

Spring 2011 Banding Summary
Metro Beach Metro Park
Macomb County, Michigan
Allen T. Chartier
Banding Permit No. 23156



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Black-billed Cuckoo

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INTRODUCTION

The spring of 2011 was the eighth year of a renewed banding study to be compared with the previous study conducted (in spring) from 1990-1999. Net lanes required little clearing this spring, as expected, and the same locations in use since last spring were used again (see the Spring 2008 report for net locations and names) with the exception of the Willow West net which was blocked by a fallen tree. This net was moved away from the road an additional 10-15 meters. A thistle sock feeder was placed inside the “U” of the Field Nets beginning with the first day in April, and hummingbird feeders were placed near the Field Edge net beginning with the first day in May with an empty decoy feeder on the opposite side on banding days.

After the second annual treatment of the *Phragmites* in the marsh and marsh edge area with herbicide last fall, mowing was done the first week of April, with the majority of the banding area being cleared. One large area was west and south of the Field Nets, and it appeared that removal of this wall of *Phragmites* allowed water to flow in a different pattern throughout the banding area this spring. While there was no shortage of mud and water, there seemed to be less water in the banding area, and other areas of Point Rosa Marsh had water where none has been for years. It appeared that the water had been dispersed more than it has been in several recent spring seasons.

Temperatures were below average beginning in mid-March, continuing throughout April and May. Both April and May were wetter than normal. Rain, thunderstorms, high wind, and even some snow hampered banding efforts several days in April and May. If you listen to rock music like I do, or even if you don't, you may understand why I felt this spring's theme song was *Rusted From the Rain* by Billy Talent; all the lyrics don't apply but you get the idea!

White-tailed Deer were in evidence in the banding area, though not as many as in recent years. One net was destroyed by deer, but four nets were destroyed the vandalism of an unsupervised school group, some of them caught in the act, on 19 May, for which reimbursement was received from the school district.

SPRING 2011 RESULTS

Banding was conducted on 15 days between 3 April and 4 June, with nets open a total of 94.50 hours (1022.87 net hours). A total of 731 new birds of 60 species were banded, plus 278 recaptures (including 120 returnees from previous years) and 21 released unbanded, for a total of 1030 captures and a capture rate of 100.7 birds per 100 net hours. This is the lowest number of days and the third lowest number of Net Hours since 2004. Despite the decreased coverage, this was the third highest number of new birds banded and the second highest capture rate (birds per 100 net hours) since 2004. 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 Hours	No. Banded	No. Recaptured	No. 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
2010	16	1186.63	576	188	25	789	66.5	61
2011	15	1022.87	731	278	21	1030	100.7	60

* 1990-1999 data for recaptures has not yet been fully verified.

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

Over-wintering species and early migrants, including Eastern Phoebe, Winter Wren, Brown Creeper, Golden-crowned Kinglet, Hermit Thrush, Fox Sparrow, Dark-eyed Junco, and American Tree Sparrow, were in fairly good numbers, with record numbers of Brown Creepers, Fox, and American Tree Sparrows.

Late migrants were not at all in evidence in early June this year, however, and Yellow-bellied Flycatcher was completely missed, while numbers of other late migrants (including Magnolia Warbler, Wilson's Warbler, and American Redstart) was quite low once again. The peak day for captures was 6 May with 100 birds banded (plus 19 recaptures and 4 released unbanded). The most diverse days with 22 species (not particularly high) were 7 and 8 May.

Breaking down the captures by net groups, there were some interesting results as well as some expected results. On a per-net basis the Upland Nets were the most productive, for the first time since the Field Nets have been set up. It is unclear what produced this increase. The Swamp Nets were less productive than previously, but this is undoubtedly due to the fact that they were not set up on three different days when only a single volunteer was available, necessitating a reduced number of nets to be operated. Greater numbers of kinglets and thrushes might have been captured had these nets been in operation every day. The Field Nets were operated on all but one day (due to wind), so the reduced captures there is unusual, but causes are uncertain. Perhaps the more open nature of the field with the removal of the *Phragmites*, and the broader distribution of water had an effect. Not even one White-throated Sparrow was caught in the field. A majority of the near-record number of Baltimore Orioles was from the Field Edge nets, as expected due to the hummingbird feeders placed near it. Several species that have been caught mainly in the Field Nets in previous years (American Robin, Yellow Warbler, Common Yellowthroat, White-throated Sparrow, Red-winged Blackbird) seem to have moved away from them somewhat, possibly due to the removal of *Phragmites*. As in previous years, female Red-winged Blackbirds seemed to favor the more open areas while males seemed to favor the more wooded areas. A total of 21.6% of male Red-wings were in the Field and Field Edge, while 43.9% of females were there, and a total of 53.4% of males were in the Upland and Swamp nets while only 36.6% of females were there. Swamp Sparrows continued to be captured in good numbers in the Field Nets, however. Captures by net group are shown in Table 2 below. Captures for selected species by net group are shown in Table 3 below.

Table 2. Captures by net groups (new banded only).

Net Group	No. captured	% captured	% per net
Field (2.25 nets)	200	27.3%	12.1%
Field Edge (1.0 net)	71	9.7%	9.7%
Willow (2.0 nets)	112	15.3%	7.7%
Upland (4.0 nets)	234	32.0%	8.0%
Swamp (4.0 nets)	115	15.7%	3.9%

Table 3. Percent of captures per net group for selected species (new banded only).

Species	Field	Field Edge	Willow	Upland	Swamp
Ruby-throated Hummingbird	16.7%	33.3%	16.7%	-	33.3%
Brown Creeper	-	-	4.8%	71.4%	23.8%
Golden-crowned Kinglet	-	13.3%	-	33.3%	53.4%
Swainson's Thrush	-	20.0%	20.0%	20.0%	40.0%
Hermit Thrush	7.7%	-	23.1%	53.8%	15.4%
American Robin	21.4%	7.1%	7.1%	43.0%	21.4%
Yellow Warbler	30.0%	-	10.0%	53.3%	6.7%
Common Yellowthroat	20.8%	4.2%	12.5%	45.8%	16.7%
All warblers	18.8%	1.8%	25.9%	39.2%	14.3%
American Tree Sparrow	52.2%	8.7%	-	30.4%	8.7%
Lincoln's Sparrow	25.0%	12.5%	6.2%	56.3%	-
Swamp Sparrow	43.0%	26.4%	13.9%	11.1%	5.6%
White-throated Sparrow	-	1.5%	13.6%	59.1%	25.8%
Red-winged Blackbird (M)	13.3%	8.3%	25.0%	25.0%	28.4%
Red-winged Blackbird (F)	17.1%	26.8%	19.5%	31.7%	4.9%
Red-winged Blackbird (all)	14.9%	15.8%	22.8%	27.7%	18.8%
Common Grackle	-	-	36.4%	30.3%	33.3%
Baltimore Oriole	15.4%	69.2%	-	15.4%	-
American Goldfinch	89.9%	2.2%	3.4%	3.4%	1.1%

Along with the good overall numbers banded, there were quite a few unusual captures this spring, including a Black-billed Cuckoo on 28 May that was the first since fall 1996 and the first in spring since 1992. An Acadian Flycatcher on 14 May was only the 11th ever here and the first since 2004. Last year's first-ever for spring White-breasted Nuthatch was recaptured this spring. And after last year's first-ever for spring Marsh Wrens, one was banded this spring on 30 April, and was possibly related to the redistribution of water after mowing the *Phragmites*. A male Blue-gray Gnatcatcher on 30 April was only the 7th since 2004, all in spring. A Yellow-breasted Chat on 6 May (recaptured on 7 & 8 May) was a surprise, the first since fall 2005 and only the 8th ever here. A Field Sparrow on 6 May was only the 4th since 2004, the third in spring, and the seventh since 1990. A Rusty Blackbird on 9 April was the first since two were banded in 2006, and only the 10th ever here.

Flycatcher numbers were again rather low, with Yellow-bellied Flycatcher missed for the fourth spring. Carolina Wren was missed for the fourth spring since 2004, and was not observed or heard in the banding area. Brown Creepers were banded in record numbers and Golden-crowned Kinglets where in higher numbers than last year

while Ruby-crowned Kinglets were low. The number of thrushes remained at the lower numbers captured since 2004, though Veery and Gray-cheeked Thrush were slightly higher.

Captures of vireos was even worse than last spring, as there was not a single individual of any species this spring. Warbler numbers were up slightly from last year, with 112 individuals of 14 species. Orange-crowned and Black-throated Green Warblers were missed for the third spring since 2004, while Nashville, Black-and-white, and Chestnut-sided were surprising misses. Low numbers of Magnolia, Mourning, Wilson's, and Canada and American Redstart were captured while record numbers of Yellow-rumped Warblers and Northern Waterthrushes were banded. This may highlight the importance of getting two days a week covered in the last half of May, which has been a challenge in recent years. The two breeding warblers had a fairly strong showing, with Yellow only slightly below average and Common Yellowthroat above the recent average since 2004 but below the 1989-1999 average.

Sparrow numbers were up, with record numbers for several species. American Tree Sparrows were more than double the previous record, and they stayed later than ever before. Fox, Lincoln's, and Swamp Sparrows were all banded in record numbers, and White-throated Sparrows though not a record, were captured at higher than both 1989-1999 and 2004-2010 averages. An even 100 Red-winged Blackbirds was the second highest ever for spring. Details for individual species can be found in Table 5 below.

Breeding evidence was found for the following species: 2 Ruby-throated Hummingbirds (females), 7 Downy Woodpeckers (2 males, 4 females), 1 Hairy Woodpecker (male), 1 Blue Jay (female), 1 Tree Swallow (male), 1 Black-capped Chickadee (female), 1 Tufted Titmouse (female), 2 House Wrens (males), 27 American Robins (18 males, 7 females, 2 hatch-years), 2 Gray Catbirds (1 male, 1 female), 4 European Starlings (2 males, 2 females), 34 Yellow Warblers (25 males, 9 females), 16 Common Yellowthroats (13 males, 3 females), 14 Song Sparrows (8 males, 6 females), 18 Swamp Sparrows (all males), 3 Northern Cardinals (females), 52 Red-winged Blackbirds (29 males, 23 females), 24 Common Grackles (13 males, 11 females), 1 Brown-headed Cowbird (female carrying egg), 10 Baltimore Orioles (5 males, 5 females), 1 House Finch (female), and 1 American Goldfinch (male). Details can be found in Table 6 below.

