

Fall 2008 Banding Summary
Metro Beach Metropark
 Allen Chartier
 Permit No. 23156

INTRODUCTION

The fall of 2008 was the fourth fall season of a renewed banding study, eventually to be compared with the previous study by Ellie Cox, and many volunteers, conducted (in fall) from 1989-1999. For the first time in recent memory, standing water and muddy net lanes remained in some parts of the banding area in early August, after a wet summer. Near drought conditions prevailed during August and all standing water had vanished before the end of the month. But wet periods during September and October resulted in some puddles and muddy patches for the first time ever this late into fall. Vegetation was much taller and denser than last fall, with most of the herbaceous vegetation nearly head high and the Phragmites 8-10 feet tall. Jewelweed did not attain the great height and density of the past two years, being at most waist-high rather than head-high and blooms were neither sparse nor abundant. Temperatures were fairly typical throughout the banding season. Once again, deer were frequently encountered in the banding area, and yet another net was destroyed. Such numbers of deer may be affecting undergrowth and plant species composition, and thus possibly negatively affecting the usefulness of the area to migrant birds.

FALL 2008 RESULTS

Banding was conducted on 22 days between 9 August and 1 November with nets open a total of 158.00 hours (1891.00 net hours). This is two days short of the desired coverage, but was the highest number of net hours since 2005. One day in mid-September was rained out, which most likely affected the number of Ruby-throated Hummingbirds, Swainson's and Gray-cheeked Thrushes, and some warbler species, as it was at a peak migration period for all them.

A record total of 1841 new birds of a record 77 species were banded, plus 341 recaptures and 40 released unbanded, for a total of 2222 captures. The overall capture rate was a record 117.5 birds per 100 net hours. A comparison of all fall banding results since 2005 is shown in Table 1 below.

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

Year	Days	Net Hrs.	No. Banded	No. Recaptures	Released unbanded	Total Captures	Capture Rate*	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

*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 33 such days between 1989-2007, and until this season a maximum of only two such days had occurred in any one season. There were eight days with more than 100 birds this fall: 125 on 27 August, 116 on 28 September, 123 on 2 October, 140 on 4 October, 113 on 9 October, 133 on 1 October, 110 on 16 October, and 148 on 18 October.

Once again, three nets were set in a “U” shape out in the field, though the orientation was rotated 180° so that our approach was into the open end. On many days, especially in August, these were the most productive nets, especially for sparrows, Nashville, Tennessee, Orange-crowned, and Wilson’s Warblers, and American Goldfinches.

Sparrows were captured in extremely good numbers (many records) this fall, with warblers and flycatchers in improved numbers. Once again vireos were nearly non-existent. Thrush numbers, except for Hermit but especially Gray-checked, were well down from last year. Kinglets were in fairly good numbers. Hummingbird numbers were below last year’s record, most likely due to the rain-out during the peak of migration but perhaps also due to the less abundant blooms of Jewelweed.

The American Woodcock, Red-bellied Woodpecker, and American Tree Sparrows were the first ever banded here in the fall season, while the Purple Finch was only the second ever banded here. The Yellow-bellied Sapsucker was the first in many years (and a personal first) and the two Connecticut Warblers was only the second season ever with more than a single banded.

Breaking down the captures by net groups, there were some interesting results. The Field Nets caught 55.4% of all birds (20.1% per net), the Field Edge net caught 7.7%, the Willow Nets caught 14.5% (5.8% per net), the Swamp Nets caught 9.6% (2.7% per net), and the Upland Nets caught 12.8% (3.4% per net). Clearly, the Field Nets were about 5 times as productive as any other group of nets this fall. Captures by net group for selected species is shown in Table 2 below.

Table 2. Percent of captures per net group for selected species.

Species	Field	Field Edge	Willow	Swamp	Upland
Ruby-throated Hummingbird	37.8%	32.4%	24.3%	2.7%	2.7%
Brown Creeper	9.5%	-	4.8%	33.3%	52.4%
Golden-crowned Kinglet	2.2%	2.2%	28.3%	32.6%	34.8%
Ruby-crowned Kinglet	36.6%	9.8%	14.6%	14.6%	24.4%
Swainson’s Thrush	10.3%	10.3%	-	17.2%	62.1%
Hermit Thrush	9.0%	3.4%	16.8%	34.8%	36.0%
Nashville Warbler	63.0%	14.8%	7.4%	7.4%	7.4%
Yellow Warbler	100.0%	-	-	-	-
Magnolia Warbler	26.2%	26.2%	16.7%	19.0%	11.9%
Black-throated Blue Warbler	10.0%	14.0%	14.0%	42.0%	20.0%
American Redstart	50%	6.7%	16.7%	16.7%	10.0%
Common Yellowthroat	62.5%	1.0%	27.1%	1.0%	4.2%
Wilson’s Warbler	66.7%	10.0%	10.0%	13.3%	-
Song Sparrow	79.1%	5.0%	9.5%	7.0%	2.3%
Swamp Sparrow	88.2%	2.8%	6.9%	0.7%	1.4%
White-throated Sparrow	41.2%	10.6%	22.2%	7.0%	19.0%
American Goldfinch	100.0%	-	-	-	-

The proportion of adult to young White-throated Sparrows was higher than normal for the second fall in a row, though lower than last year. Typically, about 5% are adults, but this year it was about 23% (about 40% last fall). There were no particularly unusually early arrivals this fall. Late lingerers included a House Wren on 9 October, a Marsh Wren on 16 October, a Nashville Warbler on 18 October, and a Common Yellowthroat on 16 October. Details for individual species can be found in Tables 3 and 4 below. A number of birds showing breeding evidence (brood patches in females and cloacal protuberances in males) were captured this fall. Details can be found in Table 5 below. In addition, large numbers of young Common Yellowthroats (25), Song Sparrows (84), and Swamp Sparrows (33) were captured indicating a very good breeding season for these species in the marsh.

RECAPTURES

Six birds of three species originally banded in 2005 were recaptured (Table 6). Four birds of four species originally banded in 2006 were recaptured (Table 7). Fourteen birds of seven species originally banded in 2007 were recaptured (Table 8). Twelve birds of six species originally banded in Spring 2008, all locally breeding species, were recaptured in Fall 2008 (Table 9). The Location column (Loc) in each of these tables gives an idea of the movements or territory of these individuals. F=Field, FE=Field Edge, W=Willow, SW=Swamp, U=Upland.

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 193 individuals of 17 species banded this fall were recaptured with documented weight gains or losses. This is more than twice as many same-season recaptures as in any previous year. Weight gains of 121 individuals averaged 8.4% while losses of 72 individuals averaged 6.6%. No kinglets were recaptured again this fall, indicating that these diurnal migrants were not using the banding area to stop over this year. Recaptured thrushes, all Hermit, presented a mixed picture with two gaining weight, two losing weight, and one staying the same during stopovers ranging from 2-5 days. Weight change among recaptured migrant warblers was mixed, but with most losing weight, in a couple cases significantly (up to 20.6% in 3 days in one Black-throated Blue Warbler). White-throated Sparrows presented a mixed picture as well, with about equal numbers gaining and losing weight during stopovers ranging from 2-28 days.

The greatest weight gains in migrants included 23.8% in 16 days by a House Wren, 24.5% in 17 days by a Common Yellowthroat, 26.1% in 26 days by a Common Yellowthroat, 21.2% in 10 days by a Common Yellowthroat, 20.2% in 34 days by an American Goldfinch, and 23.5% in 11 days by an American Goldfinch. Also, one White-throated Sparrow gained an impressive 17.9% (3.7 grams) in only 9 days. Some equally significant weight losses were recorded, which may represent birds that will not complete their migration. Table 10 below provides details of weight gains and losses detected during Fall 2008.

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 increasing population of deer may indeed be degrading the usefulness of the site for birds.

ACKNOWLEDGMENTS

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

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

Barb Adams, Russ Brown, John Bieganowski, Terri Chapdelaine, Chris Goulart, A'Monica Hubbard, Thierry Lach, Dave Lancaster, Harry Lau, Rose Lau, Tessa Lau, Frank Lautner, Lori Leighton, Bonita Olesen, Steve Olesen, Renee Render, Greg Scheffler, Tom Schlack, Michelle Serreyn, Joan Tisdale, and Johanna Wielfaert.

