

**Fall 2012 Bird Banding Summary
Metro Beach Metropark**



Adult male Pine Siskin banded on 25 October 2012

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Permit No. 23156**

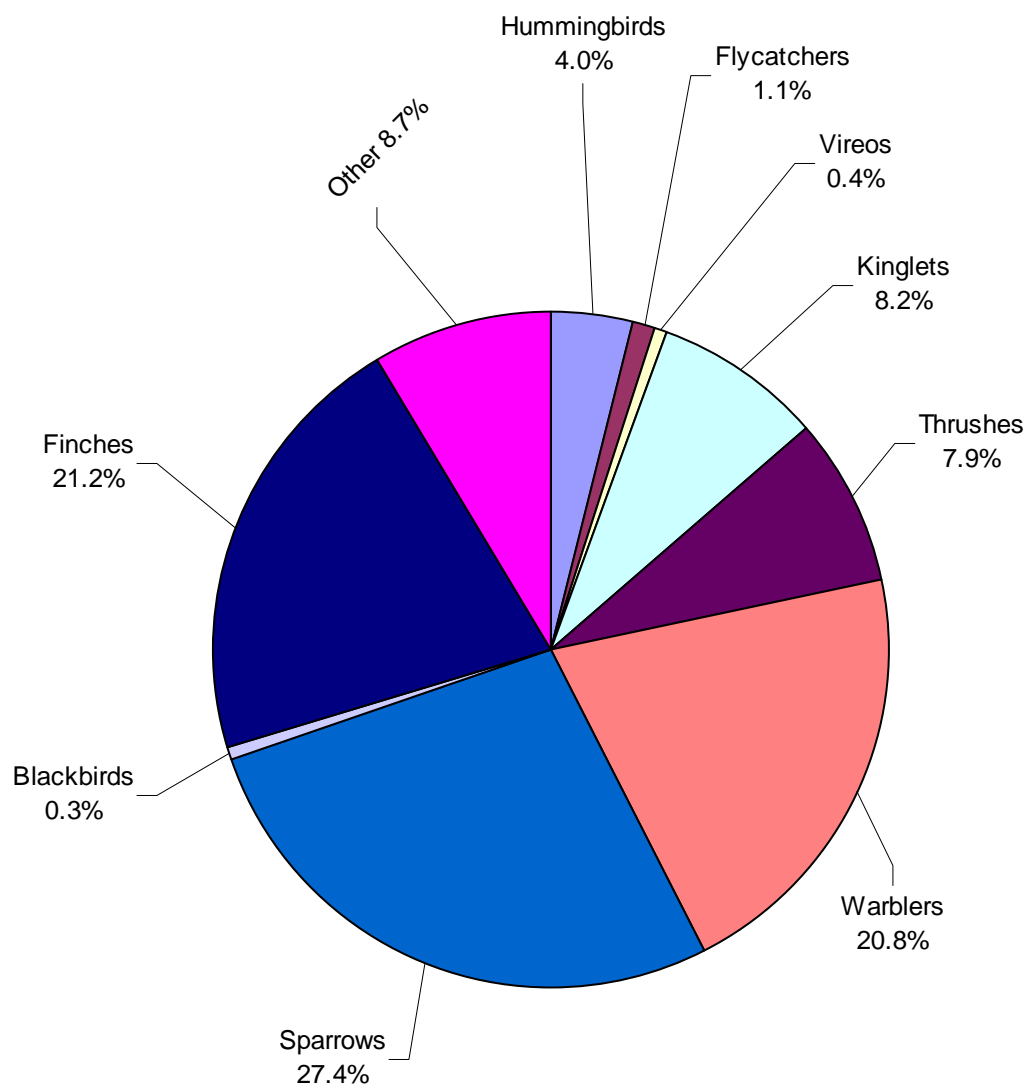
INTRODUCTION

The fall of 2012 was the eighth fall season of a renewed banding study. Drought was prevalent all summer so it was no surprise that the net lanes were completely dry at the beginning of the banding season. Later in September and October, however, some rainstorms allowed some puddles and muddy patches to form but they were temporary and far less than what is present every spring. Temperatures during all three months were near normal. Most vegetation did very well throughout the banding area despite the drought. Jewelweed (*Impatiens capensis*), an important nectar source for migrating hummingbirds, was 5 feet tall around the Willow, Field Edge, and Field Nets in early August and had lots of blooms through mid-September. Notably, Jewelweed first started blooming the last week of June, fully three weeks earlier than normal, which was a continuation of an early blooming pattern for many plants that began with a very mild winter and early spring. As occurred last fall, but unlike fall 2011, vegetation and especially Jewelweed, was not significantly browsed by White-tailed Deer. Vegetation around the Field Nets was about normal, with perhaps some species less in evidence, most notably the small and inconspicuous Marsh Bellflower (*Campanula aparinoides*) seemed absent this fall. *Phragmites* was still present in a few areas near the Field Nets. White-tailed Deer remain a problem in the banding area, with two mist nets destroyed this fall. They remain so accustomed to people that they cannot be scared away.

FALL 2012 RESULTS

Banding was conducted on 26 days between 5 August and 3 November with nets open a total of 161.25 hours (2067.125 net hours). This meets the desired coverage level for comparability between years. This was the highest number of days (by one day) and net hours (slightly higher than 2011) since 2005. Hummingbird feeders and thistle socks were placed in the same locations as the last two years, Field Edge and Field respectively. Early morning audio-luring for Northern Saw-whet Owls was attempted in late October and early November for the fourth fall season, but none were captured. Prime time for capturing these migrant owls tends to be between 10:00 p.m. and 2:00 a.m. The total of 1891 new birds of 76 species was the third highest ever at this locale for both number banded, and number of species. This brings the cumulative total to 19,831 individuals banded, and 114 species. Also there were 215 recaptures and 46 released unbanded, for a total of 2152 captures. The overall capture rate was 104.1 birds per 100 net hours, the second lowest since 2004.

Figure 1. Percentages of various bird families banded during fall 2012.



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.

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	297	53	2465	119.8	79
2012	26	2067.12	1891	215	46	2152	104.1	76

*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 between 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, including 222 on 20 October, the second highest day ever (224 on 21 Oct 2011 is the record).

Ruby-throated Hummingbird numbers were slightly below the recent 7-year average. The record number of Mourning Doves was higher than all previous fall seasons combine. Numbers of all flycatcher species were again low or about average. Vireos were again banded low numbers, as has been the case since 2005 with the single exception of the 2010 season. Both Warbling and Philadelphia Vireo were missed entirely. Record numbers of Black-capped Chickadees were banded, but not what was expected based on regional reports of significant irruptions. For the second year in a row, a record number of Brown Creepers was banded. After banding none in the past three spring seasons and only one in the past three fall seasons, four Carolina Wrens this fall tied the all-time record, though this number has been banded in several other seasons including Fall 1991, Spring 2005, Fall 2005, Fall 2006, and Spring 2008. Winter Wrens were banded in record numbers. A record number of Red-breasted Nuthatches were banded, with none of this very irregularly-occurring species in most years. Kinglets tend to move through the banding area in waves, and this year both species were captured in above average numbers so we must have hit at least a couple of these waves. Thrush numbers were back up to about normal numbers. The notable exception was American Robins which in fall are banded during August, and consist mainly of juveniles. The number banded this fall was the lowest ever. Very few were detected on surveys and it is likely that the drought conditions made it difficult to hunt for worms in the hard-packed soil. The drought may have also affected Gray Catbirds, which were also banded in the lowest numbers since 2005.

Overall warblers were banded in fairly good numbers, though it was a mix of high and low numbers. Chestnut-sided was missed entirely, with none banded, for the first time since 1989, and Yellow, Magnolia, Black-and-white, Wilson's, and Canada Warblers were also banded in significantly lower than average numbers. The three Connecticut Warblers banded was an all-time record. Other warblers banded in good, but not record, numbers included Tennessee, Nashville, Yellow-rumped, Black-throated Green, Palm, Blackpoll, and Mourning Warblers, and Common Yellowthroat. Northern Cardinals returned to good numbers after being down for a couple of years. Sparrows had another good season. The 27 American Tree Sparrows banded on 1 November exceeded the total for all previous years combined, so the 36 for the season was a significant record. Song Sparrows were banded good numbers, while Lincoln's Sparrows were down significantly. Red-winged Blackbird numbers were also down,

with almost no juveniles banded in August as is typical, so as with American Robins, the drought may have affected their productivity, or altered their distribution pattern taking them away from the banding area earlier than normal. Pine Siskins were banded for the first time ever at this station, and were captured in good numbers. American Goldfinch numbers were well above average.

