

Spring 2010 Banding Summary

Metro Beach Metropark

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Permit No. 23156

INTRODUCTION

The spring of 2010 was the seventh 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). A thistle sock feeder was placed inside the “U” of the Field Nets, and hummingbird feeders were placed near the Field Edge net with an empty decoy feeder on the opposite side on banding days. The Swamp Nets were reconfigured to an enclosed U-shape, using two 18-meter nets and one 12-meter net. The second 18-meter net came from the Willow East location, which was replaced with a 12-meter net.

After the treatment of the *Phragmites* in the marsh and marsh edge area with herbicide last fall, a follow-up controlled burn was supposed to happen in late winter or early spring. For a variety of reasons, the burn was not conducted until quite late, the third week in April. As expected much of the area surrounding the Field Nets, but not within 20 yards, was burned. Unexpected was the burned areas in the woods north of the road, affecting the Upland Nets as well.

Temperatures were above normal beginning in mid-March continuing throughout April. In May, temperatures were about normal. Both April and May were wetter than normal, and much wetter than last year, and the entire banding area was quite wet and muddy all season. Rain, thunderstorms, and high wind hampered banding efforts on a couple days in early May.

White-tailed Deer were again in evidence in the banding area. Three nets were damaged. Two of the 18-meter Swamp Nets were damaged but were repairable (though both are in need of replacement as they’re getting old), and the single 12-meter Upland Net sustained damage to the bottom shelf on the last day of banding, which will require this net to be modified for use in the field and replaced with a new net. A worse deer problem, one that also occurred last fall, was that two Yellow Warblers that were killed – one in the Field Nets and one in the Upland Nets – as the deer were attempting to eat them. Such deer predation at banding stations has been documented at other banding stations (and occurred last fall here too, with 3 American Goldfinches being eaten), and there is also well documented evidence of deer eating nestlings right out of nests in grassland and marsh areas, constituting yet another threat of deer overpopulation in addition to the well known threat to vegetation and habitat. The deer in this park are not hunted and are very comfortable around humans, so are very difficult to chase away from the banding area.

SPRING 2010 RESULTS

Banding was conducted on 16 days between 3 April and 4 June, with nets open a total of 99.50 hours (1186.625 net hours). A total of 576 new birds of 61 species were banded, plus 188 recaptures (including 109 returnees from previous years) and 25 released unbanded, for a total of 789 captures and a capture rate of 66.5 birds per 100 net hours. This is the fourth highest number of Net Hours since 2004 but the third lowest number of new birds banded (and the sixth lowest since 1989). This was the lowest capture rate (birds per 100 net hours) since 2004 by a considerable margin. 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
2010	16	1186.63	576	188	25	789	66.5	61

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

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

It is tempting to correlate the reduced results this spring with the controlled burn, but other factors could be involved as well. Prior to the burn, the month of April was shaping up to be the worst ever, and prior to April 30 (when a good number was finally captured) the number banded was equal to April of 2004 when only 95 birds were banded and was less than April 2005 which saw only 121 banded. But, in 2004 and 2005 only 6 days were covered while in 2010, 8 days were covered and the final total of 156 this April put it at third worst since 2004. The consistently warm conditions beginning in mid-March continuing through the end of April seemed to push out many overwintering birds, and banding totals for these early migrant species (Eastern Phoebe, Winter Wren, Brown Creeper, Golden-crowned Kinglet, Hermit Thrush, Fox Sparrow, Dark-eyed Junco, and American Tree Sparrow) were quite dismal.

In the first half of May, two of the four days covered were severely hampered by weather; rain on one day and high winds on another, which significantly reduced the number of hours and net hours. The windy conditions on 8 May only allowed four sheltered nets to be open, and only for about two hours, but resulting in the best capture of swallows ever at the site. The last half of May was hampered, again, by a lack of volunteers (and a poorly timed need for me to serve a day of jury duty in the middle of the third week). So only two of the planned four days were covered in late May, but things were back on track for the first week of June with two days covered. Late migrants were not at all in evidence in early June this year, however, and Mourning Warbler 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. Reduced coverage in late May could be the reason we completely missed Gray-cheeked Thrush, and reduced our chances for other infrequently captured species like Philadelphia Vireo, Bay-breasted, Blackpoll, and Cape May Warblers. The peak day was 20 May with 107 birds banded (plus 20 recaptures and 4 released unbanded), and it was also the most diverse day with 27 species (plus 4 additional species recaptured or released unbanded).

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, even more than in 2009 which is surprising given the proximity of these nets to the burned areas. Higher captures in the Willow Nets were due to one particularly good day. The Upland Nets were the main nets catching thrushes and many of the sparrows, and captures in the Swamp Nets were increased greatly on the one day when they were the only nets open and caught a lot of swallows. Several species that have been caught mainly in the Field Nets in previous years (Yellow Warbler, Common Yellowthroat, White-throated Sparrow, Red-winged Blackbird) seem to have moved away from them, probably due to the burn. 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)	167	29.0%	12.9%
Field Edge (1.0 net)	33	5.7%	5.7%
Willow (2.0 nets)	110	19.1%	9.6%
Upland (4.0 nets)	134	23.3%	5.8%
Swamp (4.0 nets)	132	22.9%	5.8%

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%	50.0%	16.7%	16.7%	-
Swainson's Thrush	6.3%	6.3%	6.3%	62.5%	18.8%
Hermit Thrush	-	-	30.0%	60.0%	10.0%
American Robin	52.0%	4.0%	12.0%	12.0%	20.0%
Yellow Warbler	57.7%	7.7%	11.5%	19.2%	3.8%
Common Yellowthroat	11.5%	11.5%	23.1%	53.8%	-
All warblers	22.7%	5.4%	41.8%	23.6%	6.4%
Swamp Sparrow	47.5%	12.5%	32.5%	7.5%	-
White-throated Sparrow	8.1%	21.6%	32.4%	27.0%	10.8%
Red-winged Blackbird (M)	4.3%	-	4.3%	65.2%	26.1%
Red-winged Blackbird (F)	13.8%	-	6.9%	58.6%	20.7%
Red-winged Blackbird (all)	9.6%	-	5.8%	61.5%	23.1%
American Goldfinch	100.0%	-	-	-	-

Despite the low numbers banded, there were quite a few unusual captures this spring, including an after second-year male Cooper's Hawk on 20 May that was first ever banded here, although one was released unbanded in fall 1995. A female Red-bellied Woodpecker on 3 June was only the third ever banded here, all since 2007. An Eastern Wood-Pewee on 4 June was only the third in spring since 2004 (most are captured in fall). A Great Crested Flycatcher on 28 May was only the third since 2004, all in spring. A male White-breasted Nuthatch on 15 May was only the fourth since 2004 and the sixth since 1990, and the first ever in spring. Oddly, it was captured in the Field Nets. Two Marsh Wrens, one on 30 April and one on 20 May, were the first ever banded here in spring. This may have been due to the lack of cover due to the burn when they arrived in late April. A female Blue-gray Gnatcatcher on 14 May was only the sixth since 2004, all in spring. A male Northern Parula on 20 May was only the second in spring since 2004 and the fourth in spring since 1990. It was also a personal first spring male. A Field Sparrow on 7 May was only the third since 2004, the second in spring, and the sixth since 1990. A Savannah Sparrow on 14 May was the third since 2004 and only the fourth ever, all in spring.

Flycatcher numbers were rather low, with Eastern Phoebe missed for the first spring since 2004, and Yellow-bellied Flycatcher missed for the third spring. Carolina Wren was missed for the third spring since 2004, and was never even observed or heard on any day this spring, the first time for this since 2004. A single Winter Wren was disappointing. Brown Creeper numbers were the lowest in spring since 1997, when banding was not begun until after the peak of their migration. The number of Swainson's Thrushes was encouraging as they were captured in the highest number since 2004, equal to the 1990-1999 average for the first time, but Veery and Hermit Thrush numbers were low and Gray-cheeked Thrush was missed entirely for only the second spring since 2004. The number of kinglets was very low, the worst spring in many years for both species.

