

Fall 2011 Bird Banding Summary

Metro Beach Metropark

Allen T. Chartier

Federal Permit No. 23156



Hatch-year Eastern Screech-Owl, banded 17 October 2011.

INTRODUCTION

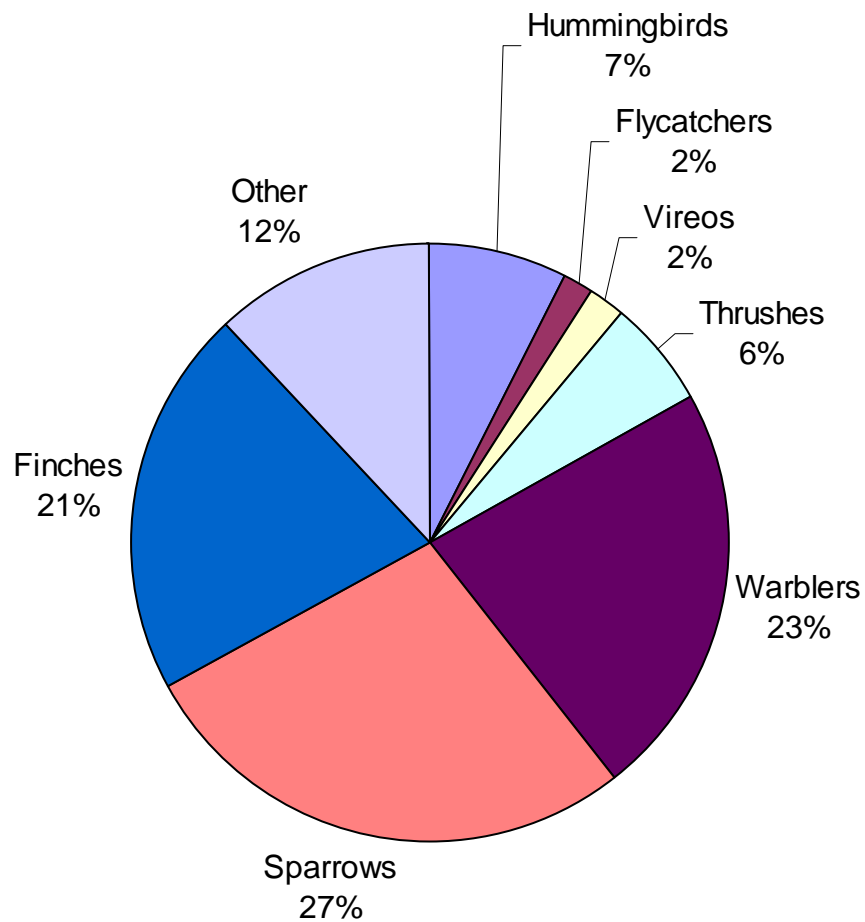
The fall of 2011 was the sixth fall season of a renewed banding study, to eventually be compared with the original study conducted by Ellie Cox from 1989-1999. For the first time since 2004, the net lanes were not completely dry at the beginning of the banding season in August, though the deep mud and water of spring was not present. Intermittently through the fall, patches of mud returned as rainfall was definitely above normal.

Temperatures during all three months (August-October) were near normal, while precipitation was definitely above normal, with records being broken throughout southeastern Michigan for the year, the fall, and certain months. Growth of vegetation throughout the banding area was exuberant through the summer, and there was a good patch of Dogwood (*Cornus* sp.) with lots of berries out at the Field Nets, where good numbers of non-native, invasive Glossy Buckthorn (*Rhamnus frangula*) were removed last year. Jewelweed (*Impatiens capensis*), an important nectar source for migrating hummingbirds, was 5-7 feet tall around the Willow, Field Edge, and Field Nets in early August and had lots of blooms through mid-September. It was not significantly browsed by White-tailed Deer as it was in the very dry fall of 2010. Spraying of herbicide was again conducted in early September as part of a multi-year program to eradicate Common Reed (*Phragmites australis*) from the park. Bird banding in this area will continue to provide a unique opportunity to study the response of breeding and migrating birds to the eradication of *Phragmites*. White-tailed Deer remain a problem in the banding area, with three mist nets destroyed this fall. They remain so accustomed to people that they cannot be scared away.

FALL 2011 RESULTS

Banding was conducted on 25 days between 7 August and 4 November with nets open a total of 169.25 hours (2057.375 net hours). This meets the desired coverage level for comparability between years, which is nothing short of miraculous given the amount of rain this fall. This was the highest number of net hours since 2005, well above the next highest in 2008, when banding was conducted on only 22 days. This increase is only minimally due to banding one day more than any previous fall; the average number of net hours per day this fall was 82.3 compared with 74.0 per day last fall. Hummingbird feeders and thistle socks were placed in the same locations as last year, Field Edge and Field respectively. Both were put out at the beginning of the season, with the thistle being kept out throughout the season and the hummingbird feeders taken down at the end of September. Early morning audio-luring for Northern Saw-whet Owls was attempted in late October and early November for the fourth fall season, but as with the previous three fall seasons, none were captured, but the first Eastern Screech-Owl ever banded at Metro Beach was captured. Prime time for capturing these migrant owls tends to be between 10:00 p.m. and 2:00 a.m., when the park is not open. The total of 2115 new birds of 79 species was the second highest number of individuals and the highest number of species banded at this locale. Also there were 295 recaptures and 53 released unbanded, for a total of 2463 captures. The overall capture rate was 119.7 birds per 100 net hours, the second highest in fall. The 15,000th bird banded at Metro Beach since 2004 was an adult male American Goldfinch on 10 September 2011. A breakdown of numbers banded by taxonomic grouping is shown in Figure 1 below, and details of capture data comparing all years from 2005 to present is shown in Table 1 below.

Figure 1. Percentages of bird families banded during fall 2011.



A comparison summary of all fall banding results since 2005 is shown in Table 1 below.

Table 1. Comparisons of annual fall banding effort, capture rates, and species diversity. Records are in bold font.

Year	Days	Net Hrs.	No. Banded	No. Recaptures	Released unbanded	Total Captures	Capture Rate*	No. Species
2005	22	1066.00	868	102	26	996	93.4	58
2006	24	1618.19	1493	155	33	1681	103.9	60
2007	19	1336.94	959	116	36	1111	83.1	60
2008	22	1891.00	1841	341	40	2222	117.5	77
2009	22	1765.44	1639	231	32	1902	107.7	71
2010	24	1776.69	2201	268	53	2522	141.9	71
2011	25	2057.38	2115	295	53	2463	119.7	79

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

Peak days of more than 100 birds banded are notable, with a total of only 41 such days from 1989-2008. Before 2008 no more than two such days per fall season was the norm. This season there were six days with more than 100 birds banded: 169 on 9 September, 164 on 17 September, 145 on 25 September, 119 on 29 September, 224 on 21 October (an all time one-day record), and 148 on 24 October. The peak diversity was 27 species, on two days this fall (26 August and 29 September), with 26 species banded on 9 September.

Ruby-throated Hummingbird numbers were the highest ever at this site. This was likely due to the good growth of Jewelweed this year. Woodpeckers were scarce once again. Numbers of all flycatcher species were improved over the past few seasons. Notable was 10 August with 5 flycatcher species and 26 August had 6 species. Vireos were up significantly with the best showing since before 2005, but still short of some of the best seasons from 1989-1999. Warbling Vireos were banded in record numbers and Philadelphia Vireos were banded in the best numbers in many years. The one exception was Blue-headed Vireos which were banded in below normal numbers. With the majority of vireos captured in the Field Nets this fall, it is apparent that the abundance of dogwood berries there may have been the greatest contributing factor. Record numbers of Brown Creepers were banded, but there were low numbers of House Wren and kinglets. As in previous years, waves of kinglets were detected between banding dates so clearly we missed quite a few by banding only two days each week. Thrush numbers were generally lower than normal, with about half the average number of Swainson's Thrushes and slightly below average numbers of Hermit Thrushes, but good numbers of Gray-cheeked Thrushes. Most American Robins in fall are banded during August, and consists mainly of juveniles. About average numbers were banded this fall. Gray Catbirds were banded in near record numbers, but still far fewer than almost any other banding station in the region.

Warbler migration was a mixed picture, with record numbers of two species (Tennessee and Nashville), good numbers of four species (Magnolia, Cape May, Yellow-rumped, and Wilson's), and below average numbers of six species (Yellow, Bay-breasted, Black-and-white, Northern Waterthrush, Mourning, and Canada). Good days, resembling spring fallout conditions, were noted on days between banding, which would have significantly affected the totals for many species. One of these days was 8 September, and the number of warblers banded on 9 September was the best of the season with 71 warblers of 14 species. Other good warbler days included 17 September (66 individuals of 9 species), 25 September (58 individuals of 12 species), and 29 September (47 individuals of 10 species). Five Indigo Buntings on 25 September was a surprise, and a record. Three Rose-breasted Grosbeaks for the season was also a good number.

It was a good fall for sparrows as well, with good numbers for almost all species. The typical influx of White-throated Sparrows expected around 5 October did not materialize until more than two weeks later this fall. As with last fall, Swamp Sparrows were in very low numbers before late September, suggesting that local breeding was not particularly successful again but good numbers of migrants were banded. Or perhaps this is the norm, and the 50+ juveniles banded in August 2010 is actually the anomaly. The number of Red-winged Blackbirds banded was a record for the fall season. A greater number are often banded in spring, but by late summer the species is finished nesting and seems to abandon its nesting areas in the marsh. This year, quite a number of young and adults lingered in the banding area throughout the fall, allowing their interesting molt patterns to be observed in greater detail than previously. Record fall numbers of Baltimore Orioles were also banded, along with good numbers of House Finches. American Goldfinch numbers were again high but fell short of last year's record number.

The Yellow-billed Cuckoo on 24 October was only the second ever banded here, and was on an extremely late date. An Eastern Screech-Owl early in the morning of 17 October was the first positive result of audio-luring for owls in the three years this has been attempted. The Olive-sided Flycatcher on 26 August was only the second since 2005 (first was in 2009) and the fourth since 1999. An Eastern Kingbird on 10 August was the first since 2005 and only

the second ever here. The first fall Northern Rough-winged Swallow was banded in 2010, but there were two this fall on 10 August. The Blue-gray Gnatcatcher was only the second in fall since 1990. Two Field Sparrows were the third and fourth since 2005 and only the eighth and ninth ever here. Two “Gambell’s” subspecies of White-crowned Sparrow, which normally migrates through the Great Plains and westernmost Great Lakes, were the first ever banded here. Other infrequently captured species included six Philadelphia Vireos (the best number in years), two Tufted Titmice, a White-breasted Nuthatch, two Northern Parulas, three Cape May Warblers (the best number in years), a Blackburnian Warbler, three Rose-breasted Grosbeaks, and an Eastern Towhee.

Details for all species captured this fall are shown in Table 6 below.

Interesting early and late records this fall included the previously mentioned Yellow-billed Cuckoo on the extraordinary date anywhere in the state of 25 October, a somewhat late Eastern Wood-Pewee on 2 October, an unusually early Eastern Phoebe on 12 August (they aren’t known to breed here), a late Gray Catbird on 21 October, late Orange-crowned and Nashville Warblers on 24 October, and a late Palm Warbler on 17 October. Due to banding being conducted on 4 November, later than ever before, every species banded that day was by default a “record late”, including Tufted Titmouse, Golden-crowned Kinglet, Ruby-crowned Kinglet, American Robin, American Tree Sparrow, Fox Sparrow, Song Sparrow, Swamp Sparrow, Dark-eyed Junco, House Finch, and American Goldfinch. Virtually all these species are present in the banding area into late November at least, if not permanently resident.

Very high or record numbers on single days included 9 Brown Creepers on 21 October, 14 Gray Catbirds on 29 September (record), 13 Tennessee Warblers on 9 September (record), 41 Nashville Warblers on 17 September, 23 Yellow-rumped Warblers on 2 October, 5 Indigo Buntings on 25 September (record), 2 Field Sparrows on 12 October (record), 5 Fox Sparrows on 24 October, 22 Swamp Sparrows on 21 October, 96 White-throated Sparrows on 21 October (record), 11 White-crowned Sparrows on 21 October, and 53 American Goldfinches on 24 September.

