

Spring 2013 Metro Beach Bird Banding Summary

Lake St. Clair Metropark, Macomb County, Michigan



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INTRODUCTION

The spring of 2013 was the tenth year of a renewed banding study to be compared with the previous ten year study conducted (in spring) from 1990-1999 by Ellie Cox, who provided most of my training as a bander. Net lanes required little clearing this spring, as expected, and the same locations in use since last spring were used again (see the Spring 2008 report for all net locations and names). The net lanes in the Field were blocked by the ash tree in the center of the setup, which fell down in a wind and snowstorm in December 2012, and was removed in March 2013 with the help of park maintenance crew (thanks Jason!). Two four-panel nets and one three-panel net was used at the Field Nets this spring, an increase of 0.25 nets from previous seasons. A thistle sock feeder was placed inside the “U” of the Field Nets beginning with the first banding day in April, and hummingbird feeders were placed near the Field Edge net beginning with the first banding day in May with an empty decoy feeder on the opposite side on banding days. Both were left in place until the last banding day of the spring.

The *Phragmites* still have not been eliminated entirely from the marsh, but it has been reduced significantly and there was no activity to mow or burn it this spring. Temperatures were below average beginning in mid-March, continuing into April, becoming closer to normal during May. This spring was wetter than normal. White-tailed Deer were in evidence in the banding area, though not as many as in some recent years.

SPRING 2013 RESULTS

Banding was conducted on 16 days between 5 April and 8 June, with nets open a total of 110.75 hours (1386.69 net hours). A total of 790 new birds of 68 species were banded, plus 271 recaptures (including 134 captures of 44 returnees from previous years) and 32 released unbanded, for a total of 1093 captures and a capture rate of 78.8 birds per 100 net hours. This is the 3rd highest number of birds banded here in a spring season since 2004, and the 4th highest since 1990. The 20,000th bird banded since 2004, an after second-year male Yellow Warbler, was captured on 7 June. Approximately 15,000 birds were banded here between 1990 and 1999, but the season then was not begun until the third week of April, and often nets were not open until 9 a.m. Species diversity was the highest since 1990 (tied with 1992). The number of days of coverage was about average, and the number of net hours was the highest since 2004, with the capture rate (birds per 100 net hours) the 5th highest since 2004. A breakdown of numbers banded by taxonomic grouping is shown in Figure 1 below, and details of capture data comparing all years from 2004 to present is shown in Table 1 below. In addition, a preliminary comparison is made with the previous 10-year period (1990-1999), though data for that period has only been verified for 1990, 1991, and 1992.

Over-wintering species and early migrants, including Eastern Phoebe, Winter Wren, Brown Creeper, Golden-crowned Kinglet, Hermit Thrush, Fox Sparrow, Dark-eyed Junco, and American Tree Sparrow, were all still present in the banding area during early April, as the arrival of spring was late compared with the recent past, but more normal compared to spring seasons in the 1970s and 1980s. As with the last two spring seasons, late migrants were not at all in evidence in early June this year. The peak day for captures was 18 May with 121 birds banded (plus 15 recaptures and 3 released unbanded). The most diverse days were 18 May with 30 species, and 13 May with 25 species. A number of species were banded in very low numbers, most notably White-throated Sparrows, as much of the migration seemed to “leap frog” over us this year as there were no “fallout” conditions despite the frequent rain.

Figure 1. Percentages of bird families banded during Spring 2013.