Unusual captures included a Blue-gray Gnatcatcher, only the fourth ever in fall, though this was the third in a row here. A single Marsh Wren was below average. Warblers typically captured in low numbers included single Cape May and Blackburnian. Four Indigo Buntings was a good number for this infrequently captured species. A single Chipping Sparrow was only the second ever here, and the two Field Sparrows tied the all time record for a single season. The male Purple Finch was only the second ever banded here, and as noted above, Pine Siskins were banded at the station for the first time ever this fall. Details for all species captured this fall are shown in Table 6 below.

Interesting early and late records this fall included an extremely early Hermit Thrush on 12 August. It was also unusual in that it was still showing an extensive brood patch suggesting it had departed the breeding grounds (more than 100 miles north of the park) quite recently. The next Hermit Thrush captured was on 21 September, a more normal first arrival date. A Veery on 29 September was fairly late for that species. Late flycatchers included a Yellow-bellied on 29 September and a Willow on 21 September. A House Wren on 20 October was rather late, and a Winter Wren on 15 September was somewhat early. A Palm Warbler on 18 October was late. Very high or record numbers on single days included 2 Mourning Doves on 3 November, 6 Black-capped Chickadees on two dates, 10 Brown Creepers on 20 October, 35 Ruby-crowned Kinglets on 20 October, 5 Palm Warblers on 6 October, 27 American Tree Sparrows on 1 November, 3 Baltimore Orioles on 9 August, 13 Pine Siskins on 25 October, and a record 62 American Goldfinches on 20 October. 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 is shown in Table 2 below. On a per-net basis the Field Nets were clearly the most productive again, though not as much as in recent years. The Upland Nets as a group were more productive this year while the Swamp Nets were less productive.

Captures of Ruby-throated Hummingbird were mostly in the Field and Willow Nets, where there was good growth of Jewelweed this fall. The Field Edge net, where hummingbird feeders are hung to lure them in, ranked third in captures of this species. Thrushes were captured mainly in the Upland Nets, followed by the Swamp Nets. Although they were captured in all nets, more than half of all warblers were captured in the Field Nets, followed by the Upland Nets. As expected, most sparrows were captured in the Field 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)	1024	54.2%	21.7%
Field Edge (1.0 net)	157	8.3%	8.3%
Willow (2.0 nets)	159	8.4%	4.2%
Upland (4.0 nets)	404	21.4%	5.4%
Swamp (4.0 nets)	145	7.7%	1.9%

Table 3. Captures by net group for selected species.

Species	Field	Field Edge	Willow	Upland	Swamp
Ruby-throated Hummingbird (n=76)	36.8%	18.4%	34.2%	7.9%	2.6%
<i>Empidonax</i> Flycatchers (n=18)	72.3%	16.6%	11.1%	-	-
All flycatchers (n=20)	70.0%	15.0%	10.0%	5.0%	-
All vireos (n=8)	12.5%	25.0%	50.0%	12.5%	-
Brown Creeper (n=32)	-	-	-	43.8%	56.2%
Winter Wren (n=24)	4.2%	4.2%	37.5%	25.0%	29.1%
Golden-crowned Kinglet (n=91)	1.1%	-	19.8%	40.6%	38.5%
Ruby-crowned Kinglet (n=65)	16.9%	7.7%	23.1%	46.2%	6.1%
Gray-cheeked Thrush (n=10)	-	-	-	80.0%	20.0%
Swainson's Thrush (n=49)	8.2%	-	4.1 %	75.5%	12.2%
Hermit Thrush (n=80)	7.5%	-	8.8%	47.5%	36.2%
All thrushes (n=151)	6.6%	2.0%	7.3%	57.6%	26.5%
Tennessee Warbler (n=28)	46.4%	3.6%	25.0%	21.4%	3.6%
Nashville Warbler (n=67)	46.3%	14.9%	16.4%	19.4%	3.0%
Magnolia Warbler (n=22)	13.6%	13.6%	4.6%	63.6%	4.6%
Black-throated Blue Warbler (n=34)	-	2.9%	29.4%	29.4%	38.3%
Yellow-rumped Warbler (n=37)	89.2%	-	-	10.8%	-
Blackpoll Warbler (n=35)	57.2%	11.4%	-	28.6%	2.8%
American Redstart (n=18)	33.3%	22.2%	5.6%	33.3%	5.6%
Common Yellowthroat (n=77)	94.8%	1.3%	2.6%	1.3%	-
All warblers (n=393)	52.4%	8.4%	10.2%	20.6%	8.4%
American Tree Sparrow (n=36)	30.5%	66.7%	2.8%	-	-
Song Sparrow (n=215)	84.1%	9.8%	2.8%	2.8%	0.5%
Swamp Sparrow (n=59)	94.9%	1.7%	-	3.4%	-
White-throated Sparrow (n=175)	46.3%	20.6%	7.4%	25.7%	-
White-crowned Sparrow (n=16)	93.8%	-	-	6.2%	-
All sparrows (n=517)	68.7%	16.4%	3.9%	10.8%	0.2%
American Goldfinch (n=375)	87.7%	0.3%	0.3%	11.7%	-

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	7.9%	92.1%	-
Black-capped Chickadee	28.0%	72.0%	-
Brown Creeper	-	93.8%	6.2%
Golden-crowned Kinglet	5.5%	71.4%	23.1%
Ruby-crowned Kinglet	3.1%	83.1%	13.8%
Gray-cheeked Thrush	10.0%	90.0%	-
Swainson's Thrush	18.4%	81.6%	-
Hermit Thrush	7.5%	92.5%	-
Nashville Warbler	7.5%	92.5%	-
Tennessee Warbler	3.6%	96.4%	-
Magnolia Warbler	13.6%	86.4%	-
Yellow-rumped Warbler	27.0%	73.0%	-
Black-throated Blue Warbler	11.8%	88.2%	-
Blackpoll Warbler	5.7%	94.3%	-
American Redstart	5.6%	94.4%	-
Common Yellowthroat	31.2%	68.8%	-
American Tree Sparrow	22.2%	77.8%	-
Swamp Sparrow	20.3%	79.7%	-
Song Sparrow	13.5%	86.5%	-
White-crowned Sparrow	6.2%	93.8%	-
White-throated Sparrow	25.7%	74.3%	-
Pine Siskin	8.3%	91.7%	-
American Goldfinch	6.1%	93.9%	-
ALL SPECIES	13.3%	85.0%	1.7%

BREEDING EVIDENCE

This fall breeding evidence was detected in 38 individuals of 11 species, most of which (13) were adult American Goldfinches. Hatch-year goldfinches were also captured but are not included in Table 8 below because they may not have been hatched locally despite some of them having noticeably short tails. This is a return to the low number of birds showing breeding evidence noted in 2009 and 2010.

Some species, like American Robin, raise two or even three broods each summer. But this year it appeared that the robins only nested once as there were very few juveniles in the banding area during August, and indeed very few anywhere in the park at that time. Details can be found in Table 8 below.

RETURNS, RECAPTURES & FOREIGN RE-ENCOUNTERS

The overall number of recaptures this fall (215) was the third lowest to date. The returns of 32 individuals from previous years and seasons are summarized and compared with previous years in Table 5 below. Details of these returns 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.

- A Red-winged Blackbird (1292-72989) banded as a second-year male on 3 May 2012 at Metro Beach was found dead on an unspecified date in October 2012 at the St. Clair Flats State Wildlife Area, St. Clair County, Michigan. This is about 11 miles ENE of Metro Beach.
- A Song Sparrow (2551-65203) banded as a second-year female (carrying an egg) on 24 May 2012 at Metro Beach was found dead on 28 June 2012 in Harrison Twp., just outside the park.

Table 5. Returns by year.

	Banded in Spring 2012	Banded in 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)
2012 Returns No. (species)	5 (3)	16 (4)	1 (1)	5 (5)	3 (2)	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 132 individuals of 16 species banded this fall were recaptured on subsequent days to document stopover duration and measure weight gains or losses. This is fewer individuals and fewer species than last year. In general, average stopover duration was significantly longer than it was last year.