I would like to extend a special thanks to those generous individuals who provided financial assistance this season, allowing me to replace destroyed nets.

Table 3. Birds banded at Metro Beach Metropark in Fall 2008, compared with 2007, and the 1990-1999 average. (**Bold** = first ever banded here, **Bold Italic** = first banded here in fall, ¹ = all time record, ² = record for fall, ³ = tied all time record). **Bold red text** indicates significant declines, or significant missing species from the tally.

Species	1990-1999 avg.	Fall 2007	#/100 NH (2007)	Fall 2008	#/100 NH (2008)
Sharp-shinned Hawk	0.2 (0.02)	-	-	1	0.05
Broad-winged Hawk	-	-	-	-	-
Virginia Rail	0.1 (0.01)	-	-	-	-
<i>American Woodcock</i>	-	-	-	1	0.05
Mourning Dove	0.1 (0.01)	-	-	-	-
Black-billed Cuckoo	0.5 (0.04)	-	-	-	-
Yellow-billed Cuckoo	0.1 (0.01)	-	-	-	-
Ruby-throated Hummingbird	-	94¹	7.03	74	3.91
<i>Red-bellied Woodpecker</i>	-	-	-	1	0.05
Yellow-bellied Sapsucker	0.5 (0.04)	-	-	1	0.05
Downy Woodpecker	4.5 (0.38)	6	0.45	12¹	0.63
Hairy Woodpecker	0.2 (0.02)	-	-	1	0.05
Northern Flicker	0.7 (0.06)	-	-	6¹	0.32
Eastern Wood-Pewee	1.5 (0.13)	1	0.07	1	0.05
Yellow-bellied Flycatcher	6.9 (0.59)	-	-	5	0.26
Acadian Flycatcher	0.5 (0.05)	-	-	-	-
Alder Flycatcher	-	-	-	1	0.05
Willow Flycatcher	-	-	-	3²	0.16
“Traill’s” Flycatcher	1.1 (0.09)	1	0.07	6	0.32
Least Flycatcher	2.6 (0.22)	3	0.22	10	0.53
Eastern Phoebe	0.9 (0.08)	-	-	4	0.21
Great Crested Flycatcher	1.2 (0.10)	-	-	-	-
Blue-headed Vireo	2.5 (0.22)	2	0.15	2	0.11
Warbling Vireo	3.0 (0.26)	2	0.15	1	0.05
Philadelphia Vireo	4.0 (0.34)	-	-	1	0.05
Red-eyed Vireo	10.2 (0.87)	1	0.07	1	0.05
Blue Jay	4.5 (0.39)	4	0.30	3	0.16
Barn Swallow	-	1	0.07	1	0.05
Black-capped Chickadee	11.4 (0.97)	10	0.75	10	0.53
Tufted Titmouse	0.6 (0.05)	-	-	4¹	0.21
Red-breasted Nuthatch	0.4 (0.03)	4¹	0.30	-	-
White-breasted Nuthatch	0.2 (0.02)	2³	0.15	-	-
Brown Creeper	5.4 (0.46)	11	0.82	21¹	1.11
Carolina Wren	0.8 (0.07)	-	-	2	0.11
House Wren	3.9 (0.33)	10	0.75	23¹	1.22
Winter Wren	6.2 (0.53)	9	0.67	22¹	1.16
Marsh Wren	9.5 (0.81)	3	0.22	7	0.37
Golden-crowned Kinglet	38.6 (3.29)	15	1.12	46	2.43
Ruby-crowned Kinglet	35.6 (3.03)	22	1.65	41	2.17

Table 3. Cont'd.

Species	1990-1999 avg.	Fall 2007	#/100 NH (2007)	Fall 2008	#/100 NH (2008)
Blue-gray Gnatcatcher	0.1 (0.01)	-	-	-	-
Veery	3.9 (0.33)	3	0.22	1	0.05
Gray-cheeked Thrush	11.2 (0.95)	10	0.75	2	0.11
Swainson's Thrush	43.9 (3.74)	26	1.94	28	1.48
Hermit Thrush	25.7 (2.19)	23	1.72	89	4.71
Wood Thrush	1.4 (0.12)	-	-	3	0.16
American Robin	2.9 (0.25)	29	2.17	25	1.32
Gray Catbird	21.6 (1.84)	16	1.20	23	1.22
Brown Thrasher	0.1 (0.01)	-	-	1	0.05
European Starling	-	5	0.37	1	0.05
Cedar Waxwing	7.4 (0.63)	3	0.22	6	0.32
Blue-winged Warbler	-	-	-	-	-
Golden-winged Warbler	0.4 (0.03)	-	-	-	-
Tennessee Warbler	4.7 (0.40)	13	0.97	12	0.63
Orange-crowned Warbler	1.0 (0.09)	6	0.45	5	0.26
Nashville Warbler	8.5 (0.73)	20	1.50	27	1.43
Northern Parula	0.5 (0.05)	1	0.07	-	-
Yellow Warbler	2.4 (0.20)	30²	2.24	45²	2.38
Chestnut-sided Warbler	8.3 (0.70)	2	0.15	8	0.42
Magnolia Warbler	78.0 (6.64)	11	0.82	42	2.22
Cape May Warbler	0.8 (0.07)	-	-	-	-
Black-throated Blue Warbler	15.5 (1.32)	31	2.32	50¹	2.64
Yellow-rumped Warbler	11.1 (0.94)	6	0.45	3	0.16
Black-throated Green Warbler	1.2 (0.10)	-	-	-	-
Blackburnian Warbler	1.0 (0.09)	-	-	1	0.05
(Western) Palm Warbler	0.5 (0.05)	1	0.07	3	0.16
Bay-breasted Warbler	6.1 (0.52)	-	-	1	0.05
Blackpoll Warbler	11.7 (1.00)	-	-	2	0.11
Black-and-white Warbler	9.5 (0.81)	3	0.22	4	0.21
American Redstart	41.6 (3.54)	6	0.45	30	1.59
Prothonotary Warbler	0.1 (0.01)	-	-	-	-
Ovenbird	7.9 (0.67)	9	0.67	13	0.69
Northern Waterthrush	9.4 (0.80)	6	0.45	13	0.69
Connecticut Warbler	0.5 (0.05)	1	0.07	2³	0.11
Mourning Warbler	2.7 (0.23)	4	0.30	8	0.42
Common Yellowthroat	16.9 (1.44)	50²	3.74	97¹	5.13
Wilson's Warbler	13.7 (1.17)	18	1.35	30¹	1.59
Canada Warbler	5.5 (0.46)	5	0.37	6	0.32
Hooded Warbler	-	1	0.07	-	-
Yellow-breasted Chat	0.1 (0.01)	-	-	-	-
Scarlet Tanager	0.1 (0.01)	-	-	-	-

Table 3. Cont'd.

Species	1990-1999 avg.	Fall 2007	#/100 NH (2007)	Fall 2008	#/100 NH (2008)
Northern Cardinal	6.1 (0.52)	20	1.50	15	0.79
Rose-breasted Grosbeak	2.3 (0.19)	-	-	1	0.05
Indigo Bunting	0.3 (0.02)	-	-	-	-
Eastern Towhee	-	-	-	1	0.05
<i>American Tree Sparrow</i>	-	-	-	5	0.26
Chipping Sparrow	-	1	0.07	-	-
Field Sparrow	0.2 (0.02)	-	-	1	0.05
Fox Sparrow	1.7 (0.15)	1	0.07	7	0.37
Song Sparrow	46.7 (3.98)	100	7.48	220 ¹	11.63
Lincoln's Sparrow	1.5 (0.13)	7 ²	0.52	11 ²	0.58
Swamp Sparrow	16.8 (1.43)	36	2.69	143 ¹	7.56
White-throated Sparrow	56.7 (4.83)	167	12.49	285 ¹	15.07
White-crowned Sparrow	1.8 (0.15)	15 ²	1.12	5	0.26
Dark-eyed Junco	1.1 (0.09)	-	-	4 ³	0.21
Red-winged Blackbird	1.1 (0.09)	22 ²	1.65	13	0.69
Common Grackle	0.2 (0.02)	3 ²	0.22	-	-
Brown-headed Cowbird	0.1 (0.01)	-	-	1	0.05
Orchard Oriole	-	-	-	-	-
Baltimore Oriole	-	-	-	-	-
Purple Finch	0.1 (0.01)	-	-	1 ³	0.05
House Finch	3.7 (0.32)	1	0.07	2	0.11
Common Redpoll	0.1 (0.01)	-	-	-	-
American Goldfinch	3.2 (0.27)	41 ²	3.07	233 ¹	12.32

Table 4. Birds banded at Metro Beach Metropark in Fall 2008, earliest, latest, and peak numbers. Unusual species, dates, or numbers are boldfaced.