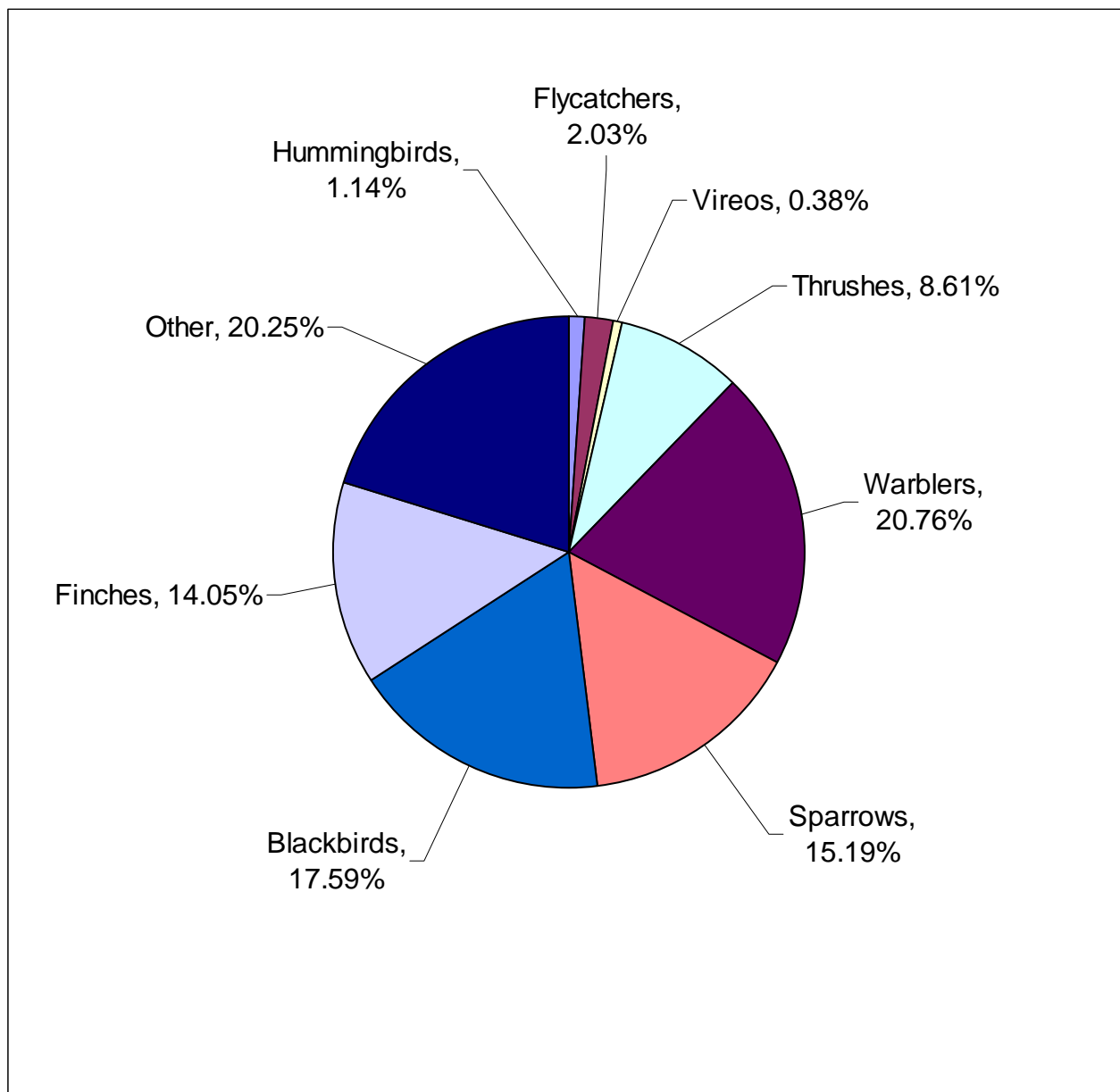


Table 1. Comparison of annual spring banding effort, capture rates, and species diversity.