Red-eyed Vireo has yet to be captured in spring since the last were banded in 1996 and Philadelphia Vireo was also missed as it has been most springs. On the bright side, a good number of Warbling Vireos were banded this spring. Warbler numbers were definitely down, with slightly more than 100 individuals of 15 species. Orange-crowned and Black-throated Green Warblers were missed for only the second spring since 2004, and Mourning Warbler missed for the first time. All other warbler species were at or near the lowest number since 2004 with the exception of Canada Warbler which, due to one good day, was captured in the third highest numbers. This may indicate 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 presented a mixed picture, with Yellow below average and Common Yellowthroat above average.

Sparrow numbers were also down, with American Tree and Fox Sparrows missed entirely, most likely due to the early and prolonged warm spell from mid-March throughout April. Only 9 Song Sparrows banded was the lowest ever by a considerable margin, and the 37 White-throated Sparrows tied the lowest since 2004, which occurred in spring 2008. Swamp Sparrows were in about average numbers, while the 15 Lincoln's Sparrows broke the spring 2007 record by one. Red-winged Blackbirds were oddly nearly absent in April, but rallied in late May and the first week of June to come in with about normal numbers, but far less than the high numbers of the past two spring seasons. Details for individual species can be found in Table 5 below.

Breeding evidence was found for the following species: 1 Red-bellied Woodpecker (female), 5 Downy Woodpeckers (3 males, 2 females), 2 Northern Flickers (1 male, 1 female), 1 Alder Flycatcher (female), 1 Willow Flycatcher (male), 1 Great Crested Flycatcher (female), 2 Warbling Vireos (males), 13 Tree Swallows (males), 5 Black-capped Chickadees (females), 2 Tufted Titmice (1 male, 1 female), 3 House Wrens (2 males, 1 female), 1 Wood Thrush (male), 28 American Robins (13 males, 14 females, 1 hatch-year), 4 Gray Catbirds (3 males, 1 female), 4 European Starlings (2 males, 2 females), 15 Yellow Warblers (11 males, 4 females), 11 Common Yellowthroats (9 males, 2 females), 17 Song Sparrows (13 males, 4 females), 7 Swamp Sparrows (5 males, 2 females), 45 Red-winged Blackbirds (17 males, 28 females), 8 Common Grackles (2 males, 6 females), 2 Brown-headed Cowbirds (females carrying eggs), and 5 Baltimore Orioles (4 males, 1 female). Details can be found in Table 6 below. With the exception of Tree Swallows, this is generally less than in 2009, which was less than in 2008. 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 some species but unexpectedly low for others. These are summarized in Table 4 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 is one such encounter to report. A Brown-headed Cowbird banded on 6 June 2009 as a SY-F was found dead 8 miles north of Clyde, Sandusky County, Ohio (80 miles S of Metro Beach) on 10 October 2009. Another interesting report comes from the Nature Center staff, who report that on 23 January 2010, during the cleaning out of the wash tub that the Great Horned Owls nest in, a band was found. The band (No. 2281-10058) was put on an ASY-U White-throated Sparrow on 27 April 2007. This nest tub is not cleaned out every year, so it is likely the sparrow was taken by the owls in 2007, but this does seem to add the species to the known food items of Great Horned Owls.

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

	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)	0 (0)

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 one pure migrant, an Ovenbird, was recaptured. 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. The significant weight losses shown by all of the Gray Catbirds are puzzling. Sometimes migrants may arrive on the breeding grounds still carrying some fat, but that does not appear to be the case with the catbirds. Table 13 below provides details of weight gains and losses detected during Spring 2010.

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, and Michelle Serreyn. I would also like to thank Paul Muelle, director of natural resources for the Huron-Clinton Metroparks, for working with us during the controlled burn, and for agreeing to provide funding to replace mist nets damaged by White-tailed Deer last year.

Banding this spring simply could not have been done without the able assistance of the following 23 volunteers: Elaine Attridge, John Bieganowski, David Boon, Mary Buchowski, Andrea Charlebois, Chris Charlebois, Jacob Charlebois, Michael Charlebois, Jean Gramlich, Amanda Grimm, Gisela Lendle-King, Dave Lancaster, Harry Lau, Rose Lau, Tessa Lau, Lisa McArthur, Jerry McHale, Jennifer Munson, Aaron Potts, Tom Schlack, Rachelle Sterling, Joan Tisdale, and Judi Wade.

Table 5. Birds banded at Metro Beach Metropark in Spring 2010, compared with the 1990-1999 average and the 2004-2009 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	2004-2009 Average	2010 Totals	Returns
Cooper's Hawk	0	0	1 (0.08)	
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	0	
Whip-poor-will	0.2 (0.02)	0	0	
Ruby-throated Hummingbird	0	5.8 (0.56)	6 (0.51)	
Red-bellied Woodpecker	0	0.2 (0.02)	1 (0.08)	
Yellow-bellied Sapsucker	0.1 (0.01)	0	0	
Downy Woodpecker	3.6 (0.42)	4.5 (0.42)	1 (0.08)	4
Hairy Woodpecker	0.2 (0.02)	0.7 (0.06)	0	
Northern Flicker	0.8 (0.09)	1.8 (0.17)	1 (0.08)	1
Olive-sided Flycatcher	0.2 (0.02)	0	0	
Eastern Wood-Pewee	1.4 (0.16)	0.3 (0.03)	1 (0.08)	
Yellow-bellied Flycatcher	14.1 (1.63)	1.8 (0.17)	0	
Acadian Flycatcher	0.3 (0.03)	0.2 (0.02)	0	
Alder Flycatcher	0.2 (0.02)	2.2 (0.20)	1 (0.08)	
Willow Flycatcher	0.1 (0.01)	2.2 (0.20)	3 (0.25)	1
"Traill's" Flycatcher	6.4 (0.67)	4.7 (0.44)	2 (0.17)	
Least Flycatcher	8.0 (0.93)	2.5 (0.24)	0	
Eastern Phoebe	0.2 (0.02)	3.3 (0.31)	0	
Great Crested Flycatcher	0.7 (0.08)	0.3 (0.03)	1 (0.08)	
Eastern Kingbird	0.1 (0.01)	0.2 (0.02)	0	
White-eyed Vireo	0.7 (0.08)	1.5 (0.14)	0	
Blue-headed Vireo	0.6 (0.07)	0.2 (0.02)	0	
Warbling Vireo	5.8 (0.67)	3.2 (0.30)	7 (0.59)	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)	5.8 (0.55)	1 (0.08)	
Tree Swallow	0.2 (0.02)	2.8 (0.27)	13 (1.10)	1
Northern Rough-winged Swallow	0.6 (0.07)	5.0 (0.47)	53 (4.47)	
Barn Swallow	0	0.8 (0.08)	19 (1.60)	
Black-capped Chickadee	3.2 (0.37)	7.5 (0.71)	9 (0.76)	4
Tufted Titmouse	0.2 (0.02)	0.3 (0.03)	2 (0.17)	
White-breasted Nuthatch	0	0	1 (0.08)	
Brown Creeper	1.5 (0.17)	10.8 (1.02)	4 (0.34)	
Carolina Wren	0.1 (0.01)	1.8 (0.17)	0	

Table 5. Continued (page 2 of 3).