Details of first and last dates, peak dates and peak numbers for all species can be found in Table 7 below.

CAPTURES BY HABITAT

Breaking down the captures by net groups shown in Table 2 below, on a per-net basis the Field Nets were clearly the most productive as has been the case since 2005, followed by the Field Edge. The Upland Nets as a group were more productive than in recent years while the Swamp Nets were less productive.

Captures of Ruby-throated Hummingbird were mostly in the Field Nets, where there was good growth of Jewelweed this fall, followed by good numbers in the Willow Nets and the Field Edge Net (where feeders were placed to attract hummingbirds). Vireos were mostly in the Field Nets, very possibly due to the resurgence of Dogwood there after removal over the past two years of Glossy Buckthorn. Warblers were captured significantly more often in the Field Nets, with notable numbers in the Swamp and Upland Nets. As expected, most sparrows were captured in the Field Nets but this year with a notable number also in the Upland Nets, while thrushes were captured mostly in the Upland and Swamp Nets as usual. White-throated Sparrows were not most often captured in the Field Nets this year as in all previous years, but instead most were in the Upland nets.

Captures by net group for selected species is shown in Table 3 below.

Table 2. Captures by net groups for all species.

Net Group	No. captured	% captured	% per net
Field (2.5 nets)	1317	62.1%	24.8%
Field Edge (1.0 net)	139	6.6%	6.6%
Willow (2.0 nets)	148	7.0%	3.5%
Upland (4.0 nets)	326	15.4%	3.8%
Swamp (4.0 nets)	190	9.0%	2.2%

Table 3. Captures by net group for selected species.

Species	Field	Field Edge	Willow	Upland	Swamp
Ruby-throated Hummingbird (n=158)	46.8%	22.8%	21.5%	7.0%	1.9%
<i>Empidonax</i> Flycatchers	96.2%	3.8%	-	-	-
All flycatchers (n=38)	84.2%	5.3%	5.3%	2.6%	2.6%
All vireos (n=38)	81.6%	7.9%	2.6%	2.6%	5.3%
Brown Creeper	3.7%	-	18.5%	29.6%	48.1%
Golden-crowned Kinglet	26.3%	-	5.3%	47.4%	21.0%
Ruby-crowned Kinglet	40.9%	-	4.5%	40.9%	13.6%
Gray-cheeked Thrush	-	5.3%	10.5%	10.5%	73.7%
Swainson's Thrush	8.0%	4.0%	28.0%	12.0%	48.0%
Hermit Thrush	2.0%	-	16.0%	22.0%	60.0%
American Robin	33.3%	14.8%	7.4%	40.7%	3.7%
All thrushes (n=124)	9.7%	4.8%	16.1%	22.6%	46.8%
Nashville Warbler	65.9%	11.6%	5.4%	7.8%	9.3%
Tennessee Warbler	67.6%	2.9%	-	8.8%	20.6%
Magnolia Warbler	9.8%	17.6%	13.7%	35.3%	23.5%
Yellow-rumped Warbler	34.5%	-	10.3%	29.3%	25.9%
Black-throated Blue Warbler	-	-	20.6%	29.4%	50.0%
Blackpoll Warbler	40.0%	-	10.0%	40.0%	10.0%
American Redstart	47.4%	15.8%	15.8%	10.5%	10.5%
Common Yellowthroat	77.4%	15.1%	5.7%	-	1.9%
Wilson's Warbler	50.0%	15.0%	15.0%	10.0%	10.0%
All warblers (n=479)	49.3%	8.6%	9.0%	15.6%	17.5%
Lincoln's Sparrow	100.0%	-	-	-	-
Swamp Sparrow	95.9%	1.0%	1.0%	2.1%	-
Song Sparrow	85.3%	8.8%	1.2%	4.1%	0.6%
White-throated Sparrow	18.8%	6.2%	11.2%	59.6%	4.2%
White-crowned Sparrow	90.6%	-	-	9.4%	-
All sparrows (n=584)	59.8%	5.6%	5.5%	26.9%	2.2%
Red-winged Blackbird	91.0%	5.4%	-	3.6%	-
American Goldfinch (n=445)	98.9%	0.7%	-	0.2%	0.2%

AGE RATIOS

The ratios of adult to young birds captured is potentially biased by differential capture rates of age groups that may forage at different heights, with young birds foraging lower and being captured more often. But, these samples may also provide some insight to nesting success from one year to another. The age ratios for selected species is provided in Table 4 below.

Table 4. Age ratios for selected species banded, and all species combined. (Adult = AHY+SY+ASY).

Species	Adult	HY	U
Ruby-throated Hummingbird	5.1%	94.9%	-
Warbling Vireo	5.3%	94.7%	-
Black-capped Chickadee	15.4%	84.6%	-
Brown Creeper	7.4%	66.7%	25.9%
Golden-crowned Kinglet	0%	60.0%	40.0%
Ruby-crowned Kinglet	0%	100.0%	-
Gray-checked Thrush	10.5%	89.5%	-
Swainson's Thrush	24.0%	76.0%	-
Hermit Thrush	6.2%	93.8%	-
American Robin	14.8%	85.2%	-
Gray Catbird	10.4%	89.6%	-
Nashville Warbler	7.0%	93.0%	-
Tennessee Warbler	3.0%	97.0%	-
Magnolia Warbler	27.5%	72.5%	-
Yellow-rumped Warbler	22.4%	77.6%	-
Black-throated Blue Warbler	5.9%	94.1%	-
Blackpoll Warbler	0%	100.0%	-
American Redstart	5.3%	94.7%	-
Common Yellowthroat	20.8%	79.2%	-
Swamp Sparrow	17.7%	82.3%	-
Song Sparrow	18.2%	81.8%	-
White-crowned Sparrow	28.1%	71.9%	-
White-throated Sparrow	30.0%	70.0%	-
Red-winged Blackbird	21.4%	78.6%	-
Baltimore Oriole	60.0%	40.0%	-
American Goldfinch	26.2%	73.8%	-
ALL SPECIES	18.4%	80.8%	0.8%

BREEDING EVIDENCE

This fall breeding evidence was detected in 126 individuals of 14 species, most of which (83) were adult American Goldfinches. Hatch-year goldfinches were also captured but are not tallied as breeding evidence because they may not have been hatched locally despite some of them having noticeably short tails. In contrast, all 7 juvenile Common Yellowthroats had not yet molted into first basic plumage and were clearly locally hatched. This compares with only 10 individuals of 5 species in 2010 and 37 individuals of 12 species in 2009.

The success of American Goldfinches was probably due to the abundance of thistles (*Cirsium* sp.) in the banding area, which have come in strong after last year's burn and this spring's mowing of the *Phragmites*. Insectivores had a banner year too, with an excellent hatch of mayflies (Order: Ephemeroptera) during spring and summer.

Details of breeding evidence can be found in Table 8 below.

RETURNS, RECAPTURES & FOREIGN RE-ENCOUNTERS

The overall number of recaptures this fall (297) was the second highest to date. The return of 64 individuals from previous years and seasons are summarized in Table 5 below. Details of these returns by year can be found in Tables 9-15. The Location column (Loc) in tables 9-15 gives an idea of the movements or territory of these individuals.

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. There are two such re-encounters to report.

- An American Redstart (2550-22672) banded as a hatch-year female on 5 September 2010 at Metro Beach was recaptured and released alive on 10 June 2011 at the Bruce Peninsula Bird Observatory at the tip of the Bruce Peninsula, Ontario, Canada where it very likely was breeding. This is about 198 miles NE of Metro Beach.
- A Black-throated Blue Warbler (2620-66556) banded as a hatch-year male on 17 September 2011 was recaptured by another bander, Tom Bartlett, on 24 September 2011 at the Jones Preserve on the northeast side of Kelleys Island in Lake Erie, Ohio; a distance of 66 miles almost due south. He weighed 9.5 grams when banded and 10.6 grams when recaptured 7 days later, and very likely gained this weight at Metro Beach before migrating south.

Table 5. Returns by year.

	Banded in Spring 2011	Banded in 2010	Banded in 2009	Banded in 2008	Banded in 2007	Banded in 2006	Banded in 2005	Banded in 2004
2005 Returns No. (species)	-	-	-	-	-	-	6 (3)	-
2006 Returns No. (species)	-	-	-	-	-	5 (4)	20 (9)	3 (3)
2007 Returns No. (species)	-	-	-	-	8 (4)	8 (5)	7 (4)	1 (1)
2008 Returns No. (species)	-	-	-	12 (6)	14 (7)	4 (4)	6 (3)	-
2009 Returns No. (species)	-	-	12 (8)	16 (7)	4 (3)	-	4 (4)	1 (1)
2010 Returns No. (species)	-	7 (5)	12 (6)	9 (3)	7 (4)	1 (1)	-	-
2011 Returns No. (species)	12 (6)	26 (7)	11 (5)	6 (4)	7 (3)	1 (1)	-	1 (1)

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 general, migration is more protracted in fall, so stopover durations are sometimes longer.

A total of 159 individuals of 26 migrant species banded this fall were recaptured on subsequent days to document stopover duration and measure weight gains or losses. This is slightly fewer individuals but significantly more species than last year.

Weight gains of 77 individuals averaged 6.7% while losses of 76 individuals averaged 5.9%. Changes of about 3% or less are likely within the range of daily variation for most species and may not be significant. The greatest weight gains included 26.9% in only 4 days by a Nashville Warbler and 19.6% in 17 days by a Lincoln's Sparrow. Greatest weight losses recorded included 27.0% in 15 days by a Red-winged Blackbird, 21.2% in 22 days and 18.8% in 3 days by two American Goldfinches, and 13.3% in 3 days by a White-throated Sparrow.

Stopovers were recorded for 8 species and 27 individuals of Neotropical migrant warbler, Tennessee, Nashville, Magnolia, Black-throated Blue, Black-and-white, Ovenbird, Northern Waterthrush, and Common Yellowthroat. Duration of stopovers for these warblers, excluding the 7 Common Yellowthroats (which breeds in the area), ranged from 1 day by a Black-throated Blue Warbler to 22 days by a Tennessee Warbler. Seven showed weight gains and seven showed weight losses. Thirteen Common Yellowthroats were recaptured, mostly hatch-year birds, which is slightly more than the very low number recaptured last fall. Song Sparrows, which also breed locally, provided recapture data for 36 individuals. Very good numbers of White-throated Sparrows banded generated recaptures of 11 individuals, only 4.5% of the total banded which may be due to the late peak this fall. Their stopovers ranged from 2-18 days; 2 gained weight and 9 lost weight. Good numbers of White-crowned Sparrows

banded this year generated stopover data for 12 individuals (38% of the total banded), ranging from 3-17 days; 8 gained weight and 3 lost weight, with one staying the same weight. This included the one immature “Gambell’s” White-crowned Sparrow recaptured which gained a modest 1.2% in 9 days. The most numerous species recaptured was American Goldfinch, with 35 individuals (8% of the total banded). Stopovers ranged from 1 to 63 days, and averaged 9.9 days. Weight gains were noted in 14 goldfinches (average 3.1%), and weight losses in 21 goldfinches (average 5.8%).

Table 16 below provides details of weight gains and losses detected during Fall 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, and an important area for breeding birds as well.

ACKNOWLEDGMENTS

I would like to thank the park superintendent, Jim Pershing, for giving us permission to band in the park, and drive our cars into a closed area, and I wish him well in his new assignment at Metroparks in Wayne County. I would also like to thank the staff at the Metro Beach Nature Center for their continuing support, especially Julie Champion and including Chris Becher, Nick Dicresce, Sarah Matuszak, and Michele Serreyn.