Year ¹	Days	Net Hrs.	New birds Banded	No. of Recaptures	Released unbanded ²	Total Captures	Capture Rate ³	No. of Species
1990	5	480.00	315	25	0	340	70.8	43
1991	9	617.00	362	49	1	412	66.8	54
1992	14	1018.00	682	*	1	683	67.1	68
1993	14	954.00	776	*	*	776	81.3	64
1994	14	1118.00	597	*	*	597	53.5	62
1995	14	946.00	735	*	*	735	77.7	67
1996	11	829.00	794	*	6	800	96.5	59
1997	11	628.00	595	*	*	595	94.7	56
1998	13	1004.00	354	*	*	354	35.3	44
1999	12	1043.00	522	*	*	522	50.0	54
'90-'99 Avg. ¹	11.7	863.70	573.2	37.0	2.0	581.4	67.3	57.1
2004	16	666.00	575	55	49	679	102.0	66
2005	16	766.38	433	106	7	556	72.5	61
2006	20	1094.31	719	146	14	879	80.3	62
2007	17	1288.69	791	196	24	1011	78.5	65
2008	16	1315.25	657	256	31	944	71.8	60
2009	16	1241.13	773	226	48	1047	84.4	60
2010	16	1186.63	576	188	25	789	66.5	61
2011	15	1022.87	731	278	21	1030	100.7	60
2012	16	1303.00	997	274	42	1313	100.8	64
2013	16	1386.69	790	271	32	1093	78.8	68
'04-'13 Avg.	16.4	1127.00	704.2	199.6	29.3	934.1	83.6	62.7

¹ 1990-1999 data has not yet been fully verified.

² Released unbanded (including mostly "escapes") were not tracked as carefully from 1990-1999 as from 2004-2013.

³ Capture rate is defined as number of individuals per 100 net hours.

The overall number of birds captured in the Field Nets was once again the highest of any net group, but this year it was just barely higher than the Upland Nets. They were also most productive on a per net basis. The late spring arrival resulted in much shorter vegetation out in the field for a longer period during the spring, which probably contributed to the reduced number of birds captured there. The productivity of the Swamp Nets and also the Willow Nets were not far behind this season, resulting in a distribution of captures as close to even across all nets as has ever occurred here since tracking of capture location began in 2004.

Ruby-throated Hummingbirds were caught mostly in the Field Nets, with slightly less than 1/4 of them in the Willow, and only about 1/10 of them in the Upland Nets. Despite there being hummingbird feeders adjacent to the Field Edge Nets, no hummingbirds were captured there this spring. Most of the flycatchers this spring were captured in the Field Nets, with about 1/3 of them in the Upland. Kinglets and Brown Creepers were mainly captured in the Swamp and Upland Nets where there are larger trees, and none in the Field. Also, thrushes were mainly in Swamp and Upland nets, though a very few Hermit Thrushes and about 1/4 of the American Robins captured in the Field. Warblers were captured in all nets, with about 1/3 in the Willow Nets and 1/3 in the Upland Nets. Almost half of the Yellow Warblers were captured in the Field Nets, while Yellow-rumped Warblers were mostly in the Upland and Swamp Nets. Oddly, only about 1/10 of the Common Yellowthroats were captured in the Field Nets, with almost half in the Willow Nets (which are in weedy vegetation just off the banding road), and 1/3 of them in the Upland Nets. Sparrows were also fairly evenly distributed among all the net groups. The low number

of White-throated Sparrows this spring (only 21) may have been the reason that none were captured in the Field or Field Edge Nets. Most of the Swamp Sparrows were captured in the Field, Willow, and Upland Nets, with the Swamp Nets ironically capturing the fewest. The distribution of Red-winged Blackbirds was similar to last spring, with most males in the Swamp Nets, but with females mostly in Upland and Swamp Nets. Captures by net group are shown in Table 2 below. Captures for selected species by net group are shown in Table 3 below.

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

Net Group	No. captured	% captured	% per net
Field (2.75 nets)	257	32.4%	11.8%
Field Edge (1.0 net)	34	4.3%	4.3%
Willow (2.0 nets)	120	15.2%	7.6%
Upland (4.0 nets)	223	28.2%	7.0%
Swamp (4.0 nets)	158	19.9%	5.0%