Marsh-nesting species, including Yellow Warblers, Common Yellowthroats, Song Sparrows, Swamp Sparrows, and Red-winged Blackbirds were all in notably higher numbers than in 2010. And Baltimore Orioles were in much higher numbers. The number birds apparently using the banding area as part (or all) of their breeding territory is still pretty amazing. 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 good for many species. These are summarized in Table 4 below. Of particular interest are three individual sparrows. An American Tree Sparrow banded in November 2010 was recaptured in April 2011, providing the first recapture of an over-wintering individual of any species in the banding area. A White-throated Sparrow, also banded in November 2010 was recaptured in April 2011, providing the first recapture of an over-wintering individual of this species in the banding area. And, a Song Sparrow [2281-10323] banded in September 2007 has been recaptured a total of 18 times since then, including the 4 times he was recaptured this spring! 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 FOUR such encounters to report this spring!

- A White-throated Sparrow [2431-38314] banded on 26 September 2009 as HY-U was found dead 1-mile northwest of Purvis, Lamar County, in far southern Mississippi (867 miles SSW of Metro Beach) on 7 February 2010.
- A Common Grackle [1433-72794] banded on 19 April 2006 as SY-F was found dead near Clarksville, Montgomery County, Tennessee (480 miles SSW of Metro Beach) on 21 February 2011, having lived to the age of 5 years, 8 months.
- A Baltimore Oriole [8101-31414] banded on 14 May 2005 as SY-F was found killed by a cat near Jefferson, Ashtabula County, Ohio (118 miles ESE of Metro Beach) on 18 May 2011, having lived to the age of 7 years 11 months (the record for the species is 12 years).
- A Baltimore Oriole [1841-91554] captured and released at Metro Beach on 14 May 2011 had been banded at Long Point Bird Observatory, Ontario, Canada on 17 May 2007 as SY-M; making this bird 4 years, 11 months old. Amazingly, this same individual had been recaptured at Metro Beach on 21 May 2008, so apparently this individual has moved its breeding territory to Metro Beach.
- Another re-encounter was from much closer; the Metro Beach Nature Center. A Song Sparrow [2541-21587] banded on 14 October 2010 as HY-U was found (dead) at the Nature Center on 4 May 2011.

Table 4. Recaptures by year (number captured with species in parentheses).

	Banded in 2010	Banded in 2009	Banded in 2008	Banded in 2007	Banded in 2006	Banded in 2005	Banded in 2004
Recap in 2005	-	-	-	-	-	-	18 (8)
Recap in 2006	-	-	-	-	-	53 (17)	9 (6)
Recap in 2007	-	-	-	-	38 (12)	20 (8)	7 (5)
Recap in 2008	-	-	-	61 (16)	14 (7)	25 (13)	6 (5)
Recap in 2009	-	-	62 (14)	26 (9)	12 (8)	13 (8)	4 (4)
Recap in 2010	-	48 (16)	40 (11)	12 (6)	6 (4)	3 (3)	-
Recap in 2011	58 (17)	34 (10)	13 (6)	10 (7)	3 (2)	2 (2)	-

Details of these recaptures can be found in Tables 7-12.

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 tend to be shorter, and usually fewer weight gains are noted. There were more birds with weight gains than losses this spring, but only a few were pure migrants: 2 Northern Waterthrushes, 1 Yellow-breasted Chat, 1 Lincoln's Sparrow, and 3 White-throated Sparrows. One of these White-throated Sparrows and one American Tree Sparrow were recaptured after over-wintering in the banding area; a first since banding began here in 1989. Both individuals gained weight, probably in preparation for their northward migration. All other recaptured migrants were species, and probably individuals, that nest at Metro Beach. Many of the weight gains, especially those greater than 10%, can be attributed to females forming eggs prior to laying. Table 13 below provides details of weight gains and losses detected during Spring 2011.

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.

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

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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, Sarah Matuszak, and Michelle Serreyn.

Banding this spring simply could not have been done without the able assistance of the following 13 volunteers (23 volunteers in spring 2010): John Bieganowski, David Boon, Mary Buchowski, Terri Chapdelaine, Diana Dugall, Dave Lancaster, Mike Matuszak, Sarah Matuszak, Kathy McDonald, Jerry McHale, Jeremy Miller, Tom Schlack, and Sue Wright.

Table 5. Birds banded at Metro Beach Metropark in Spring 2011, compared with the 1990-1999 average and the 2004-2010 average (No. per 100 net hours in parentheses). **Black text** indicates unusual species or high numbers. **Red text** indicates significant declines, or significant missing species from the tally.

Species	1990-1999 Average	2004-2010 Average	2011 Totals	Returns
Cooper's Hawk	0	0.1 (0.01)	0	
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	0.3 (0.03)	0	
Mourning Dove	0.2 (0.02)	0	0	
Black-billed Cuckoo	0.2 (0.02)	0	1 (0.10)	
Whip-poor-will	0.2 (0.02)	0	0	
Ruby-throated Hummingbird	0	5.9 (0.54)	6 (0.59)	1
Red-bellied Woodpecker	0	0.3 (0.03)	0	
Yellow-bellied Sapsucker	0.1 (0.01)	0	0	
Downy Woodpecker	3.6 (0.42)	4.0 (0.37)	9 (0.88)	4
Hairy Woodpecker	0.2 (0.02)	0.6 (0.05)	0	1
Northern Flicker	0.8 (0.09)	1.7 (0.16)	2 (0.20)	
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)	1.6 (0.15)	0	
Acadian Flycatcher	0.3 (0.03)	0.1 (0.01)	1 (0.10)	
Alder Flycatcher	0.2 (0.02)	2.0 (0.19)	1 (0.10)	
Willow Flycatcher	0.1 (0.01)	2.3 (0.21)	2 (0.20)	2
"Traill's" Flycatcher	6.4 (0.67)	4.3 (0.40)	1 (0.10)	
Least Flycatcher	8.0 (0.93)	2.1 (0.20)	1 (0.10)	
Eastern Phoebe	0.2 (0.02)	2.9 (0.26)	3 (0.29)	
Great Crested Flycatcher	0.7 (0.08)	0.4 (0.04)	0	
Eastern Kingbird	0.1 (0.01)	0.1 (0.01)	0	
White-eyed Vireo	0.7 (0.08)	1.3 (0.12)	0	
Blue-headed Vireo	0.6 (0.07)	0.1 (0.01)	0	
Warbling Vireo	5.8 (0.67)	3.7 (0.34)	0	
Philadelphia Vireo	0.4 (0.05)	0.1 (0.01)	0	
Red-eyed Vireo	2.0 (0.23)	0	0	
Blue Jay	20.2 (2.34)	5.1 (0.48)	3 (0.29)	
Tree Swallow	0.2 (0.02)	4.3 (0.40)	3 (0.29)	
Northern Rough-winged Swallow	0.6 (0.07)	11.9 (1.10)	0	
Barn Swallow	0	3.4 (0.32)	0	
Black-capped Chickadee	3.2 (0.37)	7.7 (0.71)	4 (0.39)	2
Tufted Titmouse	0.2 (0.02)	0.6 (0.05)	2 (0.20)	
White-breasted Nuthatch	0	0.1 (0.01)	0	1
Brown Creeper	1.5 (0.17)	9.9 (0.91)	21 (2.05)	
Carolina Wren	0.1 (0.01)	1.6 (0.15)	0	

Table 5. Continued (page 2 of 3).

Species	1990-1999 Average	2004-2010 Average	2011 Totals	Returns
House Wren	6.7 (0.78)	6.9 (0.64)	5 (0.49)	1
Winter Wren	2.9 (0.34)	2.4 (0.22)	3 (0.29)	
Sedge Wren	0.1 (0.01)	0	0	
Marsh Wren	0	0.3 (0.03)	1 (0.10)	
Golden-crowned Kinglet	1.5 (0.17)	11.3 (1.05)	15 (1.47)	
Ruby-crowned Kinglet	25.0 (2.89)	12.4 (1.15)	7 (0.68)	
Blue-gray Gnatcatcher	1.8 (0.21)	0.9 (0.08)	1 (0.10)	
Veery	6.0 (0.69)	6.6 (0.61)	7 (0.68)	
Gray-cheeked Thrush	2.1 (0.24)	1.4 (0.13)	3 (0.29)	
Swainson's Thrush	15.3 (1.77)	9.1 (0.85)	10 (0.98)	
Hermit Thrush	12.7 (1.47)	15.1 (1.40)	13 (1.27)	
Wood Thrush	1.5 (0.17)	1.3 (0.12)	1 (0.10)	
American Robin	17.8 (2.06)	29.1 (2.70)	28 (2.74)	3
Gray Catbird	15.6 (1.81)	19.3 (1.79)	7 (0.68)	2
Brown Thrasher	1.3 (0.15)	1.0 (0.09)	0	
European Starling	2.7 (0.31)	1.6 (0.15)	4 (0.39)	
Cedar Waxwing	0.4 (0.05)	0.4 (0.04)	0	
Blue-winged Warbler	0.3 (0.03)	0.9 (0.08)	1 (0.10)	
Golden-winged Warbler	0.2 (0.02)	0.3 (0.03)	0	
"Brewster's" Warbler	0.1 (0.01)	0.1 (0.01)	0	
Tennessee Warbler	4.0 (0.46)	0.3 (0.03)	0	
Orange-crowned Warbler	0.6 (0.07)	1.3 (0.12)	0	
Nashville Warbler	3.7 (0.43)	5.7 (0.53)	0	
Northern Parula	0.2 (0.02)	0.3 (0.03)	0	
Yellow Warbler	26.4 (3.06)	35.7 (3.31)	30 (2.93)	14
Chestnut-sided Warbler	6.9 (0.80)	3.4 (0.32)	0	
Magnolia Warbler	26.4 (3.06)	16.0 (1.48)	9 (0.88)	
Cape May Warbler	0.7 (0.08)	0	0	
Black-throated Blue Warbler	3.4 (0.39)	2.1 (0.20)	2 (0.20)	
Yellow-rumped Warbler	15.5 (1.79)	6.9 (0.64)	11 (1.08)	
Black-throated Green Warbler	1.1 (0.13)	2.4 (0.22)	0	
Blackburnian Warbler	0.8 (0.09)	0.9 (0.08)	0	
Prairie Warbler	0	0.1 (0.01)	0	
(Western) Palm Warbler	1.5 (0.17)	1.9 (0.17)	1 (0.10)	
(Yellow) Palm Warbler	0.1 (0.01)	0.1 (0.01)	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)	4.0 (0.37)	0	
Hybrid Warbler (BAWWxGWWA?)	0	0.1 (0.01)	0	
American Redstart	16.0 (1.85)	5.0 (0.46)	1 (0.10)	
Worm-eating Warbler	0	0.1 (0.01)	0	
Prothonotary Warbler	0.1 (0.01)	0	0	
Ovenbird	7.4 (0.86)	8.4 (0.78)	7 (0.68)	

Table 5. Continued (page 3 of 3).