Species	1990-1999 Average	2004-2009 Average	2010 Totals	Returns
House Wren	6.7 (0.78)	7.0 (0.66)	6 (0.51)	
Winter Wren	2.9 (0.34)	2.7 (0.25)	1 (0.08)	
Sedge Wren	0.1 (0.01)	0	0	
Marsh Wren	0	0	2 (0.17)	
Golden-crowned Kinglet	1.5 (0.17)	12.0 (1.13)	7 (0.59)	
Ruby-crowned Kinglet	25.0 (2.89)	14.3 (1.35)	1 (0.08)	
Blue-gray Gnatcatcher	1.8 (0.21)	0.8 (0.08)	1 (0.08)	
Veery	6.0 (0.69)	7.0 (0.66)	4 (0.73)	
Gray-cheeked Thrush	2.1 (0.24)	1.7 (0.16)	0	
Swainson's Thrush	15.3 (1.77)	8.0 (0.75)	16 (1.35)	
Hermit Thrush	12.7 (1.47)	16.0 (1.51)	10 (0.84)	
Wood Thrush	1.5 (0.17)	1.3 (0.13)	1 (0.08)	
American Robin	17.8 (2.06)	29.8 (2.81)	25 (2.11)	5
Gray Catbird	15.6 (1.81)	20.0 (1.88)	15 (1.26)	
Brown Thrasher	1.3 (0.15)	1.0 (0.09)	1 (0.08)	
European Starling	2.7 (0.31)	1.2 (0.11)	4 (0.34)	
Cedar Waxwing	0.4 (0.05)	0.5 (0.05)	0	
Blue-winged Warbler	0.3 (0.03)	1.0 (0.09)	0	
Golden-winged Warbler	0.2 (0.02)	0.3 (0.03)	0	
"Brewster's" Warbler	0.1 (0.01)	0.2 (0.02)	0	
Tennessee Warbler	4.0 (0.46)	0.3 (0.03)	0	
Orange-crowned Warbler	0.6 (0.07)	1.5 (0.14)	0	
Nashville Warbler	3.7 (0.43)	6.3 (0.60)	2 (0.17)	
Northern Parula	0.2 (0.02)	0.2 (0.02)	1 (0.08)	
Yellow Warbler	26.4 (3.06)	37.3 (3.52)	26 (2.19)	18
Chestnut-sided Warbler	6.9 (0.80)	3.5 (0.33)	3 (0.25)	
Magnolia Warbler	26.4 (3.06)	16.7 (1.57)	12 (0.93)	
Cape May Warbler	0.7 (0.08)	0	0	
Black-throated Blue Warbler	3.4 (0.39)	1.7 (0.16)	5 (0.34)	
Yellow-rumped Warbler	15.5 (1.79)	7.2 (0.67)	5 (0.42)	
Black-throated Green Warbler	1.1 (0.13)	2.8 (0.27)	0	
Blackburnian Warbler	0.8 (0.09)	1.0 (0.09)	0	
Prairie Warbler	0	0.2 (0.02)	0	
(Western) Palm Warbler	1.5 (0.17)	2.0 (0.19)	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)	4.5 (0.42)	1 (0.08)	
Hybrid Warbler (BAWWxGWWA?)	0	0.2 (0.02)	0	
American Redstart	16.0 (1.85)	4.8 (0.46)	6 (0.42)	
Worm-eating Warbler	0	0.2 (0.02)	0	
Prothonotary Warbler	0.1 (0.01)	0	0	
Ovenbird	7.4 (0.86)	8.7 (0.82)	7 (0.59)	

Table 5. Continued (page 3 of 3).

Species	1990-1999 Average	2004-2009 Average	2010 Totals	Returns
Northern Waterthrush	7.1 (0.82)	10.2 (0.96)	4 (0.34)	
Louisiana Waterthrush	0	0.2 (0.02)	0	
Connecticut Warbler	0.2 (0.02)	0	0	
Mourning Warbler	5.5 (0.64)	4.0 (0.38)	0	
Common Yellowthroat	29.4 (3.40)	22.2 (2.09)	26 (2.19)	14
Wilson's Warbler	13.5 (1.56)	11.0 (1.04)	5 (0.42)	
Canada Warbler	6.9 (0.80)	4.8 (0.46)	6 (0.51)	
Hooded Warbler	0.1 (0.01)	0.3 (0.03)	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)	7.7 (0.72)	3 (0.25)	3
Rose-breasted Grosbeak	1.9 (0.20)	0.5 (0.05)	0	
Indigo Bunting	0.6 (0.07)	1.0 (0.09)	0	
Eastern Towhee	0.2 (0.02)	0.3 (0.03)	0	
American Tree Sparrow	0.3 (0.03)	2.7 (0.25)	0	
Field Sparrow	0.2 (0.02)	0.2 (0.02)	1 (0.08)	
Savannah Sparrow	0.1 (0.01)	0.3 (0.03)	1 (0.08)	
Fox Sparrow	0.1 (0.01)	3.7 (0.35)	0	
Song Sparrow	11.8 (1.37)	21.5 (2.02)	9 (0.76)	19
Lincoln's Sparrow	13.3 (1.54)	9.7 (0.91)	15 (1.26)	
Swamp Sparrow	54.0 (6.25)	46.7 (4.39)	40 (3.37)	5
White-throated Sparrow	36.4 (4.21)	71.0 (6.69)	37 (3.12)	
White-crowned Sparrow	1.9 (0.22)	4.3 (0.41)	3 (0.25)	
Dark-eyed Junco	0.1 (0.01)	1.2 (0.11)	1 (0.08)	
Red-winged Blackbird	31.1 (3.60)	72.3 (6.81)	52 (4.38)	9
Rusty Blackbird	0.6 (0.07)	0.5 (0.05)	0	
Common Grackle	7.8 (0.90)	16.7 (1.57)	8 (0.67)	2
Brown-headed Cowbird	5.9 (0.68)	7.3 (0.69)	10 (0.84)	
Baltimore Oriole	4.9 (0.57)	9.7 (0.91)	5 (0.42)	8
House Finch	1.6 (0.19)	0.8 (0.08)	2 (0.17)	
American Goldfinch	24.7 (2.86)	33.5 (3.15)	58 (4.89)	14
House Sparrow	0.5 (0.06)	0.3 (0.03)	0	

Table 6. Breeding Evidence of Birds captured at Metro Beach Metropark in Spring 2010.
(BP=Brood Patch, CP=Cloacal Protuberance, 1=min., 3=max.)

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Red-bellied Woodpecker	ASY-F	1292-72612	03-Jun-10	-	BP=3	U
Downy Woodpecker	ASY-M	2291-90935	16-Oct-08	20-May-10	BP=3	-/SW
Downy Woodpecker	ASY-M	2431-38019	08-May-09	03-Jun-10	BP=3	-/W
Downy Woodpecker	ASY-F	2431-38126	13-Aug-09	15-May-10	BP=3	-/U
Downy Woodpecker	SY-F	2431-38522	14-Oct-09	15-May-10	BP=3, egg	-/W
Downy Woodpecker	SY-M	2431-38789	28-May-10	-	BP=3	W
Northern Flicker	ASY-M	1603-19692	24-Apr-09	20-May-10	BP=3	-/U
Northern Flicker	ASY-F	1603-41649	28-May-10	-	BP=3	U
Alder Flycatcher	ASY-F	2610-05062	04-Jun-10	-	BP=2	F
Willow Flycatcher	AHY-M	2560-75080	02-Aug-09	28-May-10 03-Jun-10	CP=2 CP=2	-/F F
Great Crested Flycatcher	AHY-F	2411-54946	28-May-10	-	BP=2	U
Warbling Vireo	AHY-M	2560-75494	14-May-10	-	CP=2	U
Warbling Vireo	AHY-M	2610-05023	20-May-10	-	CP=2	U
Tree Swallow	AHY-M	2391-16168	25-May-09	30-Apr-10 28-May-10	CP=2 CP=3	-/U U
Tree Swallow	AHY-M	2401-00833	30-Apr-10	07-May-10	CP=3	U/U
Tree Swallow	AHY-M	2401-00855	08-May-10	-	CP=3	SW
Tree Swallow	AHY-M	2401-00856	08-May-10	-	CP=3	SW
Tree Swallow	AHY-M	2401-00857	08-May-10	-	CP=3	SW
Tree Swallow	AHY-M	2401-00858	08-May-10	-	CP=3	SW
Tree Swallow	AHY-M	2401-00859	08-May-10	-	CP=3	SW
Tree Swallow	AHY-M	2401-00860	08-May-10	-	CP=3	SW
Tree Swallow	AHY-M	2401-00861	08-May-10	-	CP=3	SW
Tree Swallow	AHY-M	2401-00862	08-May-10	-	CP=3	SW
Tree Swallow	AHY-M	2401-00863	08-May-10	-	CP=3	SW
Tree Swallow	AHY-M	2401-00864	08-May-10	-	CP=3	SW
Tree Swallow	AHY-M	2401-00865	08-May-10	-	CP=3	SW
Black-capped Chickadee	AHY-F	2360-85770	09-Sep-07	30-Apr-10 10-Apr-10 13-Apr-10 14-May-10	- - BP=3 BP=3	-/FE FE SW W
Black-capped Chickadee	AHY-F	2360-85846	24-Apr-08	09-Apr-10	BP=3	-/SW
Black-capped Chickadee	AHY-F	2560-75386	07-May-10	-	BP=3	U
Black-capped Chickadee	AHY-F	2560-75488	14-May-10	-	BP=3, egg	U
Black-capped Chickadee	AHY-F	2610-05059	03-Jun-10	-	BP=3	SW
Tufted Titmouse	AHY-F	2431-38679	09-Apr-10	-	BP=2	U/W
Tufted Titmouse	AHY-M	2431-38680	09-Apr-10	-	CP=2	U
House Wren	AHY-F	2610-05025	20-May-10	-	BP=1, egg?	W
House Wren	AHY-M	2610-05029	20-May-10	-	CP=3	W
House Wren	AHY-M	2610-05053	28-May-10	-	CP=2	W
Wood Thrush	AHY-M	2411-54949	28-May-10	-	CP=3	SW