Banding this spring simply could not have been done without the able assistance of the following volunteers:

John Bieganowski, Mary C. Buchowski, Terri L. Chapdelaine, Brandon Charlebois, Chris Charlebois, Jacob Charlebois, Mike Charlebois, Sandy Cohen, Karen Fenwick, Jean M. Gramlich, Jeremy Joswick, Stevie M. Kuroda, Dave J. Lancaster, Harry Lau, Rose Lau, Ava Lau, Tessa Lau, Gisela Lendle-King, Kathi McDonald, Marie C. McGee, Jeremy R. Miller, Thomas A. Schlack, Jeff Silence, Joan M. Tisdale, Judi G. Wade, and Bruce Watson.

Table 6. Birds banded at Metro Beach Metropark in Fall 2011, compared with the 1990-1999 average and the 2005-2010 average (No. per 100 net hours in parentheses). **Bold = first ever banded here, Bold Italic = first banded here in fall,** ¹ = all time record, ² = tied all time record, ³ = fall record, ⁴ = tied fall record). **Bold red text** indicates significant declines, or significant missing species from the tally.

Species	1990-1999 Fall Avg.	2005-2010 Fall Avg.	Fall 2011 Totals	Returns From 2004-2010
Sharp-shinned Hawk	0.2 (0.02)	0.7 (0.035)	-	-
Broad-winged Hawk	-	0.2 (0.01)	-	-
Virginia Rail	0.1 (0.01)	-	-	-
American Woodcock	-	0.2 (0.01)	-	-
Mourning Dove	0.1 (0.01)	0.2 (0.01)	-	-
Black-billed Cuckoo	0.5 (0.04)	-	-	-
Yellow-billed Cuckoo	0.1 (0.01)	-	1 (0.05)	-
Eastern Screech-Owl	-	-	1 (0.05)	-
Ruby-throated Hummingbird	-	72.2 (5.73)	158¹ (7.68)	-
Red-bellied Woodpecker	-	0.2 (0.01)	-	-
Yellow-bellied Sapsucker	0.5 (0.04)	0.5 (0.04)	-	-
Downy Woodpecker	4.5 (0.38)	7.8 (0.62)	9 (0.44)	-
Hairy Woodpecker	0.2 (0.02)	0.2 (0.01)	-	1
Northern Flicker	0.7 (0.06)	2.3 (0.19)	2 (0.10)	-
Olive-sided Flycatcher	-	0.2 (0.01)	1 (0.05)	-
Eastern Wood-Pewee	1.5 (0.13)	3.0 (0.20)	8 (0.39)	1
Yellow-bellied Flycatcher	6.9 (0.59)	3.0 (0.24)	2 (0.10)	-
Acadian Flycatcher	0.5 (0.05)	-	-	-
Alder Flycatcher	-	1.0 (0.08)	3 (0.15)	-
Willow Flycatcher	-	2.5 (0.20)	6 (0.29)	-
“Traill’s” Flycatcher	1.1 (0.09)	4.8 (0.38)	4 (0.19)	-
Least Flycatcher	2.6 (0.22)	6.7 (0.53)	11 (0.53)	-
Eastern Phoebe	0.9 (0.08)	2.5 (0.20)	1 (0.05)	-
Great Crested Flycatcher	1.2 (0.10)	-	1 (0.05)	-
Eastern Kingbird	-	-	1 (0.05)	-
Blue-headed Vireo	2.5 (0.22)	4.0 (0.32)	2 (0.10)	-
Warbling Vireo	3.0 (0.26)	2.7 (0.21)	19¹ (0.92)	-
Philadelphia Vireo	4.0 (0.34)	0.5 (0.04)	6 (0.29)	-
Red-eyed Vireo	10.2 (0.87)	4.7 (0.37)	11 (0.53)	-
Blue Jay	4.5 (0.39)	6.8 (0.54)	-	-
Northern Rough-winged Swallow	-	0.2 (0.01)	2³ (0.10)	-
Barn Swallow	-	0.3 (0.03)	-	-
Black-capped Chickadee	11.4 (0.97)	13.8 (1.10)	13 (0.63)	2
Tufted Titmouse	0.6 (0.05)	0.8 (0.07)	2 (0.10)	-
Red-breasted Nuthatch	0.4 (0.03)	1.0 (0.08)	-	-
White-breasted Nuthatch	0.2 (0.02)	1.2 (0.09)	1 (0.05)	-
Brown Creeper	5.4 (0.46)	16.2 (1.28)	27¹ (1.31)	-

Table 6. Cont'd. (page 2 of 3)

Species	1990-1999 Fall Avg.	2004-2010 Fall Avg.	Fall 2011 Totals	Returns From 2004-2010
Carolina Wren	0.8 (0.07)	1.7 (0.13)	1 (0.05)	-
House Wren	3.9 (0.33)	19.3 (1.53)	5 (0.24)	-
Winter Wren	6.2 (0.53)	15.0 (1.19)	8 (0.39)	-
Marsh Wren	9.5 (0.81)	3.8 (0.30)	-	-
Golden-crowned Kinglet	38.6 (3.29)	66.3 (5.27)	19 (0.92)	-
Ruby-crowned Kinglet	35.6 (3.03)	52.2 (4.14)	23 (1.12)	-
Blue-gray Gnatcatcher	0.1 (0.01)	0.2 (0.01)	1 (0.05)	-
Veery	3.9 (0.33)	2.0 (0.16)	2 (0.10)	-
Gray-cheeked Thrush	11.2 (0.95)	13.5 (1.07)	19 (0.92)	-
Swainson's Thrush	43.9 (3.74)	38.0 (3.02)	25 (1.22)	-
Hermit Thrush	25.7 (2.19)	82.0 (6.51)	50 (2.43)	-
Wood Thrush	1.4 (0.12)	1.3 (0.11)	1 (0.05)	-
American Robin	2.9 (0.25)	29.5 (2.34)	27 (1.31)	-
Gray Catbird	21.6 (1.84)	18.5 (1.47)	29 (1.41)	-
Brown Thrasher	0.1 (0.01)	0.2 (0.01)	-	-
European Starling	-	1.0 (0.08)	-	-
Cedar Waxwing	7.4 (0.63)	8.0 (0.64)	11 (0.53)	-
Blue-winged Warbler	-	0.2 (0.01)	-	-
Golden-winged Warbler	0.4 (0.03)	-	-	-
Tennessee Warbler	4.7 (0.40)	11.7 (0.93)	34¹ (1.65)	-
Orange-crowned Warbler	1.0 (0.09)	6.5 (0.52)	4 (0.19)	-
Nashville Warbler	8.5 (0.73)	39.8 (3.16)	129¹ (6.27)	-
Northern Parula	0.5 (0.05)	1.3 (0.11)	2 (0.10)	-
Yellow Warbler	2.4 (0.20)	20.7 (1.64)	15 (0.73)	1
Chestnut-sided Warbler	8.3 (0.70)	9.7 (0.77)	8 (0.39)	-
Magnolia Warbler	78.0 (6.64)	41.7 (3.31)	51 (2.48)	-
Cape May Warbler	0.8 (0.07)	0.3 (0.03)	3 (0.15)	-
Black-throated Blue Warbler	15.5 (1.32)	39.0 (3.10)	34 (1.65)	-
Yellow-rumped Warbler	11.1 (0.94)	8.5 (0.67)	58 (2.82)	-
Black-throated Green Warbler	1.2 (0.10)	1.0 (0.08)	2 (0.10)	-
Blackburnian Warbler	1.0 (0.09)	1.7 (0.13)	1 (0.05)	-
(Western) Palm Warbler	0.5 (0.05)	3.3 (0.26)	5 (0.24)	-
Bay-breasted Warbler	6.1 (0.52)	5.5 (0.44)	3 (0.15)	-
Blackpoll Warbler	11.7 (1.00)	10.7 (0.85)	10 (0.49)	-
Black-and-white Warbler	9.5 (0.81)	6.0 (0.48)	4 (0.19)	-
American Redstart	41.6 (3.54)	17.0 (1.35)	18 (0.87)	-
Prothonotary Warbler	0.1 (0.01)	-	-	-
Ovenbird	7.9 (0.67)	15.7 (1.24)	13 (0.63)	-
Northern Waterthrush	9.4 (0.80)	9.7 (0.77)	6 (0.29)	-

Table 6. Cont'd. (page 3 of 3)

Species	1990-1999 Fall Avg.	2004-2010 Fall Avg.	Fall 2011 Totals	Returns From 2004-2010
Connecticut Warbler	0.5 (0.05)	0.7 (0.05)	-	-
Mourning Warbler	2.7 (0.23)	5.8 (0.46)	3 (0.15)	-
Common Yellowthroat	16.9 (1.44)	59.3 (4.71)	53 (2.58)	8
Wilson's Warbler	13.7 (1.17)	18.3 (1.46)	20 (0.97)	-
Canada Warbler	5.5 (0.46)	7.5 (0.60)	2 (0.10)	-
Hooded Warbler	-	0.2 (0.01)	-	-
Yellow-breasted Chat	0.1 (0.01)	0.2 (0.01)	-	-
Scarlet Tanager	0.1 (0.01)	-	-	-
Northern Cardinal	6.1 (0.52)	17.7 (1.40)	8 (0.39)	2
Rose-breasted Grosbeak	2.3 (0.19)	1.3 (0.11)	3 (0.15)	-
Indigo Bunting	0.3 (0.02)	1.2 (0.09)	6¹ (0.29)	-
Eastern Towhee	-	0.8 (0.07)	1 (0.05)	-
American Tree Sparrow	-	3.3 (0.26)	12⁴ (0.58)	-
Chipping Sparrow	-	0.2 (0.01)	-	-
Field Sparrow	0.2 (0.02)	0.3 (0.03)	2¹ (0.10)	-
Fox Sparrow	1.7 (0.15)	8.7 (0.69)	15 (0.73)	-
Song Sparrow	46.7 (3.98)	126.3 (10.03)	170 (8.26)	7
Lincoln's Sparrow	1.5 (0.13)	11.8 (0.94)	12 (0.58)	-
Swamp Sparrow	16.8 (1.43)	66.8 (5.31)	96 (4.67)	1
White-throated Sparrow	56.7 (4.83)	226.0 (17.94)	240 (11.67)	-
White-crowned Sparrow	1.8 (0.15)	13.0 (1.03)	32 (1.56)	-
Dark-eyed Junco	1.1 (0.09)	4.0 (0.32)	4 (0.19)	-
Red-winged Blackbird	1.1 (0.09)	8.8 (0.70)	56³ (2.72)	1
Common Grackle	0.2 (0.02)	1.0 (0.08)	-	-
Brown-headed Cowbird	0.1 (0.01)	0.2 (0.01)	1 (0.05)	-
Orchard Oriole	-	0.2 (0.01)	-	-
Baltimore Oriole	-	3.7 (0.29)	10³ (0.49)	1
Purple Finch	0.1 (0.01)	0.2 (0.01)	-	-
House Finch	3.7 (0.32)	0.5 (0.04)	11 (0.53)	-
Common Redpoll	0.1 (0.01)	-	-	-
American Goldfinch	3.2 (0.27)	149.2 (11.84)	445 (21.63)	27

Table 7. Birds banded at Metro Beach Metropark in Fall 2011, earliest, latest, and peak numbers. Unusual species, dates, or numbers are boldfaced.