Species	1990-1999 Average	2004-2010 Average	2011 Totals	Returns
Northern Waterthrush	7.1 (0.82)	9.3 (0.86)	17 (1.66)	
Louisiana Waterthrush	0	0.1 (0.01)	0	
Connecticut Warbler	0.2 (0.02)	0	0	
Mourning Warbler	5.5 (0.64)	3.4 (0.32)	1 (0.10)	
Common Yellowthroat	29.4 (3.40)	22.7 (2.10)	24 (2.35)	11
Wilson's Warbler	13.5 (1.56)	10.1 (0.94)	5 (0.49)	
Canada Warbler	6.9 (0.80)	5.0 (0.46)	2 (0.20)	
Hooded Warbler	0.1 (0.01)	0.3 (0.03)	0	
Yellow-breasted Chat	0.5 (0.06)	0	1 (0.10)	
Scarlet Tanager	0.2 (0.02)	0.1 (0.01)	0	
Northern Cardinal	5.3 (0.61)	7.0 (0.65)	4 (0.39)	1
Rose-breasted Grosbeak	1.9 (0.20)	0.4 (0.04)	0	
Indigo Bunting	0.6 (0.07)	0.9 (0.08)	0	
Eastern Towhee	0.2 (0.02)	0.3 (0.03)	2 (0.20)	
American Tree Sparrow	0.3 (0.03)	2.3 (0.21)	23 (2.25)	1
Field Sparrow	0.2 (0.02)	0.3 (0.03)	1 (0.10)	
Savannah Sparrow	0.1 (0.01)	0.4 (0.04)	0	
Fox Sparrow	0.1 (0.01)	3.1 (0.29)	8 (0.78)	
Song Sparrow	11.8 (1.37)	19.7 (1.83)	16 (1.56)	10
Lincoln's Sparrow	13.3 (1.54)	10.4 (0.97)	16 (1.56)	
Swamp Sparrow	54.0 (6.25)	45.7 (4.23)	72 (7.04)	3
White-throated Sparrow	36.4 (4.21)	66.1 (6.13)	66 (6.45)	1
White-crowned Sparrow	1.9 (0.22)	4.1 (0.38)	3 (0.29)	
Dark-eyed Junco	0.1 (0.01)	1.1 (0.11)	1 (0.10)	
Red-winged Blackbird	31.1 (3.60)	69.4 (6.43)	100 (9.78)	20
Rusty Blackbird	0.6 (0.07)	0.4 (0.04)	1 (0.10)	
Common Grackle	7.8 (0.90)	15.4 (1.43)	33 (3.23)	
Brown-headed Cowbird	5.9 (0.68)	7.7 (0.71)	5 (0.49)	2
Baltimore Oriole	4.9 (0.57)	9.0 (0.83)	13 (1.27)	8
House Finch	1.6 (0.19)	1.0 (0.09)	1 (0.10)	
American Goldfinch	24.7 (2.86)	37.0 (3.43)	89 (8.70)	33
House Sparrow	0.5 (0.06)	0.3 (0.03)	0	

Table 6. Breeding Evidence of Birds captured at Metro Beach Metropark in Spring 2011.
(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	L-14909	31-Aug-10	02-Jun-11	BP=2	-/W
Ruby-throated Hummingbird	AHY-F	L-65878	04-Jun-11	-	BP=2	SW
Downy Woodpecker	ASY-M	2431-38019	08-May-09	06-May-11	BP=2	-/U
Downy Woodpecker	ASY-M	2431-38789	28-May-10	07-May-11	BP=3	-/W
Downy Woodpecker	SY-F	2551-24191	13-Apr-11	- 04-Jun-11	- BP=3	- SW
Downy Woodpecker	SY-F	2551-24208	27-Apr-11	- 08-May-11	- BP=3	- W
Downy Woodpecker	SY-F	2551-24291	07-May-11	- 28-May-11	BP=3 BP=3, egg	U U
Downy Woodpecker	SY-F	2551-24355	02-Jun-11	- 28-May-11	BP=3 BP=3	U U
Downy Woodpecker	ASY-F	2551-24358	04-Jun-11	-	BP=3	W
Hairy Woodpecker	ASY-M	1232-43453	18-Oct-08	07-May-11	BP=3	W
Blue Jay	SY-F	1292-72802	28-May-11	-	BP=1, egg	SW
Tree Swallow	AHY-M	2511-29481	08-May-11	-	CP=3	U
Black-capped Chickadee	AHY-F	2610-05556	02-Jun-11	-	BP=2, egg	FE
Tufted Titmouse	AHY-F	2551-24200	23-Apr-11	-	BP=2	U
House Wren	AHY-M	2540-26686	10-May-09	14-May-11	CP=3	-/U
House Wren	AHY-M	2610-05477	08-May-11	- 19-May-11	- CP=3	- U
American Robin	ASY-M	1292-72697	03-Apr-11	- 28-May-11	- CP=3	- W
American Robin	AHY-M	1222-42974	14-Apr-07	02-Jun-11	CP=3	-/U
American Robin	AHY-M	1222-42979	20-Apr-07	13-Apr-11 14-May-11	CP=2 CP=3	-/U U
American Robin	AHY-M	1222-87058	06-Apr-08	02-Jun-11	CP=3	-/SW
American Robin	AHY-M	1292-72706	13-Apr-11	- 08-May-11	CP=2 CP=3	U U
American Robin	AHY-M	1292-72720	23-Apr-11	-	CP=2	U
American Robin	AHY-M	1292-72729	30-Apr-11	-	CP=3	U
American Robin	AHY-M	1292-72784	14-May-11	-	CP=3	F
American Robin	AHY-M	1292-72788	19-May-11	-	CP=3	F
American Robin	AHY-M	1292-72793	28-May-11	-	CP=3	U
American Robin	AHY-M	1292-72795	28-May-11	-	CP=3	F
American Robin	AHY-M	1292-72804	02-Jun-11	-	CP=3	SW
American Robin	AHY-M	1292-72812	04-Jun-11	-	CP=3	U
American Robin	AHY-M	1292-72815	04-Jun-11	-	CP=3	U
American Robin	SY-M	1292-72697	03-Apr-11	28-May-11	CP=3	SW/-
American Robin	SY-M	1292-72763	07-May-11	-	CP=3	U
American Robin	SY-M	1292-72786	19-May-11	-	CP=3	F
American Robin	SY-M	1292-72787	19-May-11	-	CP=3	U
American Robin	AHY-F	1292-72811	02-Jun-11	-	BP=3	W

Table 6. Continued (page 2 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
American Robin	SY-F	1292-72727	30-Apr-11	- 28-May-11 02-Jun-11	- BP=3 BP=3	- U U
American Robin	SY-F	1292-72703	13-Apr-11	23-Apr-11 19-May-11	- BP=3	-/U W
American Robin	SY-F	1292-72711	22-Apr-11	- 23-Apr-11 07-May-11 02-Jun-11 04-Jun-11	- BP=2 BP=3 BP=3 BP=3	- W W SW SW
American Robin	SY-F	1292-72727	30-Apr-11	-	BP=3, egg	U
American Robin	SY-F	1292-72747	06-May-11	-	BP=3	FE
American Robin	SY-F	1292-72758	07-May-11	-	BP=3, egg	U
American Robin	HY-U	1292-72805	02-Jun-11	-	HY-U	SW
American Robin	HY-U	1292-72807	02-Jun-11	- 04-Jun-11	HY-U HY-U	FE F
Gray Catbird	ASY-M	2231-53442	23-May-09	19-May-11	CP=3	-/W
Gray Catbird	ASY-F	2411-54940	28-May-10	04-Jun-11	BP=3, egg	FE
European Starling	AHY-M	1292-72801	28-May-11	-	CP=3	U
European Starling	SY-M	1292-72728	30-Apr-11	-	CP=2	U
European Starling	AHY-F	1292-72768	08-May-11	-	BP=3	SW
European Starling	AHY-F	1292-72789	19-May-11	-	BP=3	F
Yellow Warbler	ASY-M	2360-85669	31-May-07	28-May-11	CP=3	-/W
Yellow Warbler	ASY-M	2360-85670	31-May-07	14-May-11 04-Jun-11	CP=3 CP=3	-/U U
Yellow Warbler	ASY-M	2500-25610	09-Aug-08	06-May-11 02-Jun-11	- CP=3	-/F F
Yellow Warbler	ASY-M	2540-26632	02-May-09	08-May-11 14-May-11 04-Jun-11	- CP=3 CP=3	-/F FE F
Yellow Warbler	ASY-M	2540-26659	08-May-09	28-May-11 02-Jun-11	CP=3 CP=3	-/U U
Yellow Warbler	ASY-M	2540-26666	08-May-09	28-May-11	CP=3	-/U
Yellow Warbler	ASY-M	2560-75029	23-May-09	02-Jun-11	CP=3	-/U
Yellow Warbler	ASY-M	2560-75055	29-May-09	28-May-11 04-Jun-11	CP=3 CP=3	-/U U
Yellow Warbler	ASY-M	2560-75059	05-Jun-09	14-May-11 19-May-09	CP=3 CP=3	-/F F
Yellow Warbler	ASY-M	2610-05498	14-May-11	-	CP=3	F
Yellow Warbler	ASY-M	2610-05548	28-May-11	-	CP=3	U
Yellow Warbler	SY-M	2610-05463	07-May-11	-	CP=2	U
Yellow Warbler	SY-M	2610-05478	08-May-11	-	CP=2	F
Yellow Warbler	SY-M	2610-05489	14-May-11	-	CP=2	F
Yellow Warbler	SY-M	2610-05495	14-May-11	-	CP=2	U
Yellow Warbler	SY-M	2610-05499	14-May-11	28-May-11 04-Jun-11	CP=3 CP=3	W W