Weight gains of 92 individuals averaged 7.0% while losses of 47 individuals averaged 4.5%, both rather consistent with the data from the past couple of years. 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 30.3% in 6 days by a Ruby-throated Hummingbird, 18.1% in 17 days by a Hermit Thrush, 17.0% in 14 days by an Ovenbird, 15.6% in 72 days, 27.6% in 69 days, 19.5% in 62 days, 18.9% in 35 days, all by a Song Sparrows, 25.2% in 27 days and 15.3% in 6 days by Swamp Sparrows, and 29.7% in 2 days (!) by an American Goldfinch. This last record may involve a measurement error. Some significant weight losses included 10.4% in 5 days by a Black-throated Blue Warbler, 10.5% in 23 days by a Common Yellowthroat, 16.1% in 14 days by a Song Sparrow, 12.1% in 24 days and 10.8% in 4 days by American Goldfinches.

Stopovers were recorded for 5 species and 16 individuals of Neotropical migrant warbler, Tennessee, Black-throated Blue, American Redstart, Ovenbird, and Common Yellowthroat. Duration of stopovers for these warblers, excluding the 9 Common Yellowthroats (which breeds in the area), ranged from 1 day by a Black-throated Blue Warbler and an American Redstart, to 14 days by an Ovenbird. Six showed weight gains while one showed weight loss. Only 9 Common Yellowthroats were recaptured, of various ages and sexes, which is the second fall in a row with very low numbers of recaptures of this species. Song Sparrows, which also breed locally, provided recapture data for 47 individuals, more than twice as many as year's fall total. Good numbers of White-throated Sparrows banded generated recaptures of only 8 individuals (4.5% of the total banded). Their stopovers ranged from 2-12 days; 3 gained weight and 5 lost weight. Pine Siskins, banded this year for the first time ever, also generated two recaptures but only after one day for each, with one losing 2.9% and one gaining 0.7%. By far the most numerous species recaptured was American Goldfinch, with 41 individuals (10.9% of the total banded), which was about half of last year's total. Stopovers ranged from 2 to 49 days, and averaged 16.5 days. Weight gains were noted in 26 goldfinches (average 6.8%), weight losses in 13 goldfinches (average 4.6%), and 2 remained the same. Table 16 below provides details of weight gains and losses detected during Fall 2012.

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, although the population of deer may be degrading the usefulness of the site for birds.

ACKNOWLEDGMENTS

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Banding this spring simply could not have been done without the able assistance of the following 26 volunteers:

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Table 6. Birds banded at Metro Beach Metropark in Fall 2012, compared with the 1990-1999 average and the 2005-2011 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.	2005-2011 Fall Avg.	Fall 2012 Totals	Returns From 2004-2011
Sharp-shinned Hawk	0.2 (0.02)	0.6 (0.05)	-	-
Broad-winged Hawk	-	0.1 (0.01)	-	-
Virginia Rail	0.1 (0.01)	-	-	-
American Woodcock	-	0.1 (0.01)	-	-
Mourning Dove	0.1 (0.01)	0.1 (0.01)	5¹ (0.24)	-
Black-billed Cuckoo	0.5 (0.04)	-	-	-
Yellow-billed Cuckoo	0.1 (0.01)	0.1 (0.01)	-	-
Eastern Screech-Owl	-	0.1 (0.01)	-	-
Ruby-throated Hummingbird	-	84.4 (6.89)	76 (3.68)	-
Red-bellied Woodpecker	-	0.1 (0.01)	-	-
Yellow-bellied Sapsucker	0.5 (0.04)	0.4 (0.03)	1 (0.05)	-
Downy Woodpecker	4.5 (0.38)	8.0 (0.65)	10 (0.48)	1
Hairy Woodpecker	0.2 (0.02)	0.1 (0.01)	-	-
Northern Flicker	0.7 (0.06)	2.3 (0.19)	2 (0.10)	-
Olive-sided Flycatcher	-	0.3 (0.02)	-	-
Eastern Wood-Pewee	1.5 (0.13)	3.7 (0.30)	1 (0.05)	1
Yellow-bellied Flycatcher	6.9 (0.59)	3.4 (0.28)	2 (0.10)	-
Acadian Flycatcher	0.5 (0.05)	-	-	-
Alder Flycatcher	-	1.3 (0.10)	1 (0.05)	-
Willow Flycatcher	-	3.0 (0.24)	3 (0.15)	-
“Traill’s” Flycatcher	1.1 (0.09)	4.7 (0.38)	7 (0.34)	-
Least Flycatcher	2.6 (0.22)	7.3 (0.59)	5 (0.24)	-
Eastern Phoebe	0.9 (0.08)	2.3 (0.19)	1 (0.05)	-
Great Crested Flycatcher	1.2 (0.10)	0.1 (0.01)	-	-
Eastern Kingbird	-	0.1 (0.01)	-	-
Blue-headed Vireo	2.5 (0.22)	3.7 (0.30)	2 (0.10)	-
Warbling Vireo	3.0 (0.26)	5.0 (0.41)	0	-
Philadelphia Vireo	4.0 (0.34)	1.3 (0.10)	0	-
Red-eyed Vireo	10.2 (0.87)	5.6 (0.45)	6 (0.29)	-
Blue Jay	4.5 (0.39)	5.9 (0.48)	0	-
Northern Rough-winged Swallow	-	0.4 (0.03)	-	-
Barn Swallow	-	0.3 (0.02)	-	-
Black-capped Chickadee	11.4 (0.97)	13.7 (1.12)	25² (1.21)	3
Tufted Titmouse	0.6 (0.05)	1.0 (0.08)	1 (0.05)	-
Red-breasted Nuthatch	0.4 (0.03)	0.9 (0.07)	9¹ (0.44)	-
White-breasted Nuthatch	0.2 (0.02)	1.1 (0.09)	2 (0.10)	-
Brown Creeper	5.4 (0.46)	17.7 (1.45)	32¹ (1.55)	-

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

Species	1990-1999 Fall Avg.	2005-2011 Fall Avg.	Fall 2012 Totals	Returns From 2004-2011
Carolina Wren	0.8 (0.07)	1.6 (0.13)	4² (0.19)	-
House Wren	3.9 (0.33)	17.3 (1.41)	14 (0.68)	-
Winter Wren	6.2 (0.53)	14.0 (1.14)	24¹ (1.16)	-
Marsh Wren	9.5 (0.81)	3.3 (0.27)	1 (0.05)	-
Golden-crowned Kinglet	38.6 (3.29)	59.6 (4.86)	91 (4.40)	-
Ruby-crowned Kinglet	35.6 (3.03)	48.0 (3.92)	65 (3.14)	-
Blue-gray Gnatcatcher	0.1 (0.01)	0.3 (0.02)	1 (0.05)	-
Veery	3.9 (0.33)	2.0 (0.16)	3 (0.15)	-
Gray-cheeked Thrush	11.2 (0.95)	14.3 (1.17)	10 (0.48)	-
Swainson's Thrush	43.9 (3.74)	36.1 (2.95)	49 (2.37)	-
Hermit Thrush	25.7 (2.19)	77.4 (6.32)	80 (3.87)	-
Wood Thrush	1.4 (0.12)	1.3 (0.10)	2 (0.10)	-
American Robin	2.9 (0.25)	29.1 (2.38)	6 (0.29)	-
Gray Catbird	21.6 (1.84)	20.0 (1.63)	4 (0.19)	-
Brown Thrasher	0.1 (0.01)	0.1 (0.01)	1 (0.05)	-
European Starling	-	0.9 (0.07)	-	-
Cedar Waxwing	7.4 (0.63)	8.4 (0.69)	-	-
Blue-winged Warbler	-	0.1 (0.01)	-	-
Golden-winged Warbler	0.4 (0.03)	-	-	-
Tennessee Warbler	4.7 (0.40)	14.9 (1.21)	28 (1.35)	-
Orange-crowned Warbler	1.0 (0.09)	6.1 (0.50)	6 (0.29)	-
Nashville Warbler	8.5 (0.73)	52.6 (4.29)	67 (3.24)	-
Northern Parula	0.5 (0.05)	1.4 (0.12)	2 (0.10)	-
Yellow Warbler	2.4 (0.20)	19.9 (1.62)	2 (0.10)	1
Chestnut-sided Warbler	8.3 (0.70)	9.4 (0.77)	0	-
Magnolia Warbler	78.0 (6.64)	43.0 (3.51)	22 (1.06)	-
Cape May Warbler	0.8 (0.07)	0.7 (0.06)	1 (0.05)	-
Black-throated Blue Warbler	15.5 (1.32)	38.3 (3.12)	34 (1.64)	-
Yellow-rumped Warbler	11.1 (0.94)	15.6 (1.27)	37 (1.79)	-
Black-throated Green Warbler	1.2 (0.10)	1.1 (0.09)	6 (0.29)	-
Blackburnian Warbler	1.0 (0.09)	1.6 (0.13)	1 (0.05)	-
(Western) Palm Warbler	0.5 (0.05)	3.6 (0.29)	9 (0.44)	-
Bay-breasted Warbler	6.1 (0.52)	5.1 (0.42)	7 (0.34)	-
Blackpoll Warbler	11.7 (1.00)	10.6 (0.86)	35 (1.69)	-
Black-and-white Warbler	9.5 (0.81)	5.7 (0.47)	2 (0.10)	-
American Redstart	41.6 (3.54)	17.1 (1.40)	18 (0.87)	-
Prothonotary Warbler	0.1 (0.01)	-	-	-
Ovenbird	7.9 (0.67)	15.3 (1.25)	15 (0.73)	-
Northern Waterthrush	9.4 (0.80)	9.1 (0.75)	8 (0.39)	-