Species	Earliest Date	Latest Date	Peak No.	Peak Date
Sharp-shinned Hawk	11-Oct-08	11-Oct-08	1	11-Oct-08
Broad-winged Hawk	-	-	-	-
Virginia Rail	-	-	-	-
American Woodcock	25-Aug-08	25-Aug-08	1	25-Aug-08
Mourning Dove	-	-	-	-
Black-billed Cuckoo	-	-	-	-
Yellow-billed Cuckoo	-	-	-	-
Ruby-throated Hummingbird	09-Aug-08	26-Sep-08	14	06-Sep-08
Red-bellied Woodpecker	13-Aug-08	13-Aug-08	1	13-Aug-08
Yellow-bellied Sapsucker	02-Oct-08	02-Oct-08	1	02-Oct-08
Downy Woodpecker	13-Aug-08	30-Oct-08	3	02-Oct-08
Hairy Woodpecker	18-Oct-08	18-Oct-08	1	18-Oct-08
Northern Flicker	13-Aug-08	09-Oct-08	3	13-Aug-08
Eastern Wood-Pewee	30-Aug-08	30-Aug-08	1	30-Aug-08
Yellow-bellied Flycatcher	27-Aug-08	03-Sep-08	3	03-Sep-08
Acadian Flycatcher	-	-	-	-
“Traill’s” Flycatcher	13-Aug-08	06-Sep-08	2	14-Aug-08
Alder Flycatcher	03-Sep-08	03-Sep-08	1	03-Sep-08
Willow Flycatcher	27-Aug-08	08-Sep-08	1	3 dates
Least Flycatcher	14-Aug-08	08-Sep-08	6	27-Aug-08
Eastern Phoebe	11-Oct-08	18-Oct-08	3	11-Oct-08
Great Crested Flycatcher	-	-	-	-
Blue-headed Vireo	11-Oct-08	18-Oct-08	1	Both dates
Warbling Vireo	14-Aug-08	14-Aug-08	1	14-Aug-08
Philadelphia Vireo	11-Oct-08	11-Oct-08	1	11-Oct-08
Red-eyed Vireo	06-Sep-08	06-Sep-08	1	06-Sep-08
Blue Jay	04-Oct-08	04-Oct-08	3	04-Oct-08
Barn Swallow	13-Aug-08	13-Aug-08	1	13-Aug-08
Black-capped Chickadee	09-Aug-08	01-Nov-08	2	2 dates
Tufted Titmouse	11-Oct-08	18-Oct-08	3	18-Oct-08
Red-breasted Nuthatch	-	-	-	-
White-breasted Nuthatch	-	-	-	-
Brown Creeper	26-Sep-08	01-Nov-08	6	18-Oct-08
Carolina Wren	18-Sep-08	18-Sep-08	2	18-Sep-08
House Wren	09-Aug-08	09-Oct-08	4	14-Aug-08
Winter Wren	04-Oct-08	01-Nov-08	7	09-Oct-08
Marsh Wren	13-Aug-08	16-Oct-08	2	14-Aug-08
Golden-crowned Kinglet	04-Oct-08	01-Nov-08	18	18-Oct-08
Ruby-crowned Kinglet	18-Sep-08	23-Oct-08	10	16-Oct-08
Blue-gray Gnatcatcher	-	-	-	-

Table 4. Cont'd.

Species	Earliest Date	Latest Date	Peak No.	Peak Date
Veery	06-Sep-08	06-Sep-08	1	06-Sep-08
Gray-cheeked Thrush	18-Sep-08	18-Sep-08	2	18-Sep-08
Swainson's Thrush	06-Sep-08	11-Oct-08	8	18-Sep-08
Hermit Thrush	26-Sep-08	23-Oct-08	25	09-Oct-08
Wood Thrush	20-Sep-08	02-Oct-08	1	3 dates
American Robin	09-Aug-08	01-Nov-08	4	25-Aug-08
Gray Catbird	09-Aug-08	09-Oct-08	4	13-Aug-08
Brown Thrasher	26-Sep-08	26-Sep-08	1	26-Sep-08
European Starling	30-Aug-08	30-Aug-08	1	30-Aug-08
Cedar Waxwing	09-Aug-08	20-Sep-08	2	14-Aug-08
Blue-winged Warbler	-	-	-	-
Golden-winged Warbler	-	-	-	-
Tennessee Warbler	25-Aug-08	08-Sep-08	7	25-Aug-08
Orange-crowned Warbler	04-Oct-08	18-Oct-08	3	18-Oct-08
Nashville Warbler	27-Aug-08	18-Oct-08	10	27-Aug-08
Northern Parula	-	-	-	-
Yellow Warbler	09-Aug-08	25-Aug-08	15	13-Aug-08
Chestnut-sided Warbler	27-Aug-08	26-Sep-08	5	27-Aug-08
Magnolia Warbler	25-Aug-08	18-Sep-08	17	08-Sep-08
Cape May Warbler	-	-	-	-
Black-throated Blue Warbler	27-Aug-08	16-Oct-08	20	27-Aug-08
Yellow-rumped Warbler	18-Sep-08	02-Oct-08	2	02-Oct-08
Black-throated Green Warbler	-	-	-	-
Blackburnian Warbler	27-Aug-08	27-Aug-08	1	27-Aug-08
(Western) Palm Warbler	18-Sep-08	02-Oct-08	2	02-Oct-08
Bay-breasted Warbler	08-Sep-08	08-Sep-08	1	08-Sep-08
Blackpoll Warbler	18-Sep-08	20-Sep-08	1	Both dates
Black-and-white Warbler	27-Aug-08	30-Aug-08	2	Both dates
American Redstart	25-Aug-08	08-Sep-08	12	27-Aug-08
Prothonotary Warbler	-	-	-	-
Ovenbird	27-Aug-08	28-Sep-08	4	30-Aug-08
Northern Waterthrush	27-Aug-08	06-Sep-08	5	30-Aug-08
Connecticut Warbler	03-Sep-08	08-Sep-08	1	Both dates
Mourning Warbler	27-Aug-08	08-Sep-08	3	27-Aug-08 06-Sep-08
Common Yellowthroat	09-Aug-08	16-Oct-08	13	30-Aug-08
Wilson's Warbler	27-Aug-08	18-Sep-08	16	27-Aug-08
Canada Warbler	25-Aug-08	27-Aug-08	5	27-Aug-08
Hooded Warbler	-	-	-	-
Yellow-breasted Chat	-	-	-	-

Table 4. Cont'd.