Table 6. Continued (page 3 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Yellow Warbler	SY-M	2610-05503	14-May-11	-	CP=3	F
Yellow Warbler	SY-M	2610-05509	14-May-11	-	CP=2	SW
Yellow Warbler	SY-M	2610-05513	14-May-11	19-May-11	CP=3	W/FE
Yellow Warbler	SY-M	2610-05541	28-May-11	-	CP=3	F
Yellow Warbler	SY-M	2610-05543	28-May-11	02-Jun-11	CP=3	U/U
Yellow Warbler	SY-M	2610-05549	28-May-11	-	CP=3	U
Yellow Warbler	SY-M	2610-05557	02-Jun-11	-	CP=3	U
Yellow Warbler	SY-M	2610-05559	02-Jun-11	-	CP=3	U
Yellow Warbler	SY-M	2610-05560	04-Jun-11	-	CP=3	U
Yellow Warbler	ASY-F	2360-85060	25-May-05	28-May-11	Egg	-/SW
Yellow Warbler	ASY-F	2360-85881	09-May-08	06-May-11 07-May-11 08-May-11 19-May-11 28-May-11	- - - - BP=2, egg	-/F FE F F F
Yellow Warbler	ASY-F	2540-26669	09-May-09	28-May-11	Egg?	-/U
Yellow Warbler	ASY-F	2560-75486	14-May-10	19-May-11 28-May-11 02-Jun-11	- Egg? BP=3, egg	-/FE FE FE
Yellow Warbler	ASY-F	2610-05491	14-May-11	28-May-11 02-Jun-11	BP=3, egg BP=3, egg	U U
Yellow Warbler	ASY-F	2610-05506	14-May-11	28-May-11	Egg?	U
Yellow Warbler	SY-F	2610-05490	14-May-11	28-May-11	Egg?	W
Yellow Warbler	SY-F	2610-05511	14-May-11	- 02-Jun-11	- BP=3, egg	SW W
Yellow Warbler	SY-F	2610-05542	28-May-11	02-Jun-11	BP=3	W/W
Common Yellowthroat	ASY-M	2360-85546	05-May-07	30-Apr-11 28-May-11 04-Jun-11	- CP=3 CP=3	-/U U U
Common Yellowthroat	ASY-M	2360-85743	31-Aug-07	28-May-11	CP=3	-/F
Common Yellowthroat	ASY-M	2360-85986	30-May-08	19-May-11	CP=3	-/F
Common Yellowthroat	ASY-M	2540-26631	02-May-09	02-Jun-11	CP=3	-/F
Common Yellowthroat	ASY-M	2560-75114	13-Aug-09	19-May-11	CP=2	-/W
Common Yellowthroat	ASY-M	2610-05466	07-May-11	-	CP=2	F
Common Yellowthroat	ASY-M	2610-05551	28-May-11	-	CP=2	F
Common Yellowthroat	ASY-M	2610-05561	04-Jun-11	-	CP=3	U
Common Yellowthroat	AHY-M	2560-75052	29-May-09	19-May-11 28-May-11	CP=3 CP=3	-/U U
Common Yellowthroat	AHY-M	2560-75270	17-Sep-09	07-May-11 28-May-11 02-Jun-11	- CP=3 CP=3	-/F F F
Common Yellowthroat	SY-M	2610-05125	02-Sep-10	02-Jun-11	CP=3	-/F
Common Yellowthroat	SY-M	2610-05522	19-May-11	-	CP=3	F
Common Yellowthroat	SY-M	2610-05558	02-Jun-11	-	CP=3	F
Common Yellowthroat	ASY-F	2560-75487	14-May-10	28-May-11	Egg?	-/F
Common Yellowthroat	ASY-F	2610-05546	28-May-11	-	Egg	SW
Common Yellowthroat	SY-F	2610-05550	28-May-11	-	Egg	F

Table 6. Continued (page 4 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Song Sparrow	ASY-M	2551-44405	29-Sep-06	30-Apr-11	CP=3	-/F
Song Sparrow	ASY-M	2551-24354	02-Jun-11	-	CP=3	-/F
Song Sparrow	ASY-M	2281-10323	24-Sep-07	19-May-11 28-May-11 02-Jun-11 04-Jun-11	CP=3 CP=3 CP=3 CP=3	-/W SW SW W
Song Sparrow	ASY-M	2431-38797	18-Aug-10	09-Apr-11 02-Jun-11	- CP=3	-/U F
Song Sparrow	AHY-M	2551-03174	16-Aug-06	02-Jun-11	CP=3	-/U
Song Sparrow	AHY-M	2431-38351	26-Sep-09	03-Apr-11 09-Apr-11 02-Jun-11	- - CP=3	-/FE FE FE
Song Sparrow	SY-M	2551-24190	13-Apr-11	06-May-11 07-May-11	CP=2 CP=2	SW/FE F
Song Sparrow	SY-M	2551-24352	02-Jun-11	-	CP=3	SW
Song Sparrow	ASY-F	2551-24300	07-May-11	-	BP=3, egg	W
Song Sparrow	ASY-F	2551-24351	28-May-11	-	BP=3, egg	FE
Song Sparrow	ASY-F	2551-24356	04-Jun-11	-	BP=3, egg	FE
Song Sparrow	ASY-F	2431-38080	06-Jun-09	09-Apr-11 13-Apr-11 23-Apr-11 28-May-11	- - - BP=3	-/F F F F
Song Sparrow	AHY-F	2431-38069	23-May-09	28-May-11	BP=3, egg	-/U
Song Sparrow	SY-F	2551-24286	07-May-11	-	BP=3, egg	U
Swamp Sparrow	ASY-M	2401-00873	14-May-10	06-May-11 28-May-11	CP=3 CP=3	-/F F
Swamp Sparrow	ASY-M	2401-00918	28-May-10	07-May-11	CP=3	-/FE
Swamp Sparrow	ASY-M	2511-29381	30-Apr-11	08-May-11	CP=2	FE/FE
Swamp Sparrow	ASY-M	2511-29384	30-Apr-11	06-May-11 07-May-11 08-May-11	CP=2 CP=2 CP=2	F/F F F
Swamp Sparrow	ASY-M	2511-29416	06-May-11	08-May-11 19-May-11	CP=2 CP=2	F/F F
Swamp Sparrow	ASY-M	2511-29420	06-May-11	-	CP=3	F
Swamp Sparrow	ASY-M	2511-29424	06-May-11	-	CP=3	W
Swamp Sparrow	ASY-M	2511-29422	06-May-11	-	CP=2	FE
Swamp Sparrow	ASY-M	2511-29442	06-May-11	07-May-11	CP=2	F
Swamp Sparrow	ASY-M	2511-56057	02-Jun-11	-	CP=3	F
Swamp Sparrow	AHY-M	2511-29368	22-Apr-11	-	CP=2	W
Swamp Sparrow	AHY-M	2401-44883	29-Sep-10	04-Jun-11	CP=3	-/F
Swamp Sparrow	SY-M	2511-29382	30-Apr-11	-	CP=3	F
Swamp Sparrow	SY-M	2511-29383	30-Apr-11	28-May-11	CP=3	F/F
Swamp Sparrow	SY-M	2511-29434	06-May-11	-	CP=2	U
Swamp Sparrow	SY-M	2511-29437	06-May-11	-	CP=2	W
Swamp Sparrow	SY-M	2511-56006	14-May-11	-	CP=2	FE
Swamp Sparrow	SY-M	2511-56052	02-Jun-11	-	CP=3	F

Table 6. Continued (page 5 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Northern Cardinal	AHY-F	1292-72764	08-May-11	-	BP=3	U
Northern Cardinal	AHY-F	1292-72810	02-Jun-11	-	BP=3	U
Northern Cardinal	AHY-F	1292-72814	04-Jun-11	-	BP=3, egg	W
Red-winged Blackbird	ASY-M	1222-42998	21-Apr-07	06-May-11	CP=3	-/SW
Red-winged Blackbird	ASY-M	1232-01292	31-May-08	28-May-11	CP=3	-/U
Red-winged Blackbird	ASY-M	1232-43485	05-Apr-09	28-May-11	CP=3	-/SW
Red-winged Blackbird	ASY-M	1292-72585	20-May-10	06-May-11 28-May-11	CP=3 CP=3	-/W W
Red-winged Blackbird	ASY-M	1292-72595	28-May-10	08-May-11	CP=3	-/SW
Red-winged Blackbird	ASY-M	1292-72616	04-Jun-10	23-Apr-11	CP=2	-/SW
Red-winged Blackbird	ASY-M	1292-72730	30-Apr-11	-	CP=3	W
Red-winged Blackbird	ASY-M	1292-72752	06-May-11	-	CP=3	SW
Red-winged Blackbird	ASY-M	1292-72780	14-May-11	19-May-11	CP=3	U/U
Red-winged Blackbird	ASY-M	1292-72783	14-May-11	-	CP=3	U
Red-winged Blackbird	ASY-M	1292-72794	28-May-11	-	CP=3	U
Red-winged Blackbird	ASY-M	1292-72796	28-May-11	-	CP=2	U
Red-winged Blackbird	ASY-M	1292-72800	28-May-11	-	CP=3	U
Red-winged Blackbird	ASY-M	1292-72803	02-Jun-11	-	CP=3	SW
Red-winged Blackbird	SY-M	1292-72712	22-Apr-11	19-May-11 02-Jun-11	CP=2 CP=2	FE SW
Red-winged Blackbird	SY-M	1292-72748	06-May-11	-	CP=2	U
Red-winged Blackbird	SY-M	1292-72753	06-May-11	-	CP=2	F
Red-winged Blackbird	SY-M	1292-72755	07-May-11	28-May-11	CP=2	FE
Red-winged Blackbird	SY-M	1292-72757	07-May-11	-	CP=2	W
Red-winged Blackbird	SY-M	1292-72767	08-May-11	-	CP=2	W
Red-winged Blackbird	SY-M	1292-72769	08-May-11	14-May-11	CP=2	SW/U
Red-winged Blackbird	SY-M	1292-72781	14-May-11	-	CP=3	F
Red-winged Blackbird	SY-M	1292-72806	02-Jun-11	-	CP=1	SW
Red-winged Blackbird	SY-M	1292-72808	02-Jun-11	-	CP=1	SW
Red-winged Blackbird	SY-M	1292-72809	02-Jun-11	-	CP=2	SW
Red-winged Blackbird	SY-M	1292-72813	04-Jun-11	-	CP=2	SW
Red-winged Blackbird	SY-M	1292-72816	04-Jun-11	-	CP=2	SW
Red-winged Blackbird	SY-M	1292-72817	04-Jun-11	-	CP=2	SW
Red-winged Blackbird	SY-M	1292-72818	04-Jun-11	-	CP=2	SW
Red-winged Blackbird	ASY-F	8101-3439	27-May-05	02-Jun-11	BP=3	-/SW
Red-winged Blackbird	ASY-F	1991-01065	14-May-06	02-Jun-11	BP=3	-/W
Red-winged Blackbird	ASY-F	1991-65256	16-Apr-08	02-Jun-11	BP=3	-/FE
Red-winged Blackbird	ASY-F	1991-96130	05-Jun-08	02-Jun-11	BP=3	-/SW
Red-winged Blackbird	ASY-F	2231-53457	23-May-09	28-May-11 02-Jun-11	BP=3 BP=3	-/SW SW
Red-winged Blackbird	ASY-F	2231-53465	23-May-09	02-Jun-11	BP=3	-/U
Red-winged Blackbird	ASY-F	2231-53484	29-May-09	04-Jun-11	BP=3, egg	-/SW
Red-winged Blackbird	ASY-F	2231-53512	05-Jun-09	02-Jun-11	BP=3	-/U
Red-winged Blackbird	ASY-F	2231-53524	06-Jun-09	02-Jun-11 04-Jun-11	BP=3 BP=3	-/W W
Red-winged Blackbird	ASY-F	2231-53589	23-Apr-10	28-May-11	BP=3	-/U

