0%
Gray Catbird	2231-53447	SY-F	23-May-09	25-May-09	2	31.4	37.6		
				05-Jun-09	13	37.6	28.8	-2.6	-8.3%
Yellow Warbler	2540-26651	SY-F	08-May-09	23-May-09	15	9.2	10.3	+1.1	+12.0%
Yellow Warbler	2540-26659	SY-M	08-May-09	10-May-09	2	9.6	9.6		
				29-May-09	21	9.6	10.3	+0.7	+7.3%
Yellow Warbler	2540-26662	SY-F	08-May-09	10-May-09	2	8.6	9.3	+0.7	+8.1%
Yellow Warbler	2540-26668	SY-F	09-May-09	10-May-09	1	8.7	8.5	-0.2	-2.3%
Yellow Warbler	2540-26669	SY-F	09-May-09	23-May-09	14	8.9	8.6	-0.3	-3.4%
Yellow Warbler	2560-75023	SY-F	23-May-09	25-May-09	2	11.4	10.2	-1.2	-10.5%
Yellow Warbler	2560-75032	SY-F	23-May-09	25-May-09	2	12.5	11.6	-0.9	-7.2%
Common Yellowthroat	2540-26658	SY-M	08-May-09	10-May-09	2	10.1	11.1	+1.0	+9.9%
Fox Sparrow	1991-96185	AHY-U	11-Apr-09	17-Apr-09	6	37.2	34.2	-3.0	-8.1%
Song Sparrow	2431-25921	ASY-U	05-Apr-09	17-Apr-09	12	20.6	17.2	-3.4	-16.5%
Song Sparrow	2431-25922	SY-M	05-Apr-09	11-Apr-09	6	19.4	20.9		
				09-May-09	34	20.9	20.8	+1.4	+7.2%
Song Sparrow	2431-25923	ASY-M	05-Apr-09	18-Apr-09	13	20.2	22.5	+2.3	+11.4%
Song Sparrow	2431-25924	SY-U	05-Apr-09	11-Apr-09	6	16.5	18.3	+1.8	+10.9%
Song Sparrow	2431-25930	SY-U	11-Apr-09	17-Apr-09	6	18.5	19.0	+0.5	+2.7%
Song Sparrow	2431-25933	SY-U	11-Apr-09	17-Apr-09	6	22.1	19.7	-2.4	-10.8%
Song Sparrow	2431-38008	ASY-M	30-Apr-09	02-May-09	2	21.3	21.5	+0.2	+0.9%
Song Sparrow	2431-38069	ASY-F	23-May-09	29-May-09	6	20.7	20.2	-0.5	-2.4%
Swamp Sparrow	2391-16075	SY-U	30-Apr-09	02-May-09	2	18.5	18.7	+0.2	+1.1%
Swamp Sparrow	2391-16080	ASY-U	30-Apr-09	08-May-09	8	16.0	16.7	+0.7	+4.4%
Swamp Sparrow	2391-16083	SY-U	30-Apr-09	10-May-09	10	16.3	18.6	+2.3	+14.1%
Swamp Sparrow	2391-16085	AHY-M	30-Apr-09	02-May-09	2	19.3	17.6	-1.7	-8.8%
Swamp Sparrow	2391-16109	SY-M	02-May-09	23-May-09	21	17.1	17.5		
				29-May-09	27	17.5	17.3	+0.2	+1.2%
White-throated Sparrow	2431-38018	SY-F	08-May-09	10-May-09	2	28.5	25.3	-3.2	-11.2%
Red-winged Blackbird	1232-43485	SY-M	05-Apr-09	17-Apr-09	12	60.2	57.8		
				29-May-09	54	57.8	58.9	-1.3	-2.1%
Red-winged Blackbird	1232-43491	SY-M	11-Apr-09	17-Apr-09	6	67.6	66.6	-1.0	-1.5%
Red-winged Blackbird	1232-43500	SY-M	11-Apr-09	08-May-09	27	72.5	65.3	-7.2	-9.9%
Red-winged Blackbird	1232-43518	SY-M	17-Apr-09	10-May-09	23	70.1	68.2	-1.9	-2.7%
Red-winged Blackbird	1232-43519	SY-M	17-Apr-09	05-Jun-09	49	65.1	65.6	+0.5	+0.8%

Table 11. Continued (page 2 of 2).

Species	Band No.	Age/Sex	Date Banded	Date Recaptured	No. of days	Original Weight	Weight at Recapture (g)	Gain/Loss (g)	Gain/Loss (%)
Red-winged Blackbird	2231-53446	ASY-F	23-May-09	25-May-09	2	41.6	36.6	-5.0	-12.0%
Red-winged Blackbird	2231-53495	SY-F	05-Jun-09	06-Jun-09	1	39.5	36.3	-3.2	-8.1%
Red-winged Blackbird	2231-53502	ASY-F	05-Jun-09	06-Jun-09	1	37.8	40.1	+2.3	+6.1%
Common Grackle	1603-41602	SY-F	23-May-09	25-May-09	2	87.7	79.4	-8.3	-9.5%
Brown-headed Cowbird	2431-38026	SY-F	08-May-09	23-May-09	15	41.4	32.7	-8.7	-21.0%
Baltimore Oriole	2231-53461	SY-M	23-May-09	25-May-09	2	23.4	29.4	+6.0	+25.6%
American Goldfinch	2391-16012	SY-M	05-Apr-09	25-Apr-09	20	13.0	11.8		
				23-May-09	48	11.8	11.4	-1.6	-12.3%
American Goldfinch	2391-16051	SY-M	18-Apr-09	30-Apr-09	12	13.2	12.3	-0.9	-6.8%
American Goldfinch	2391-16059	ASY-M	18-Apr-09	30-Apr-09	12	14.2	12.7	-1.5	-10.6%
American Goldfinch	2391-16066	SY-M	24-Apr-09	25-Apr-09	1	14.1	13.2	-0.9	-6.4%
Total birds with weight gains								21	-
Total birds with weight loss								29	-
Average weight gain									+8.5%
Average weight loss									-7.4%

SPRING 2009 - PHOTO HIGHLIGHTS



Baltimore Orioles were banded in record numbers this spring.



This Savannah Sparrow was only the 3rd ever banded at Metro Beach.



“Molt limits” can be difficult to understand, and detect, in many bird species but they are an essential new (since 1997) way to determine the age of many species. Woodpeckers have a more complex molt sequence than most species. In this photo the white shaft on one feather, and barred and unbarred feathers clearly show the different-aged feathers on this Northern Flicker.



Hermit Thrushes are normally captured in April and early May, so this one on June 5 was quite unexpected.



This Eastern Kingbird was only the 2nd ever banded at Metro Beach, though it is a fairly common bird in the area.



As with most flycatchers, the Eastern Kingbird has a boisterous demeanor when captured.