Species	Earliest Date	Latest Date	Peak No.	Peak Date
Scarlet Tanager	-	-	-	-
Northern Cardinal	09-Aug-08	30-Oct-08	3	13-Aug-08
Rose-breasted Grosbeak	08-Sep-08	08-Sep-09	1	08-Sep-08
Indigo Bunting	-	-	-	-
Eastern Towhee	23-Oct-08	23-Oct-08	1	23-Oct-08
American Tree Sparrow	01-Nov-08	01-Nov-08	5	01-Nov-08
Chipping Sparrow	-	-	-	-
Field Sparrow	11-Oct-08	11-Oct-08	1	11-Oct-08
Fox Sparrow	16-Oct-08	01-Nov-08	2	30-Oct-08 01-Nov-08
Song Sparrow	09-Aug-08	01-Nov-08	26	18-Oct-08
Lincoln's Sparrow	18-Sep-08	16-Oct-08	3	18-Sep-08 28-Sep-08
Swamp Sparrow	09-Aug-08	01-Nov-08	17	02-Oct-08
White-throated Sparrow	18-Sep-08	01-Nov-08	68	04-Oct-08
White-crowned Sparrow	09-Oct-08	01-Nov-08	3	11-Oct-08
Dark-eyed Junco	02-Oct-08	01-Nov-08	2	01-Nov-08
Red-winged Blackbird	08-Sep-08	28-Sep-08	7	08-Sep-08
Common Grackle	-	-	-	-
Brown-headed Cowbird	09-Aug-08	09-Aug-08	1	09-Aug-08
Orchard Oriole	-	-	-	-
Baltimore Oriole	-	-	-	-
Purple Finch	23-Oct-08	23-Oct-08	1	23-Oct-08
House Finch	18-Sep-08	18-Sep-08	2	18-Sep-08
Common Redpoll	-	-	-	-
American Goldfinch	09-Aug-08	01-Nov-08	55	28-Sep-08

Table 5. Breeding Evidence of Birds captured at Metro Beach Metropark in Fall 2008
(BP=Brood Patch, CP=Cloacal Protuberance, 1=min., 3=max., 4=diminishing)

Species	Age/Sex	Band No.	Date Banded	Dates Recaptured	Breeding Evidence Observed
Carolina Wren	AHY-F	2281-10615	18-Apr-08	13-Aug-08 14-Aug-08 25-Aug-08 01-Nov-08	BP=3 BP=3 BP=4 -
House Wren	AHY-F	2500-25680	14-Aug-08	25-Aug-08	BP=4
Common Yellowthroat	AHY-M	2360-85739	31-Aug-07	09-Aug-08	CP=2
Song Sparrow	AHY-F	2281-10017	31-Mar-07	14-Aug-08	BP=3
Song Sparrow	AHY-F	2281-10214	16-Aug-07	14-Aug-08	BP=4
Song Sparrow	AHY-M	2281-10708	30-May-08	13-Aug-08 23-Oct-08	CP=2 -
Song Sparrow	AHY-M	2281-10715	09-Aug-08	-	CP=3
Song Sparrow	AHY-M	2281-10730	09-Aug-08	-	CP=3
Song Sparrow	AHY-M	2281-10740	13-Aug-08	-	CP=3
Song Sparrow	AHY-F	2281-10749	13-Aug-08	-	BP=4
Song Sparrow	AHY-F	2281-10757	14-Aug-08	-	BP=4
Song Sparrow	AHY-F	2281-10870	27-Aug-08	-	BP=4

Table 6. Returns from 2005

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	No. of Days	Loc *
Black-capped Chickadee	2360-85099	13-Aug-05	AHY-U	02-Oct-08 23-Oct-08 01-Nov-08	A4Y-U	1176	U U F
Black-capped Chickadee	2360-85139	21-Aug-05	HY-U	(06-Apr-08) (05-Jun-08) 18-Oct-08	4Y-U	1154	U SW F
Black-capped Chickadee	2360-85187	04-Oct-05	HY-U	(12-May-08) 08-Sep-08 16-Oct-08	4Y-U	1108	U U U
Gray Catbird	8101-31411	14-May-05	AHY-M	13-Aug-08	A4Y-M	1187	U
Northern Cardinal	8101-31466	20-Aug-05	HY-M	27-Aug-08	4Y-M	1103	W
Northern Cardinal	8101-31485	03-Sep-05	AHY-M	18-Sep-08	A4Y-M	1111	U

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

Table 7. Returns from 2006

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	No. of Days	Loc *
Black-capped Chickadee	2360-85503	26-Sep-06	HY-U	(16-Apr-08) 01-Nov-08	3Y-U	767	U U
Carolina Wren	2251-03130	22-May-06	AHY-U	30-Oct-08	A3Y-U	892	F
Common Yellowthroat	2360-85343	23-May-06	ASY-F	06-Sep-08	A4Y-F	837	F
Song Sparrow	2251-44310	01-Sep-06	HY-U	(05-Jun-08) 09-Aug-08	3Y-M	708	SW SW

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

Table 8. Returns from 2007

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	No. of Days	Loc *
Downy Woodpecker	2281-10206	29-Jul-07	HY-U	(18-Apr-08) 16-Oct-08	2Y-F	445	SW SW
Black-capped Chickadee	2360-85770	09-Sep-07	HY-U	(05-Apr-08) (06-Apr-08) (30-Apr-08) (31-May-08) 09-Oct-08 30-Oct-08	2Y-F	417	SW F SW SW W F
Yellow Warbler	2360-85549	05-May-07	SY-M	13-Aug-08	3Y-M	466	F
Yellow Warbler	2360-85688	29-Jul-07	AHY-F	14-Aug-08	A2Y-F	382	F
Common Yellowthroat	2360-85620	13-May-07	SY-M	(09-May-08) (12-May-08) (19-May-08) 28-Sep-08	3Y-M	504	F W FE W
Common Yellowthroat	2360-85739	31-Aug-07	AHY-M	09-Aug-08	A2Y-M	344	F
Common Yellowthroat	2360-85743	31-Aug-07	AHY-M	(19-May-08) 13-Aug-08 18-Sep-08 20-Sep-08	A2Y-M	386	W F F F
Song Sparrow	2281-10015	31-Mar-07	SY-M	(30-Apr-08) (31-May-08) 09-Aug-08	3Y-M	497	F F W
Song Sparrow	2281-10017	31-Mar-07	AHY-U	14-Aug-08	A2Y-F	502	F
Song Sparrow	2281-10213	16-Aug-07	HY-U	(18-Apr-08) (20-Apr-08) (31-May-08) 09-Aug-08 20-Sep-08	2Y-M	401	FE SW W SW F
Song Sparrow	2281-10214	16-Aug-07	HY-U	14-Aug-08	2Y-F	364	SW
Song Sparrow	2281-10323	24-Sep-07	AHY-U	(06-Apr-08) (20-Apr-08) (24-Apr-08) (05-May-08) 02-Oct-08	A2Y-M	374	SW SW SW SW W
Swamp Sparrow	2311-28833	13-May-07	ASY-M	26-Sep-08	A3Y-M	502	F
American Goldfinch	2311-28808	11-May-07	ASY-M	(20-Apr-08) 01-Nov-08	A3Y-M	540	F F

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

Table 9. Returns from Spring 2008

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	No. of Days	Loc *
Black-capped Chickadee	2360-85838	06-Apr-08	AHY-U	(12-Apr-08) 02-Oct-08	AHY-U	179	U U
Black-capped Chickadee	2360-85841	12-Apr-08	AHY-U	08-Sep-08 30-Oct-08	AHY-U	201	FE U
Carolina Wren	2281-10601	06-Apr-08	AHY-U	18-Sep-08	AHY-U	165	U
Carolina Wren	2281-10615	18-Apr-08	AHY-F	13-Aug-08 14-Aug-08 25-Aug-08 01-Nov-08	AHY-F	197	SW W U F
Yellow Warbler	2360-85889	12-May-08	SY-M	13-Aug-08	2Y-M	93	F
Yellow Warbler	2360-85928	19-May-08	SY-F	30-Aug-08 06-Sep-08	2Y-F	110	F F
Yellow Warbler	2360-85947	19-May-08	SY-F	13-Aug-08	2Y-F	86	F
Common Yellowthroat	2360-85986	30-May-08	AHY-M	(31-May-08) 14-Aug-08	AHY-M	76	F F
Common Yellowthroat	2360-85983	30-May-08	SY-M	(31-May-08) 13-Aug-08	2Y-M	75	F F
Song Sparrow	2281-10708	30-May-08	ASY-M	13-Aug-08 23-Oct-08	A2Y-M	146	U F
Song Sparrow	2281-10711	05-Jun-08	AHY-F	13-Aug-08 25-Aug-08	AHY-F	69	W W
Swamp Sparrow	2311-71619	24-Apr-08	SY-M	(19-May-08) 06-Sep-08	2Y-M	135	FE U