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

Species	Field	Field Edge	Willow	Upland	Swamp
Ruby-throated Hummingbird (9)	66.7%	-	22.2%	11.1%	-
All flycatchers (18)	44.4%		5.6%	33.3%	16.7%
Brown Creeper (13)	-	-	15.4%	46.2%	38.4%
Golden-crowned Kinglet (18)	-	11.2%	-	44.4%	44.4%
Ruby-crowned Kinglet (11)	-	0.9%	18.3%	36.4%	36.4%
Veery (10)	-	-	20.0%	50.0%	30.0%
Swainson's Thrush (4)	-	-	-	50.0%	50.0%
Hermit Thrush (19)	5.3%	-	10.5%	42.1%	42.1%
American Robin (33)	24.2%	6.1%	12.1%	27.3%	30.3%
All thrushes (68)	13.2%	2.9%	11.8%	38.2%	33.8%
Yellow Warbler (44)	43.2%	11.4%	4.5%	27.3%	13.6%
Magnolia Warbler (18)	5.6%	-	50.0%	44.4%	-
Yellow-rumped Warbler (11)	-	-	18.2%	45.4%	36.4%
Common Yellowthroat (36)	11.1%	-	44.4%	30.6%	13.9%
All warblers (164)	16.5%	3.6%	31.1%	34.8%	14.0%
Song Sparrow (25)	40.0%	8.0%	16.0%	24.0%	12.0%
Lincoln's Sparrow (7)	-	-	14.3%	85.7%	-
Swamp Sparrow (53)	37.7%	5.7%	32.0%	20.8%	3.8%
White-throated Sparrow (21)	-	-	23.8%	23.8%	52.4%
All sparrows (n=118)	29.7%	6.8%	24.6%	24.6%	14.4%
Red-winged Blackbird (M) (63)	30.2%	-	12.7%	12.7%	44.4%
Red-winged Blackbird (F) (40)	15.0%	5.0%	10.0%	40.0%	30.0%
Red-winged Blackbird (all) (103)	24.3%	1.9%	11.6%	23.3%	38.8%
Common Grackle (18)	-	5.6%	5.6%	27.8%	61.1%
Baltimore Oriole (10)	40.0%	40.0%	-	20.0%	-
American Goldfinch (111)	98.2%	0.9%	0.9%	-	-

There some unusual captures this spring, including the first ever Spotted Sandpiper at this site. An American Woodcock was the 4th since 2004 (none were banded here from 1990-1999), and the three Mourning Doves was a record for a single season. A Red-bellied Woodpecker was also only the 4th since 2004, with none being banded from 1990-1999. A Golden-winged Warbler was only the 3rd since 2004, all in spring, and the 9th since 1990. A beautiful adult male Scarlet Tanager was only the second of its species at this site since 2004, and only the 5th since 1990. A Savannah Sparrow was the 5th since 2004 and the 6th since 1990, all in spring. A Rusty Blackbird was only the 12th ever here.

Flycatcher numbers again captured in low numbers, as has been the case in most recent years. Two exceptions were Eastern Wood-Pewee and Eastern Phoebe which were captured in good, but not record, numbers. Yellow-bellied Flycatcher was missed for the sixth spring since 2004. Three Warbling Vireos were the only members of that family captured this spring, in keeping with the low numbers banded since 2004. Good, but not record, numbers of Tree and Northern Rough-winged Swallows were banded, along with good numbers of Brown Creepers. The four Carolina Wrens banded tied the all-time record for a single season, and included hatch-year birds on the unusually early date of 13 May. House Wren numbers were very low, while Golden-crowned Kinglets were banded in good numbers. The number of thrushes remained at the lower numbers captured that have been typical since 2004, though Veery numbers were higher than average. Gray Catbirds were banded in low numbers this spring. An unfortunate record for a single season was the 17 European Starlings, a non-native invasive species, many of them hatch-year birds toward the end of the season. The previous record was 10 in spring 1999.

Warbler numbers were down slightly from last spring, with 164 individuals of 15 species banded. Tennessee, Orange-crowned, Black-throated Blue, and Mourning Warblers were missed entirely. Low numbers of Nashville, Wilson's, and Canada Warblers were captured. Good, but not record numbers of Yellow-rumped, Black-and-white, American Redstart, and Ovenbird were banded. The two breeding warblers were banded in good numbers, with Yellow Warbler and Common Yellowthroat both above both the average since 2004, and with Yellow also above the 1989-1999 average.

Sparrow numbers presented a mixed picture, with a good numbers of American Tree Sparrows, probably because of the late spring. But there were low numbers of Lincoln's and White-throated Sparrows, and White-crowned and Dark-eyed Juncos were missed entirely. The 111 American Goldfinches was a spring season record. Details for individual species can be found in Table 5 below.