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

Species	1990-1999 Fall Avg.	2005-2011 Fall Avg.	Fall 2012 Totals	Returns From 2004-2011
Connecticut Warbler	0.5 (0.05)	0.6 (0.05)	3¹ (0.15)	-
Mourning Warbler	2.7 (0.23)	5.4 (0.44)	6 (0.29)	-
Common Yellowthroat	16.9 (1.44)	58.4 (4.77)	77 (3.72)	4
Wilson's Warbler	13.7 (1.17)	18.6 (1.51)	6 (0.29)	-
Canada Warbler	5.5 (0.46)	6.7 (0.55)	1 (0.05)	-
Hooded Warbler	-	0.1 (0.01)	-	-
Yellow-breasted Chat	0.1 (0.01)	0.1 (0.01)	-	-
Scarlet Tanager	0.1 (0.01)	-	-	-
Northern Cardinal	6.1 (0.52)	16.3 (1.33)	18 (0.87)	-
Rose-breasted Grosbeak	2.3 (0.19)	1.6 (0.13)	2 (0.10)	-
Indigo Bunting	0.3 (0.02)	1.9 (0.15)	4 (0.19)	-
Eastern Towhee	-	0.9 (0.07)	1 (0.05)	-
American Tree Sparrow	-	4.6 (0.37)	36¹ (1.74)	-
Chipping Sparrow	-	0.1 (0.01)	1 (0.05)	-
Field Sparrow	0.2 (0.02)	0.6 (0.05)	2² (0.10)	-
Fox Sparrow	1.7 (0.15)	9.6 (0.78)	8 (0.39)	-
Song Sparrow	46.7 (3.98)	132.6 (10.81)	215 (10.40)	9
Lincoln's Sparrow	1.5 (0.13)	11.9 (0.97)	5 (0.24)	-
Swamp Sparrow	16.8 (1.43)	71.0 (5.79)	59 (2.85)	-
White-throated Sparrow	56.7 (4.83)	228.0 (18.60)	175 (8.47)	-
White-crowned Sparrow	1.8 (0.15)	15.7 (1.28)	16 (0.77)	-
Dark-eyed Junco	1.1 (0.09)	4.0 (0.33)	3 (0.15)	-
Red-winged Blackbird	1.1 (0.09)	15.6 (1.27)	3 (0.15)	-
Common Grackle	0.2 (0.02)	0.9 (0.07)	-	-
Brown-headed Cowbird	0.1 (0.01)	0.3 (0.02)	-	-
Orchard Oriole	-	0.1 (0.01)	-	-
Baltimore Oriole	-	4.6 (0.37)	3 (0.15)	-
Purple Finch	0.1 (0.01)	0.1 (0.01)	1² (0.05)	-
House Finch	3.7 (0.32)	2.0 (0.16)	-	-
Pine Siskin	-	-	24¹ (1.16)	-
Common Redpoll	0.1 (0.01)	-	-	-
American Goldfinch	3.2 (0.27)	191.4 (15.62)	375 (18.14)	13

Table 7. Birds banded at Metro Beach Metropark in Fall 2012, 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	11-Oct-12	03-Nov-12	2	03-Nov-12
Black-billed Cuckoo	-	-	-	-
Yellow-billed Cuckoo	-	-	-	-
Eastern Screech-Owl	-	-	-	-
Ruby-throated Hummingbird	05-Aug-11	27-Sep-12	18	15-Sep-12
Red-bellied Woodpecker	-	-	-	-
Yellow-bellied Sapsucker	29-Sep-12	29-Sep-12	1	29-Sep-12
Downy Woodpecker	29-Sep-12	03-Nov-12	5	20-Oct-12
Hairy Woodpecker	-	-	-	-
Northern Flicker	27-Sep-12	13-Oct-12	1	Both dates
Olive-sided Flycatcher	-	-	-	-
Eastern Wood-Pewee	09-Aug-12	09-Aug-12	1	09-Aug-12
Yellow-bellied Flycatcher	01-Sep-12	29-Sep-12	1	Both dates
Acadian Flycatcher	-	-	-	-
Alder Flycatcher	19-Aug-12	19-Aug-12	1	19-Aug-12
Willow Flycatcher	09-Aug-12	21-Sep-12	2	09-Aug-12
“Traill’s” Flycatcher	09-Aug-12	09-Sep-12	2	09-Aug-12
Least Flycatcher	09-Aug-12	07-Sep-12	2	07-Sep-12
Eastern Phoebe	27-Sep-12	27-Sep-12	1	27-Sep-12
Great Crested Flycatcher	-	-	-	-
Eastern Kingbird	-	-	-	-
Blue-headed Vireo	18-Oct-12	20-Oct-12	1	Both dates
Warbling Vireo	-	-	-	-
Philadelphia Vireo	-	-	-	-
Red-eyed Vireo	01-Sep-12	06-Oct-12	2	21-Sep-12
Blue Jay	-	-	-	-
Northern Rough-winged Swallow	-	-	-	-
Barn Swallow	-	-	-	-
Black-capped Chickadee	19-Aug-12	03-Nov-12	6	01-Nov-12 03-Nov-12
Tufted Titmouse	27-Sep-12	27-Sep-12	1	27-Sep-12
Red-breasted Nuthatch	28-Aug-12	20-Oct-12	2	3 dates
White-breasted Nuthatch	19-Aug-12	20-Oct-12	1	Both dates
Brown Creeper	29-Sep-12	03-Nov-12	10	20-Oct-12
Carolina Wren	23-Aug-12	20-Oct-12	2	23-Aug-12