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

Table 10. Same Season Recaptures (with weight gain or loss noted)
(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 (%)
Brown Creeper	2520-14855	HY-U	26-Sep-08	04-Oct-08 16-Oct-08 23-Oct-08	8 20 27	8.6 8.6 8.2	8.6 8.2 7.8	-0.8	-9.3%
<i>House Wren</i>	2311-71711	HY-U	13-Aug-08	03-Sep-08 06-Sep-08 30-Sep-08	21 24 38	10.2 9.7 10.4	9.7 10.4 10.7	+0.5	+4.9%
<i>House Wren</i>	2500-25680	AHY-F	14-Aug-08	25-Aug-08	11	9.9	8.6	-1.3	-13.1%
<i>House Wren</i>	2500-25664	AHY-U	14-Aug-08	25-Aug-08	11	9.7	9.3	-0.4	-4.1%
<i>House Wren</i>	2311-71720	HY-U	14-Aug-08	30-Aug-08 06-Sep-08 20-Sep-08	16 23 37	10.5 10.4 10.2	10.4 10.2 10.9	+0.4	+3.8%
<i>House Wren</i>	2311-71725	HY-U	14-Aug-08	30-Aug-08	16	8.4	10.4	+2.0	+23.8%
<i>House Wren</i>	2500-25690	HY-U	25-Aug-08	27-Aug-08	2	9.4	10.3	+0.9	+9.6%
<i>House Wren</i>	2500-24696	HY-U	25-Aug-08	30-Aug-08 06-Sep-08	5 12	9.0 11.0	11.0 10.5	+1.5	+16.7%
<i>House Wren</i>	2500-25730	HY-U	30-Aug-08	06-Sep-08	7	9.7	11.0	+1.3	+13.4%
<i>House Wren</i>	2500-25777	HY-U	08-Sep-08	18-Sep-08	10	11.8	11.5	-0.3	-2.5%
<i>House Wren</i>	2540-26502	AHY-U	20-Sep-08	26-Sep-08	6	11.6	11.3	-0.3	-2.6%
<i>House Wren</i>	2540-26503	HY-U	20-Sep-08	04-Oct-08 09-Oct-08	14	12.0 11.9	11.9 12.1	+0.1	+0.8%
Hermit Thrush	2281-10926	HY-U	02-Oct-08	04-Oct-08	2	26.1	26.1	0.0	0%
Hermit Thrush	2291-90710	HY-U	04-Oct-08	09-Oct-08	5	27.4	26.7	-0.7	-2.6%
Hermit Thrush	2291-90813	HY-U	11-Oct-08	16-Oct-08	5	28.9	22.6	-6.3	-21.8%
Hermit Thrush	2291-90890	HY-U	11-Oct-08	16-Oct-08	5	28.2	29.4	+1.2	+4.2%
Hermit Thrush	2291-90994	HY-U	18-Oct-08	23-Oct-08	5	27.7	29.4	+1.7	+6.1%
<i>Gray Catbird</i>	1991-96143	HY-U	13-Aug-08	14-Aug-08	1	36.2	31.8	-4.4	-12.2%
<i>Nashville Warbler</i>	2520-14743	HY-F	27-Aug-08	30-Aug-08	3	6.6	7.6	+1.0	+15.2%
<i>Black-throated Blue Warbler</i>	2520-14758	HY-F	27-Aug-08	30-Aug-08	3	10.2	8.1	-2.1	-20.6%
<i>American Redstart</i>	2520-14676	AHY-F	25-Aug-08	27-Aug-08	2	6.6	5.9	-0.7	-10.6%
<i>Ovenbird</i>	2311-71734	HY-U	27-Aug-08	30-Aug-08	3	19.3	19.3	0.0	0%
<i>Northern Waterthrush</i>	2311-71743	HY-U	30-Aug-08	03-Sep-08 06-Sep-08	4 7	17.8 18.2	18.2 18.5	+0.7	+3.9%
<i>Northern Waterthrush</i>	2311-71750	HY-U	03-Sep-08	06-Sep-08	3	21.0	21.2	+0.2	+0.9%
<i>Common Yellowthroat</i>	2500-25611	HY-U	09-Aug-08	03-Sep-08	25	9.6	10.3	+0.7	+7.3%
<i>Common Yellowthroat</i>	2500-25615	AHY-F	09-Aug-08	25-Aug-08	16	9.4	9.3	-0.1	-1.1%
<i>Common Yellowthroat</i>	2500-25617	HY-U	09-Aug-08	18-Sep-08	40	8.8	10.1	+1.3	+14.8%
<i>Common Yellowthroat</i>	2500-25626	HY-M	09-Aug-08	30-Aug-08	21	10.8	11.2	+0.4	+3.7%
<i>Common Yellowthroat</i>	2500-25627	HY-U	09-Aug-08	14-Aug-08	5	9.8	10.7	+0.9	+9.2%
<i>Common Yellowthroat</i>	2500-25632	HY-U	13-Aug-08	25-Aug-08 06-Sep-08	12 24	10.1 9.9	9.9 9.7	-0.4	-4.0%
<i>Common Yellowthroat</i>	2500-25633	HY-U	13-Aug-08	30-Aug-08	17	9.3	10.4	+1.1	+11.8%
<i>Common Yellowthroat</i>	2500-25634	HY-U	13-Aug-08	25-Aug-08 30-Aug-08	12 17	10.2 11.4	11.4 12.7	+2.5	+24.5%
<i>Common Yellowthroat</i>	2500-25638	HY-U	13-Aug-08	14-Aug-08 06-Sep-08	1 24	11.1 12.2	12.2 11.3	+0.2	+1.8%
<i>Common Yellowthroat</i>	2500-25643	HY-M	13-Aug-08	30-Aug-08 03-Sep-08	17 21	11.9 10.8	10.8 10.9	-1.0	-8.4%

Table 10. Cont'd.