Species	Earliest Date	Latest Date	Peak No.	Peak Date
Sharp-shinned Hawk	-	-	-	-
Broad-winged Hawk	-	-	-	-
Virginia Rail	-	-	-	-
American Woodcock	-	-	-	-
Mourning Dove	-	-	-	-
Black-billed Cuckoo	-	-	-	-
Yellow-billed Cuckoo	24-Oct-11	24-Oct-11	1	24-Oct-11
Eastern Screech-Owl	17-Oct-11	17-Oct-11	1	17-Oct-11
Ruby-throated Hummingbird	10-Aug-11	29-Sep-11	30	09-Sep-11 17-Sep-10
Red-bellied Woodpecker	-	-	-	-
Yellow-bellied Sapsucker	-	-	-	-
Downy Woodpecker	26-Aug-11	21-Oct-11	1	9 dates
Hairy Woodpecker	-	-	-	-
Northern Flicker	18-Aug-11	03-Sep-11	1	Both dates
Olive-sided Flycatcher	26-Aug-11	26-Aug-11	1	26-Aug-11
Eastern Wood-Pewee	10-Aug-11	02-Oct-11	2	2 dates
Yellow-bellied Flycatcher	17-Sep-11	17-Sep-11	2	17-Sep-11
Acadian Flycatcher	-	-	-	-
Alder Flycatcher	26-Aug-11	26-Aug-11	3	26-Aug-11
Willow Flycatcher	10-Aug-11	09-Sep-11	2	21-Aug-11
“Traill’s” Flycatcher	10-Aug-11	29-Aug-11	1	4 dates
Least Flycatcher	10-Aug-11	09-Sep-11	8	09-Sep-11
Eastern Phoebe	12-Aug-11	12-Aug-11	1	12-Aug-11
Great Crested Flycatcher	26-Aug-11	26-Aug-11	1	26-Aug-11
Eastern Kingbird	10-Aug-11	10-Aug-11	1	10-Aug-11
Blue-headed Vireo	07-Oct-11	21-Oct-11	1	Both dates
Warbling Vireo	07-Aug-11	29-Aug-11	7	10-Aug-11
Philadelphia Vireo	10-Sep-11	25-Sep-11	3	17-Sep-11
Red-eyed Vireo	26-Aug-11	29-Sep-11	4	05-Sep-11
Blue Jay	-	-	-	-
Northern Rough-winged Swallow	10-Aug-11	10-Aug-11	2	10-Aug-11
Barn Swallow	-	-	-	-
Black-capped Chickadee	26-Aug-11	17-Oct-11	3	05-Sep-11
Tufted Titmouse	25-Sep-11	04-Nov-11	1	Both dates
Red-breasted Nuthatch	-	-	-	-
White-breasted Nuthatch	03-Sep-11	03-Sep-11	1	03-Sep-11
Brown Creeper	07-Oct-11	29-Oct-11	9	21-Oct-11
Carolina Wren	21-Oct-11	21-Oct-11	1	21-Oct-11
House Wren	26-Aug-11	29-Sep-11	1	4 dates

Table 7. Cont'd. (page 2 of 3)

Species	Earliest Date	Latest Date	Peak No.	Peak Date
Winter Wren	29-Sep-11	24-Oct-11	4	24-Oct-11
Marsh Wren	-	-	-	-
Golden-crowned Kinglet	07-Oct-11	04-Nov-11	11	21-Oct-11
Ruby-crowned Kinglet	07-Oct-11	04-Nov-11	9	21-Oct-11
Blue-gray Gnatcatcher	15-Aug-11	15-Aug-11	1	15-Aug-11
Veery	26-Aug-11	03-Sep-11	1	Both dates
Gray-cheeked Thrush	24-Sep-11	12-Oct-11	7	25-Sep-11
Swainson's Thrush	26-Aug-11	07-Oct-11	8	25-Sep-11
Hermit Thrush	02-Oct-11	24-Oct-11	19	21-Oct-11
Wood Thrush	25-Sep-11	25-Sep-11	1	25-Sep-11
American Robin	15-Aug-11	04-Nov-11	6	15-Aug-11
Gray Catbird	18-Aug-11	21-Oct-11	14	29-Sep-11
Brown Thrasher	-	-	-	-
European Starling	-	-	-	-
Cedar Waxwing	10-Aug-11	18-Aug-11	5	18-Aug-11
Blue-winged Warbler	-	-	-	-
Golden-winged Warbler	-	-	-	-
Tennessee Warbler	18-Aug-11	29-Sep-11	13	09-Sep-11
Orange-crowned Warbler	25-Sep-11	24-Oct-11	3	25-Sep-11
Nashville Warbler	29-Aug-11	24-Oct-11	41	17-Sep-11
Northern Parula	25-Sep-11	29-Sep-11	1	Both dates
Yellow Warbler	10-Aug-11	21-Aug-11	6	15-Aug-11
Chestnut-sided Warbler	18-Aug-11	17-Sep-11	5	09-Sep-11
Magnolia Warbler	26-Aug-11	07-Oct-11	13	29-Sep-11
Cape May Warbler	26-Aug-11	05-Sep-11	2	26-Aug-11
Black-throated Blue Warbler	29-Aug-11	12-Oct-11	6	10-Sep-11
Yellow-rumped Warbler	25-Sep-11	24-Oct-11	23	02-Oct-11
Black-throated Green Warbler	09-Sep-11	25-Sep-11	1	Both dates
Blackburnian Warbler	17-Sep-11	17-Sep-11	1	17-Sep-11
(Western) Palm Warbler	05-Sep-11	17-Oct-11	2	17-Oct-11
Bay-breasted Warbler	05-Sep-11	09-Sep-11	2	09-Sep-11
Blackpoll Warbler	29-Aug-11	02-Oct-11	3	05-Sep-11
Black-and-white Warbler	05-Sep-11	29-Sep-11	2	05-Sep-11
American Redstart	26-Aug-11	02-Oct-11	4	05-Sep-11
Prothonotary Warbler	-	-	-	-
Ovenbird	09-Sep-11	02-Oct-11	4	2 dates
Northern Waterthrush	15-Aug-11	14-Sep-11	2	05-Sep-11
Connecticut Warbler	-	-	-	-
Mourning Warbler	26-Aug-11	09-Sep-11	2	09-Sep-11
Common Yellowthroat	07-Aug-11	07-Oct-11	7	17-Sep-11
Wilson's Warbler	26-Aug-11	25-Sep-11	8	09-Sep-11

Table 7. Cont'd. (page 3 of 3)

Species	Earliest Date	Latest Date	Peak No.	Peak Date
Canada Warbler	26-Aug-11	03-Sep-11	1	Both dates
Hooded Warbler	-	-	-	-
Yellow-breasted Chat	-	-	-	-
Scarlet Tanager	-	-	-	-
Northern Cardinal	10-Aug-11	17-Oct-11	3	24-Sep-11
Rose-breasted Grosbeak	21-Aug-11	29-Sep-11	1	3 dates
Indigo Bunting	25-Sep-11	29-Sep-11	5	25-Sep-11
Eastern Towhee	21-Oct-11	21-Oct-11	1	21-Oct-11
American Tree Sparrow	29-Oct-11	04-Nov-11	7	04-Nov-11
Chipping Sparrow	-	-	-	-
Field Sparrow	12-Oct-11	12-Oct-11	2	12-Oct-11
Fox Sparrow	17-Oct-11	04-Nov-11	5	24-Oct-11
Song Sparrow	10-Aug-11	04-Nov-11	26	21-Oct-11
Lincoln's Sparrow	14-Sep-11	21-Oct-11	2	3 dates
Swamp Sparrow	07-Aug-11	04-Nov-11	22	21-Oct-11
White-throated Sparrow	24-Sep-11	29-Oct-11	96	21-Oct-11
White-crowned Sparrow	02-Oct-11	24-Oct-11	11	21-Oct-11
Dark-eyed Junco	17-Oct-11	04-Nov-11	2	04-Nov-11
Red-winged Blackbird	10-Aug-11	29-Oct-11	8	18-Aug-11
Common Grackle	-	-	-	-
Brown-headed Cowbird	10-Aug-11	10-Aug-11	1	10-Aug-11
Orchard Oriole	-	-	-	-
Baltimore Oriole	10-Aug-11	26-Aug-11	7	10-Aug-11
Purple Finch	-	-	-	-
House Finch	15-Aug-11	04-Nov-11	2	3 dates
Common Redpoll	-	-	-	-
American Goldfinch	10-Aug-11	04-Nov-11	53	24-Sep-11

Table 8. Breeding Evidence of Birds captured at Metro Beach Metropark in Fall 2011
(BP=Brood Patch, CP=Cloacal Protuberance, 1=min., 3=max., 4=diminishing)

Species	Age/Sex	Band No.	Date Banded	Dates Recaptured	Breeding Evidence Observed
Hairy Woodpecker	AHY-F	1152-09385	23-May-04	15-Aug-11	BP=4
Eastern Wood-Pewee	AHY-F	2610-05063	04-Jun-10	15-Aug-11	BP=3
Eastern Wood-Pewee	AHY-U	2610-05599	15-Aug-11	-	BP=1
Willow Flycatcher	HY-U	2610-05621	21-Aug-11	-	Juv.
Willow Flycatcher	HY-U	2610-05623	21-Aug-11	-	Juv.
Warbling Vireo	AHY-F	2610-05563	07-Aug-11	-	BP=4
Blue-gray Gnatcatcher	AHY-F	2620-66358	15-Aug-11	-	BP=4
House Wren	AHY-F	2610-05568	10-Aug-11	-	BP=3
American Robin	AHY-F	1292-72830	18-Aug-11	-	BP=4
American Robin	HY-U	1292-72835	21-Aug-11	-	Juv.
American Robin	HY-U	1292-72839	29-Aug-11	-	Juv.
American Robin	HY-U	1292-72840	29-Aug-11	-	Juv.
American Robin	HY-U	1292-72841	03-Sep-11	-	Juv.
American Robin	HY-U	1292-72843	03-Sep-11	-	Juv.
American Robin	HY-U	1292-72844	03-Sep-11	-	Juv.
American Robin	HY-U	1292-72845	03-Sep-11	-	Juv.
Cedar Waxwing	AHY-F	2551-24363	10-Aug-11	-	BP=3
Cedar Waxwing	AHY-F	2551-24404	15-Aug-11	-	BP=4
Cedar Waxwing	AHY-M	2551-24420	18-Aug-11	-	CP=3
Common Yellowthroat	AHY-F	2610-05096	27-Aug-10	10-Aug-11	BP=3
Common Yellowthroat	AHY-F	2610-05120	31-Aug-10	10-Aug-11	BP=3
Common Yellowthroat	HY-U	2610-05564	07-Aug-11	-	Juv.
Common Yellowthroat	HY-U	2610-05565	10-Aug-11	-	Juv.
Common Yellowthroat	HY-U	2610-05567	10-Aug-11	-	Juv.
Common Yellowthroat	HY-U	2610-05569	10-Aug-11	-	Juv.
Common Yellowthroat	HY-U	2610-05570	10-Aug-11	- 15-Aug-11 26-Aug-11 29-Aug-11 25-Sep-11	Juv. Juv. - - -
Common Yellowthroat	HY-U	2610-05587	15-Aug-11	-	Juv.
Common Yellowthroat	HY-U	2610-05597	15-Aug-11	-	Juv.
Song Sparrow	ASY-F	2431-38069	23-May-09	18-Aug-11 26-Aug-11	BP=3 BP=4
Song Sparrow	AHY-F	2431-38080	06-Jun-09	15-Aug-11 21-Aug-11	BP=3 BP=3
Song Sparrow	AHY-F	2431-38792	14-Aug-10	15-Aug-11 18-Aug-11	BP=3 BP=3
Song Sparrow	AHY-M	2431-38841	10-Sep-10	10-Aug-11	CP=2
Song Sparrow	AHY-F	2551-24360	10-Aug-11	-	BP=3
Song Sparrow	AHY-F	2551-24370	10-Aug-11	-	BP=4
Song Sparrow	AHY-M	2551-24374	10-Aug-11	-	CP=2

Table 8. Cont'd. (page 2 of 4)