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

Species	Earliest Date	Latest Date	Peak No.	Peak Date
House Wren	12-Aug-12	20-Oct-12	4	12-Aug-12 27-Sep-12
Winter Wren	15-Sep-12	01-Nov-12	4	13-Oct-12 20-Oct-12
Marsh Wren	15-Sep-12	15-Sep-12	1	15-Sep-12
Golden-crowned Kinglet	27-Sep-12	03-Nov-12	36	20-Oct-12
Ruby-crowned Kinglet	27-Sep-12	26-Oct-12	35	20-Oct-12
Blue-gray Gnatcatcher	15-Sep-12	15-Sep-12	1	15-Sep-12
Veery	02-Sep-12	29-Sep-12	2	01-Sep-12
Gray-cheeked Thrush	15-Sep-12	04-Oct-12	2	4 dates
Swainson's Thrush	28-Aug-12	06-Oct-12	9	21-Sep-12
Hermit Thrush	12-Aug-12	01-Nov-12	20	06-Oct-12
Wood Thrush	09-Sep-12	21-Sep-12	1	Both dates
American Robin	05-Aug-12	25-Oct-12	3	05-Aug-12
Gray Catbird	23-Aug-12	20-Oct-12	1	4 dates
Brown Thrasher	29-Sep-12	29-Sep-12	1	29-Sep-12
European Starling	-	-	-	-
Cedar Waxwing	-	-	-	-
Blue-winged Warbler	-	-	-	-
Golden-winged Warbler	-	-	-	-
Tennessee Warbler	19-Aug-12	06-Aug-12	8	01-Sep-12
Orange-crowned Warbler	27-Sep-12	20-Oct-12	2	27-Sep-12 20-Oct-12
Nashville Warbler	28-Aug-12	06-Oct-12	15	27-Sep-12
Northern Parula	21-Sep-12	04-Oct-12	1	Both dates
Yellow Warbler	09-Aug-12	09-Aug-12	2	09-Aug-12
Chestnut-sided Warbler	-	-	-	-
Magnolia Warbler	01-Sep-12	06-Oct-12	7	01-Sep-12
Cape May Warbler	06-Sep-12	06-Sep-12	1	06-Sep-12
Black-throated Blue Warbler	28-Aug-12	11-Oct-12	8	06-Oct-12
Yellow-rumped Warbler	22-Sep-12	26-Oct-12	9	06-Oct-12
Black-throated Green Warbler	21-Sep-12	29-Sep-12	3	22-Sep-12
Blackburnian Warbler	09-Aug-12	09-Aug-12	1	09-Aug-12
(Western) Palm Warbler	06-Sep-12	18-Oct-12	5	06-Oct-12
Bay-breasted Warbler	28-Aug-12	06-Oct-12	2	01-Sep-12 06-Oct-12
Blackpoll Warbler	28-Aug-12	11-Oct-12	7	01-Sep-12 09-Sep-12
Black-and-white Warbler	09-Aug-12	21-Sep-12	1	Both dates
American Redstart	23-Aug-12	22-Sep-12	7	09-Sep-12
Prothonotary Warbler	-	-	-	-

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

Species	Earliest Date	Latest Date	Peak No.	Peak Date
Ovenbird	23-Aug-12	29-Sep-12	5	01-Sep-12
Northern Waterthrush	09-Aug-12	21-Sep-12	2	06-Sep-12 07-Sep-12
Connecticut Warbler	06-Sep-12	27-Sep-12	1	3 dates
Mourning Warbler	09-Aug-12	09-Sep-12	2	06-Sep-12
Common Yellowthroat	05-Aug-12	13-Oct-12	11	01-Sep-12
Wilson's Warbler	01-Sep-12	27-Sep-12	2	01-Sep-12 21-Sep-12
Canada Warbler	23-Aug-12	23-Aug-12	1	23-Aug-12
Hooded Warbler	-	-	-	-
Yellow-breasted Chat	-	-	-	-
Scarlet Tanager	-	-	-	-
Northern Cardinal	12-Aug-12	03-Nov-12	4	26-Oct-12
Rose-breasted Grosbeak	28-Aug-12	15-Sep-12	1	Both dates
Indigo Bunting	09-Aug-12	27-Sep-12	2	27-Sep-12
Eastern Towhee	25-Oct-12	25-Oct-12	1	25-Oct-12
American Tree Sparrow	01-Nov-12	03-Nov-12	27	01-Nov-12
Chipping Sparrow	13-Oct-12	13-Oct-12	1	13-Oct-12
Field Sparrow	27-Sep-12	18-Oct-12	1	Both dates
Fox Sparrow	06-Oct-12	03-Nov-12	3	11-Oct-12
Song Sparrow	05-Aug-12	03-Nov-12	24	20-Oct-12
Lincoln's Sparrow	09-Sep-12	25-Oct-12	1	5 dates
Swamp Sparrow	09-Aug-12	03-Nov-12	9	26-Oct-12
White-throated Sparrow	15-Sep-12	03-Nov-12	37	29-Sep-12
White-crowned Sparrow	21-Sep-12	01-Nov-12	3	3 dates
Dark-eyed Junco	27-Sep-12	13-Oct-12	1	3 dates
Red-winged Blackbird	22-Sep-12	29-Sep-12	2	29-Sep-12
Common Grackle	-	-	-	-
Brown-headed Cowbird	-	-	-	-
Orchard Oriole	-	-	-	-
Baltimore Oriole	09-Aug-12	09-Aug-12	3	09-Aug-12
Purple Finch	06-Oct-12	06-Oct-12	1	06-Oct-12
Pine Siskin	25-Oct-12	01-Nov-12	13	25-Oct-12
American Goldfinch	09-Aug-12	03-Nov-12	62	20-Oct-12

Table 8. Breeding Evidence of Birds captured at Metro Beach Metropark in Fall 2012
(BP=Brood Patch, CP=Cloacal Protuberance, 1=min., 3=max., 4=diminishing)

Species	Age/Sex	Band No.	Date Banded	Dates Recaptured	Breeding Evidence Observed
Ruby-throated Hummingbird	AHY-F	J-03088	19-Aug-12	-	BP=4
Eastern Wood-Pewee	AHY-F	2560-75161	23-Aug-09	05-Aug-12	BP=1
Willow Flycatcher	AHY-F	2660-27817	09-Aug-12	-	BP=4
Least Flycatcher	AHY-F	2660-27823	09-Aug-12	-	BP=4
House Wren	AHY-F	2660-27855	23-Aug-12	-	BP=4
Hermit Thrush	SY-F	2551-65233	12-Aug-12	-	BP=4
American Robin	HY-U	1342-38472	05-Aug-12	-	Juv.
American Robin	HY-U	1342-38473	05-Aug-12	-	Juv.
American Robin	HY-U	1342-38474	05-Aug-12	-	Juv.
American Robin	HY-U	1342-38479	12-Aug-12	-	Juv.
Common Yellowthroat	AHY-F	2610-05716	25-Sep-11	09-Aug-12	BP=4
Common Yellowthroat	AHY-F	2660-27813	02-Jun-12	09-Aug-12	BP=4
Common Yellowthroat	HY-U	2660-27815	05-Aug-12	-	Juv.
Common Yellowthroat	HY-U	2660-27816	05-Aug-12	-	Juv.
Common Yellowthroat	HY-U	2660-27821	09-Aug-12	19-Aug-12	Juv.
Common Yellowthroat	HY-U	2660-27822	09-Aug-12	-	Juv.
Common Yellowthroat	HY-U	2660-27830	12-Aug-12	-	Juv.
Common Yellowthroat	HY-U	2660-27832	12-Aug-12	-	Juv.
Common Yellowthroat	HY-U	2660-27834	12-Aug-12	-	Juv.
Common Yellowthroat	HY-U	2660-27835	12-Aug-12	19-Aug-12 23-Aug-12	Juv.
Song Sparrow	AHY-F	2551-24473	17-Sep-11	05-Aug-12	BP=4
Song Sparrow	AHY-F	2551-65235	12-Aug-12	-	BP=4
Song Sparrow	AHY-F	2551-65237	16-Aug-12	-	BP=4
Song Sparrow	HY-U	2551-65217	05-Aug-12	-	Juv.
Swamp Sparrow	HY-U	2521-40133	09-Aug-12	-	Juv.
American Goldfinch	AHY-M	2511-57209	05-Sep-11	19-Aug-12	CP=3
American Goldfinch	AHY-M	2511-56992	05-May-12	16-Aug-12	CP=2
American Goldfinch	AHY-M	2521-40135	12-Aug-12	-	CP=2
American Goldfinch	SY-M	2521-40151	19-Aug-12	-	CP=2
American Goldfinch	SY-M	2521-40156	19-Aug-12	-	CP=3
American Goldfinch	AHY-F	2391-16256	06-Sep-09	16-Aug-12	BP=4
American Goldfinch	AHY-F	2521-40033	06-May-12	12-Aug-12	BP=4
American Goldfinch	AHY-F	2521-40139	12-Aug-12	-	BP=4
American Goldfinch	AHY-F	2521-40141	12-Aug-12	-	BP=4
American Goldfinch	AHY-F	2521-40149	16-Aug-12	-	BP=3
American Goldfinch	AHY-F	2521-40153	19-Aug-12	-	BP=4
American Goldfinch	AHY-F	2521-40166	23-Aug-12	-	BP=4
American Goldfinch	AHY-F	2521-40198	28-Aug-12	-	BP=4