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>	2500-25662	HY-M	14-Aug-08	03-Sep-08	20	10.3	9.8	-0.5	-4.8%
<i>Common Yellowthroat</i>	2500-25663	AHY-F	14-Aug-08	30-Aug-08	16	10.0	9.2	-0.8	-8.0%
<i>Common Yellowthroat</i>	2500-25676	HY-U	14-Aug-08	25-Aug-08 08-Sep-08 18-Sep-08	11 25 35	9.5 10.3 10.4	10.3 10.4 9.9	+0.4	+4.2%
<i>Common Yellowthroat</i>	2500-25691	HY-U	25-Aug-08	27-Aug-08	2	9.6	8.4	-1.2	-12.5%
<i>Common Yellowthroat</i>	2500-25699	HY-U	25-Aug-08	06-Sep-08	12	9.7	10.0	+0.3	+3.1%
<i>Common Yellowthroat</i>	2500-25700	HY-M	25-Aug-08	30-Aug-08 20-Sep-08	5 26	8.8 11.0	11.0 11.1	+2.3	+26.1%
<i>Common Yellowthroat</i>	2500-25735	HY-U	30-Aug-08	03-Sep-08	4	9.4	8.0	-1.4	-14.9%
<i>Common Yellowthroat</i>	2500-25739	HY-M	30-Aug-08	06-Sep-08	7	9.5	10.2	+0.7	+7.4%
<i>Common Yellowthroat</i>	2500-25741	HY-M	30-Aug-08	18-Sep-08	19	10.6	10.4	-0.2	-1.9%
<i>Common Yellowthroat</i>	2500-25743	HY-M	30-Aug-08	03-Sep-08 06-Sep-08	4 7	9.2 8.5	8.5 9.0	-0.2	-2.2%
<i>Common Yellowthroat</i>	2500-25747	HY-U	03-Sep-08	08-Sep-08	5	8.8	9.4	+0.6	+6.8%
<i>Common Yellowthroat</i>	2500-25772	HY-U	06-Sep-08	18-Sep-08 28-Sep-08	12 22	10.0 10.3	9.9 10.3	+0.3	+3.0%
<i>Common Yellowthroat</i>	2500-26788	HY-U	18-Sep-08	28-Sep-08	10	8.5	10.3	+1.8	+21.2%
<i>Common Yellowthroat</i>	2540-26506	HY-M	26-Sep-08	02-Oct-08	6	10.5	11.7	+1.2	+11.4%
<i>Common Yellowthroat</i>	2500-26510	HY-M	26-Sep-08	28-Sep-08	2	11.4	9.7	-1.7	-14.9%
<i>Mourning Warbler</i>	2500-25710	AHY-M	27-Aug-08	06-Sep-08	10	12.0	13.6	+1.6	+13.3%
<i>Mourning Warbler</i>	2500-25715	HY-U	27-Aug-08	30-Aug-08	3	11.9	13.4	+1.5	+12.6%
<i>Mourning Warbler</i>	2500-25721	HY-U	27-Aug-08	30-Aug-08 06-Sep-08	3 10	12.6 11.8	11.8 13.5	+0.9	+7.1%
<i>Wilson's Warbler</i>	2520-14741	HY-M	27-Aug-08	30-Aug-08	3	7.7	7.6	-0.1	-1.3%
<i>Canada Warbler</i>	2500-25712	HY-M	27-Aug-08	30-Aug-08	3	9.5	11.0	+1.5	+15.8%
<i>Song Sparrow</i>	2281-10713	HY-U	09-Aug-08	13-Aug-08	4	17.8	17.9	+0.1	+0.6%
<i>Song Sparrow</i>	2281-10716	HY-U	09-Aug-08	25-Aug-08	16	16.6	18.5	+1.9	+11.4%
<i>Song Sparrow</i>	2281-10718	HY-U	09-Aug-08	13-Aug-08	4	18.8	19.1	+0.3	+1.6%
<i>Song Sparrow</i>	2281-10720	HY-U	09-Aug-08	13-Aug-08	4	19.7	20.2	+0.5	+2.5%
<i>Song Sparrow</i>	2281-10722	HY-U	09-Aug-08	13-Aug-08 14-Aug-08	4 5	16.7 17.6	17.6 17.5	+0.8	+4.8%
<i>Song Sparrow</i>	2281-10723	HY-U	09-Aug-08	14-Aug-08	5	18.0	17.3	-0.7	-3.9%
<i>Song Sparrow</i>	2281-10724	HY-U	09-Aug-08	13-Aug-08	4	17.6	18.0	+0.4	+2.3%
<i>Song Sparrow</i>	2281-10725	HY-U	09-Aug-08	04-Oct-08	56	18.5	19.0	+0.5	+2.7%
<i>Song Sparrow</i>	2281-10726	HY-U	09-Aug-08	14-Aug-08	5	19.4	19.4	0.0	0%
<i>Song Sparrow</i>	2281-10727	HY-U	09-Aug-08	13-Aug-08	4	18.1	17.0	-1.1	-6.0%
<i>Song Sparrow</i>	2311-71714	HY-U	13-Aug-08	30-Aug-08	17	18.1	17.4	-0.7	-3.9%
<i>Song Sparrow</i>	2281-10731	HY-U	13-Aug-08	30-Aug-08	17	18.5	18.7	+0.2	+1.1%
<i>Song Sparrow</i>	2281-10732	HY-U	13-Aug-08	06-Sep-08	24	15.8	16.8	+1.0	+6.3%
<i>Song Sparrow</i>	2281-10733	AHY-U	13-Aug-08	26-Sep-08	44	18.9	21.2	+2.3	+12.2%
<i>Song Sparrow</i>	2281-10737	HY-U	13-Aug-08	14-Aug-08 27-Aug-08 06-Sep-08	1 14 24	18.5 18.6 17.1	18.6 17.1 19.6	+1.1	+5.9%
<i>Song Sparrow</i>	2281-10738	HY-U	13-Aug-08	04-Oct-08	52	18.8	19.6	+0.8	+4.2%
<i>Song Sparrow</i>	2281-10739	HY-U	13-Aug-08	18-Oct-08	66	18.4	20.0	+1.6	+8.7%
<i>Song Sparrow</i>	2281-10741	HY-U	13-Aug-08	25-Aug-08	12	19.9	19.8	-0.1	-0.5%
<i>Song Sparrow</i>	2281-10747	HY-U	13-Aug-08	06-Sep-08	24	20.0	18.8	-1.2	-6.0%
<i>Song Sparrow</i>	2281-10756	HY-U	14-Aug-08	30-Aug-08	16	15.9	18.5	+2.6	+16.4%

Table 10. Cont'd.

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	2281-10758	HY-U	14-Aug-08	25-Aug-08 16-Oct-08	11 63	16.9 17.7	17.7 17.8	+0.9	+5.3%
Song Sparrow	2281-10759	HY-U	14-Aug-08	30-Aug-08	16	21.0	18.7	-2.3	-11.0%
Song Sparrow	2281-10761	HY-U	25-Aug-08	03-Sep-08	9	16.6	18.4	+1.8	+10.8%
Song Sparrow	2281-10764	HY-U	25-Aug-08	28-Sep-08	34	18.2	21.5	+3.3	+18.1%
Song Sparrow	2281-10767	HY-U	25-Aug-08	27-Aug-08	2	19.0	18.5	-0.5	-2.6%
Song Sparrow	2281-10769	HY-U	25-Aug-08	03-Sep-08	9	15.8	16.5	+0.7	+4.4%
Song Sparrow	2281-10772	HY-U	25-Aug-08	30-Aug-08	5	19.1	20.3	+1.2	+6.3%
Song Sparrow	2281-10775	HY-U	27-Aug-08	06-Sep-08	10	16.9	17.0	+0.1	+0.6%
Song Sparrow	2281-10777	HY-U	27-Aug-08	30-Aug-08	3	18.8	17.9	-0.9	-4.8%
Song Sparrow	2281-10778	HY-U	27-Aug-08	30-Aug-08 06-Sep-08 08-Sep-08	3 10 12	16.6 17.6 16.7	17.6 16.7 16.4	-0.2	-1.2%
Song Sparrow	2281-10781	HY-U	27-Aug-08	16-Oct-08	50	17.5	19.9	+2.4	+13.7%
Song Sparrow	2281-10782	HY-U	27-Aug-08	20-Sep-08	24	19.7	20.5	+0.8	+4.1%
Song Sparrow	2281-10786	HY-U	30-Aug-08	18-Sep-08	19	16.5	18.6	+2.1	+12.7%
Song Sparrow	2281-10787	HY-U	30-Aug-08	06-Sep-08	7	17.5	19.2	+1.7	+9.7%
Song Sparrow	2281-10788	HY-U	30-Aug-08	03-Sep-08	4	22.3	18.0	-4.3	-19.3%
Song Sparrow	2281-10789	HY-U	30-Aug-08	16-Oct-08	47	19.8	20.8	+1.0	+5.0%
Song Sparrow	2281-10790	HY-U	30-Aug-08	06-Sep-08 23-Oct-08	7 54	18.5 17.6	17.6 20.7	+2.2	+11.9%
Song Sparrow	2281-10791	HY-U	30-Aug-08	06-Sep-08	7	21.3	19.1	-2.2	-10.3%
Song Sparrow	2281-10792	HY-U	30-Aug-08	06-Sep-08	7	19.3	18.3	-1.0	-5.2%
Song Sparrow	2281-10795	HY-U	30-Aug-08	04-Oct-08	35	18.7	17.4	-1.3	-7.0%
Song Sparrow	2281-10798	HY-U	06-Sep-08	16-Oct-08	40	18.5	19.4	+0.9	+4.9%
Song Sparrow	2281-10802	HY-U	06-Sep-08	18-Sep-08 28-Sep-08	12 22	19.8 21.0	21.0 20.0	+0.2	+1.0%
Song Sparrow	2281-10804	HY-U	06-Sep-08	08-Sep-08	2	18.0	17.6	-0.4	-2.2%
Song Sparrow	2281-10805	HY-U	06-Sep-08	20-Sep-08	14	19.4	21.7	+2.3	+11.8%
Song Sparrow	2281-10814	HY-U	06-Sep-08	28-Sep-08	22	17.2	18.0	+0.8	+4.6%
Song Sparrow	2281-10815	HY-U	08-Sep-08	18-Sep-08	10	18.8	19.8	+1.0	+5.3%
Song Sparrow	2281-10816	HY-U	08-Sep-08	30-Oct-08	52	20.4	21.9	+1.5	+7.4%
Song Sparrow	2281-10827	HY-U	18-Sep-08	26-Sep-08	8	18.7	19.1	+0.4	+2.1%
Song Sparrow	2281-10836	HY-U	18-Sep-08	28-Sep-08 18-Oct-08	10 30	18.1 18.2	18.2 17.2	-0.9	-5.0%
Song Sparrow	2281-10849	HY-U	20-Sep-08	02-Oct-08 18-Oct-08	12 28	17.2 16.9	16.9 19.4	+2.2	+12.8%
Song Sparrow	2281-10859	HY-U	20-Sep-08	16-Oct-08	26	20.3	19.8	-0.5	-2.5%
Song Sparrow	2281-10861	HY-U	20-Sep-08	28-Sep-08	8	19.4	18.8	-0.6	-3.1%
Song Sparrow	2281-10886	HY-U	28-Sep-08	16-Oct-08	18	18.2	16.7	-1.5	-8.2%
Song Sparrow	2281-10985	AHY-U	04-Oct-08	18-Oct-08	14	21.4	19.5	-1.9	-8.9%
Song Sparrow	2281-10996	AHY-U	04-Oct-08	11-Oct-08	7	19.4	18.3	-1.1	-5.7%
Song Sparrow	2291-90937	HY-U	16-Oct-08	30-Oct-08	14	21.1	19.4	-1.7	-8.0%
Song Sparrow	2291-90968	HY-U	18-Oct-08	30-Oct-08	12	18.2	20.4	+2.2	+12.1%
Song Sparrow	2291-90969	HY-U	18-Oct-08	30-Oct-08	12	18.3	20.9	+2.6	+14.2%
Song Sparrow	2291-90981	HY-U	18-Oct-08	23-Oct-08	5	21.0	22.9	+1.9	+9.0%
Swamp Sparrow	2311-71699	HY-U	09-Aug-08	13-Aug-08	4	13.8	14.5	+0.7	+5.1%
Swamp Sparrow	2311-71709	HY-U	13-Aug-08	18-Sep-08	36	15.7	16.4	+0.7	+4.4%
Swamp Sparrow	2311-71712	HY-U	13-Aug-08	25-Aug-08	12	16.2	15.3	-0.9	-5.6%