Species	Age/Sex	Band No.	Date Banded	Dates Recaptured	Breeding Evidence Observed
Song Sparrow	AHY-F	2551-24390	15-Aug-11	-	BP=3
Song Sparrow	AHY-F	2551-24395	15-Aug-11	-	BP=1
Swamp Sparrow	AHY-M	2511-29383	30-Apr-11	10-Aug-11 15-Aug-11	CP=2 CP=2
Swamp Sparrow	AHY-F	2511-56068	07-Aug-11	- 10-Aug-11 15-Aug-11	BP=3, egg? BP=3 BP=3
Northern Cardinal	AHY-F	1991-00928	16-Aug-06	05-Sep-11	BP=3
Red-winged Blackbird	ASY-F	199196193	24-Apr-09	18-Aug-11	BP=4
Red-winged Blackbird	AHY-F	2411-55127	18-Aug-11	-	BP=4
Red-winged Blackbird	AHY-F	2411-55137	26-Aug-11	-	BP=4
American Goldfinch	AHY-F	1601-24758	14-Apr-07	09-Sep-11	BP=4
American Goldfinch	AHY-M	1601-24789	20-Apr-07	10-Aug-11	CP=2
American Goldfinch	AHY-M	2311-28877	16-Aug-07	10-Aug-11	CP=2
American Goldfinch	AHY-F	2311-28890	31-Aug-07	03-Sep-11 10-Sep-11	BP=4 BP=4
American Goldfinch	AHY-F	2311-71583	16-Apr-08	03-Sep-11	BP=4
American Goldfinch	AHY-F	2321-69647	02-Oct-08	25-Sep-11	BP=4
American Goldfinch	AHY-F	2391-16056	18-Apr-09	03-Sep-11	BP=4
American Goldfinch	AHY-F	2391-16256	06-Sep-09	29-Aug-11	BP=4
American Goldfinch	AHY-F	2401-00768	09-Apr-10	14-Sep-11	BP=4
American Goldfinch	AHY-F	2401-00965	27-Aug-10	10-Sep-11	BP=4
American Goldfinch	AHY-M	2401-00971	27-Aug-10	10-Aug-11	CP=3
American Goldfinch	AHY-F	2401-44661	05-Sep-10	05-Sep-11	BP=3
American Goldfinch	AHY-F	2401-44769	18-Sep-10	10-Sep-11	BP=4
American Goldfinch	AHY-F	2401-44974	13-Oct-10	10-Sep-11	BP=4
American Goldfinch	AHY-M	2511-29006	14-Oct-10	18-Aug-11	CP=3
American Goldfinch	AHY-F	2511-29069	29-Oct-10	10-Sep-11	BP=4
American Goldfinch	AHY-M	2511-29443	06-May-11	18-Aug-11	CP=3
American Goldfinch	AHY-M	2511-56042	28-May-11	15-Aug-11	CP=3
American Goldfinch	AHY-F	2511-56063	04-Jun-11	26-Aug-11	BP=4
American Goldfinch	AHY-M	2511-56069	10-Aug-11	-	CP=2
American Goldfinch	AHY-M	2511-56073	10-Aug-11	-	CP=2
American Goldfinch	AHY-M	2511-56080	10-Aug-11	-	CP=2
American Goldfinch	AHY-F	2511-56081	10-Aug-11	-	BP=3
American Goldfinch	AHY-F	2511-56082	10-Aug-11	-	BP=3
American Goldfinch	AHY-F	2511-56083	10-Aug-11	-	BP=3
American Goldfinch	AHY-M	2511-56084	10-Aug-11	-	CP=2
American Goldfinch	AHY-M	2511-56085	10-Aug-11	-	CP=3
American Goldfinch	AHY-F	2511-56086	10-Aug-11	-	BP=3
American Goldfinch	AHY-F	2511-56087	10-Aug-11	-	BP=3
American Goldfinch	AHY-M	2511-56088	10-Aug-11	-	CP=3
American Goldfinch	AHY-F	2511-56089	15-Aug-11	-	BP=3

Table 8. Cont'd. (page 3 of 4)

Species	Age/Sex	Band No.	Date Banded	Dates Recaptured	Breeding Evidence Observed
American Goldfinch	AHY-M	2511-56092	15-Aug-11	-	CP=3
American Goldfinch	AHY-M	2511-56095	15-Aug-11	-	CP=3
American Goldfinch	AHY-M	2511-56099	15-Aug-11	-	CP=2
American Goldfinch	AHY-F	2511-56100	15-Aug-11	-	BP=3
American Goldfinch	AHY-F	2511-56103	15-Aug-11	-	BP=3
American Goldfinch	AHY-F	2511-56108	18-Aug-11	-	BP=3
American Goldfinch	AHY-M	2511-56109	18-Aug-11	-	CP=3
American Goldfinch	AHY-M	2511-56110	18-Aug-11	-	CP=2
American Goldfinch	AHY-M	2511-56111	18-Aug-11	-	CP=2
American Goldfinch	AHY-F	2511-56114	18-Aug-11	-	BP=3
American Goldfinch	AHY-F	2511-56115	18-Aug-11	-	BP=4
American Goldfinch	AHY-M	2511-56116	18-Aug-11	-	CP=3
American Goldfinch	AHY-M	2511-56117	18-Aug-11	-	CP=2
American Goldfinch	AHY-F	2511-56119	18-Aug-11	-	BP=3
American Goldfinch	AHY-M	2511-56120	18-Aug-11	-	BP=2
American Goldfinch	AHY-F	2511-56122	18-Aug-11	-	BP=3
American Goldfinch	AHY-M	2511-56123	18-Aug-11	-	CP=3
American Goldfinch	AHY-F	2511-56125	18-Aug-11	-	BP=3
American Goldfinch	AHY-M	2511-56126	18-Aug-11	-	CP=2
American Goldfinch	AHY-F	2511-56152	26-Aug-11	-	BP=3
American Goldfinch	AHY-F	2511-56153	26-Aug-11	-	BP=3
American Goldfinch	AHY-F	2511-56158	26-Aug-11	-	BP=4
American Goldfinch	AHY-F	2511-56161	29-Aug-11	-	BP=4
American Goldfinch	AHY-F	2511-56165	29-Aug-11	-	BP=3
American Goldfinch	AHY-M	2511-56167	29-Aug-11	-	CP=2
American Goldfinch	AHY-M	2511-56169	29-Aug-11	-	CP=3
American Goldfinch	AHY-F	2511-56170	29-Aug-11	- 03-Sep-11	BP=3 BP=4
American Goldfinch	AHY-F	2511-56173	29-Aug-11	-	BP=3
American Goldfinch	AHY-F	2511-56174	29-Aug-11	-	BP=3
American Goldfinch	AHY-M	2511-56186	03-Sep-11	-	CP=2
American Goldfinch	AHY-F	2511-56198	05-Sep-11	09-Sep-11	BP=4
American Goldfinch	AHY-F	2511-56216	05-Sep-11	-	BP=4
American Goldfinch	AHY-F	2511-56223	05-Sep-11	-	BP=4
American Goldfinch	AHY-F	2511-56239	05-Sep-11	-	BP=3
American Goldfinch	AHY-F	2511-56240	05-Sep-11	-	BP=3
American Goldfinch	AHY-F	2511-56241	06-Sep-11	-	BP=3
American Goldfinch	AHY-F	2511-56261	09-Sep-11	-	BP=4
American Goldfinch	AHY-F	2511-56269	09-Sep-11	-	BP=4
American Goldfinch	AHY-F	2511-56275	09-Sep-11	-	BP=4
American Goldfinch	AHY-F	2511-56276	09-Sep-11	-	BP=4
American Goldfinch	AHY-F	2511-56277	09-Sep-11	-	BP=4
American Goldfinch	AHY-F	2511-56279	09-Sep-11	-	BP=4

Table 8. Cont'd. (page 4 of 4)

Species	Age/Sex	Band No.	Date Banded	Dates Recaptured	Breeding Evidence Observed
American Goldfinch	AHY-F	2511-56280	09-Sep-11	-	BP=4
American Goldfinch	AHY-F	2511-56287	10-Sep-11	-	BP=4
American Goldfinch	AHY-F	2511-56295	10-Sep-11	-	BP=4
American Goldfinch	AHY-F	2511-56302	10-Sep-11	-	BP=4
American Goldfinch	AHY-F	2511-56309	10-Sep-11	-	BP=4
American Goldfinch	AHY-F	2511-56332	14-Sep-11	-	BP=4
American Goldfinch	AHY-F	2511-56398	24-Sep-11	-	BP=4
American Goldfinch	AHY-F	2511-56464	25-Sep-11	-	BP=4
American Goldfinch	AHY-F	2511-46485	25-Sep-11	-	BP=4
American Goldfinch	AHY-F	2511-56555	06-Oct-11	-	BP=4

Table 9. Returns from 2004

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc *
Hairy Woodpecker	1152-09385	23-May-04	A3Y-F	15-Aug-11	A10Y-F	W

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

Table 10. Returns from 2006

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc *
Northern Cardinal	1991-00928	16-Aug-06	AHY-F	05-Sep-11	A6Y-F	U

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

Table 11. Returns from 2007

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc *
Black-capped Chickadee	2360-85770	09-Sep-07	HY-U	07-Oct-11	5Y-U	U
Song Sparrow (captured 19 times total since being banded!)	2281-10323	24-Sep-07	AHY-U	(19-May-11) (28-May-11) (02-Jun-11) (04-Jun-11) 21-Aug-11	A5Y-M	W SW SW W W
American Goldfinch	1601-24758	14-Apr-07	SY-F	09-Sep-11	6Y-F	F F
American Goldfinch	1601-24789	20-Apr-07	SY-M	10-Aug-11	6Y-M	F
American Goldfinch	2311-28804	11-May-07	SY-M	26-Aug-11	6Y-M	F
American Goldfinch	2311-28877	16-Aug-07	SY-M	10-Aug-11	6Y-M	F
American Goldfinch	2311-28890	31-Aug-07	HY-F	03-Sep-11 10-Sep-11	5Y-F	F F

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

Table 12. Returns from 2008

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc *
Black-capped Chickadee	2540-26538	23-Oct-08	HY-U	24-Sep-11 21-Oct-11	4Y-U	W W
Common Yellowthroat	2500-25748	03-Sep-08	AHY-F	25-Sep-11	A4Y-F	F
Song Sparrow	2281-10726	09-Aug-08	HY-U	24-Sep-11 12-Oct-11	4Y-U	F F
American Goldfinch	2321-69831	30-Oct-08	AHY-M	(23-Apr-11) 26-Aug-11	A4Y-M	F F
American Goldfinch	2311-71583	16-Apr-08	SY-F	03-Sep-11	5Y-F	F
American Goldfinch	2321-69647	02-Oct-08	HY-F	25-Sep-11	4Y-F	F

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

Table 13. Returns from 2009

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc *
Yellow Warbler	2540-26659	08-May-09	SY-M	(28-May-11) (02-Jun-11) 21-Aug-11	4Y-M	U
Common Yellowthroat	2560-75114	13-Aug-09	HY-U	(19-May-11) 24-Sep-11	3Y-M	W F
Common Yellowthroat	2560-75159	23-Aug-09	HY-U	14-Sep-11	3Y-F	F
Common Yellowthroat	2560-75213	05-Sep-09	HY-U	24-Sep-11	3Y-F	F
Song Sparrow	2431-38069	23-May-09	ASY-F	(28-May-11) 18-Aug-11 26-Aug-11	A4Y-F	U U U
Song Sparrow	2431-38080	06-Jun-09	AHY-F	(09-Apr-11) (13-Apr-11) (23-Apr-11) (28-May-11) 15-Aug-11 21-Aug-11	A3Y-F	F F F F F F
Song Sparrow	2431-38351	26-Sep-09	HY-U	24-Oct-11	3Y-U	W
Red-winged Blackbird	1991-96193	24-Apr-09	ASY-F	18-Aug-11	A4Y-F	F
American Goldfinch	2391-16256	06-Sep-09	SY-F	(23-Apr-11) (19-May-11) 29-Aug-11	4Y-F	F F F
American Goldfinch	2391-16056	18-Apr-09	SY-F	03-Sep-11	4Y-F	F
American Goldfinch	2401-00570	28-Oct-09	HY-M	29-Oct-11	3Y-M	F

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

Table 14. Returns from 2010

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc *
Eastern Wood-Pewee	2610-05063	04-Jun-10	AHY-U	15-Aug-11	AHY-F	U
Common Yellowthroat	2560-75487	14-May-10	SY-F	(28-May-11) 15-Aug-11	3Y-F	F F
Common Yellowthroat	2610-05096	27-Aug-10	AHY-F	(14-May-11) (19-May-11) 10-Aug-11	A2Y-F	F U FE
Common Yellowthroat	2610-05120	31-Aug-10	HY-U	10-Aug-11	2Y-F	F
Common Yellowthroat	2610-05125	02-Sep-10	HY-M	(02-Jun-11) 14-Sep-11	2Y-M	F F
Song Sparrow	2431-38792	14-Aug-10	HY-U	15-Aug-11 18-Aug-11	2Y-F	SW W