Table 9. Returns from 2006

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc *
Song Sparrow	2551-44405	29-Sep-06	AHY-U	20-Oct-12	A7Y-M	F

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

Table 10. 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	(12-Apr-12) (25-Apr-12) (14-May-12) 03-Nov-12	6Y-F	F FE F F

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

Table 11. Returns from 2008

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc *
Song Sparrow	2281-10727	09-Aug-08	HY-U	25-Aug-12	5Y-U	U
Song Sparrow	2281-10739	13-Aug-08	HY-U	(19-May-12) 29-Sep-12	5Y-M	F F
American Goldfinch	2311-71609	18-Apr-08	SY-M	01-Sep-12	6Y-M	F

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

Table 12. Returns from 2009

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc *
Downy Woodpecker	2431-38019	08-May-09	SY-M	22-Sep-12	5Y-M	W
Eastern Wood-Pewee	2560-75161	23-Aug-09	AHY-F	(26-May-12) 05-Aug-12	A4Y-F	U U
Yellow Warbler	2540-26651	08-May-09	SY-F	(24-May-12) (26-May-12) 09-Aug-12	5Y-F	FE FE F
Song Sparrow	2431-38351	26-Sep-09	HY-U	(12-Apr-12) (12-May-12) 18-Oct-12	4Y-M	FE FE F
American Goldfinch	2391-16256	06-Sep-09	SY-F	16-Aug-12	5Y-F	F

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

Table 13. Returns from 2010

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc *
American Goldfinch	2511-29069	29-Oct-10	HY-F	06-Sep-12	3Y-F	F

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

Table 14. Recaptures from 2011

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc *
Black-capped Chickadee	2610-05649	03-Sep-11	HY-U	(12-Apr-12) 03-Nov-12	2Y-U	SW SW
Common Yellowthroat	2610-05567	10-Aug-11	HY-U	(02-Jun-12) 01-Sep-12	2Y-M	F F
Common Yellowthroat	2610-05618	21-Aug-11	HY-U	(05-May-12) 07-Sep-12	2Y-M	U F
Common Yellowthroat	2610-05716	26-Sep-11	HY-U	09-Aug-12	2Y-F	F
Song Sparrow	2551-24360	10-Aug-11	AHY-F	06-Oct-12	A2Y-F	F
Song Sparrow	2551-24361	10-Aug-11	HY-U	(07-Apr-12) (14-May-12) (19-May-12) (02-Jun-12) 16-Aug-12 25-Oct-12	2Y-M	F FE FE FE FE FE
Song Sparrow	2551-24370	10-Aug-11	AHY-F	26-Oct-12	A2Y-F	F
Song Sparrow	2551-24396	15-Aug-11	HY-U	25-Oct-12	2Y-U	F
Song Sparrow	2551-24473	17-Sep-11	AHY-U	(12-Apr-12) 05-Aug-12	A2Y-F	FE SW
American Goldfinch	2511-29354	09-Apr-11	SY-F	20-Oct-12	3Y-F	F
American Goldfinch	2511-29443	06-May-11	ASY-M	19-Aug-12	A3Y-M	F
American Goldfinch	2511-56030	19-May-11	SY-F	09-Sep-12	3Y-F	F
American Goldfinch	2511-56085	10-Aug-11	AHY-M	20-Oct-12	A2Y-M	U
American Goldfinch	2511-56209	05-Sep-11	HY-M	19-Aug-12	SY-M	F
American Goldfinch	2511-56271	09-Sep-11	AHY-M	19-Aug-12	A2Y-M	F
American Goldfinch	2511-56566	12-Oct-11	HY-M	20-Oct-12	SY-M	U

Table 15. Recaptures from spring 2012

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc *
Black-capped Chickadee	2610-05944	14-May-12	AHY-F	22-Sep-12 06-Oct-12 20-Oct-12 03-Nov-12	AHY-F	U U U U
Common Yellowthroat	2660-27813	02-Jun-12	AHY-F	09-Aug-12	AHY-F	F
American Goldfinch	2511-56992	05-May-12	SY-M	16-Aug-12	SY-M	F
American Goldfinch	2521-40033	06-May-12	SY-F	12-Aug-12	SY-F	F
American Goldfinch	2521-40116	24-May-12	ASY-M	12-Aug-12	ASY-M	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>	J-03141	HY-F	09-Sep-12	22-Sep-12	12	3.4	3.2	-0.2	-5.9%
<i>Ruby-throated Hummingbird</i>	J-03161	HY-M	15-Sep-12	21-Sep-12	6	3.3	4.3	+1.0	+30.3%
<i>Ruby-throated Hummingbird</i>	J-03201	HY-F	21-Sep-12	22-Sep-12	1	3.2	3.3	+0.1	+3.1%
Golden-crowned Kinglet	2670-24527	HY-F	01-Nov-12	03-Nov-12	2	7.5	6.9	-0.6	-8.0%
Ruby-crowned Kinglet	2670-24380	HY-F	06-Oct-12	20-Oct-12 26-Oct-12	14 20	6.9 5.8	5.8 6.7	-0.2	-2.9%
<i>Swainson's Thrush</i>	2551-65342	HY-U	21-Sep-12	27-Sep-12	6	33.2	30.2	-3.0	-9.0%
Hermit Thrush	2551-65380	HY-U	27-Sep-12	29-Sep-12	2	28.9	28.4	-0.5	-1.8%
Hermit Thrush	2551-65394	HY-U	27-Sep-12	29-Sep-12	2	29.1	29.2	+0.1	+0.3%
Hermit Thrush	2571-96067	HY-U	19-Sep-12	06-Oct-12	17	25.9	30.6	+4.7	+18.1%
Hermit Thrush	2571-96096	HY-U	04-Oct-12	06-Oct-12	2	30.1	30.4	+0.3	+1.0%
Hermit Thrush	2571-96108	HY-U	04-Oct-12	06-Oct-12	2	29.1	28.6	-0.5	-1.7%
<i>Tennessee Warbler</i>	2620-66851	HY-F	01-Sep-12	06-Sep-12	5	8.9	9.8	+0.9	+10.1%
<i>Black-throated Blue Warbler</i>	2620-66915	HY-M	21-Sep-12	22-Sep-12	1	10.0	10.1	+0.1	+1.0%
<i>Black-throated Blue Warbler</i>	2620-66956	HY-F	27-Sep-12	29-Sep-12	2	8.7	9.2	+0.5	+5.7%
<i>Black-throated Blue Warbler</i>	2620-66973	HY-F	27-Sep-12	29-Sep-12	2	8.6	8.9	+0.3	+3.5%
<i>Black-throated Blue Warbler</i>	2670-24306	HY-F	29-Sep-12	04-Oct-12	5	9.6	8.6	-1.0	-10.4%
<i>American Redstart</i>	2620-66903	HY-M	21-Sep-12	22-Sep-12	1	8.3	8.3	0	0%
<i>Ovenbird</i>	2521-40441	HY-U	29-Sep-12	13-Oct-12	14	18.8	22.0	+3.2	+17.0%
<i>Common Yellowthroat</i>	2660-27821	HY-U	09-Aug-12	19-Aug-12	10	8.6	9.2	+0.6	+7.0%
<i>Common Yellowthroat</i>	2660-27835	HY-U	12-Aug-12	19-Aug-12 23-Aug-12	7 11	9.9 9.7	9.7 10.0	+0.1	+1.0%
<i>Common Yellowthroat</i>	2660-27846	AHY-M	19-Aug-12	01-Sep-12 09-Sep-12	13 21	11.0 10.3	10.3 10.1	-0.9	-8.1%
<i>Common Yellowthroat</i>	2660-27848	AHY-F	19-Aug-12	23-Aug-12	4	9.7	9.9	+0.2	+2.1%
<i>Common Yellowthroat</i>	2660-27850	HY-U	23-Aug-12	15-Sep-12	23	10.5	9.4	-1.1	-10.5%
<i>Common Yellowthroat</i>	2660-27874	HY-U	01-Sep-12	15-Sep-12	14	9.6	9.6	0	0%
<i>Common Yellowthroat</i>	2660-27889	AHY-M	06-Sep-12	15-Sep-12	9	10.2	11.2	+1.0	+9.8%
<i>Common Yellowthroat</i>	2660-27909	HY-M	09-Sep-12	15-Sep-12	6	10.8	10.5	-0.3	-2.8%
<i>Common Yellowthroat</i>	2660-27949	HY-U	22-Sep-12	27-Sep-12	5	11.0	12.6	+1.6	+14.5%
Fox Sparrow	2411-55376	HY-U	11-Oct-12	26-Oct-12	15	38.4	35.7	-2.7	-7.0%
Song Sparrow	2551-65220	HY-U	09-Aug-12	20-Oct-12	72	19.9	23.0	+3.1	+15.6%
Song Sparrow	2551-65221	HY-U	12-Aug-12	16-Aug-12 19-Aug-12 23-Aug-12	4 7 11	21.0 20.6 21.0	20.6 21.0 21.7	+0.7	+3.3%
Song Sparrow	2551-65224	HY-U	12-Aug-12	29-Sep-12	48	19.3	21.9	+2.6	+13.5%
Song Sparrow	2551-65225	HY-U	12-Aug-12	01-Sep-12 29-Sep-12	20 48	20.1 23.0	20.0 23.0	+2.9	+14.4%
Song Sparrow	2551-65227	HY-U	12-Aug-12	20-Oct-12	69	18.5	23.6	+5.1	+27.6%
Song Sparrow	2551-65228	HY-U	12-Aug-12	23-Aug-12	11	21.2	21.2	0	0%
Song Sparrow	2551-65229	HY-U	12-Aug-12	06-Sep-12	25	19.0	18.2	-0.8	-4.2%