Breeding evidence was found for the following species: 1 Mourning Dove (female), 4 Ruby-throated Hummingbirds (all females), 1 Red-bellied Woodpecker (female), 10 Downy Woodpeckers (5 males, 5 females), 3 Hairy Woodpeckers (1 male, 2 females), 1 Northern Flicker (female), 7 Tree Swallows (6 males, 1 female), 9 Northern Rough-winged Swallows (5 males, 4 females), 2 Black-capped Chickadees (females), 5 Carolina Wrens (1 male, 4 hatch-years), 1 House Wren (male), 35 American Robins (16 males, 16 females, 3 hatch-years), 12 European Starlings (2 males, 5 females, 5 hatch-years), 40 Yellow Warblers (38 males, 2 females), 9 Common Yellowthroats (8 males, 1 female), 32 Song Sparrows (26 males, 6 females), 15 Swamp Sparrows (14 males, 1 female), 2 Northern Cardinals (females), 1 Indigo Bunting (male), 44 Red-winged Blackbirds (13 males, 31 females), 15 Common Grackles (4 males, 11 females), 3 Brown-headed Cowbirds (females), and 7 Baltimore Orioles (5 males, 2 females). The number of birds apparently using the approximately 7 acre banding area as part (or all) of their breeding territory continues to be pretty amazing. It is clear that this patch of woodland and marsh is very important to breeding birds as well as migrants. Details can be found in Table 6 below.

RECAPTURES

The number of recaptures this spring was very good for many species. These are summarized in Table 4 below. The oldest birds recaptured this spring were Black-capped Chickadees and Yellow Warblers in their 7th calendar year, and a Song Sparrow that was after 7th year. A Cooper's Hawk (0804-31998) that was banded on 20 May 2010 as an after second-year male, was brought into the Nature Center, dead, on 9 March 2013 by an unknown finder from an unknown location (likely nearby). A Song Sparrow [2281-10323] that was banded in September 2007 and has been recaptured a total of 22 times through the end of 2012, was recaptured two more times this spring! A Ruby-throated Hummingbird, originally banded in August 2010 as a hatch-year female was the same individual recaptured in 2012, and was only the third such return of a hummingbird at this site. Birds banded at Lake St. Clair Metropark are very infrequently encountered any significant distance away from the park, so any reports of these "foreign" re-encounters are very special indeed. There are two such encounters to report this spring.

- A Cedar Waxwing [2431-38185] banded on 27 August 2009 as HY-U was found dead in Leander, Travis Co., Texas (~1175 miles SW of Lake St. Clair Metropark) on 23 March 2013.
- A Swamp Sparrow [2511-56809] banded on 12 April 2012 as SY-U was found killed by a cat in Union Grove, Morgan Co., Alabama (~600 miles SSW of Lake St. Clair Metropark) on 24 March 2013.

Other re-encounters from not so far away this spring included:

- A Common Grackle [1603-53349] banded on 26 May 2012 as ASY-F was found in the park (the leg and band only!) by someone participating in cleanup day on 20 April 2013.
- A Downy Woodpecker [2551-24438] banded on 29 August 2011 as HY-M was found dead in the park on 25 April 2013.

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

	Banded In 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
Recap in 2005	-	-	-	-	-	-	-	-	18 (8)
Recap in 2006	-	-	-	-	-	-	-	53 (17)	9 (6)
Recap in 2007	-	-	-	-	-	-	38 (12)	20 (8)	7 (5)
Recap in 2008	-	-	-	-	-	61 (16)	14 (7)	25 (13)	6 (5)
Recap in 2009	-	-	-	-	62 (14)	26 (9)	12 (8)	13 (8)	4 (4)
Recap in 2010	-	-	-	48 (16)	40 (11)	12 (6)	6 (4)	3 (3)	-
Recap in 2011	-	-	58 (17)	34 (10)	13 (6)	10 (7)	3 (2)	2 (2)	-
Recap in 2012	-	61 (13)	17 (9)	19 (7)	16 (8)	2 (2)	-	-	1 (1)
Recap in 2013	63 (15)	37 (10)	13 (5)	12 (7)	6 (4)	3 (3)	-	-	-