Table 6. Continued (page 2 of 6).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
American Robin	AHY-M	1222-42974	14-Apr-07	23-Apr-10 20-May-10	CP=3 CP=3	-/U U
American Robin	AHY-M	1222-43091	16-Aug-07	03-Jun-10	CP=3	-/FE
American Robin	AHY-M	1232-43658	13-Aug-09	28-May-10	CP=3	-/F
American Robin	AHY-M	1292-72537	03-Apr-10	04-Jun-10	CP=3	F/SW
American Robin	AHY-M	1292-72563	07-May-10	15-May-10	CP=3	FE/U
American Robin	AHY-M	1292-72540	10-Apr-10	-	CP=2	F
American Robin	AHY-M	1292-72564	07-May-10	-	CP=3	W
American Robin	AHY-M	1292-72565	07-May-10	-	CP=3	F
American Robin	AHY-M	1292-72566	07-May-10	-	CP=3	F
American Robin	AHY-M	1292-72587	20-May-10	-	CP=3	F
American Robin	AHY-M	1292-72589	20-May-10	-	CP=3	U
American Robin	AHY-M	1292-72617	04-Jun-10	-	CP=3	SW
American Robin	AHY-M	1292-72618	04-Jun-10	-	CP=3	U
American Robin	SY-M	1292-72613	03-Jun-10	04-Jun-10	CP=3	SW/SW
American Robin	AHY-F	1222-43100	21-Aug-07	03-Jun-10	BP=3	-/SW
American Robin	AHY-F	1232-01217	30-Apr-08	09-Apr-10	BP=2	-/U
American Robin	AHY-F	1292-72542	30-Apr-10	-	BP=2	F
American Robin	AHY-F	1292-72572	14-May-10	-	BP=3	F
American Robin	AHY-F	1292-72577	15-May-10	-	BP=3	F
American Robin	AHY-F	1292-72578	15-May-10	-	BP=3	W
American Robin	AHY-F	1292-72584	20-May-10	-	BP=3	F
American Robin	AHY-F	1292-72588	20-May-10	-	BP=3	F
American Robin	AHY-F	1292-72590	20-May-10	-	BP=3	F
American Robin	AHY-F	1292-72592	28-May-10	03-Jun-10	BP=3	SW/SW
American Robin	AHY-F	1292-72593	28-May-10	-	BP=3	SW
American Robin	AHY-F	1292-72605	28-May-10	-	BP=3	SW
American Robin	AHY-F	1292-72606	28-May-10	-	BP=3	U
American Robin	HY-U	1292-72604	28-May-10	-	HY-U	W
Gray Catbird	SY-M	2411-54915	15-May-10	28-May-10 03-Jun-10	- CP=2	F/FE W
Gray Catbird	SY-M	2411-54941	28-May-10	-	CP=3	U
Gray Catbird	SY-M	2411-54953	04-Jun-10	-	CP=2	F
Gray Catbird	SY-F	2411-54940	28-May-10	04-Jun-10	BP=2/3	W/SW
European Starling	AHY-M	1292-72594	28-May-10	-	CP=3	U
European Starling	AHY-M	1292-72608	03-Jun-10	-	CP=3	U
European Starling	AHY-F	1292-72576	15-May-10	-	BP=2	FE
European Starling	AHY-F	1292-72583	20-May-10	-	BP=3	U

Table 6. Continued (page 3 of 6).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Yellow Warbler	ASY-M	2360-85572	11-May-07	04-Jun-10	CP=3	-/U
Yellow Warbler	ASY-M	2360-85982	30-May-08	14-May-10 28-May-10 03-Jun-10	- CP=3 CP=3	-/F U U
Yellow Warbler	ASY-M	2540-26632	02-May-09	30-Apr-10 14-May-10 15-May-10 28-May-10	CP=2 CP=3 CP=3 CP=3	-/F F F FE
Yellow Warbler	ASY-M	2560-75030	23-May-09	28-May-10 03-Jun-10	CP=3 CP=3	-/U U
Yellow Warbler	ASY-M	2560-75059	05-Jun-09	14-May-10	CP=3	-/F
Yellow Warbler	ASY-M	2560-75499	14-May-10	03-Jun-10	CP=3 CP=3	U U
Yellow Warbler	ASY-M	2610-05056	28-May-10	-	CP=3	U
Yellow Warbler	SY-M	2560-75400	07-May-10	14-May-10 15-May-10 04-Jun-10	CP=3 CP=3 CP=3	W/W W W
Yellow Warbler	SY-M	2560-75490	14-May-10	-	CP=3	F
Yellow Warbler	SY-M	2610-05002	15-May-10	-	CP=2	F
Yellow Warbler	SY-M	2610-05011	15-May-10	-	CP=3	F
Yellow Warbler	ASY-F	2360-85549	05-May-07	14-May-10	BP=3	-/FE
Yellow Warbler	ASY-F	2560-75391	07-May-10	14-May-10 15-May-10 20-May-10 28-May-10	- - - BP=3, egg	FE/F FE FE FE
Yellow Warbler	SY-M	2610-05060	03-Jun-10	-	CP=3	F
Yellow Warbler	SY-M	2610-05064	04-Jun-10	-	CP=3	SW
Common Yellowthroat	ASY-M	2610-05055	28-May-10	-	CP=2	W
Common Yellowthroat	AHY-M	2360-85493	16-Sep-06	30-Jun-10	CP=3	-/W
Common Yellowthroat	AHY-M	2360-85739	31-Aug-07	15-May-10	CP=2	-/F
Common Yellowthroat	AHY-M	2360-85743	31-Aug-07	07-May-10 14-May-10 15-May-10 20-May-10 28-May-10	- - - CP=3 CP=3	-/F F F F F
Common Yellowthroat	AHY-M	2360-85986	30-May-08	14-May-10 28-May-10	CP=3 CP=3	-/F F
Common Yellowthroat	AHY-M	2560-75052	29-May-09	14-May-10 28-May-10	CP=3 CP=3	-/F F
Common Yellowthroat	AHY-M	2560-75225	06-Sep-09	15-May-10	CP=2	-/F
Common Yellowthroat	AHY-M	2560-75270	17-Sep-09	20-May-10	CP=3	-/F
Common Yellowthroat	AHY-M	2560-75485	14-May-10	-	CP=3	F
Common Yellowthroat	ASY-F	2610-05057	03-Jun-10	-	BP=3	F
Common Yellowthroat	AHY-F	2360-85562	11-May-07	20-May-10 28-May-10	- BP=2, egg	-/F F