Table 16. Cont'd. (page 2 of 4)

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	2551-65230	HY-U	12-Aug-12	16-Aug-12	4	20.5	20.2	-0.3	-1.5%
Song Sparrow	2551-65231	HY-U	12-Aug-12	27-Sep-12	46	19.9	20.4	+0.5	+2.5%
Song Sparrow	2551-65236	HY-U	16-Aug-12	23-Aug-12	7	19.8	19.5	-0.3	-1.5%
Song Sparrow	2551-65238	HY-U	19-Aug-12	23-Aug-12	4	17.4	18.3		
				28-Aug-12	9	18.3	17.5	+0.1	+0.6%
Song Sparrow	2551-65239	HY-U	19-Aug-12	23-Aug-12	4	19.3	19.8	+0.5	+2.6%
Song Sparrow	2551-65242	HY-U	19-Aug-12	23-Aug-12	4	16.9	17.1		
				20-Oct-12	62	17.1	20.2	+3.3	+19.5%
Song Sparrow	2551-65243	HY-U	19-Aug-12	23-Aug-12	4	18.8	19.5	+0.7	+3.7%
Song Sparrow	2551-65252	HY-U	28-Aug-12	29-Sep-12	32	20.9	22.3	+1.4	+6.7%
Song Sparrow	2551-65257	HY-U	01-Sep-12	09-Sep-12	8	19.2	19.9	+0.7	+3.6%
Song Sparrow	2551-65262	HY-U	01-Sep-12	07-Sep-12	6	18.6	18.4		
				20-Oct-12	49	18.4	18.2		
				01-Nov-12	61	18.2	20.8	+2.2	+11.8%
Song Sparrow	2551-65274	HY-U	01-Sep-12	06-Sep-12	5	21.3	21.0	-0.3	-1.4%
Song Sparrow	2551-65280	HY-U	06-Sep-12	20-Oct-12	44	17.7	18.7		
				26-Oct-12	50	18.7	18.7	+1.0	+5.6%
Song Sparrow	2551-65285	HY-U	07-Sep-12	15-Sep-12	8	16.2	15.7	-0.5	-3.1%
Song Sparrow	2551-65291	HY-U	09-Sep-12	20-Oct-12	41	17.9	19.0	+1.1	+6.1%
Song Sparrow	2551-65292	HY-U	09-Sep-12	20-Oct-12	41	17.8	18.7	+0.9	+5.1%
Song Sparrow	2551-65293	HY-U	09-Sep-12	20-Oct-12	41	17.9	19.7	+1.8	+10.1%
Song Sparrow	2551-65296	HY-U	09-Sep-12	20-Oct-12	41	19.7	22.0	+2.3	+11.7%
Song Sparrow	2551-65300	HY-U	09-Sep-12	04-Oct-12	25	21.9	20.8	-1.1	-5.0%
Song Sparrow	2551-65301	HY-U	09-Sep-12	15-Sep-12	6	17.9	18.1	+0.2	+1.1%
Song Sparrow	2551-65313	AHY-U	15-Sep-12	22-Sep-12	7	21.0	20.3	-0.7	-3.3%
Song Sparrow	2551-65314	HY-U	15-Sep-12	20-Oct-12	35	19.2	20.3	+1.1	+5.7%
Song Sparrow	2551-65319	AHY-U	21-Sep-12	06-Oct-12	15	22.2	21.1	-1.1	-5.0%
Song Sparrow	2551-65323	HY-U	21-Sep-12	06-Oct-12	15	21.7	21.1	-0.6	-2.8%
Song Sparrow	2551-65329	HY-U	21-Sep-12	18-Oct-12	27	18.7	21.2	+2.5	+13.4%
Song Sparrow	2551-65346	HY-U	21-Sep-12	26-Oct-12	35	21.1	24.0		
				01-Nov-12	41	24.0	22.2	+1.1	+5.2%
Song Sparrow	2551-65350	HY-U	21-Sep-12	26-Oct-12	35	18.5	22.0	+3.5	+18.9%
Song Sparrow	2551-65351	HY-U	21-Sep-12	29-Sep-12	8	19.2	20.3	+1.1	+5.7%
Song Sparrow	2551-65352	HY-U	21-Sep-12	11-Oct-12	20	20.6	19.8	-0.8	-3.9%
Song Sparrow	2521-40319	HY-U	22-Sep-12	11-Oct-12	19	19.9	20.4	+0.5	+2.5%
Song Sparrow	2551-65357	HY-U	22-Sep-12	29-Sep-12	7	19.7	18.8	-0.9	-4.6%
Song Sparrow	2551-65375	HY-U	27-Sep-12	29-Sep-12	2	18.3	18.9	+0.6	+3.3%
Song Sparrow	2571-96071	HY-U	29-Sep-12	20-Oct-12	21	22.2	22.4	+0.2	+0.9%
Song Sparrow	2571-96113	HY-U	04-Oct-12	20-Oct-12	16	21.9	21.5	-0.4	-1.8%
Song Sparrow	2571-96119	HY-U	06-Oct-12	20-Oct-12	14	19.3	20.4	+1.1	+5.7%
Song Sparrow	2571-96159	HY-U	06-Oct-12	20-Oct-12	14	19.4	21.2	+1.8	+9.3%
Song Sparrow	2571-96177	HY-U	06-Oct-12	20-Oct-12	14	20.3	20.1	-0.2	-1.0%
Song Sparrow	2571-96256	HY-U	20-Oct-12	01-Nov-12	12	19.8	18.9	-0.9	-4.5%
Song Sparrow	2571-96271	HY-U	20-Oct-12	01-Nov-12	12	19.9	19.1		
				03-Nov-12	14	19.1	19.3	-0.6	-3.0%
Song Sparrow	2571-96285	HY-U	20-Oct-12	03-Nov-12	14	27.3	22.9	-4.4	-16.1%
Song Sparrow	2571-96382	HY-U	01-Nov-12	03-Nov-12	2	21.4	22.2	+0.8	+3.7%

Table 16. Cont'd. (page 3 of 4)