Table 10. Cont'd.

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	2311-71713	HY-U	13-Aug-08	03-Sep-08 08-Sep-08	21 26	14.6 17.5	17.5 16.6	+2.0	+13.7%
Swamp Sparrow	2311-71718	HY-U	14-Aug-08	20-Sep-08	37	16.0	17.4	+1.4	+8.8%
Swamp Sparrow	2311-71723	HY-U	14-Aug-08	25-Aug-08	11	14.6	15.0	+0.4	+2.7%
Swamp Sparrow	2281-10797	HY-U	03-Sep-08	09-Oct-08	36	14.8	17.2	+2.4	+16.2%
Swamp Sparrow	2311-71789	HY-U	20-Sep-08	26-Sep-08	6	16.9	16.4	-0.5	-3.0%
Swamp Sparrow	2311-71792	AHY-U	20-Sep-08	02-Oct-08	12	15.9	16.0	+0.1	+0.6%
Swamp Sparrow	2321-69501	HY-U	26-Sep-08	02-Oct-08	6	14.7	14.4	-0.3	-2.0%
Swamp Sparrow	2321-69661	HY-U	04-Oct-08	11-Oct-08	7	18.5	18.0	-0.5	-2.7%
Swamp Sparrow	2321-69702	HY-U	11-Oct-08	18-Oct-08	7	14.9	15.4	+0.5	+3.4%
Swamp Sparrow	2321-69706	HY-U	11-Oct-08	23-Oct-08	12	17.3	16.0	-1.3	-7.5%
Swamp Sparrow	2321-69783	HY-U	23-Oct-08	30-Oct-08	7	19.1	18.1	-1.0	-5.2%
White-throated Sparrow	2281-10842	HY-U	18-Sep-08	20-Sep-08	2	22.7	23.3	+0.6	+2.6%
White-throated Sparrow	2281-10844	HY-U	20-Sep-08	28-Sep-08 02-Oct-08	8 12	23.9 24.8	24.8 25.6	+1.7	+7.1%
White-throated Sparrow	2281-10852	HY-U	20-Sep-08	02-Oct-08	12	24.2	23.2	-1.0	-4.1%
White-throated Sparrow	2281-10889	AHY-M	28-Sep-08	04-Oct-08	6	25.7	26.0	+0.3	+1.2%
White-throated Sparrow	2281-10891	HY-U	28-Sep-08	02-Oct-08	4	26.0	25.4	-0.6	-2.3%
White-throated Sparrow	2281-10893	HY-U	28-Sep-08	02-Oct-08	4	26.0	24.0	-2.0	-7.7%
White-throated Sparrow	2281-10912	AHY-U	02-Oct-08	11-Oct-08	9	20.7	24.4	+3.7	+17.9%
White-throated Sparrow	2281-10919	HY-U	02-Oct-08	16-Oct-08	14	23.8	24.4	+0.6	+2.5%
White-throated Sparrow	2281-10924	HY-U	02-Oct-08	04-Oct-08 16-Oct-08	2 14	21.6 22.4	22.4 24.1	+2.5	+11.6%
White-throated Sparrow	2281-10929	HY-U	02-Oct-08	11-Oct-08 23-Oct-08	9 21	24.1 25.0	25.0 24.3	+0.2	+0.8%
White-throated Sparrow	2281-10930	AHY-M	02-Oct-08	09-Oct-08	7	28.6	30.8	+2.2	+7.7%
White-throated Sparrow	2281-10933	AHY-U	02-Oct-08	04-Oct-08	2	23.0	22.1	-0.9	-3.9%
White-throated Sparrow	2281-10936	HY-U	02-Oct-08	04-Oct-08	2	28.6	27.7	-0.9	-3.1%
White-throated Sparrow	2281-10944	HY-F	02-Oct-08	11-Oct-08 30-Oct-08	9 28	22.7 23.7	23.7 25.6	+2.9	+12.8%
White-throated Sparrow	2281-10953	HY-U	02-Oct-08	11-Oct-08	9	23.9	25.6	+1.7	+7.1%
White-throated Sparrow	2281-10954	HY-F	02-Oct-08	11-Oct-08	9	24.2	22.3	-1.9	-7.8%
White-throated Sparrow	2281-10965	HY-U	04-Oct-08	09-Oct-08	5	24.6	26.3	+1.7	+6.9%
White-throated Sparrow	2281-10992	HY-U	04-Oct-08	11-Oct-08 16-Oct-08	7 12	23.6 24.0	24.0 24.0	+0.4	+1.7%
White-throated Sparrow	2291-90729	HY-U	04-Oct-08	11-Oct-08	7	25.2	25.3	+0.1	+0.4%
White-throated Sparrow	2291-90745	AHY-U	09-Oct-08	18-Oct-08	9	23.6	22.7	-0.9	-3.8%
White-throated Sparrow	2291-90751	HY-U	09-Oct-08	16-Oct-08	7	26.1	25.9	-0.2	-0.8%
White-throated Sparrow	2291-90755	HY-U	09-Oct-08	11-Oct-08	2	23.5	21.7	-1.8	-7.6%
White-throated Sparrow	2291-90775	HY-F	09-Oct-08	11-Oct-08	2	25.6	23.4	-2.2	-8.6%
White-throated Sparrow	2291-90800	HY-U	09-Oct-08	23-Oct-08	14	24.2	22.1	-2.1	-8.7%
White-throated Sparrow	2291-90809	AHY-U	09-Oct-08	11-Oct-08	2	25.7	24.6	-1.1	-4.3%
White-throated Sparrow	2291-90818	HY-U	11-Oct-08	23-Oct-08 30-Oct-08	12 19	25.0 25.3	25.3 26.5	+1.5	+6.0%
White-throated Sparrow	2291-90847	HY-U	11-Oct-08	30-Oct-08	19	26.3	26.2	-0.1	-0.4%
White-throated Sparrow	2291-90855	HY-F	11-Oct-08	16-Oct-08	5	24.3	21.1	-3.2	-13.2%
White-throated Sparrow	2291-90858	HY-U	11-Oct-08	18-Oct-08 23-Oct-08	7 12	24.9 23.3	23.3 25.5	+0.6	+2.4%
White-throated Sparrow	2291-90859	HY-U	11-Oct-08	16-Oct-08	5	26.3	24.5	-1.8	-6.8%

Table 10. Cont'd.