Table 6. Continued (page 4 of 6).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Song Sparrow	ASY-M	2251-44405	29-Sep-06	23-Apr-10 20-May-10	CP=2 CP=3	-/FE F
Song Sparrow	ASY-M	2281-10614	18-Apr-08	10-Apr-10 28-May-10	CP=2 CP=3	-/U U
Song Sparrow	ASY-M	2281-10739	13-Aug-08	30-Apr-10	CP=2	-/F
Song Sparrow	ASY-M	2281-10726	09-Aug-08	15-May-10	CP=3	-/F
Song Sparrow	ASY-M	2431-38778	20-May-10	-	CP=3	FE
Song Sparrow	AHY-M	1961-11683	25-May-05	10-Apr-10	CP=2	-/U
Song Sparrow	AHY-M	2281-10323	24-Sep-07	03-Apr-10 10-Apr-10 20-May-10	- - CP=3	-/W W W
Song Sparrow	AHY-M	2431-38351	26-Sep-09	20-May-10	CP=3	-/U
Song Sparrow	SY-M	2431-38180	27-Aug-09	28-May-10	CP=3	-/U
Song Sparrow	SY-M	2431-38192	03-Sep-09	30-Apr-10 28-May-10	CP=2 CP=3	-/F F
Song Sparrow	SY-M	2431-38690	24-Apr-10	30-Apr-10	CP=2	F/U
Song Sparrow	SY-M	2431-38694	24-Apr-10	30-Apr-10	CP=3	W/SW
Song Sparrow	SY-M	2431-38768	20-May-10	-	CP=3	F
Song Sparrow	ASY-F	2281-10711	05-Jun-08	24-Apr-10 04-Jun-10	- BP=3	-/W W
Song Sparrow	ASY-F	2291-90924	16-Oct-08	20-May-10	BP=3	-/FE
Song Sparrow	ASY-F	2431-38080	06-Jun-09	13-Apr-10 28-May-10	- BP=3	-/FE F
Song Sparrow	ASY-F	2431-38782	20-May-10	-	BP=3	F
Swamp Sparrow	AHY-M	2311-71623	30-Apr-08	14-May-10	CP=3	-/F
Swamp Sparrow	SY-M	2391-16244	05-Sep-09	20-May-10	CP=3	-/W
Swamp Sparrow	SY-M	2401-00898	20-May-10	-	CP=2	W
Swamp Sparrow	SY-M	2401-00918	28-May-10	-	CP=3	W
Swamp Sparrow	SY-M	2401-00919	04-Jun-10	-	CP=3	F
Swamp Sparrow	SY-F	2401-00847	07-May-10	14-May-10 20-May-10	- BP=2	F/F F
Swamp Sparrow	SY-F	2401-00869	14-May-10	-	BP=3	FE/W/F
Red-winged Blackbird	ASY-M	1232-01250	09-May-08	03-Jun-10	CP=3	-/F
Red-winged Blackbird	ASY-M	1292-72585	20-May-10	-	CP=3	W
Red-winged Blackbird	ASY-M	1292-72603	28-May-10	-	CP=3	U
Red-winged Blackbird	ASY-M	1292-72614	04-Jun-10	-	CP=3	U
Red-winged Blackbird	ASY-M	1292-72615	04-Jun-0	-	CP=3	SW
Red-winged Blackbird	ASY-M	1292-72616	04-Jun-10	-	CP=3	SW
Red-winged Blackbird	SY-M	1292-72575	15-May-10	-	CP=2	U
Red-winged Blackbird	SY-M	1292-72582	20-May10	-	CP=2	U
Red-winged Blackbird	SY-M	1292-72586	20-May-10	-	CP=2	F
Red-winged Blackbird	SY-M	1292-72595	28-May-10	-	CP=3	U
Red-winged Blackbird	SY-M	1292-72598	28-May-10	-	CP=2	SW
Red-winged Blackbird	SY-M	1292-72602	28-May-10	-	CP=3	U
Red-winged Blackbird	SY-M	1292-72607	03-Jun-10	-	CP=2	U
Red-winged Blackbird	SY-M	1292-72609	03-Jun-10	-	CP=3	U
Red-winged Blackbird	SY-M	1292-72610	03-Jun-10	-	CP=3	U

Table 6. Continued (page 5 of 6).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Red-winged Blackbird	SY-M	1292-72611	03-Jun-10	-	CP=2	U
Red-winged Blackbird	SY-M	1292-72619	04-Jun-10	-	CP=2	SW
Red-winged Blackbird	ASY-F	8101-31455	04-Jun-05	20-May-10 04-Jun-10	BP=3 BP=3	-/F FE
Red-winged Blackbird	ASY-F	1991-00902	23-May-06	03-Jun-10	BP=3	-/U
Red-winged Blackbird	ASY-F	1991-00908	28-May-06	14-May-10	BP=2	-/F
Red-winged Blackbird	ASY-F	2231-53464	23-May-08	28-May-10	BP=3	-/SW
Red-winged Blackbird	ASY-F	2231-53499	05-Jun-09	04-Jun-10	BP=3	-/SW
Red-winged Blackbird	ASY-F	2231-53505	05-Jun-09	28-May-10	BP=3	-/SW
Red-winged Blackbird	ASY-F	2231-53516	05-Jun-09	04-Jun-10	BP=3, egg	-/SW
Red-winged Blackbird	ASY-F	2411-54929	20-May-10	-	BP=3	F
Red-winged Blackbird	ASY-F	2411-54944	28-May-10	-	BP=3, egg	U
Red-winged Blackbird	ASY-F	2411-54945	28-May-10	-	BP=3, egg	SW
Red-winged Blackbird	ASY-F	2411-54947	28-May-10	-	BP=3	W
Red-winged Blackbird	ASY-F	2411-54948	28-May-10	-	BP=3	SW
Red-winged Blackbird	ASY-F	2411-54950	28-May-10	-	BP=3	SW
Red-winged Blackbird	ASY-F	2411-54951	03-Jun-10	-	BP=3	F
Red-winged Blackbird	ASY-F	2411-54952	03-Jun-10	-	BP=3, egg	U
Red-winged Blackbird	ASY-F	2411-54954	04-Jun-10	-	BP=3	U
Red-winged Blackbird	ASY-F	2411-54956	04-Jun-10	-	BP=3	U
Red-winged Blackbird	ASY-F	2411-54957	04-Jun-10	-	BP=3	W
Red-winged Blackbird	ASY-F	2411-54958	04-Jun-10	-	BP=3, egg	SW
Red-winged Blackbird	SY-F	2411-54918	20-May-10	-	BP=3	U
Red-winged Blackbird	SY-F	2411-54926	20-May-10	-	BP=3	SW
Red-winged Blackbird	SY-F	2411-54955	04-Jun-10	-	BP=3	U
Red-winged Blackbird	SY-F	2411-54959	04-Jun-10	-	BP=3, egg	U
Red-winged Blackbird	SY-F	2411-54960	04-Jun-10	-	BP=3	U
Red-winged Blackbird	SY-F	2411-54961	04-Jun-10	-	BP=3, egg	U
Red-winged Blackbird	SY-F	2411-54962	04-Jun-10	-	BP=3	SW
Red-winged Blackbird	SY-F	2411-54963	04-Jun-10	-	BP=3	U
Red-winged Blackbird	SY-F	2411-54964	04-Jun-10	-	BP=3	U
Common Grackle	ASY-M	1603-19602	01-Jun-06	03-Jun-10	CP=3	-/SW
Common Grackle	ASY-M	1603-41650	03-Jun-10	-	CP=3	SW
Common Grackle	ASY-F	1603-41606	25-May-09	28-May-10	BP=3, egg	-/SW
Common Grackle	SY-F	1603-41641	15-May-10	-	BP=3	U
Common Grackle	SY-F	1603-41645	20-May-10	-	BP=3	SW
Common Grackle	SY-F	1603-41647	28-May-10	-	BP=3	U
Common Grackle	SY-F	1603-41648	28-May-10	-	BP=3	W
Common Grackle	SY-F	1603-41653	04-Jun-10	-	BP=3, egg	U

Table 6. Continued (page 6 of 6).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Brown-headed Cowbird	ASY-F	2431-38725	30-Apr-10	07-May-10 15-May-10 28-May-10 03-Jun-10	- - - Egg	F/F W F F
Brown-headed Cowbird	SY-F	2431-38725	30-Apr-10	20-May-10 03-Jun-10	- Egg	U/U U
Baltimore Oriole	ASY-M	2231-53452	23-May-09	20-May-10	CP=3	-/FE
Baltimore Oriole	ASY-M	2231-53519	06-Jun-09	20-May-10	CP=3	-/FE
Baltimore Oriole	ASY-M	2411-54921	20-May-10	-	CP=3	U
Baltimore Oriole	SY-M	2411-54922	20-May-10	-	CP=2	U
Baltimore Oriole	ASY-F	1991-96135	05-Jun-08	03-Jun-10	BP=3, egg	-/U