Table 14. Cont'd. (page 2 of 2)

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc *
Song Sparrow	2431-38841	15-Sep-10	HY-U	10-Aug-11	2Y-M	SW
Swamp Sparrow	2401-44883	29-Sep-10	HY-U	(04-Jun-11) 17-Oct-11	2Y-M	F F
Northern Cardinal	1292-72538	10-Apr-10	SY-M	(23-Apr-11) (02-Jun-11) 05-Sep-11	3Y-M	W W U
Baltimore Oriole	2411-54923	20-May-10	ASY-F	10-Aug-11	A3Y-F	F
American Goldfinch	2401-00768	09-Apr-10	SY-F	14-Sep-11	3Y-F	F
American Goldfinch	2401-00801	23-Apr-10	SY-M	(30-Apr-11) 05-Sep-11	3Y-M	F F
American Goldfinch	2401-00924	14-Aug-10	HY-M	05-Sep-11	2Y-M	F
American Goldfinch	2401-00926	18-Aug-10	AHY-M	29-Oct-11	A2Y-M	F
American Goldfinch	2401-00927	18-Aug-10	AHY-M	18-Aug-11	A2Y-M	F
American Goldfinch	2401-00965	27-Aug-10	HY-F	10-Sep-11	2Y-F	F
American Goldfinch	2401-00971	27-Aug-10	HY-M	10-Aug-11	2Y-M	F
American Goldfinch	2401-44501	28-Aug-10	HY-M	(30-Apr-11) 21-Aug-11	2Y-M	F F
American Goldfinch	2401-44661	05-Sep-10	AHY-F	05-Sep-11	A2Y-F	F
American Goldfinch	2401-44672	08-Sep-10	HY-M	(30-Apr-11) (06-May-11) (14-May-11) (28-May-11) 05-Sep-11	2Y-M	F U F U F
American Goldfinch	2401-44738	15-Sep-10	HY-M	(06-May-11) (08-May-11) (28-May-11) (04-Jun-11) 18-Aug-11	2Y-M	F F F F F
American Goldfinch	2401-44769	18-Sep-10	HY-F	10-Sep-11	2Y-F	F
American Goldfinch	2401-44869	29-Sep-10	HY-M	26-Aug-11	2Y-M	F
American Goldfinch	2401-44974	13-Oct-10	HY-F	10-Sep-11	2Y-F	F
American Goldfinch	2511-29006	14-Oct-10	HY-M	18-Aug-11	2Y-M	F
American Goldfinch	2511-29069	29-Oct-10	HY-F	10-Sep-11	2Y-F	F

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

Table 15. Recaptures from spring 2011

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc *
Black-capped Chickadee	2610-05410	03-Apr-11	AHY-U	17-Sep-11 17-Oct-11	AHY-U	F F
Black-capped Chickadee	2610-05556	02-Jun-11	AHY-F	03-Sep-11	AHY-F	U
Common Yellowthroat	2610-05561	04-Jun-11	ASY-M	10-Sep-11	A2Y-M	F
Song Sparrow	2431-24356	04-Jun-11	ASY-F	03-Sep-11	A2Y-F	FE
Swamp Sparrow	2511-29383	30-Apr-11	SY-M	(28-May-11) 10-Aug-11 15-Aug-11	2Y-M	F F F
Red-winged Blackbird	2411-55035	08-May-11	SY-F	29-Aug-11	SY-F	F
American Goldfinch	2511-29443	06-May-11	ASY-M	18-Aug-11 26-Aug-11	ASY-M	F F
American Goldfinch	2511-29467	07-May-11	SY-M	26-Aug-11	SY-M	U
American Goldfinch	2511-56042	28-May-11	ASY-M	15-Aug-11	ASY-M	F
American Goldfinch	2511-56048	28-May-11	ASY-M	10-Aug-11 17-Sep-11	ASY-M	F F
American Goldfinch	2511-56051	02-Jun-11	SY-M	21-Aug-11	SY-M	F
American Goldfinch	2511-56063	04-Jun-11	SY-F	26-Aug-11	SY-F	F

Table 16. Same Season Recaptures (with weight gain or loss noted), migrants only.
(**Bold Ital**=Neotropical Migrant, **Bold**=Migrant)

Species	Band No.	Age/Sex	Date Banded	Date Recaptured	No. of days	Original Weight	Weight at Recapture (g)	Gain/Loss (g)	Gain/Loss (%)
<i>Ruby-throated Hummingbird</i>	L-66417	HY-M	10-Aug-11	21-Aug-11	11	2.9	2.9	0	0%
<i>Willow Flycatcher</i>	2610-05621	HY-U	21-Aug-11	26-Aug-11 29-Aug-11	5 9	12.7 11.5	11.5 11.4	-1.3	-10.2%
<i>Willow Flycatcher</i>	2610-05623	HY-U	21-Aug-11	26-Aug-11 29-Aug-11	5 8	12.8 11.3	11.3 12.2	-0.8	-6.2%
<i>Traill's Flycatcher</i>	2610-05643	HY-U	29-Aug-11	09-Sep-11	11	11.7	12.7	+1.0	+8.5%
Brown Creeper	2620-66666	HY-U	07-Oct-11	04-Nov-11	28	7.3	8.1	+0.8	+11.0%
<i>Gray-cheeked Thrush</i>	2551-24479	HY-U	24-Sep-11	25-Sep-11	1	30.2	29.3	-0.9	-3.0%
<i>Gray-cheeked Thrush</i>	2551-24482	HY-U	24-Sep-11	29-Sep-11	5	31.0	33.3	+2.3	+7.4%
Hermit Thrush	2551-64725	HY-U	12-Oct-11	17-Oct-11 21-Oct-11	5 9	31.2 31.8	31.8 31.6	+0.4	+1.3%
Hermit Thrush	2551-64789	HY-U	21-Oct-11	24-Oct-11	3	31.1	31.6	+0.5	+1.6%
American Robin	1292-72825	HY-U	15-Aug-11	18-Aug-11	3	63.8	57.3	-6.5	-10.2%
<i>Gray Catbird</i>	2411-55135	HY-U	21-Aug-11	02-Oct-11	42	30.2	35.5	+5.3	+17.5%
<i>Gray Catbird</i>	2411-55146	HY-U	29-Aug-11	29-Sep-11	31	35.9	41.6	+5.7	+15.9%
<i>Tennessee Warbler</i>	2620-66362	HY-U	18-Aug-11	09-Sep-11	22	8.7	8.3	-0.4	-4.6%
<i>Nashville Warbler</i>	2620-66557	HY-F	25-Sep-11	29-Sep-11	4	6.7	8.5	+1.8	+26.9%
<i>Nashville Warbler</i>	2620-66580	AHY-F	25-Sep-11	02-Oct-11	7	8.1	8.3	+0.2	+2.5%
<i>Nashville Warbler</i>	2620-66587	AHY-F	25-Sep-11	07-Oct-11	12	9.0	7.6	-1.4	-15.6%
<i>Nashville Warbler</i>	2620-66588	HY-F	25-Sep-11	29-Sep-11	4	7.9	8.2	+0.3	+3.8%
<i>Nashville Warbler</i>	2620-66615	HY-M	25-Sep-11	29-Sep-11	4	7.4	7.3	-0.1	-1.4%
<i>Magnolia Warbler</i>	2620-66404	HY-U	05-Sep-11	09-Sep-11	4	8.2	8.6	+0.4	+4.9%
<i>Magnolia Warbler</i>	2620-66646	HY-U	29-Sep-11	02-Oct-1	3	9.4	9.6	+0.2	+2.1%
<i>Black-throated Blue Warbler</i>	2620-66463	HY-M	09-Sep-11	10-Sep-11	1	10.1	9.8	-0.3	-3.0%
<i>Black-throated Blue Warbler</i>	2620-66492	HY-F	14-Sep-11	17-Sep-11	3	9.8	9.0	-0.8	-8.2%
<i>Black-throated Blue Warbler</i>	2620-66592	HY-F	25-Sep-11	29-Sep-11	4	9.3	10.4	+1.1	+11.8%
<i>Black-and-white Warbler</i>	2610-05680	HY-F	09-Sep-11	29-Sep-11	2	9.6	10.9	+1.3	+13.5%
<i>Ovenbird</i>	2511-56297	HY-U	10-Sep-11	25-Sep-11	15	21.7	20.4	-1.3	-6.0%
<i>Northern Waterthrush</i>	2511-56129	HY-U	21-Aug-11	26-Aug-11 03-Sep-11	5 13	17.8 16.1	16.1 16.4	-1.4	-7.9%
<i>Common Yellowthroat</i>	2610-05564	HY-U	07-Aug-11	15-Aug-11	8	11.3	10.6	-0.7	-6.2%
<i>Common Yellowthroat</i>	2610-05569	HY-U	10-Aug-11	21-Aug-11 29-Aug-11 03-Sep-11 05-Sep-11	11 19 24 26	11.5 12.5 11.3 11.2	12.5 11.3 11.2 11.3	-0.3	-2.6%
<i>Common Yellowthroat</i>	2610-05570	HY-U	10-Aug-11	15-Aug-11 26-Aug-11 29-Aug-11 25-Sep-11	5 16 19 46	10.4 11.6 11.0 10.7	11.6 11.0 10.7 9.5	-0.9	-8.6%
<i>Common Yellowthroat</i>	2610-05586	HY-U	15-Aug-11	14-Sep-11	30	10.2	9.7	-0.5	-4.9%
<i>Common Yellowthroat</i>	2610-05587	HY-U	15-Aug-11	29-Aug-11	14	10.8	9.9	-0.9	-8.3%
<i>Common Yellowthroat</i>	2610-05588	HY-U	15-Aug-11	03-Sep-11 17-Sep-11	19 33	9.6 9.6	9.6 9.0	-0.6	-6.2%

Table 16. Cont'd. (page 2 of 5)