Species	Band No.	Age/Sex	Date Banded	Date Recaptured	No. of days	Original Weight	Weight at Recapture (g)	Gain/Loss (g)	Gain/Loss (%)
White-throated Sparrow	2291-90883	HY-U	11-Oct-08	16-Oct-08	5	25.8	26.4	+0.6	+2.3%
White-throated Sparrow	2291-90885	HY-U	11-Oct-08	16-Oct-08	5	22.0	18.8	-3.2	-14.5%
White-throated Sparrow	2291-90904	HY-U	16-Oct-08	18-Oct-08 30-Oct-08	2 14	23.0 26.2	22.5 26.2	+3.2	+13.9%
White-throated Sparrow	2291-90934	HY-U	16-Oct-08	23-Oct-08	7	27.3	27.9	+0.6	+2.2%
White-throated Sparrow	2291-90936	HY-U	16-Oct-08	23-Oct-08	7	22.2	22.0	-0.2	-0.9%
White-throated Sparrow	2431-25812	HY-U	18-Oct-08	23-Oct-08	5	24.2	22.2	-2.0	-8.3%
White-throated Sparrow	2431-25818	HY-U	18-Oct-08	23-Oct-08	5	23.0	22.2	-0.8	-3.5%
White-throated Sparrow	2431-25822	HY-U	23-Oct-08	30-Oct-08	7	23.4	25.7	+2.3	+9.8%
White-throated Sparrow	2431-25835	HY-F	23-Oct-08	01-Nov-08	9	22.2	23.0	+0.8	+3.6%
American Goldfinch	2321-69530	HY-M	28-Sep-08	02-Oct-08 04-Oct-08 01-Nov-08	4 6 34	11.9 12.6 12.7	12.6 12.7 14.3	+2.4	+20.2%
American Goldfinch	2321-69536	HY-M	28-Sep-08	04-Oct-08	6	11.4	13.1	+1.7	+14.9%
American Goldfinch	2321-69544	HY-M	28-Sep-08	02-Oct-08	4	11.4	13.4	+2.0	+17.5%
American Goldfinch	2321-69558	HY-F	28-Sep-08	18-Oct-08	20	12.7	13.7	+1.0	+7.9%
American Goldfinch	2321-69563	HY-M	28-Sep-08	02-Oct-08 04-Oct-08	4 6	12.2 12.8	12.8 13.6	+1.4	+11.5%
American Goldfinch	2321-69569	HY-F	28-Sep-08	09-Oct-08	11	11.9	14.7	+2.8	+23.5%
American Goldfinch	2321-69597	HY-F	28-Sep-08	02-Oct-08	4	12.3	11.1	-1.2	-9.8%
American Goldfinch	2321-69602	HY-M	02-Oct-08	04-Oct-08 09-Oct-08 23-Oct-08	2 7 21	12.0 13.0 12.7	13.0 12.7 13.5	+1.5	+12.5%
American Goldfinch	2321-69603	HY-F	02-Oct-08	04-Oct-08	2	11.8	12.4	+0.6	+5.1%
American Goldfinch	2321-69604	HY-M	02-Oct-08	04-Oct-08	2	12.2	12.4	+0.2	+1.6%
American Goldfinch	2321-69606	HY-M	02-Oct-08	18-Oct-08	16	10.8	12.3	+1.5	+13.9%
American Goldfinch	2321-69607	HY-M	02-Oct-08	04-Oct-08	2	11.8	13.2	+1.4	+11.9%
American Goldfinch	2321-69619	HY-F	02-Oct-08	04-Oct-08 09-Oct-08 16-Oct-08 23-Oct-08	2 7 14 21	11.4 10.9 10.2 11.4	10.9 10.2 11.4 12.0	+0.6	+5.3%
American Goldfinch	2321-69621	HY-M	02-Oct-08	04-Oct-08 16-Oct-08	2 14	11.1 11.7	11.7 13.1	+2.0	+18.0%
American Goldfinch	2321-69624	HY-M	02-Oct-08	11-Oct-08 16-Oct-08 18-Oct-08 23-Oct-08	9 14 16 21	11.8 12.7 12.1 11.9	12.7 12.1 11.9 12.5	+0.7	+5.9%
American Goldfinch	2321-69628	HY-M	02-Oct-08	04-Oct-08	2	12.1	12.8	+0.7	+5.8%
American Goldfinch	2321-69630	HY-M	02-Oct-08	04-Oct-08	2	12.9	13.0	+0.1	+0.8%
American Goldfinch	2321-69636	HY-M	02-Oct-08	04-Oct-08	2	11.7	12.9	+1.2	+10.2%
American Goldfinch	2321-69643	HY-F	02-Oct-08	09-Oct-08 11-Oct-08 18-Oct-08 23-Oct-08	7 9 16 21	12.8 12.5 12.1 11.3	12.5 12.1 11.3 10.7	-2.1	-16.4%
American Goldfinch	2321-69647	HY-F	02-Oct-08	04-Oct-08 11-Oct-08 18-Oct-08	2 9 16	12.9 12.8 11.9	12.8 11.9 13.2	+0.3	+2.3%
American Goldfinch	2321-69648	HY-M	02-Oct-08	16-Oct-08	14	11.8	14.0	+2.2	+18.6%
American Goldfinch	2321-69670	HY-M	04-Oct-08	18-Oct-08	14	12.9	13.6	+0.7	+5.4%

Table 10. Cont'd.

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	2321-69682	AHY-M	04-Oct-08	11-Oct-08 16-Oct-08	7 12	14.6 12.3	12.3 13.8	-0.8	+5.5%
American Goldfinch	2321-69691	AHY-F	09-Oct-08	16-Oct-08	7	12.9	13.5	+0.6	+4.6%
American Goldfinch	2321-69701	AHY-M	11-Oct-08	18-Oct-08	7	13.1	13.9	+0.8	+6.1%
American Goldfinch	2321-69734	HY-M	16-Oct-08	18-Oct-08	2	12.8	13.8	+1.0	+7.8%
American Goldfinch	2321-69740	HY-M	16-Oct-08	23-Oct-08 30-Oct-08	7 14	10.6 12.7	12.7 12.4	+1.8	+17.0%
American Goldfinch	2321-69745	HY-M	16-Oct-08	23-Oct-08	7	12.3	12.9	+0.6	+4.9%
American Goldfinch	2321-69759	HY-M	16-Oct-08	18-Oct-08	2	13.3	12.8	-0.5	-3.8%
American Goldfinch	2321-69785	HY-F	23-Oct-08	30-Oct-08	7	12.4	11.5	-0.9	-7.2%
Total birds with weight gains								121	-
Total birds with weight loss								72	-
Average weight gain									+8.4%
Average weight loss									-6.6%

FALL 2008 - PHOTO HIGHLIGHTS



This American Woodcock was the first banded in fall.



Hatch-year Barn Swallow with severe bill deformity.



Brown Thrashers are infrequently banded, especially in fall



Among the record number of Black-throated Blue Warblers banded this fall was this female that was unusually green on the crown.



Adult female Connecticut Warbler banded on 3 September 2008.



Hatch-year male Connecticut Warbler banded on 8 September 2008.

FALL 2008 - PHOTO HIGHLIGHTS



Hatch-year (brown eye) male Eastern Towhee, a species not often captured here.



Adult male Purple Finch, only the second ever banded at Metro Beach and the first in many years.



Red-bellied Woodpeckers in juvenile plumage lack red on the head. This hatch-year female was only the second ever banded here, and the first in fall.



Hatch-year female Yellow-bellied Sapsucker, the first banded here in many years.