Table 6. Continued (page 6 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Red-winged Blackbird	ASY-F	2411-55061	14-May-11	28-May-11	BP=3	W
Red-winged Blackbird	ASY-F	2411-55102	28-May-11	04-Jun-11	BP=3, egg	U/U
Red-winged Blackbird	ASY-F	2411-55107	28-May-11	-	BP=3	FE
Red-winged Blackbird	ASY-F	2411-55108	28-May-11	-	BP=3	U
Red-winged Blackbird	ASY-F	2411-55111	02-Jun-11	-	BP=3	W
Red-winged Blackbird	ASY-F	2411-55112	02-Jun-11	-	BP=3	W
Red-winged Blackbird	ASY-F	2411-55114	02-Jun-11	-	BP=3	SW
Red-winged Blackbird	ASY-F	2411-55115	02-Jun-11	04-Jun-11	BP=3, egg	SW/SW
Red-winged Blackbird	ASY-F	2411-55117	04-Jun-11	-	BP=3, egg	U
Red-winged Blackbird	SY-F	2411-55081	19-May-11	-	BP=3	F
Red-winged Blackbird	SY-F	2411-55103	28-May-11	-	BP=1, egg	U
Red-winged Blackbird	SY-F	2411-55105	28-May-11	-	BP=3	U
Red-winged Blackbird	SY-F	2411-55113	02-Jun-11	-	BP=3	U
Common Grackle	ASY-M	1603-41661	30-Apr-11	-	CP=2	U
Common Grackle	ASY-M	1603-41655	06-May-11	-	CP=3	U
Common Grackle	ASY-M	1603-41678	28-May-11	-	CP=3	SW
Common Grackle	ASY-M	1603-41681	28-May-11	-	CP=2	SW
Common Grackle	ASY-M	1603-41682	28-May-11	-	CP=3	SW
Common Grackle	ASY-M	1603-41686	02-Jun-11	-	CP=3	SW
Common Grackle	ASY-M	1603-41687	02-Jun-11	-	CP=3	SW
Common Grackle	ASY-M	1603-41688	02-Jun-11	-	CP=2	SW
Common Grackle	ASY-M	1603-41691	04-Jun-11	-	CP=2	SW
Common Grackle	ASY-M	1603-41695	04-Jun-11	-	CP=1	W
Common Grackle	SY-M	1603-41666	06-May-11	-	CP=3	W
Common Grackle	SY-M	1603-41670	07-May-11	-	CP=2	W
Common Grackle	SY-M	1603-41674	14-May-11	-	CP=2	W
Common Grackle	SY-F	1603-41668	07-May-11	-	BP=3, egg	U
Common Grackle	SY-F	1603-41675	14-May-11	-	BP=3	U
Common Grackle	SY-F	1603-41676	19-May-11	-	BP=3	W
Common Grackle	SY-F	1603-41679	28-May-11	-	BP=3	W
Common Grackle	SY-F	1603-41684	02-Jun-11	-	BP=1	W
Common Grackle	SY-F	1603-41685	02-Jun-11	-	BP=3	SW
Common Grackle	SY-F	1603-41689	02-Jun-11	-	BP=3, egg	SW
Common Grackle	SY-F	1603-41690	04-Jun-11	-	BP=3	U
Common Grackle	SY-F	1603-41692	04-Jun-11	-	BP=1, egg	W
Common Grackle	SY-F	1603-41693	04-Jun-11	-	BP=1, egg	SW
Common Grackle	SY-F	1603-41694	04-Jun-11	-	BP=3, egg	W
Brown-headed Cowbird	SY-F	2551-24353	02-Jun-11	-	Egg	W
Baltimore Oriole	ASY-M	2231-53509	05-Jun-09	02-Jun-11	CP=3	-/FE
Baltimore Oriole	ASY-M	2411-55077	19-May-11	-	CP=3	FE
Baltimore Oriole	SY-M	2411-55065	14-May-11	28-May-11 02-Jun-11	CP=3 CP=2	-/FE FE
Baltimore Oriole	SY-M	2411-55110	02-Jun-11	-	CP=2	FE
Baltimore Oriole	SY-M	2411-55116	04-Jun-11	-	CP=2	FE
Baltimore Oriole	ASY-F	1991-96104	19-May-08	28-May-11	BP=3	-/FE

Table 6. Continued (page 7 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Baltimore Oriole	ASY-F	2411-54912	15-May-10	19-May-11 28-May-11 02-Jun-11	- - BP=3, egg	-/U FE FE
Baltimore Oriole	ASY-F	2411-55067	14-May-11	28-May-11	BP=3	FE
Baltimore Oriole	ASY-F	2411-55106	28-May-11	-	BP=3	FE
Baltimore Oriole	ASY-F	2411-55109	02-Jun-11	-	BP=3	FE
House Finch	SY-F	2551-24337	19-May-11	-	BP=3	F
American Goldfinch	ASY-M	2511-56064	04-Jun-11	-	CP=2	F

* F=Field, FE=Field Edge, W=Willow, SW=Swamp, U=Upland.

Table 7. Returning birds banded in 2005.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Yellow Warbler	2360-85060	25-May-05	SY-F	28-May-11	8Y-F	SW
Red-winged Blackbird	8101-31439	27-May-05	ASY-F	02-Jun-11	A8Y-F	SW

* F=Field, FE=Field Edge, W=Willow, SW=Swamp, U=Upland.

Table 8. Returning birds banded in 2006.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Song Sparrow	2251-03174	16-Aug-06	HY-U	02-Jun-11	6Y-M	U
Song Sparrow	2251-44405	29-Sep-06	AHY-U	30-Apr-11	A6Y-M	F
Red-winged Blackbird	1991-01065	14-May-06	ASY-F	02-Jun-11	A7Y-F	W

* F=Field, FE=Field Edge, W=Willow, SW=Swamp, U=Upland.

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	22-Apr-11	5Y-M	SW
American Robin	1222-42974	14-Apr-07	AHY-M	02-Jun-11	A5Y-M	U
American Robin	1222-42979	20-Apr-07	AHY-M	13-Apr-11 14-May-11	A5Y-M	U U
Yellow Warbler	2360-85669	31-May-07	SY-M	28-May-11	6Y-M	W
Yellow Warbler	2360-85670	31-May-07	ASY-M	14-May-11 04-Jun-11	A6Y-M	U U
Common Yellowthroat	2360-85546	05-May-07	SY-M	30-Apr-11 28-May-11 04-Jun-11	6Y-M	U U U
Common Yellowthroat	2360-85743	31-Aug-07	AHY-M	28-May-11	A5Y-M	F
Song Sparrow	2281-10323	24-Sep-07	AHY-U	19-May-11 28-May-11 02-Jun-04 04-Jun-04	A5Y-M	W SW SW W
Red-winged Blackbird	1222-42998	21-Apr-07	SY-M	06-May-11	6Y-M	SW
Baltimore Oriole**	1841-91554	17-May-07	SY-M	14-May-11	6Y-M	FE
American Goldfinch	1601-24751	17-Apr-07	SY-M	28-May-11	6Y-M	U

* F=Field, FE=Field Edge, W=Willow, SW=Swamp, U=Upland.

** Banded as SY-M at Long Point Bird Observatory, Ontario, and first recaptured at Metro Beach in 2008.

Table 10. Returning birds banded in 2008.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Hairy Woodpecker	1232-43453	18-Oct-08	HY-M	07-May-11	4Y-M	W
American Robin	1222-87058	06-Apr-08	AHY-U	02-Jun-11	A4Y-M	SW
Yellow Warbler	2360-85881	09-May-08	SY-F	06-May-11 07-May-11 08-May-11 19-May-11 28-May-11	5Y-F	F FE F F F
Yellow Warbler	2500-25610	09-Aug-08	AHY-F	06-May-11 02-Jun-11	A4Y-M (!)	F F
Common Yellowthroat	2360-85986	30-May-08	AHY-M	19-May-11	A4Y-M	F F
Common Yellowthroat	2540-26512	26-Sep-08	HY-U	07-May-11 08-May-11	4Y-F	F F
Red-winged Blackbird	1232-01292	31-May-08	SY-M	28-May-11	5Y-M	U
Red-winged Blackbird	1991-65256	16-Apr-08	ASY-F	02-Jun-11	A5Y-F	FE
Red-winged Blackbird	1991-96130	05-Jun-08	SY-F	02-Jun-11	5Y-F	SW
Brown-headed Cowbird	2281-10631	30-Apr-08	SY-F	28-May-11	5Y-F	U
Baltimore Oriole	1991-96104	19-May-08	AHY-F	28-May-11	A4Y-F	FE
American Goldfinch	2311-71631	08-May-08	ASY-M	28-May-11	A5Y-M	F
American Goldfinch	2321-69381	30-Oct-08	AHY-M	23-Apr-11	A4Y-M	F

* F=Field, FE=Field Edge, W=Willow, SW=Swamp, U=Upland.

Table 11. Returning birds banded in 2009.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Downy Woodpecker	2431-38019	08-May-09	SY-M	06-May-11	4Y-M	U
Willow Flycatcher	2560-75080	02-Aug-09	HY-U	28-May-11 04-Jun-11	3Y-U 3Y-M	F F
House Wren	2540-26686	10-May-09	AHY-M	14-May-11	A3Y-M	U
Gray Catbird	2231-53442	23-May-09	ASY-M	19-May-11	A4Y-M	W
Yellow Warbler	2540-26632	02-May-09	SY-F	08-May-11 14-May-11 04-Jun-11	4Y-F	F FE F
Yellow Warbler	2540-26659	08-May-09	SY-M	28-May-11 02-Jun-11	4Y-M	U U
Yellow Warbler	2540-26666	08-May-09	SY-M	28-May-11	4Y-M	U
Yellow Warbler	2540-26669	09-May-09	SY-F	28-May-11	4Y-F	U
Yellow Warbler	2560-75029	23-May-09	SY-M	02-Jun-11	4Y-M	U
Yellow Warbler	2560-75055	29-May-09	SY-M	28-May-11 04-Jun-11	4Y-M	U U
Yellow Warbler	2560-75059	05-Jun-09	SY-M	14-May-11 19-May-11	4Y-M	F F
Yellow Warbler	2560-75067	06-Jun-09	SY-F	08-May-11	4Y-F	F
Common Yellowthroat	2560-75052	29-May-09	AHY-M	19-May-11 28-May-11	A3Y-M	U U
Common Yellowthroat	2560-75114	13-Aug-09	HY-U	19-May-11	3Y-M	W
Common Yellowthroat	2560-75270	17-Sep-09	HY-M	07-May-11 28-May-11 02-Jun-11	3Y-M	F F F
Song Sparrow	2431-38069	23-May-09	ASY-F	28-May-11	A4Y-F	U
Song Sparrow	2431-38080	06-Jun-09	AHY-F	09-Apr-11 13-Apr-11 23-Apr-11 28-May-11	A3Y-F	F F F F
Song Sparrow	2431-38351	26-Sep-09	HY-U	03-Apr-11 09-Apr-11 02-Jun-11	3Y-M	FE FE FE
Red-winged Blackbird	1232-43485	05-Apr-09	SY-M	28-May-11	4Y-M	SW
Red-winged Blackbird	2231-53457	23-May-09	ASY-F	28-May-11 02-Jun-11	A4Y-F	SW
Red-winged Blackbird	2231-53465	23-May-09	SY-F	02-Jun-11	4Y-F	U
Red-winged Blackbird	2231-53483	29-May-09	ASY-F	19-May-11	A4Y-F	FE
Red-winged Blackbird	2231-53484	29-May-09	SY-F	04-Jun-11	4Y-F	SW
Red-winged Blackbird	2231-53512	05-Jun-09	SY-F	02-Jun-11	4Y-F	U
Red-winged Blackbird	2231-53524	06-Jun-09	SY-F	02-Jun-11 04-Jun-11	4Y-F	W W
Baltimore Oriole	2231-53461	23-May-09	SY-M	14-May-11 19-May-11	4Y-M	FE FE

Table 11. Continued (page 2 of 2).