Species	Band No.	Age/Sex	Date Banded	Date Recaptured	No. of days	Original Weight	Weight at Recapture (g)	Gain/Loss (g)	Gain/Loss (%)
<i>Common Yellowthroat</i>	2610-05618	HY-M	21-Aug-11	09-Sep-11 24-Sep-11	19 34	10.0 10.5	10.5 10.3	+0.3	+3.0%
<i>Common Yellowthroat</i>	2610-05637	AHY-F	26-Aug-11	17-Sep-11	22	11.4	10.2	-1.2	-10.5%
<i>Common Yellowthroat</i>	2610-05639	HY-M	29-Aug-11	03-Sep-11	5	10.4	10.6	+0.2	+1.9%
<i>Common Yellowthroat</i>	2610-05640	AHY-F	29-Aug-11	03-Sep-11	5	9.8	9.6	-0.2	-2.0%
<i>Common Yellowthroat</i>	2610-05645	AHY-F	03-Sep-11	10-Sep-11 17-Sep-11	7 14	10.2 10.4	10.4 9.6	-0.6	-5.9%
<i>Common Yellowthroat</i>	2610-05651	HY-M	05-Sep-11	14-Sep-11	9	9.3	9.5	+0.2	+2.2%
<i>Common Yellowthroat</i>	2610-05711	HY-M	25-Sep-11	29-Sep-11	4	10.0	10.1	+0.1	+1.0%
American Tree Sparrow	2610-05796	HY-U	29-Oct-11	04-Nov-11	6	17.1	17.8	+0.7	+4.1%
Fox Sparrow	2411-55205	HY-U	21-Oct-11	24-Oct-11	3	33.0	32.5	-0.5	-1.5%
Fox Sparrow	2411-55238	HY-U	24-Oct-11	29-Oct-11	5	39.0	38.2	-0.8	-2.0%
Song Sparrow	2551-24367	HY-U	10-Aug-11	24-Sep-11	45	19.4	22.2	+2.8	+14.4%
Song Sparrow	2551-24369	HY-U	10-Aug-11	18-Aug-11 25-Sep-11	8 46	19.7 20.7	20.7 20.4	+0.7	+3.6%
Song Sparrow	2551-34371	HY-U	10-Aug-11	24-Sep-11	45	17.6	18.9	+1.3	+7.4%
Song Sparrow	2551-24373	HY-U	10-Aug-11	26-Aug-11 03-Sep-11	16 24	19.3 19.8	19.8 20.8	+1.5	+7.8%
Song Sparrow	2551-24378	HY-U	10-Aug-11	25-Sep-11	46	18.8	20.1	+1.3	+6.9%
Song Sparrow	2551-24380	HY-U	10-Aug-11	18-Aug-11	8	19.9	19.3	-0.6	-3.0%
Song Sparrow	2551-24381	HY-U	10-Aug-11	21-Aug-11	11	19.0	19.5	+0.5	+2.6%
Song Sparrow	2551-24387	HY-U	15-Aug-11	21-Aug-11	6	17.6	18.4	+0.8	+4.5%
Song Sparrow	2551-24392	HY-U	15-Aug-11	18-Aug-11	3	16.9	17.2	+0.3	+1.8%
Song Sparrow	2551-24395	HY-U	15-Aug-11	18-Aug-11	3	18.3	17.6	-0.7	-3.8%
Song Sparrow	2551-24400	HY-U	15-Aug-11	18-Aug-11	3	20.9	20.4	-0.5	-2.4%
Song Sparrow	2551-24401	HY-U	15-Aug-11	18-Aug-11	3	18.5	18.7	+0.2	+1.1%
Song Sparrow	2551-24406	HY-U	18-Aug-11	21-Aug-11 26-Aug-11 29-Aug-11	3 8 11	18.4 19.4 18.6	19.4 18.6 18.1	-0.3	-1.6%
Song Sparrow	2551-24408	HY-U	18-Aug-11	12-Oct-11	55	18.9	21.6	+2.7	+14.3%
Song Sparrow	2551-24414	HY-U	18-Aug-11	26-Aug-11	8	18.4	17.8	-0.6	-3.3%
Song Sparrow	2551-24423	HY-U	18-Aug-11	12-Oct-11	55	19.4	21.3	+1.9	+9.8%
Song Sparrow	2551-24428	HY-U	21-Aug-11	26-Aug-11	5	19.8	19.8	0	0%
Song Sparrow	2551-24434	HY-U	29-Aug-11	24-Sep-11	26	19.1	22.3	+3.2	+16.8%
Song Sparrow	2551-24435	HY-U	29-Aug-11	17-Oct-11	49	19.2	19.6	+0.4	+2.1%
Song Sparrow	2551-24436	HY-U	29-Aug-11	17-Oct-11	49	18.9	21.2	+2.3	+12.2%
Song Sparrow	2551-24440	HY-U	03-Sep-11	02-Oct-11	29	20.5	20.3	-0.2	-1.0%
Song Sparrow	2551-24461	HY-U	09-Sep-11	14-Sep-11 24-Oct-11	5 45	16.5 16.8	16.8 19.2	+2.7	+16.4%
Song Sparrow	2551-24464	HY-U	14-Sep-11	24-Sep-11 02-Oct-11 12-Oct-11	10 18 28	19.9 21.2 20.7	21.7 20.7 20.4	+0.5	+2.5%
Song Sparrow	2551-24466	HY-U	14-Sep-11	07-Oct-11	23	22.8	21.9	-0.9	-3.9%
Song Sparrow	2551-24467	HY-U	14-Sep-11	24-Sep-11 17-Oct-11	10 33	19.1 21.1	21.1 21.0	+1.9	+9.9%
Song Sparrow	2551-24472	HY-U	14-Sep-11	17-Sep-11	3	19.3	18.8	-0.5	-2.6%
Song Sparrow	2551-24474	HY-U	17-Sep-11	02-Oct-11	15	19.3	20.3	+1.0	+5.2%
Song Sparrow	2551-24480	HY-U	24-Sep-11	29-Sep-11	5	20.3	20.3	0	0%

Table 16. Cont'd. (page 3 of 5)

Species	Band No.	Age/Sex	Date Banded	Date Recaptured	No. of days	Original Weight	Weight at Recapture (g)	Gain/Loss (g)	Gain/Loss (%)
Song Sparrow	2551-24487	HY-U	24-Sep-11	25-Sep-11	1	20.4	18.8	-1.6	-7.8%
Song Sparrow	2551-24488	HY-U	24-Sep-11	07-Sep-11	13	20.4	21.9	+1.5	+7.4%
Song Sparrow	2551-24514	HY-U	29-Sep-11	21-Oct-11	22	21.4	19.6	-1.8	-8.4%
Song Sparrow	2551-24522	HY-U	29-Sep-11	12-Oct-11	13	19.2	20.6	+1.4	+7.3%
Song Sparrow	2551-24588	AHY-U	07-Oct-11	24-Oct-11	17	20.1	20.1	0	0%
Song Sparrow	2551-24591	HY-U	07-Oct-11	12-Oct-11	5	21.8	22.2	+0.4	+1.8%
Song Sparrow	2551-64723	HY-U	12-Oct-11	17-Oct-11	5	21.5	21.6	+0.1	+0.5%
Song Sparrow	2551-64740	HY-U	14-Oct-11	29-Oct-11	15	22.2	20.7	-1.5	-6.8%
Lincoln's Sparrow	2511-56560	HY-U	07-Oct-11	12-Oct-11 14-Oct-11 24-Oct-11	5 7 17	15.3 15.6 15.8	15.6 15.8 18.3	+3.0	+19.6%
Lincoln's Sparrow	2511-56562	HY-U	07-Oct-11	12-Oct-11	5	15.9	17.2	+1.3	+8.2%
Lincoln's Sparrow	2511-56614	HY-U	21-Oct-11	29-Oct-11	8	14.1	13.0	-1.1	-7.8%
Swamp Sparrow	2511-56068	AHY-F	07-Aug-11	10-Aug-11 15-Aug-11	3 8	15.3 15.0	15.0 14.2	-1.1	-7.2%
Swamp Sparrow	2511-56143	HY-U	26-Aug-11	02-Oct-11	37	15.9	17.9	+2.0	+12.6%
Swamp Sparrow	2511-56459	HY-U	25-Sep-11	29-Sep-11	4	15.7	15.8	+0.1	+0.6%
Swamp Sparrow	2511-56561	HY-U	07-Oct-11	21-Oct-11	14	16.0	16.7	+0.7	+4.4%
Swamp Sparrow	2511-56586	HY-U	17-Oct-11	24-Oct-11	7	17.2	15.9	-1.3	-7.6%
Swamp Sparrow	2511-56617	HY-U	21-Oct-11	24-Oct-11	3	17.1	16.4	-0.7	-4.1%
Swamp Sparrow	2511-56625	HY-U	21-Oct-11	24-Oct-11	3	17.8	17.6	-0.2	-1.1%
Swamp Sparrow	2511-56646	HY-U	24-Oct-11	29-Oct-11	5	17.4	17.4	0	0%
White-throated Sparrow	2551-24489	HY-U	24-Sep-11	12-Oct-11	18	26.7	25.8	-0.9	-3.4%
White-throated Sparrow	2551-24568	HY-U	07-Oct-11	12-Oct-11	5	24.6	25.0	+0.4	+1.6%
White-throated Sparrow	2551-24575	HY-U	07-Oct-11	12-Oct-11	5	22.7	22.1	-0.6	-2.6%
White-throated Sparrow	2551-64714	HY-U	12-Oct-11	14-Oct-11	2	23.0	21.4	-1.6	-7.0%
White-throated Sparrow	2551-64754	HY-F	17-Oct-11	24-Oct-11	7	24.1	22.9	-1.2	-5.0%
White-throated Sparrow	2551-64779	HY-F	21-Oct-11	24-Oct-11	3	24.8	23.7	-1.1	-4.4%
White-throated Sparrow	2551-64802	HY-U	21-Oct-11	24-Oct-11	3	25.8	26.1	+0.3	+1.2%
White-throated Sparrow	2551-64810	HY-U	21-Oct-11	24-Oct-11	3	25.8	25.5	-0.3	-1.2%
White-throated Sparrow	2551-64896	HY-U	21-Oct-11	24-Oct-11	3	24.3	23.3	-1.0	-4.1%
White-throated Sparrow	2411-55222	AHY-U	21-Oct-11	24-Oct-11	3	24.0	20.8	-3.2	-13.3%
White-throated Sparrow	2411-55226	AHY-U	21-Oct-11	24-Oct-11	3	25.3	23.6	-1.7	-6.7%
Eastern White-crowned Sparrow	2551-24577	HY-U	07-Oct-11	12-Oct-11	5	26.2	28.7	+2.5	+9.5%
Eastern White-crowned Sparrow	2551-24590	HY-U	07-Oct-11	12-Oct-11 17-Oct-11 24-Oct-11	5 10 17	24.4 25.3 24.1	25.3 24.1 26.1	+1.7	+7.0%
Eastern White-crowned Sparrow	2551-64713	HY-U	12-Oct-11	14-Oct-11 21-Oct-11	2 9	26.0 24.6	24.6 26.4	+0.4	+1.5%
Eastern White-crowned Sparrow	2551-64730	HY-U	12-Oct-11	21-Oct-11	9	33.5	35.0	+1.5	+4.5%
Eastern White-crowned Sparrow	2551-64731	HY-U	12-Oct-11	14-Oct-11 17-Oct-11	2 5	33.8 32.2	32.2 31.6	-2.2	-6.5%
Eastern White-crowned Sparrow	2551-64738	HY-U	14-Oct-11	21-Oct-11	7	28.9	32.0	+3.1	+10.7%

Table 16. Cont'd. (page 4 of 5)