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

WEIGHT GAINS/LOSSES

One measure of the value of an area to migrant birds is the weight gain of those birds using the area. There is much variation from day to day, and year to year, with regard to how birds use an area, the condition they're in when they arrive, and how long they'll tend to use an area. In spring, birds are in more of a hurry to reach breeding grounds, so stopover durations tend to be shorter, and usually fewer weight gains are noted. As in previous spring seasons, there were more birds with weight gains than losses this spring, but only a few were pure migrants: 2 Brown Creepers, a Golden-crowned Kinglet, 2 Hermit Thrushes, and 2 Lincoln's Sparrows. All other recaptured migrants were species, and probably individuals, that nest at Lake St. Clair Metropark. Many of the weight gains, especially those greater than 10%, can be attributed to females forming eggs prior to laying, and these individuals also contribute to a longer average stopover time. Table 13 below provides details of weight gains and losses detected during Spring 2013.

It is clear that this small and rather isolated patch of habitat at Lake St. Clair Metropark continues to be an important stopover and refueling (feeding) site for migrating birds.

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

ACKNOWLEDGMENTS

I would like to thank the park manager, Thomas Knuth, Park Operations Manager, 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 Nature Center for their continuing support: Julie Champion, Chris Becher, Nick Dicresce, Sarah Matuszak, and Michelle Serreyn.

Banding this spring simply could not have been done without the able assistance of the following 17 volunteers (30 in spring 2012, 13 in spring 2011, and 23 in spring 2010): John Bieganowski, David Boon, Mary Buchowski, Jacob Charlebois, Jean Gramlich, Dave Lancaster, Mary Mangas, Steve Mangas, Kathy McDonald, Marie McGee, Scott Nottmeier, Anne Ross, Tom Schlack, Edie Schmitz, Joan Tisdale, Ai Wen, and Blanche Wicke.

Table 5. Birds banded at Lake St. Clair Metropark in Spring 2013, compared with the 1990-1999 average per season and the 2004-2012 average per season (No. per 100 net hours in parentheses). **Bold black text** indicates unusual species or high numbers; ¹ = all time record, ² = tied all time record, ³ = spring record, ⁴ = tied spring record. **Bold red text** indicates significant declines, or significant species missed this season.