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Baltimore Oriole	2231-53479	25-May-09	SY-M	07-May-11 14-May-11	4Y-M	U U
Baltimore Oriole	2231-53480	29-May-09	SY-M	14-May-11	4Y-M	FE
Baltimore Oriole	2231-53509	05-Jun-09	ASY-M	02-Jun-11	A4Y-M	FE
American Goldfinch	2391-16055	18-Apr-09	SY-F	30-Apr-11	4Y-F	F
American Goldfinch	2391-16256	06-Sep-09	SY-F	23-Apr-11 19-May-11	4Y-F	F F
American Goldfinch	2401-00509	14-Oct-09	HY-F	28-May-11	3Y-F	U
American Goldfinch	2401-00522	14-Oct-09	HY-M	06-May-11 19-May-11	3Y-M	F U

* F=Field, FE=Field Edge, W=Willow, SW=Swamp, U=Upland.

Table 12. Returning birds banded in 2010.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Ruby-throated Hummingbird	L-14909	31-Aug-10	HY-F	02-Jun-11	2Y-F	W
Downy Woodpecker	2431-38019	08-May-09	SY-M	06-May-11	4Y-M	U
Downy Woodpecker	2431-38789	28-May-10	SY-M	07-May-11	3Y-M	W
Downy Woodpecker	2431-38957	25-Sep-10	HY-F	13-Apr-11	2Y-F	W
Willow Flycatcher	2610-05003	15-May-10	AHY-U	19-May-11	A2Y-U	F
Black-capped Chickadee	2610-05179	08-Sep-10	HY-U	03-Apr-11	2Y-U	F
Black-capped Chickadee	2610-05260	25-Sep-10	HY-U	23-Apr-11 06-May-11	2Y-U	SW SW
White-breasted Nuthatch	2431-38825	08-Sep-10	HY-M	03-Apr-11	2Y-M	W
Gray Catbird	2411-54940	28-May-10	SY-F	04-Jun-11	3Y-F	FE
Yellow Warbler	2560-75486	14-May-10	SY-F	19-May-11 28-May-11 02-Jun-11	3Y-F	FE FE FE
Common Yellowthroat	2560-75487	14-May-10	SY-F	28-May-11	3Y-F	F
Common Yellowthroat	2610-05096	27-Aug-10	AHY-F	14-May-11 19-May-11	A2Y-F	F U
Common Yellowthroat	2610-05125	02-Sep-10	HY-M	02-Jun-11	2Y-M	F
American Tree Sparrow	2610-05328	03-Nov-10	HY-U	23-Apr-11	2Y-U	FE
Song Sparrow	2431-38778	20-May-10	ASY-M	09-Apr-11	A3Y-M	U
Song Sparrow	2431-38793	14-Aug-10	HY-U	13-Apr-11	2Y-U	F
Song Sparrow	2431-38797	18-Aug-10	HY-U	09-Apr-11 02-Jun-11	2Y-M	U F
Song Sparrow	2431-38805	27-Aug-10	HY-U	09-Apr-11	2Y-U	SW
Swamp Sparrow	2401-00873	14-May-10	SY-M	06-May-11 28-May-11	3Y-M	F F
Swamp Sparrow	2401-00918	28-May-10	SY-M	07-May-11	3Y-M	FE
Swamp Sparrow	2401-44883	29-Sep-10	HY-U	04-Jun-11	2Y-M	F

Table 12. Continued (page 2 of 3).

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
White-throated Sparrow	2541-21800	03-Nov-10	HY-F	09-Apr-11	2Y-F	U
Northern Cardinal	1292-72538	10-Apr-10	SY-M	23-Apr-11 02-Jun-11	3Y-M	W W
Red-winged Blackbird	1292-72573	14-May-10	SY-M	06-May-11	3Y-M	SW
Red-winged Blackbird	1292-72582	20-May-10	SY-M	27-Apr-11	3Y-M	U
Red-winged Blackbird	1292-72585	20-May-10	ASY-M	05-May-11 28-May-11	A3Y-M	W W
Red-winged Blackbird	1292-72595	28-May-10	SY-M	08-May-11	3Y-M	SW
Red-winged Blackbird	1292-72616	04-Jun-10	ASY-M	23-Apr-11	A3Y-M	SW
Red-winged Blackbird	2231-53589	23-Apr-10	SY-F	28-May-11	3Y-F	U
Red-winged Blackbird	2411-54925	20-May-10	ASY-F	30-Apr-11	A3Y-F	U
Brown-headed Cowbird	2431-38725	30-Apr-10	SY-F	07-May-11	3Y-F	U
Baltimore Oriole	2411-54906	14-May-10	AHY-F	14-May-11	A2Y-F	FE
Baltimore Oriole	2411-54912	15-May-10	ASY-F	19-May-11 28-May-11 02-Jun-11	A3Y-F	U FE FE
American Goldfinch	2401-00794	16-Apr-10	SY-F	07-May-11	3Y-F	F
American Goldfinch	2401-00801	23-Apr-10	SY-M	30-Apr-11	3Y-M	F
American Goldfinch	2401-00809	23-Apr-10	SY-M	28-May-11	3Y-M	F
American Goldfinch	2401-00822	30-Apr-10	SY-M	28-May-11	3Y-M	F
American Goldfinch	2401-00824	30-Apr-10	ASY-M	14-May-11	A3Y-M	U
American Goldfinch	2401-00836	30-Apr-10	SY-F	23-Apr-11	3Y-F	F
American Goldfinch	2401-00922	14-Aug-10	HY-M	23-Apr-11 06-May-11	2Y-M	U F
American Goldfinch	2401-00960	27-Aug-10	HY-M	30-Apr-11 19-May-11	2Y-M	F F
American Goldfinch	2401-00986	27-Aug-10	AHY-M	06-May-11	A2Y-M	F
American Goldfinch	2401-44501	28-Aug-10	HY-M	30-Apr-11	2Y-M	F
American Goldfinch	2401-44527	31-Aug-10	HY-F	04-Jun-11	2Y-F	F
American Goldfinch	2401-44568	02-Sep-10	AHY-F	14-May-11	A2Y-F	F
American Goldfinch	2401-44614	05-Sep-10	HY-M	30-Apr-11	2Y-M	F
American Goldfinch	2401-44620	05-Sep-10	HY-M	28-May-11	2Y-M	F
American Goldfinch	2401-44629	05-Sep-10	HY-F	02-Jun-11	2Y-F	F
American Goldfinch	2401-44633	05-Sep-10	HY-M	30-Apr-11 28-May-11	2Y-M	F F
American Goldfinch	2401-44651	05-Sep-10	AHY-F	06-May-11	A2Y-F	F
American Goldfinch	2401-44657	05-Sep-10	HY-M	23-Apr-11	2Y-M	F
American Goldfinch	2401-44662	05-Sep-10	HY-M	30-Apr-11 07-May-11 04-Jun-11	2Y-M	F F F
American Goldfinch	2401-44672	08-Sep-10	HY-M	30-Apr-11 06-May-11 14-May-11 28-May-11	2Y-M	F U F U

Table 12. Continued (page 3 of 3).

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
American Goldfinch	2401-44683	08-Sep-10	AHY-F	07-May-11	A2Y-F	F
American Goldfinch	2401-44738	15-Sep-10	HY-M	06-May-11 08-May-11 28-May-11 04-Jun-11	2Y-M	F F F F
American Goldfinch	2401-44779	22-Sep-10	HY-F	04-Jun-11	2Y-F	F
American Goldfinch	2401-44896	07-Oct-10	HY-F	13-Apr-11	2Y-F	F
American Goldfinch	2401-44913	07-Oct-10	HY-F	30-Apr-11	2Y-F	F
American Goldfinch	2511-29001	14-Oct-10	HY-M	04-Jun-11	2Y-M	F

* F=Field, FE=Field Edge, W=Willow, SW=Swamp, U=Upland.