Species	Band No.	Age/Sex	Date Banded	Date Recaptured	No. of days	Original Weight	Weight at Recapture (g)	Gain/ Loss (g)	Gain/ Loss (%)
Eastern White-crowned Sparrow	2551-64742	HY-U	14-Oct-11	17-Oct-11	3	31.7	31.7	0	0%
Eastern White-crowned Sparrow	2551-64746	HY-U	14-Oct-11	17-Oct-11	3	29.8	28.2	-1.6	-5.4%
Eastern White-crowned Sparrow	2551-64847	HY-U	21-Oct-11	24-Oct-11 29-Oct-11	3 8	25.0 26.4	26.4 27.8	+2.8	+11.2%
Eastern White-crowned Sparrow	2551-64851	HY-U	21-Oct-11	29-Oct-11	8	23.7	25.1	+1.4	+5.9%
Eastern White-crowned Sparrow	2551-64875	HY-U	21-Oct-11	24-Oct-11	3	29.0	27.9	-1.1	-3.8%
Gambell's White-crowned Sparrow	2551-64717	HY-U	12-Oct-11	14-Oct-11 21-Oct-11	2 9	26.0 26.8	26.8 26.3	+0.3	+1.2%
Red-winged Blackbird	1292-72821	HY-M	10-Aug-11	18-Aug-11	8	61.9	54.0	-7.9	-12.8%
Red-winged Blackbird	1292-72833	HY-M	18-Aug-11	26-Aug-11	8	52.7	57.5	+4.8	+9.1%
Red-winged Blackbird	1292-72846	HY-M	05-Sep-11	10-Sep-11 17-Oct-11 29-Oct-11	5 42 54	51.3 44.9 63.2	44.9 63.2 60.5	+9.2	+17.9%
Red-winged Blackbird	1292-72857	SY-M	29-Sep-11	14-Oct-11 17-Oct-11	15 18	57.5 60.7	60.7 57.2	-0.3	-0.5%
Red-winged Blackbird	1292-72862	HY-M	02-Oct-11	12-Oct-11 17-Oct-11	10 15	64.5 64.1	64.1 47.1	-17.4	-27.0%
Red-winged Blackbird	2411-55126	HY-F	18-Aug-11	26-Aug-11	8	32.5	38.2	+5.7	+17.5%
Red-winged Blackbird	2411-55130	HY-F	18-Aug-11	21-Aug-11	3	33.8	35.4	+1.6	+4.7%
Red-winged Blackbird	2411-55133	HY-F	18-Aug-11	29-Aug-11 03-Sep-11	11 16	35.4 37.0	37.0 32.3	-3.1	-8.8%
Red-winged Blackbird	2411-55140	AHY-F	26-Aug-11	10-Sep-11	15	42.2	43.4	+1.2	+2.8%
Red-winged Blackbird	2411-55152	HY-F	29-Aug-11	04-Nov-11	67	44.0	46.2	+2.2	+5.0%
Brown-headed Cowbird	2551-24384	HY-F	10-Aug-11	15-Aug-11	5	31.6	29.1	-2.5	-7.9%
Baltimore Oriole	2411-55122	AHY-F	10-Aug-11	15-Aug-11 29-Aug-11	5 19	28.3 29.7	29.7 32.2	+3.9	+13.8%
American Goldfinch	2511-56079	HY-M	10-Aug-11	14-Sep-11	35	12.4	12.6	+0.2	+1.6%
American Goldfinch	2511-56101	HY-F	15-Aug-11	26-Aug-11	11	13.2	13.1	-0.1	-0.8%
American Goldfinch	2511-56103	AHY-F	15-Aug-11	17-Aug-11	63	12.1	12.2	+0.1	+0.8%
American Goldfinch	2511-56106	HY-M	18-Aug-11	09-Sep-11	22	13.9	13.5	-0.4	-2.9%
American Goldfinch	2511-56121	HY-M	18-Aug-11	26-Aug-11	8	14.4	13.1	-1.3	-9.0%
American Goldfinch	2511-56135	HY-M	26-Aug-11	29-Aug-11	3	11.8	11.7	-0.1	-0.8%
American Goldfinch	2511-56136	HY-F	26-Aug-11	29-Aug-11	3	12.1	12.4	+0.3	+2.5%
American Goldfinch	2511-56139	HY-M	26-Aug-11	29-Aug-11	3	11.6	11.7	+0.1	+0.9%
American Goldfinch	2511-56144	HY-F	26-Aug-11	03-Sep-11 09-Sep-11	8 14	12.5 11.7	11.7 11.8	-0.7	-5.6%
American Goldfinch	2511-56146	HY-M	26-Aug-11	05-Sep-11	10	14.3	13.1	-1.2	-8.4%
American Goldfinch	2511-56154	HY-M	26-Aug-11	29-Aug-11	3	12.5	12.8	+0.3	+2.4%
American Goldfinch	2511-56157	HY-F	26-Aug-11	05-Sep-11 17-Sep-11	10 22	12.7 10.9	10.9 10.0	-2.7	-21.2%
American Goldfinch	2511-56170	AHY-F	29-Aug-11	03-Sep-11	5	12.3	11.4	-0.9	-7.3%
American Goldfinch	2511-56182	HY-M	03-Sep-11	14-Sep-11	11	12.9	13.0	+0.1	+0.8%
American Goldfinch	2401-56184	HY-F	03-Sep-11	05-Sep-11	2	12.5	12.2	-0.3	-2.4%

Table 16. Cont'd. (page 5 of 5)

Species	Band No.	Age/Sex	Date Banded	Date Recaptured	No. of days	Original Weight	Weight at Recapture (g)	Gain/Loss (g)	Gain/Loss (%)
American Goldfinch	2511-56188	HY-M	03-Sep-11	05-Sep-11	2	11.7	11.6	-0.1	-0.8%
American Goldfinch	2511-56196	HY-F	03-Sep-11	05-Sep-11	2	12.0	11.3	-0.7	-5.8%
American Goldfinch	2511-56198	AHY-F	05-Sep-11	09-Sep-11	4	12.3	12.2	-0.1	-0.8%
American Goldfinch	2511-56199	HY-F	05-Sep-11	10-Sep-11	5	11.7	11.6	-0.1	-0.8%
American Goldfinch	2511-56211	HY-F	05-Sep-11	10-Sep-11	5	11.1	11.5	+0.4	+3.6%
American Goldfinch	2511-56221	HY-M	05-Sep-11	14-Sep-11	9	10.8	11.1	+0.3	+2.8%
American Goldfinch	2511-56330	HY-F	14-Sep-11	17-Sep-11	3	12.2	9.9	-2.3	-18.8%
American Goldfinch	2511-56342	HY-M	17-Sep-11	02-Oct-11	15	13.2	12.4	-0.8	-6.1%
American Goldfinch	2511-56349	HY-M	17-Sep-11	24-Sep-11	7	11.6	11.2		
				29-Sep-11	12	11.2	11.8	+0.2	+1.7%
American Goldfinch	2511-56364	HY-M	17-Sep-11	29-Sep-11	12	12.1	11.7	-0.4	-3.3%
American Goldfinch	2511-56390	HY-M	24-Sep-11	25-Sep-11	1	10.9	10.6		
				29-Sep-11	5	10.6	11.2		
				02-Oct-11	8	11.2	11.5	+0.6	+5.5%
American Goldfinch	2511-56396	HY-M	24-Sep-11	25-Sep-11	1	12.6	11.8	-0.8	-6.3%
American Goldfinch	2511-56397	HY-M	24-Sep-11	29-Sep-11	5	13.6	14.3	+0.7	+5.1%
American Goldfinch	2511-56401	HY-F	24-Sep-11	25-Sep-11	1	10.9	10.2	-0.7	-6.4%
American Goldfinch	2511-56411	HY-M	24-Sep-11	29-Sep-11	5	13.0	12.2	-0.8	-6.2%
American Goldfinch	2511-56412	HY-F	24-Sep-11	02-Oct-11	8	12.4	11.7	-0.7	-5.6%
American Goldfinch	2511-56432	HY-F	24-Sep-11	29-Sep-11	5	12.5	13.0	+0.5	+4.0%
American Goldfinch	2511-56503	HY-F	25-Sep-11	29-Sep-11	4	12.5	12.1	-0.4	-3.2%
American Goldfinch	2511-56511	HY-F	29-Sep-11	02-Oct-11	3	11.6	12.4		
				21-Oct-11	22	12.4	12.2	+0.6	+5.2%
American Goldfinch	2511-56588	HY-F	17-Oct-11	21-Oct-11	4	11.5	12.2	+0.7	+6.1%
Minimum Stopover (days)					1	-	-	-	-
Maximum Stopover (days)					67	-	-	-	-
Average Stopover (days)					13.4	-	-	-	-
Total birds with weight gains								77	-
Total birds with weight loss								76	-
Average weight gain									+6.7%
Average weight loss									-5.9%

FALL 2011 - PHOTO HIGHLIGHTS



Hatch-year Eastern Screech-Owl banded on 17 October 2011 was the first owl of any species ever banded at the songbird station at Metro Beach.



This Yellow-billed Cuckoo was only the second ever banded at Metro Beach, and on the extraordinarily late date of 24 October.



This female Hairy Woodpecker was originally banded in 2004 as an after-second year, making her now an after 10th year!



A record number of Ruby-throated Hummingbirds was banded this year, including this hatch-year male.



An after hatch-year Olive-sided Flycatcher on 26 August was only the fourth ever at Metro Beach.



Only two Blue-headed Vireos were banded this fall, but are always nice to include in the photo highlights!



Another interesting flycatcher was this hatch-year Eastern Kingbird, which was only the second ever at Metro Beach.



Record numbers of Warbling Vireos were banded this fall, with all captured in the Field Nets; all hatch-year.



Only a few Great Crested Flycatchers have been banded at Metro Beach; this was fourth since 2005.



The six Philadelphia Vireos banded this fall was the most since 8 were banded in fall 1996.



The first Northern Rough-winged Swallow ever banded in fall at Metro Beach was one in 2010; this fall two juveniles were banded on 10 August.



This hatch-year Carolina Wren on 21 October was the first banded at Metro Beach since spring and fall 2008, although 21 were banded from 2005-2008 and 10 from 1989-1999.



Despite being a resident species, few Tufted Titmice are banded back in the banding area at Metro Beach. This hatch-year is strong evidence that the species breeds in the park.



This after hatch-year female Blue-gray Gnatcatcher was showing a brood patch, confirming breeding. It was also only the second in fall since 1990.



Only ten Northern Parulas have been banded at Metro Beach since 2004, most in fall, with only 8 from 1989-1999. This hatch-year female banded on 29 September was the second of two banded this fall.



This fall's second Cape May Warbler was this bright hatch-year male on 5 September.



Cape May Warblers have been scarce since 2005, with only two banded. This hatch-year female on 26 August was one of two this fall. Higher totals have only been recorded in fall 1991 (5) and spring 1993 (6).



Blackburnian Warbler is another infrequently banded species at Metro Beach; this hatch-year female was banded on 17 September.



Fewer Mourning Warblers were banded than in recent years. This hatch-year female was the first of only two, one on 26 August and one on 9 September.



This hatch-year Rose-breasted Grosbeak banded on 9 September is clearly a male based on its rosy wing linings.



This Common Yellowthroat was clearly recently fledged based on the very short tail, as well as the cinnamon wing bars which are molted out within two weeks of fledging.



This hatch-year female Rose-breasted Grosbeak, showing yellow wing linings, was banded on 29 September.



From 2005-2010, only 7 Indigo Buntings have been banded fall at Metro Beach (plus 6 in spring). So five in one day on 25 September, when this hatch-year male (note blue patches) was banded; and six for the season, was notable.



Field Sparrow is another infrequently banded species, so two (both hatch-years) on the same day on 12 October was notable.



This hatch-year female Eastern Towhee banded on 21 October was only the 6th in fall since 2005, and only two were banded from 1989-1999.



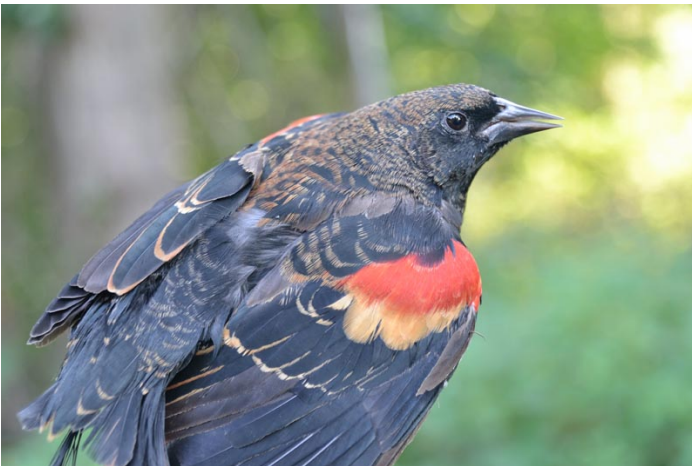
White-crowned Sparrows are banded in small numbers each spring and fall at Metro Beach. But the central arctic subspecies (*gambellii*) is infrequent this far east, and the two banded this fall (this adult and one hatch-year) were the first ever banded at Metro Beach. They can be identified by the lack of black between the eye and bill.



Once again, American Tree Sparrows like this hatch-year banded on 29 October, had a good season partly due to banding being conducted through 4 November, which was a record day with 7 banded.



House Finches like this hatch-year male on 4 November have been banded in only small numbers at Metro Beach each year since 2004, so the 11 this fall was the most since 12 in fall 1993.



Red-winged Blackbirds don't typically linger past August in the marshes adjacent to the banding area, so the number banded well into October this year was amazing. It allowed examination of plumages and molt not often seen at in-hand at this locale, like this after second-year male with almost no tail feathers and heavily fringed upperparts.



More short-tailed hatch-year American Goldfinches, like this female on 10 August, were banded than in recent fall seasons. This suggests a good breeding season, but as they are capable of extended flights at this age this is difficult to confirm. An adult male banded on 10 September was the 15,000th bird banded at Metro Beach since 2004. More than 13,000 birds were banded here by Ellie Cox from 1989-2000, so the 30,000th bird overall will be banded here in 2012.