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

Table 7. Returning birds banded in 2004.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
NONE----->						

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

Table 8. Returning birds banded in 2005.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Yellow Warbler	2360-85022	15-May-05	SY-F	14-May-10	7Y-F	F
Song Sparrow	1961-11683	25-May-05	AHY-M	10-Apr-10	A6Y-M	U
Red-winged Blackbird	8101-31455	04-Jun-05	ASY-F	20-May-10 04-Jun-10	A7Y-F	F FE

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

Table 9. Returning birds banded in 2006.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Common Yellowthroat	2360-85493	16-Sep-06	HY-M	03-Jun-10	5Y-M	W
Song Sparrow	2251-44310	01-Sep-06	HY-U	09-Apr-10	5Y-U	SW
Song Sparrow	2251-44405	29-Sep-06	AHY-U	23-Apr-10 20-May-10	A5Y-M	FE F
Red-winged Blackbird	1991-00902	23-May-06	SY-F	03-Jun-10	6Y-F	U
Red-winged Blackbird	1991-00908	28-May-06	ASY-F	14-May-10	A6Y-F	F
Common Grackle	1603-19602	01-Jun-06	SY-M	03-Jun-10	6Y-M	SW

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

Table 10. Returning birds banded in 2007.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Black-capped Chickadee	2360-85770	09-Sep-07	HY-U	03-Apr-10 10-Apr-10 13-Apr-10 14-May-10	4Y-F	FE FE SW W
American Robin	1222-42974	14-Apr-07	AHY-M	23-Apr-10 20-May-10	A4Y-M	U U
American Robin	1222-43091	16-Aug-07	HY-U	03-Jun-10	4Y-M	FE
American Robin	1222-43100	21-Aug-07	HY-U	03-Jun-10	4Y-F	SW
Yellow Warbler	2360-85549	05-May-07	SY-M	14-May-10	5Y-M	FE
Yellow Warbler	2360-85572	11-May-07	SY-M	04-Jun-10	5Y-M	U
Common Yellowthroat	2360-85562	11-May-07	SY-F	20-May-10 28-May-10	5Y-F	F F
Common Yellowthroat	2360-85739	31-Aug-07	AHY-M	15-May-10	A4Y-F	F
Common Yellowthroat	2360-85743	31-Aug-07	AHY-M	07-May-10 14-May-10 15-May-10 20-May-10 28-May-10	A4Y-M	F F F F F
Song Sparrow	2281-10323	24-Sep-07	AHY-U	03-Apr-10 10-Apr-10 20-May-10	A4Y-M	W W W
American Goldfinch	2311-28804	11-May-07	SY-M	09-Apr-10	5Y-M	F
American Goldfinch	2311-28890	31-Aug-07	HY-F	10-Apr-10	4Y-F	F

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

Table 11. Returning birds banded in 2008.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Downy Woodpecker	2291-90935	16-Oct-08	HY-M	20-May-10	3Y-M	SW
Black-capped Chickadee	2360-85846	24-Apr-08	AHY-U	09-Apr-10	A3Y-U	SW
Black-capped Chickadee	2540-26538	23-Oct-08	HY-U	09-Apr-10 24-Apr-10	3Y-U	W
American Robin	1232-01217	30-Apr-08	SY-F	09-Apr-10	4Y-F	U
Yellow Warbler	2360-85853	05-May-08	SY-F	14-May-10	4Y-F	F
Yellow Warbler	2360-85855	08-May-08	SY-F	14-May-10 15-May-10	4Y-F	U U
Yellow Warbler	2360-85928	19-May-08	SY-F	07-May-10	4Y-F	F
Yellow Warbler	2360-85948	19-May-08	SY-F	15-May-10	4Y-F	W
Yellow Warbler	2360-85958	21-May-08	SY-M	15-May-10	4Y-M	W
Yellow Warbler	2360-85982	30-May-08	SY-M	14-May-10 28-May-10 03-Jun-10	4Y-M	F U U
Yellow Warbler	2500-25607	09-Aug-08	HY-U	07-May-10 14-May-10 20-May-10	3Y-M	F F F
Yellow Warbler	2500-25610	09-Aug-08	AHY-F	08-May-10 14-May-10 15-May-10	A3Y-F	F F FE
Common Yellowthroat	2360-85986	30-May-08	AHY-M	14-May-10 28-May-10	A3Y-M	F F
Common Yellowthroat	2500-25633	13-Aug-08	HY-U	07-May-10	3Y-M	F
Common Yellowthroat	2500-25693	25-Aug-08	HY-U	15-May-10	3Y-F	F
Common Yellowthroat	2500-25800	20-Sep-08	HY-U	20-May-10	3Y-F	U
Common Yellowthroat	2540-26512	26-Sep-08	HY-U	30-Apr-10	3Y-F	F
Song Sparrow	2281-10614	18-Apr-08	ASY-M	10-Apr-10 28-May-10	A4Y-M	U U
Song Sparrow	2281-10711	05-Jun-08	AHY-F	24-Apr-10 04-Jun-10	A3Y-F	W W
Song Sparrow	2281-10726	09-Aug-08	HY-U	15-May-10	3Y-M	F
Song Sparrow	2281-10733	13-Aug-08	HY-U	09-Apr-10	3Y-U	SW
Song Sparrow	2281-10739	13-Aug-08	HY-U	30-Apr-10	3Y-M	F
Song Sparrow	2281-10870	26-Sep-08	AHY-U	13-Apr-10 24-Apr-10 14-May-10	A3Y-M	FE F F
Song Sparrow	2291-90924	16-Oct-08	AHY-U	20-May-10	A3Y-F	FE
Swamp Sparrow	2311-71623	30-Apr-08	SY-M	14-May-10	4Y-M	F
Swamp Sparrow	2311-71666	19-May-08	AHY-M	23-Apr-10	A3Y-M	F
Swamp Sparrow	2311-71792	20-Sep-08	AHY-U	07-May-10	A3Y-U	F
Swamp Sparrow	2321-69713	11-Oct-08	AHY-U	30-Apr-10	A3Y-U	F
Northern Cardinal	1232-01273	19-May-08	AHY-F	23-Apr-10	A3Y-F	FE
Northern Cardinal	1232-43449	11-Oct-08	HY-M	03-Jun-10	3Y-M	U
Red-winged Blackbird	1232-01250	09-May-08	ASY-M	03-Jun-10	A4Y-M	F
Red-winged Blackbird	2231-53464	23-May-08	SY-F	28-May-10	4Y-F	SW

Table 11. 2008 returns. Continued.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Baltimore Oriole	1991-65278	12-May-08	SY-M!	07-May-10 15-May-10	A2Y-F	FE U
Baltimore Oriole	1991-96135	05-Jun-08	ASY-F	03-Jun-10	A4Y-F	U
American Goldfinch	2311-71575	06-Apr-08	ASY-M	23-Apr-10	A4Y-M	F
American Goldfinch	2311-71584	16-Apr-08	SY-M	30-Apr-10	4Y-M	F
American Goldfinch	2311-71597	18-Apr-08	SY-F	09-Apr-10	4Y-F	F
American Goldfinch	2311-71612	20-Apr-08	SY-F	14-May-10	4Y-F	U
American Goldfinch	231171651	12-May-08	ASY-M	10-Apr-10	A4Y-M	F
American Goldfinch	2321-69604	02-Oct-08	HY-M	23-Apr-10	3Y-M	F