Table 13. Same season recaptures of migrants (with weight gain or loss noted). (Bold = Neotropical Migrant). Permanent 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 (%)
Eastern Phoebe	2610-05428	AHY-U	09-Apr-11	13-Apr-11	4	15.1	18.4	+3.3	+21.8%
Willow Flycatcher	2560-75080	AHY-M	02-Aug-09	28-May-11 04-Jun-11	- 7	- 13.9	13.9 13.6	-0.3	-2.2%
Willow Flycatcher	2610-05555	AHY-U	02-Jun-11	04-Jun-11	2	12.7	12.8	+0.1	+0.8%
Brown Creeper	2620-66241	AHY-U	09-Apr-11	23-Apr-11	14	7.8	8.0	+0.2	+2.6%
Brown Creeper	2620-66261	AHY-U	13-Apr-11	23-Apr-11	10	8.0	7.3	-0.7	-8.8%
Brown Creeper	2620-66262	AHY-U	13-Apr-11	22-Apr-11	9	9.0	7.7	-1.3	-14.4%
Brown Creeper	2620-66265	AHY-U	22-Apr-11	23-Apr-11	1	8.4	8.6	+0.2	+2.4%
House Wren	2610-05439	AHY-U	30-Apr-11	06-May-11	6	10.2	10.2	0.0	0%
House Wren	2610-05461	AHY-U	06-May-11	07-May-11	1	10.5	10.1	-0.4	-3.8%
Wood Thrush	2411-55030	SY-U	07-May-11	08-May-11	1	47.4	48.0	+0.6	+1.3%
American Robin	1222-42979	AHY-M	20-Apr-07	13-Apr-11 14-May-11	- 33	- 71.6	71.6 70.0	-1.6	-2.2%
American Robin	1292-72697	ASY-M	03-Apr-11	28-May-11	55	69.5	74.2	+4.7	+6.8%
American Robin	1292-72703	SY-F	13-Apr-11	23-Apr-11 19-May-11	10 26	87.7 80.4	80.4 87.4	-0.3	-0.3%
American Robin	1292-72706	AHY-M	23-Apr-11	08-May-11	15	72.0	74.4	+2.4	+3.3%
American Robin	1292-72707	SY-F	13-Apr-11	23-Apr-11	10	70.8	74.6	+3.8	+5.4%
American Robin	1292-72711	SY-F	22-Apr-11	23-Apr-11 07-May-11 02-Jun-11 04-Jun-11	1 15 41 43	83.4 84.3 84.2 79.0	84.3 84.2 79.0 75.8	-7.6	-9.1%
American Robin	1292-72727	SY-F	30-Apr-11	28-May-11 02-Jun-11	28 33	80.8 81.8	81.8 79.9	-0.9	-1.1%
American Robin	1292-72807	HY-U	02-Jun-11	04-Jun-11	2	70.3	71.5	+1.2	+1.7%
Gray Catbird	2411-55062	ASY-U	14-May-11	04-Jun-11	21	28.1	32.9	+4.8	+17.1%
Yellow Warbler	2360-85670	ASY-M	31-May-07	14-May-11 04-Jun-11	- 21	- 9.5	9.5 10.3	+0.8	+8.4%
Yellow Warbler	2360-85881	ASY-F	09-May-08	06-May-11 07-May-11 08-May-11 19-May-11 28-May-11	- 1 2 13 22	- 9.2 9.9 9.9 10.7	9.2 9.9 9.9 10.7 11.9	+2.7	+29.3%
Yellow Warbler	2500-25610	ASY-M	09-Aug-08	06-May-11 02-Jun-11	- 27	- 9.5	9.5 9.3	-0.2	-2.1%
Yellow Warbler	2540-26632	ASY-M	02-May-09	08-May-11 14-May-11 04-Jun-11	- 6 27	- 9.3 9.5	9.3 9.5 10.1	+0.8	+8.6%
Yellow Warbler	2540-26659	ASY-M	08-May-09	28-May-11 02-Jun-11	- 5	- 9.9	9.9 9.9	0.0	0%
Yellow Warbler	2560-75055	ASY-M	29-May-09	28-May-11 04-Jun-11	- 7	- 10.2	10.2 10.2	0.0	0%
Yellow Warbler	2560-75059	ASY-M	05-Jun-09	14-May-11 19-May-11	- 5	- 10.3	10.3 10.8	+0.5	+4.8%
Yellow Warbler	2560-75486	ASY-F	14-May-10	19-May-11 28-May-11 02-Jun-11	- 9 14	- 10.0 10.8	10.0 10.8 11.2	+1.2	+12.0%
Yellow Warbler	2610-05490	SY-F	14-May-11	28-May-11	14	8.8	10.6	+1.8	+20.4%
Yellow Warbler	2610-05491	ASY-F	14-May-11	28-May-11 02-Jun-11	14 19	8.9 11.5	11.5 10.2	+1.3	+14.6%

Table 13. Continued (page 2 of 4).

Species	Band No.	Age/Sex	Date Banded	Date Recaptured	No. of days	Original Weight (g)	Weight at Recapture (g)	Gain/Loss (g)	Gain/Loss (%)
Yellow Warbler	2610-05499	SY-M	14-May-11	28-May-11 04-Jun-11	14 21	9.3 9.4	9.4 9.8	+0.5	+5.4%
Yellow Warbler	2610-05506	ASY-F	14-May-11	28-May-11	14	9.3	10.5	+1.2	+12.9%
Yellow Warbler	2610-05511	SY-F	14-May-11	02-Jun-11	19	9.5	10.1	+0.6	+6.3%
Yellow Warbler	2610-05513	SY-M	14-May-11	19-May-11	5	9.6	9.2	-0.4	-4.2%
Yellow Warbler	2610-05542	SY-F	28-May-11	02-Jun-11	5	11.8	10.4	-1.4	-11.9%
Yellow Warbler	2610-05543	SY-M	28-May-11	02-Jun-11	5	9.4	9.6	+0.2	+2.1%
Northern Waterthrush	2511-29432	AHY-U	06-May-11	08-May-11	2	17.9	18.5	+0.6	+3.3%
Northern Waterthrush	2511-29439	AHY-U	06-May-11	08-May-11	2	16.9	15.6	-1.3	-7.7%
Common Yellowthroat	2360-85546	ASY-M	05-May-07	30-Apr-11 28-May-11 04-Jun-11	- 28 35	- 10.9 10.5	10.9 10.5 10.8	-0.1	-0.9%
Common Yellowthroat	2540-26512	AHY-F	26-Sep-08	07-May-11 08-May-11	- 1	- 9.2	9.2 8.5	-0.7	-7.6%
Common Yellowthroat	2560-75052	AHY-M	29-May-09	19-May-11 28-May-11	- 9	- 10.7	10.7 10.1	-0.6	-5.6%
Common Yellowthroat	2560-75270	AHY-M	17-Sep-09	07-May-11 28-May-11 02-Jun-11	- 21 26	- 9.3 10.3	9.3 10.3 10.0	+0.7	+7.5%
Common Yellowthroat	2610-05096	AHY-F	27-Aug-10	14-May-11 19-May-11	- 5	- 9.6	9.6 10.2	+0.6	+6.2%
Common Yellowthroat	2610-05465	SY-F	07-May-11	08-May-11 14-May-11	1 7	9.5 9.4	9.4 9.6	+0.1	+1.0%
Yellow-breasted Chat	2551-24246	ASY-M	06-May-11	07-May-11 08-May-11	1 2	24.8 -	- 23.6	-1.2	-4.8%
American Tree Sparrow	2610-05328	AHY-U	03-Nov-10	23-Apr-11	171	16.5	18.8	+2.2	+13.3%
American Tree Sparrow	2610-05409	AHY-U	03-Apr-11	09-Apr-11 23-Apr-11	6 20	17.5 17.5	17.5 18.6	+1.1	+6.3%
American Tree Sparrow	2610-05414	AHY-U	03-Apr-11	23-Apr-11	20	18.4	18.5	+0.1	+0.5%
American Tree Sparrow	2610-05418	AHY-U	09-Apr-11	13-Apr-11	4	16.9	16.6	-0.3	-1.8%
American Tree Sparrow	2610-05422	AHY-U	09-Apr-11	23-Apr-11	14	18.5	19.5	+1.0	+5.4%
American Tree Sparrow	2610-05433	AHY-U	23-Apr-11	30-Apr-11	7	17.1	18.5	+1.4	+8.2%
Song Sparrow	2281-10323	ASY-M	24-Sep-07	19-May-11 28-May-11 02-Jun-11 04-Jun-11	- 9 14 16	- 22.5 21.1 20.9	22.5 21.1 20.9 21.3	-1.2	-5.3%
Song Sparrow	2431-38080	ASY-F	06-Jun-09	09-Apr-11 13-Apr-11 23-Apr-11 28-May-11	- 4 14 49	- 21.3 22.1 20.9	21.3 22.1 20.9 21.7	+0.4	+1.9%
Song Sparrow	2431-38351	AHY-M	26-Sep-09	03-Apr-11 09-Apr-11 02-Jun-11	- 6 60	- 21.2 20.9	21.2 20.9 21.3	+0.1	+0.5%
Song Sparrow	2431-38797	AHY-M	18-Aug-10	09-Apr-11 02-Jun-11	- 54	- 21.3	21.3 20.7	-0.6	-2.8%
Song Sparrow	2551-24190	SY-M	13-Apr-11	06-May-11 07-May-11	23 24	20.6 21.6	21.6 22.3	+1.7	+8.2%
Lincoln's Sparrow	2511-29429	ASY-U	06-May-11	07-May-11	1	20.8	19.5	-1.3	-6.2%
Swamp Sparrow	2401-00873	ASY-M	14-May-10	06-May-11 28-May-11	- 22	- 18.1	18.1 18.2	+0.1	+0.6%
Swamp Sparrow	2511-29344	AHY-U	09-Apr-11	23-Apr-11	14	17.0	17.9	+0.9	+5.3%

Table 13. Continued (page 3 of 4).

Species	Band No.	Age/Sex	Date Banded	Date Recaptured	No. of days	Original Weight (g)	Weight at Recapture (g)	Gain/Loss (g)	Gain/Loss (%)
Swamp Sparrow	2511-29381	ASY-M	30-Apr-11	08-May-11	8	18.0	19.9	+1.9	+10.6%
Swamp Sparrow	2511-29383	SY-M	30-Apr-11	28-May-11	28	16.4	17.1	+0.5	+3.0%
Swamp Sparrow	2511-29384	ASY-M	30-Apr-11	06-May-11 07-May-11 08-May-11	6 7 8	16.9 18.5 17.8	18.5 17.8 18.0	+1.1	+6.5%
Swamp Sparrow	2511-29386	SY-U	30-Apr-11	06-May-11 07-May-11 14-May-11 19-May-11	6 7 14 19	15.6 15.9 14.5 17.1	15.9 14.5 17.1 16.9	+1.3	+8.3%
Swamp Sparrow	2511-29416	ASY-M	06-May-11	08-May-11 19-May-11	2 13	15.4 16.4	16.4 17.3	+1.9	+12.3%
Swamp Sparrow	2511-29417	SY-U	06-May-11	08-May-11	2	15.4	16.1	+0.7	+4.5%
Swamp Sparrow	2511-29421	AHY-U	06-May-11	19-May-11	13	14.6	17.2	+2.6	+17.8%
Swamp Sparrow	2511-29430	SY-U	06-May-11	07-May-11 08-May-11	1 2	15.5 15.7	15.7 15.3	-0.2	-1.3%
Swamp Sparrow	2511-29436	ASY-U	06-May-11	08-May-11	2	18.6	18.3	-0.3	-1.6%
Swamp Sparrow	2511-29466	SY-U	07-May-11	08-May-11 19-May-11	1 12	15.1 13.9	13.9 17.3	+2.2	+14.6%
White-throated Sparrow	2541-21800	SY-F	03-Nov-10	09-Apr-11	157	24.2	26.5	+2.3	+9.5%
White-throated Sparrow	2551-24212	SY-U	30-Apr-11	06-May-11	6	30.2	28.1	-2.1	-7.0%
White-throated Sparrow	2551-24282	SY-U	06-May-11	08-May-11	2	28.0	25.4	-2.6	-9.3%
Red-winged Blackbird	1292-72585	ASY-M	20-May-10	06-May-11 28-May-11	- 22	- 66.7	66.7 63.6	-3.1	-4.6%
Red-winged Blackbird	1292-72691	SY-M	03-Apr-11	09-Apr-11	6	67.6	63.1	-4.5	-6.6%
Red-winged Blackbird	1292-72712	SY-M	22-Apr-11	19-May-11 02-Jun-11	27 41	69.6 70.1	70.1 66.3	-3.3	-4.7%
Red-winged Blackbird	1292-72717	ASY-M	23-Apr-11	08-May-11	15	68.7	67.4	-1.3	-1.9%
Red-winged Blackbird	1292-72755	SY-M	07-May-11	28-May-11	21	66.9	62.6	-4.3	-6.4%
Red-winged Blackbird	1292-72769	SY-M	08-May-11	14-May-11	6	65.9	65.4	-0.4	-0.6%
Red-winged Blackbird	1292-72780	ASY-M	14-May-11	19-May-11	5	66.6	70.0	+3.4	+5.1%
Red-winged Blackbird	2231-53457	ASY-F	23-May-09	28-May-11 02-Jun-11	- 5	- 41.0	41.0 36.6	-3.4	-8.3%
Red-winged Blackbird	2231-53524	ASY-F	06-Jun-09	02-Jun-11 04-Jun-11	- 2	- 40.7	40.7 38.6	-2.1	-5.2%
Red-winged Blackbird	2411-55032	ASY-F	07-May-11	14-May-11	7	33.2	33.4	+0.2	+0.6%
Red-winged Blackbird	2411-55061	ASY-F	14-May-11	28-May-11	14	40.1	35.0	-5.1	-12.7%
Red-winged Blackbird	2411-55063	ASY-F	14-May-11	19-May-11	5	42.3	42.7	+0.4	+0.9%
Red-winged Blackbird	2411-55102	ASY-F	28-May-11	04-Jun-11	7	43.5	42.1	-1.4	-3.2%
Red-winged Blackbird	2411-55115	ASY-F	02-Jun-11	04-Jun-11	2	41.7	43.3	+1.6	+3.8%
Baltimore Oriole	2231-53461	ASY-M	23-May-09	14-May-11 19-May-11	- 5	- 28.8	28.8 29.6	+0.8	+2.8%
Baltimore Oriole	2231-53479	ASY-M	25-May-09	07-May-11 14-May-11	- 7	- 35.0	35.0 30.6	-4.4	-12.6%
Baltimore Oriole	2411-54912	ASY-F	15-May-10	19-May-11 28-May-11 02-Jun-11	- 9 14	- 31.3 32.4	31.3 32.4 30.9	-0.4	-1.3%
Baltimore Oriole	2411-55060	SY-M	14-May-11	19-May-11	5	27.9	32.3	+4.4	+15.8%
Baltimore Oriole	2411-55065	SY-M	14-May-11	28-May-11 02-Jun-11	14 19	26.3 32.5	32.5 32.5	+5.2	+19.8%
Baltimore Oriole	2411-55067	ASY-F	14-May-11	28-May-11	14	27.6	34.8	+7.2	+26.1%