Species	Band No.	Age/Sex	Date Banded	Date Recaptured	No. of days	Original Weight	Weight at Recapture (g)	Gain/Loss (g)	Gain/Loss (%)
Swamp Sparrow	2521-40432	HY-U	29-Sep-12	26-Oct-12	27	15.9	19.9	+4.0	+25.2%
Swamp Sparrow	2521-40461	AHY-U	06-Oct-12	18-Oct-12	12	16.9	18.1	+1.2	+7.1%
Swamp Sparrow	2521-40529	HY-U	20-Oct-12	26-Oct-12	6	15.0	17.3	+2.3	+15.3%
Swamp Sparrow	2521-40531	HY-U	20-Oct-12	25-Oct-12	5	15.9	17.3	+1.4	+8.8%
Swamp Sparrow	2521-40579	HY-U	20-Oct-12	26-Oct-12	6	15.2	17.6	+2.4	+15.8%
Swamp Sparrow	2521-40612	HY-U	26-Oct-12	03-Nov-12	8	15.2	14.6	-0.6	-3.9%
Swamp Sparrow	2521-40613	HY-U	26-Oct-12	01-Nov-12	6	18.8	19.4	+0.6	+3.2%
Swamp Sparrow	2521-40685	HY-U	01-Nov-12	03-Nov-12	2	15.1	16.8	+1.7	+11.2%
White-throated Sparrow	2551-65392	HY-U	27-Sep-12	06-Oct-12	9	25.3	23.9	-1.4	-5.5%
White-throated Sparrow	2571-96052	AHY-U	29-Sep-12	11-Oct-12	12	21.3	20.6	-0.7	-3.3%
White-throated Sparrow	2571-96070	AHY-U	29-Sep-12	06-Oct-12	7	26.1	25.0	-1.1	-4.2%
White-throated Sparrow	2571-96121	HY-U	06-Oct-12	11-Oct-12	5	24.3	25.2	+0.9	+3.7%
White-throated Sparrow	2571-96125	HY-U	06-Oct-12	11-Oct-12	5	25.2	27.3	+2.1	+8.3%
White-throated Sparrow	2571-96246	HY-M	18-Oct-12	20-Oct-12	2	28.7	28.5	-0.2	-0.7%
White-throated Sparrow	2571-96269	HY-F	20-Oct-12	25-Oct-12	5	23.5	22.8	-0.7	-3.0%
White-throated Sparrow	2571-96293	HY-U	20-Oct-12	01-Nov-12	12	26.2	27.6	+1.4	+5.3%
Pine Siskin	2660-28042	HY-U	25-Oct-12	26-Oct-12	1	13.9	13.5	-0.4	-2.9%
Pine Siskin	2660-28055	HY-U	25-Oct-12	26-Oct-12	1	14.5	14.6	+0.1	+0.7%
American Goldfinch	2521-40146	HY-F	16-Aug-12	19-Aug-12	3	12.0	12.3	+0.3	+2.5%
American Goldfinch	2521-40155	HY-M	19-Aug-12	23-Aug-12	4	12.7	13.6	+0.9	+7.1%
American Goldfinch	2521-40159	HY-M	19-Aug-12	23-Aug-12	4	11.2	11.1	-0.1	-0.9%
American Goldfinch	2521-40167	HY-F	23-Aug-12	28-Aug-12	5	11.1	11.7	+0.6	+5.4%
American Goldfinch	2521-40169	HY-M	23-Aug-12	09-Sep-12	17	13.3	12.7	-0.6	-4.5%
American Goldfinch	2521-40199	HY-M	28-Aug-12	21-Sep-12	24	14.9	13.1	-1.8	-12.1%
American Goldfinch	2521-40200	HY-F	28-Aug-12	01-Sep-12	4	12.9	11.5	-1.4	-10.8%
American Goldfinch	2521-40203	HY-M	28-Aug-12	22-Sep-12	25	12.5	12.9	+0.4	+3.2%
American Goldfinch	2521-40205	HY-F	28-Aug-12	01-Sep-12	4	12.4	11.8	-0.6	-4.8%
American Goldfinch	2521-40207	HY-F	28-Aug-12	15-Sep-12	18	12.0	11.7	-0.3	-2.5%
American Goldfinch	2521-40213	HY-F	01-Sep-12	20-Oct-12	49	11.0	12.0	+1.0	+9.1%
American Goldfinch	2521-40218	HY-F	01-Sep-12	21-Sep-12	20	11.8	12.0	-0.2	-1.7%
American Goldfinch	2521-40226	HY-M	06-Sep-12	27-Sep-12	21	12.6	13.7	+1.1	+8.7%
American Goldfinch	2521-40253	HY-F	09-Sep-12	15-Sep-12	6	12.9	13.4	+0.5	+3.9%
American Goldfinch	2521-40260	HY-F	09-Sep-12	29-Sep-12	20	12.2	-		
				26-Oct-12	47	-	13.5	+1.3	+10.6%
American Goldfinch	2521-40277	HY-M	15-Sep-12	27-Sep-12	12	12.5	12.8	+0.3	+2.4%
American Goldfinch	2521-40302	HY-F	21-Sep-12	04-Oct-12	13	12.1	13.0		
				20-Oct-12	29	13.0	12.1	0	0%
American Goldfinch	2521-40303	HY-F	21-Sep-12	20-Oct-12	29	11.4	12.0	+0.6	+5.3%
American Goldfinch	2521-40310	HY-M	21-Sep-12	20-Oct-12	29	12.2	12.5	+0.3	+2.4%
American Goldfinch	2521-40321	HY-F	22-Sep-12	27-Sep-12	5	12.0	12.8	+0.8	+6.7%
American Goldfinch	2521-40324	HY-M	22-Sep-12	20-Oct-12	28	13.5	13.6	+0.1	+0.7%
American Goldfinch	2521-40328	HY-F	22-Sep-12	03-Nov-12	42	11.0	12.4	+1.4	+12.7%
American Goldfinch	2521-40342	HY-F	22-Sep-12	20-Oct-12	28	11.9	12.4	+0.5	+4.2%
American Goldfinch	2521-40362	HY-M	27-Sep-12	29-Sep-12	2	11.8	12.0		
				11-Oct-12	14	12.0	13.2		
				13-Oct-12	16	13.2	12.6	+0.8	+6.8%
American Goldfinch	2521-40381	HY-F	27-Sep-12	06-Oct-12	9	12.0	12.2		
				20-Oct-12	23	12.2	12.5	+0.5	+4.2%

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

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FALL 2012 - PHOTO HIGHLIGHTS



After hatch-year male Mourning Dove

More Mourning Doves were banded this fall than in any other previous season, including this late individual on 1 November 2012.



Hatch-year female Yellow-bellied Sapsucker

Sapsuckers are not captured at this site every year. The brown feathers indicate a hatch-year bird, and the relatively limited red on the crown indicates female.



Hatch-year male Mourning Dove

Hatch-year Mourning Doves are aged by the pale edging on the feathers of the upperparts. By 3 November, when this bird was captured, these can be difficult to see, so their prominence on this individual may suggest a late hatching.



After hatch-year male Red-breasted Nuthatch

It was a good migration for this species this fall, with a record number banded.



Hatch-year Carolina Wren

After not banding any for over two years, an excellent total of four were banded this fall.



Hatch-year Brown Thrasher

Not banded every year, so it is always nice to catch one of these boisterous birds.



After hatch-year Marsh Wren

Unlike most Marsh Wrens captured in fall, and this was the only one this year, this one was a crisply plumaged adult.



After hatch-year male Mourning Warbler

Every fall, a few Mourning Warblers are banded, but nearly all of them are hatch-year birds, not adults like this individual.



Hatch-year female Northern Parula

An infrequently banded warbler, this was one of the two banded this fall.



Hatch-year male Cape May Warbler

Very infrequently banded, this was the only one banded this fall.



Hatch-year male Blackburnian Warbler

Variable numbers are banded each fall, but always low numbers. This individual was the only one this year.



Hatch-year male Black-throated Green Warbler

After a couple years with very low numbers, the three banded this fall was a slight improvement.



Hatch-year female Connecticut Warbler

The three banded this fall was a record, and all of them were hatch-year females.



Hatch-year Field Sparrow

Only a few Field Sparrows have ever been banded here; they don't inhabit marsh and swamp very often.



Hatch-year American Tree Sparrow

A few are captured every fall, but this year's total exceeded all previous years, combined!



After hatch-year Chipping Sparrow

Even less frequently captured than Field Sparrows, this was the first ever adult Chipping Sparrow as well.



Hatch-year "Gambell's" White-crowned Sparrow

Modest numbers of White-crowned Sparrows are banded each fall, but most are of the expected eastern subspecies. Only rarely has the central Canadian subspecies, lacking black in the lores, been captured here.



After second-year male Indigo Bunting

Some fall seasons there are none, others perhaps a couple, but this was the first at this season that was still in full breeding plumage; a pleasant sight on 9 August 2012.



After hatch-year female Pine Siskin

Although a good number were banded this fall, it was a new species for the station as none had been banded here before.



After hatch-year male Purple Finch

This nicely plumaged adult male was only the second ever banded at the station. The first was also an adult male.