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

Table 12. 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	03-Jun-10	3Y-M	W
Downy Woodpecker	2431-38126	13-Aug-09	SY-F	15-May-10	3Y-F	U
Downy Woodpecker	2431-38522	14-Oct-09	HY-F	15-May-10	2Y-F	W
Northern Flicker	1603-19692	24-Apr-09	SY-M	20-May-10	A2Y-M	U
Willow Flycatcher	2560-75080	02-Aug-09	HY-U	28-May-10 03-Jun-10	2Y-M	F F
Warbling Vireo	2540-26652	08-May-09	AHY-U	07-May-10	A2Y-U	U
Tree Swallow	2391-16168	25-May-09	AHY-M	30-Apr-10 28-May-10	A2Y-M	U U
Black-capped Chickadee	2560-75115	13-Aug-09	HY-U	24-Apr-10	2Y-U	U
American Robin	1232-43658	13-Aug-09	HY-U	28-May-10	2Y-M	F
Yellow Warbler	2540-26632	02-May-09	SY-M	30-Apr-10 14-May-10 15-May-10 28-May-10	3Y-M	F F F FE
Yellow Warbler	2540-26659	08-May-09	SY-M	14-May-10	3Y-M	U
Yellow Warbler	2560-75029	23-May-09	SY-M	07-May-10	3Y-M	W
Yellow Warbler	2560-75030	23-May-09	SY-M	28-May-10 03-Jun-10	3Y-M	U U
Yellow Warbler	2560-75038	25-May-09	SY-M	07-May-10	3Y-M	-
Yellow Warbler	2560-75059	05-Jun-09	SY-M	14-May-10	3Y-M	F
Yellow Warbler	2560-75071	06-Jun-09	SY-M	07-May-10	3Y-M	U
Common Yellowthroat	2560-75037	23-May-09	SY-F	14-May-10 20-May-10	3Y-F	F W
Common Yellowthroat	2560-75052	29-May-09	AHY-M	14-May-10 28-May-10	A2Y-M	F F
Common Yellowthroat	2560-75127	15-Aug-09	HY-U	15-May-10	2Y-M	F
Common Yellowthroat	2560-75225	06-Sep-09	HY-M	15-May-10	2Y-M	F
Common Yellowthroat	2560-75270	17-Sep-09	HY-M	20-May-10	2Y-M	F

Table 12. 2009 returns. Continued.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Song Sparrow	2431-38080	06-Jun-09	AHY-F	13-Apr-10 28-May-10	A2Y-F	FE F
Song Sparrow	2431-38142	15-Aug-09	HY-U	09-Apr-10	2Y-U	FE
Song Sparrow	2431-38180	27-Aug-09	HY-U	28-May-10	2Y-M	U
Song Sparrow	2431-38192	03-Sep-09	HY-U	30-Apr-10 28-May-10	2Y-M	F F
Song Sparrow	2431-38229	17-Sep-09	HY-U	03-Apr-10	2Y-U	FE
Song Sparrow	2431-38240	17-Sep-09	HY-U	24-Apr-10	2Y-U	FE
Song Sparrow	2431-38269	25-Sep-09	HY-U	16-Apr-10	2Y-U	FE
Song Sparrow	2431-38351	26-Sep-09	HY-U	20-May-10	2Y-M	U
Swamp Sparrow	2391-16244	05-Sep-09	HY-U	20-May-10	2Y-M	W
Northern Cardinal	1232-43487	05-Apr-09	AHY-F	23-Apr-10	A2Y-F	U
Red-winged Blackbird	1232-43588	08-May-09	ASY-M	23-Apr-10 07-May-10	A3Y-M	U U
Red-winged Blackbird	2231-53499	05-Jun-09	SY-F	04-Jun-10	3Y-F	SW
Red-winged Blackbird	2231-53505	05-Jun-09	SY-F	28-May-10	3Y-F	SW
Red-winged Blackbird	2231-53516	05-Jun-09	SY-F	04-Jun-10	3Y-F	SW
Common Grackle	1603-41606	25-May-09	ASY-F	28-May-10	A3Y-F	SW
Baltimore Oriole	2231-53452	23-May-09	ASY-M	20-May-10	A3Y-M	FE
Baltimore Oriole	2231-53461	23-May-09	SY-M	15-May-10	3Y-M	FE
Baltimore Oriole	2231-53471	25-May-09	ASY-M	14-May-10 15-May-10	A3Y-M	F FE
Baltimore Oriole	2231-53479	25-May-09	SY-M	15-May-10	3Y-M	FE
Baltimore Oriole	2231-53508	05-Jun-09	SY-F	20-May-10	3Y-F	FE
Baltimore Oriole	2231-53519	06-Jun-09	SY-M	20-May-10	3Y-M	FE
American Goldfinch	2391-16012	05-Apr-09	SY-M	14-May-10	3Y-M	U
American Goldfinch	2391-16091	30-Apr-09	SY-F	10-Apr-10	3Y-F	F
American Goldfinch	2391-16165	23-May-09	SY-F	30-Apr-10	3Y-F	F
American Goldfinch	2401-00509	14-Oct-09	HY-F	23-Apr-10	2Y-F	F
American Goldfinch	2401-00559	28-Oct-09	HY-F	23-Apr-10 30-Apr-10	2Y-F	F F
American Goldfinch	2401-00567	28-Oct-09	HY-M	23-Apr-10	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 (%)
Willow Flycatcher	2560-75080	AHY-M	02-Aug-09	28-May-10 03-Jun-10	- 6	- 13.5	13.5 13.2	-0.3	-2.2%
Tree Swallow	2391-16168	AHY-M	25-May-09	30-Apr-10 28-May-10	- 28	- 21.8	21.8 21.0	-0.8	-3.7%
Tree Swallow	2401-00833	AHY-M	30-Apr-10	07-May-10	7	21.9	23.5	+1.6	+7.3%
American Robin	1222-42974	AHY-M	14-Apr-07	23-Apr-10 20-May-10	- 27	- 69.4	69.4 68.9	-0.5	-0.7%
American Robin	1292-72537	AHY-M	03-Apr-10	04-Jun-10	62	74.1	76.6	+2.5	+3.4%
American Robin	1292-72563	AHY-M	07-May-10	15-May-10	8	75.9	81.2	+5.3	+7.0%
American Robin	1292-72592	AHY-F	28-May-10	03-Jun-10	6	74.4	70.2	-4.2	-5.5%
American Robin	1292-72613	ASY-M	03-Jun-10	04-Jun-10	1	70.2	70.5	+0.3	+0.4%
Gray Catbird	2411-54901	SY-U	07-May-10	15-May-10 28-May-10	8 21	36.6 30.8	30.8 30.0	-6.6	-18.0%
Gray Catbird	2411-54915	SY-U	15-May-10	28-May-10 03-Jun-10	13 19	30.3 27.4	27.4 26.0	-4.3	-14.2%
Gray Catbird	2411-54940	SY-F	28-May-10	04-Jun-10	7	42.3	37.2	-5.1	-12.0%
Yellow Warbler	2360-85982	ASY-M	30-May-08	14-May-10 28-May-10 03-Jun-10	- 14 19	- 9.6 9.7	9.6 9.7 9.8	+0.2	+2.1%
Yellow Warbler	2500-25607	ASY-M	09-Aug-08	07-May-10 14-May-10 20-May-10	- 7 13	- 9.4 9.4	9.4 9.4 9.8	+0.4	+4.2%
Yellow Warbler	2500-25610	ASY-F	09-Aug-08	08-May-10 14-May-10 15-May-10	- 6 7	- 9.3 9.1	9.3 9.1 9.7	-0.3	-3.2%
Yellow Warbler	2540-26632	ASY-M	02-May-09	30-Apr-10 14-May-10 15-May-10 28-May-10	- 14 15 28	- 9.7 9.5 9.7	9.7 9.5 9.7 10.1	+0.4	+4.1%
Yellow Warbler	2560-75030	ASY-M	23-May-09	28-May-10 03-Jun-10	- 6	- 9.9	9.9 9.9	0.0	0%
Yellow Warbler	2560-75391	ASY-F	07-May-10	14-May-10 15-May-10 20-May-10 28-May-10	7 8 13 21	9.1 9.1 9.5 9.3	9.1 9.5 9.3 11.9	+2.8	+30.8%
Yellow Warbler	2560-75400	SY-M	07-May-10	14-May-10 15-May-10 04-Jun-10	7 8 28	9.7 10.4 9.9	10.4 9.9 10.1	+0.4	+4.1%
Yellow Warbler	2560-75401	SY-M	07-May-10	14-May-10	7	9.2	9.6	+0.4	+4.3%
Yellow Warbler	2560-75404	SY-F	07-May-10	15-May-10	8	9.4	10.2	+0.8	+8.5%
Yellow Warbler	2560-75499	ASY-M	14-May-10	03-Jun-10	20	9.5	9.5	0.0	0%
Ovenbird	2401-00871	AHY-U	14-May-10	15-May-10	1	20.6	20.3	-0.3	-1.4%

Table 13. Continued (page 2 of 3).