Table 13. Continued (page 4 of 4).

Species	Band No.	Age/Sex	Date Banded	Date Recaptured	No. of days	Original Weight (g)	Weight at Recapture (g)	Gain/Loss (g)	Gain/Loss (%)
American Goldfinch	2391-16256	ASY-F	06-Sep-09	23-Apr-11 19-May-11	- 26	- 12.9	12.9 12.9	0.0	0%
American Goldfinch	2401-00522	ASY-M	14-Oct-09	06-May-11 19-May-11	- 14	- 11.5	11.5 11.6	+0.1	+0.9%
American Goldfinch	2401-00922	SY-M	14-Aug-10	23-Apr-11 06-May-11	- 13	- 12.9	12.9 12.9	0.0	0%
American Goldfinch	2401-00960	SY-M	27-Aug-10	30-Apr-11 19-May-11	- 19	- 12.0	12.0 11.6	-0.4	-3.3%
American Goldfinch	2401-44633	SY-M	05-Sep-10	30-Apr-11 28-May-11	- 28	- 12.8	12.8 12.2	-0.6	-4.7%
American Goldfinch	2401-44662	SY-M	05-Sep-10	30-Apr-11 07-May-11 04-Jun-11	- 7 35	- 12.9 12.6	12.9 12.6 13.1	+0.2	+1.6%
American Goldfinch	2401-44672	SY-M	08-Sep-10	30-Apr-11 06-May-11 14-May-11 28-May-11	- 6 14 28	- 12.0 11.7 11.4	12.0 11.7 11.4 11.6	-0.4	-3.3%
American Goldfinch	2401-44738	SY-M	15-Sep-10	06-May-11 08-May-11 28-May-11 04-Jun-11	- 2 22 29	- 13.1 13.0 12.8	13.1 13.0 12.8 12.3	-0.8	-6.1%
American Goldfinch	2511-29337	SY-M	03-Apr-11	23-Apr-11	20	14.2	15.2	+1.0	+7.0%
American Goldfinch	2511-29345	SY-F	09-Apr-11	23-Apr-11	14	13.0	13.7	+0.7	+5.4%
American Goldfinch	2511-29350	SY-M	09-Apr-11	23-Apr-11	14	12.5	13.0	+0.5	+4.0%
American Goldfinch	2511-29355	SY-F	09-Apr-11	23-Apr-11 30-Apr-11 28-May-11	14 21 49	14.3 13.4 13.5	13.4 13.5 13.3	-1.0	-7.0%
American Goldfinch	2511-29356	SY-M	09-Apr-11	13-Apr-11	4	14.6	14.0	-0.6	-4.1%
American Goldfinch	2511-29444	SY-M	06-May-11	08-May-11	2	14.3	15.2	+0.9	+6.3%
American Goldfinch	2511-29453	SY-F	07-May-11	04-Jun-11	28	12.9	12.3	-0.6	-4.6%
American Goldfinch	2511-56013	SY-F	14-May-11	28-May-11	14	12.0	12.4	+0.4	+3.2%
American Goldfinch	2511-56025	SY-M	19-May-11	02-Jun-11	14	11.3	11.9	+0.6	+5.3%
American Goldfinch	2511-56055	SY-F	02-Jun-11	04-Jun-11	2	12.1	12.0	-0.1	-0.8%
Total birds with weight gains								60	-
Total birds with weight loss								44	-
Average weight gain								+7.5%	
Average weight loss								-5.1%	

SPRING 2011 - PHOTO HIGHLIGHTS



Only a few Ruby-throated Hummingbirds are banded each spring. The after hatch-year female in the photo above, recaptured on 2 June 2011, was originally banded in August 2010 as a hatch-year female (this makes her a known second-year based on banding date, but there are no characters to identify this age classification in Ruby-throats). This is the first hummingbird to be recaptured in a subsequent year at Metro Beach.



Michigan is at the northern edge of the Acadian Flycatcher's breeding range, and only 10 have been banded at Metro Beach between 1989-2004. This individual was captured on 14 May 2011. They are the largest *Empidonax* flycatcher in Michigan, and are a fairly uniform olive-green on the upperparts with a complete buffy or yellowish eye ring, and grayish-white throat.



The first Black-billed Cuckoo since 1996 was this after second-year bird on 28 May 2011. Volunteers present that day were surprised to see that the inside of the mouth was a very deep black, and to hear its spooky in-hand vocalizations that are never heard in the field.



Also of interest on this Black-billed Cuckoo was the bluish base of the bill, and of course the bright red eye ring.

SPRING 2011 - PHOTO HIGHLIGHTS



Alder Flycatchers are occasionally confirmed at Metro Beach, based on measurements, as was this individual on 2 June 2011. They may sometimes breed in the area, but no evidence of that was provided this year. Alders are nearly identical to Willows, so although this individual appears darker and more colorful appearance, and shows a more complete eye ring it still may not be identified in the field without hearing it vocalize. This photo shows well the snowy-white throat that both species possess.



This Willow Flycatcher was captured on 2 June 2011, the same day as the Alder Flycatcher above, and was confirmed to species based on measurements. It is paler, less compact, and shows a less distinct eye ring, but again vocalizations would be required to identify it in the field.



Blue-gray Gnatcatchers are only occasionally captured at Metro Beach, very few of them in spring, and very few have been males, which are identified by the black line over the forehead and eyes. This individual was also banded rather early; 30 April 2011.



Before 2010, Marsh Wrens had never been banded in spring at Metro Beach. Since they nest very near the banding area, this has long been a mystery why they have been captured only in fall, and often well away from the cattail marsh. This individual on the fairly early date of 30 April 2011 was out near the cattails, and the only one this spring (2 in spring 2010).

SPRING 2011 - PHOTO HIGHLIGHTS



For the second spring in a row, a Hermit Thrush was found well after their main migration had ended. There is no suitable breeding habitat at Metro Beach, so it is open to speculation why this second-year bird turned up in late May and was finally captured and banded on 4 June 2011. It appeared healthy.



This after second year male Blue-winged Warbler, banded on 6 May 2011, had an odd pattern on the cheeks, suggesting the black patch of Golden-winged Warbler. Apparently, this bird is a hybrid, but it can't easily be categorized as "Brewster's" or "Lawrence's", the two most diagnostic combinations.



This after second-year male Yellow-breasted Chat was banded on 6 May 2011, and recaptured again on the 7th and 8th.



This was only the 8th Yellow-breasted Chat ever banded at Metro Beach, and the first since fall 2005.

SPRING 2011 - PHOTO HIGHLIGHTS



Eastern Towhees are not captured every year at Metro Beach, so it was unusual to band two this spring, both of them second-year males.



The eye color of Eastern Towhees can be used in the fall to tell their age; hatch-year birds have brown eyes and after hatch-years have red. But in spring, it is better to look at the molt as their eyes can often turn red over the winter.



It was a record year for American Tree Sparrows this spring, with more than twice the previous record, and birds staying at least 10 days longer into spring than previously documented. In addition this individual, banded on 3 November 2010, was recaptured on 23 April 2011, the first banded bird known to have over-wintered (though this is presumed to be a common occurrence).



This Field Sparrow, banded on 6 May 2011 was only the 7th ever banded at Metro Beach since 1990, but was the 4th since 2004, with the apparent increase likely a result of consistently operating three nets out in the open field, which was not done before 2004.

SPRING 2011 - PHOTO HIGHLIGHTS



This White-throated Sparrow also provided a first overwintering of a banded bird, as it was banded on 3 November 2010 and recaptured on 9 April 2011, about two weeks before the migrant White-throats arrived. As with American Tree Sparrow, it is presumed that this species over-winters in the banding area fairly often, but this is the first documented connection between fall and spring.



It was a record year for Baltimore Orioles at Metro Beach. This after second-year male was banded on 2 June 2011. In addition to record numbers of newly banded orioles, there was a good number of returnees from previous years, including one individual originally banded in Ontario, Canada in 2007 and recaptured at Metro Beach in 2008!



Rusty Blackbirds migrate mainly in mid-April in southern Michigan, and they are very difficult to catch as they prefer to feed on the edges of open ponds, flipping over leaves searching for invertebrate prey, and spending the rest of the time in treetops. This second-year female was banded on 9 April 2011.



This was only the 10th Rusty Blackbird banded here since 1989, and only the 4th since 2004 (one was banded in 2005 and two were banded in 2006).