Species	Band No.	Age/Sex	Date Banded	Date Recaptured	No. of days	Original Weight (g)	Weight at Recapture (g)	Gain/Loss (g)	Gain/Loss (%)
Common Yellowthroat	2360-85562	AHY-F	11-May-07	20-May-10 28-May-10	- 8	- 9.9	9.9 13.9	+4.0	+40.4%
Common Yellowthroat	2360-85743	AHY-M	31-Aug-07	07-May-10 14-May-10 15-May-10 20-May-10 28-May-10	- 7 8 13 21	- 10.6 10.9 11.4 10.6	10.6 10.9 11.4 10.6 11.3	+0.7	+6.6%
Common Yellowthroat	2360-85986	AHY-M	30-May-08	14-May-10 28-May-10	- 14	- 10.0	10.0 10.0	0.0	0%
Common Yellowthroat	2560-75037	AHY-F	23-May-09	14-May-10 20-May-10	- 6	- 9.1	9.1 9.2	+0.1	+1.1%
Common Yellowthroat	2560-75052	AHY-M	29-May-09	14-May-10 28-May-10	- 14	- 10.4	10.4 11.1	+0.5	+4.8%
Common Yellowthroat	2560-75392	ASY-F	07-May-10	14-May-10	7	8.6	9.4	+0.8	+9.3%
Song Sparrow	2251-44405	ASY-M	29-Sep-06	23-Apr-10 20-May-10	- 27	- 22.6	22.6 20.9	-1.7	-7.5%
Song Sparrow	2281-10323	AHY-M	24-Sep-07	03-Apr-10 10-Apr-10 20-May-10	- 7 47	- 22.1 21.9	22.1 21.9 21.1	-1.0	-4.5%
Song Sparrow	2281-10614	ASY-M	18-Apr-08	10-Apr-10 28-May-10	- 48	- 21.5	21.5 21.1	-0.4	-1.9%
Song Sparrow	2281-10711	ASY-F	05-Jun-08	24-Apr-10 04-Jun-10	- 41	- 22.4	22.4 22.6	+0.2	+0.9%
Song Sparrow	2281-10870	AHY-M	26-Sep-08	13-Apr-10 24-Apr-10 14-May-10	- 11 31	- 21.1 20.6	21.2 20.6 20.2	-1.0	-4.7%
Song Sparrow	2431-38080	ASY-F	06-Jun-09	13-Apr-10 28-May-10	- 45	- 22.2	22.2 22.0	-0.2	-0.9%
Song Sparrow	2431-38192	SY-M	03-Sep-09	30-Apr-10 28-May-10	- 28	- 21.5	21.5 20.7	-0.8	-3.7%
Song Sparrow	2431-38690	SY-M	24-Apr-10	30-Apr-10	6	20.1	20.4	+0.3	+1.5%
Song Sparrow	2431-38694	SY-M	24-Apr-10	30-Apr-10	6	22.4	21.1	-1.3	-5.8%
Swamp Sparrow	2401-00847	SY-F	07-May-10	14-May-20 20-May-10	7 13	17.1 17.6	17.6 18.0	+0.9	+5.3%
Red-winged Blackbird	8101-31455	ASY-F	04-Jun-05	20-May-10 04-Jun-10	- 14	- 43.8	43.8 42.0	-1.8	-4.1%
Red-winged Blackbird	1232-43588	ASY-M	08-May-09	23-Apr-10 07-May-10	- 14	- 70.9	70.9 68.6	-2.3	-3.2%
Red-winged Blackbird	1292-72586	SY-M	20-May-10	28-May-10	8	64.8	63.4	-1.4	-2.1%
Brown-headed Cowbird	2431-38707	ASY-F	30-Apr-10	07-May-10 15-May-10 28-May-10 03-Jun-10	7 15 28 34	36.8 33.9 35.2 35.7	33.9 35.2 35.7 35.8	-1.0	-2.7%
Brown-headed Cowbird	2431-38725	SY-F	30-Apr-10	20-May-10 03-Jun-10	20 34	37.7 35.9	35.9 39.1	+1.4	+3.7%

Table 13. Continued (page 3 of 3).

Species	Band No.	Age/Sex	Date Banded	Date Recaptured	No. of days	Original Weight (g)	Weight at Recapture (g)	Gain/Loss (g)	Gain/Loss (%)
Baltimore Oriole	1991-65278	AHY-F	12-May-08	07-May-10 15-May-10	- 8	- 31.4	31.4 34.8	+3.4	+10.8%
Baltimore Oriole	2231-53471	ASY-M	25-May-09	14-May-10 15-May-10	- 1	- 32.6	32.6 31.4	-1.2	-3.7%
American Goldfinch	2401-00559	SY-F	28-Oct-09	23-Apr-10 30-Apr-10	- 7	- 12.7	12.7 11.9	-0.8	-6.3%
American Goldfinch	2401-00775	SY-F	09-Apr-10	30-Apr-10	21	12.4	13.4	+1.0	+8.1%
American Goldfinch	2401-00776	SY-F	09-Apr-10	23-Apr-10	14	12.1	12.7	+0.6	+4.9%
American Goldfinch	2401-00783	SY-F	10-Apr-10	13-Apr-10	3	11.6	11.8	+0.2	+1.7%
American Goldfinch	2401-00801	SY-M	23-Apr-10	24-Apr-10	1	11.0	11.6	+0.6	+5.4%
Total birds with weight gains								25	-
Total birds with weight loss								22	-
Average weight gain									+7.2%
Average weight loss									-4.9%

SPRING 2010 - PHOTO HIGHLIGHTS



This after second-year male Cooper's Hawk was the first ever banded at Metro Beach.



An after second-year female Red-bellied Woodpecker provided only the third banding record for the species at Metro Beach.



Eastern Wood-Pewees are infrequently captured at Metro Beach, especially in the spring.



Another infrequently banded species at Metro Beach is the Great Crested Flycatcher.



Both Willow and Alder Flycatchers nest in the Field, but Willows are more numerous. This one obliged by calling, allowing it to be identified as Willow.



On the big swallow day, the dominant species was Northern Rough-winged Swallow.



On one very windy May day, lots of swallows were captured, which most of the time is pure luck. This Barn Swallow was one of several that day.



Tree Swallows were captured on other days besides the big windy day when other swallows were captured.



The Tufted Titmouse has suffered greatly from West Nile Virus and has been slow to recover. It was encouraging to note physiological evidence of breeding in this species this spring at Metro Beach.



A very poor April migration resulted in this being the only Winter Wren banded the entire season. Hopefully the fall season will be more productive.



Very few White-breasted Nuthatches have been banded at Metro Beach, and this one was caught at a very odd location, in the Field Nets.



Before this spring, Marsh Wrens had only been captured in the fall season. This is one of two caught in the Field Nets, after the burn and before the cattails had grown back in.



This very worn second-year female Blue-gray Gnatcatcher was a pleasant surprise, as the species is not banded every year at Metro Beach.



In a spring with low numbers of warblers, perhaps the highlight was this second-year male Northern Parula.



European Starling is another infrequently captured species at Metro Beach, and previous protocols have banded these introduced birds rather than releasing them unbanded as many other stations do.



Canada Warblers were one of few warblers captured in good numbers at Metro Beach this spring. Most were females.



It is hard to resist including a photo of a male Canada Warbler.



This Field Sparrow, caught early in the morning, was one of two infrequently banded sparrows captured this spring. This was only the 6th banded at Metro Beach since 1990.



A highlight among the recaptures was this female Red-winged Blackbird banded in 2005 as an after second-year, making her an after seventh-year!



This Savannah Sparrow was only the 4th ever banded at Metro Beach, and the 3rd since 2004, all of them in spring. They don't occur in cattail marsh and swamp-woods edge very often, even in migration.