Species	1990-1999 Average	2004-2012 Average	2013 Totals	Returns
Cooper's Hawk	0	0.1 (0.01)	0	-
Virginia Rail	0.3 (0.03)	0	0	-
Killdeer	0.1 (0.01)	0	0	-
Solitary Sandpiper	0.1 (0.01)	0.2 (0.02)	0	-
Spotted Sandpiper	0	0	1¹ (0.07)	-
Wilson's Snipe	0.1 (0.01)	0	0	-
American Woodcock	0	0.2 (0.02)	1 (0.07)	-
Mourning Dove	0.2 (0.02)	0.1 (0.01)	3¹ (0.22)	-
Black-billed Cuckoo	0.2 (0.02)	0.1 (0.01)	0	-
Whip-poor-will	0.2 (0.02)	0	0	-
Ruby-throated Hummingbird	0	6.1 (0.55)	9 (0.65)	2010 (1)
Red-bellied Woodpecker	0	0.2 (0.02)	1² (0.07)	-
Yellow-bellied Sapsucker	0.1 (0.01)	0	0	-
Downy Woodpecker	3.6 (0.42)	4.7 (0.42)	10³ (0.72)	2012 (4)
Hairy Woodpecker	0.2 (0.02)	0.4 (0.04)	2⁴ (0.14)	2008 (1)
Northern Flicker	0.8 (0.09)	1.6 (0.14)	1 (0.07)	-
Olive-sided Flycatcher	0.2 (0.02)	0	0	-
Eastern Wood-Pewee	1.4 (0.16)	0.6 (0.05)	3 (0.22)	2009 (1) 2012 (1)
Yellow-bellied Flycatcher	14.1 (1.63)	1.2 (0.11)	0	-
Acadian Flycatcher	0.3 (0.03)	0.2 (0.02)	0	-
Alder Flycatcher	0.2 (0.02)	2.6 (0.23)	4 (0.29)	-
Willow Flycatcher	0.1 (0.01)	2.3 (0.21)	1 (0.07)	-
"Traill's" Flycatcher	6.4 (0.67)	3.9 (0.35)	4 (0.29)	2012 (1)
Least Flycatcher	8.0 (0.93)	2.3 (0.21)	2 (0.14)	-
Eastern Phoebe	0.2 (0.02)	2.7 (0.24)	4 (0.29)	-
Great Crested Flycatcher	0.7 (0.08)	0.3 (0.03)	0	-
Eastern Kingbird	0.1 (0.01)	0.2 (0.02)	0	-
White-eyed Vireo	0.7 (0.08)	1.0 (0.09)	0	-
Blue-headed Vireo	0.6 (0.07)	0.1 (0.01)	0	-
Warbling Vireo	5.8 (0.67)	4.0 (0.36)	3 (0.22)	-
Philadelphia Vireo	0.4 (0.05)	0.1 (0.01)	0	-
Red-eyed Vireo	2.0 (0.23)	0.2 (0.02)	0	-
Blue Jay	20.2 (2.34)	4.6 (0.41)	15 (1.08)	-
Tree Swallow	0.2 (0.02)	4.2 (0.38)	10 (0.72)	-
Northern Rough-winged Swallow	0.6 (0.07)	10.4 (0.95)	11 (0.79)	-
Barn Swallow	0	2.7 (0.24)	2 (0.14)	-
Black-capped Chickadee	3.2 (0.37)	6.8 (0.62)	7 (0.50)	2007 (1) 2011 (1) 2012 (3)
Tufted Titmouse	0.2 (0.02)	0.8 (0.07)	1 (0.07)	-

Table 5. Continued (page 2 of 4).

Species	1990-1999 Average	2004-2012 Average	2013 Totals	Returns
White-breasted Nuthatch	0	0.1 (0.01)	0	-
Brown Creeper	1.5 (0.17)	10.7 (0.97)	13 (0.94)	-
Carolina Wren	0.1 (0.01)	1.2 (0.11)	4² (0.29)	2012 (1)
House Wren	6.7 (0.78)	7.1 (0.65)	4 (0.29)	-
Winter Wren	2.9 (0.34)	2.6 (0.23)	2 (0.14)	-
Sedge Wren	0.1 (0.01)	0	0	-
Marsh Wren	0	0.3 (0.03)	0	-
Golden-crowned Kinglet	1.5 (0.17)	10.6 (0.96)	18 (1.30)	-
Ruby-crowned Kinglet	25.0 (2.89)	11.9 (1.08)	11 (0.79)	-
Blue-gray Gnatcatcher	1.8 (0.21)	1.0 (0.09)	1 (0.07)	-
Veery	6.0 (0.69)	6.3 (0.58)	10 (0.72)	-
Gray-cheeked Thrush	2.1 (0.24)	1.4 (0.13)	2 (0.14)	-
Swainson's Thrush	15.3 (1.77)	9.0 (0.82)	4 (0.29)	-
Hermit Thrush	12.7 (1.47)	15.4 (1.41)	19 (1.37)	-
Wood Thrush	1.5 (0.17)	1.3 (0.12)	0	-
American Robin	17.8 (2.06)	30.6 (2.78)	33 (2.38)	2009 (1) 2010 (1) 2011 (2) 2012 (4)
Gray Catbird	15.6 (1.81)	18.7 (1.70)	9 (0.65)	-
Brown Thrasher	1.3 (0.15)	1.0 (0.09)	0	-
European Starling	2.7 (0.31)	2.3 (0.21)	17¹ (1.23)	-
Cedar Waxwing	0.4 (0.05)	1.1 (0.10)	3 (0.22)	-
Blue-winged Warbler	0.3 (0.03)	0.8 (0.07)	0	-
Golden-winged Warbler	0.2 (0.02)	0.2 (0.02)	1 (0.07)	-
"Brewster's" Warbler	0.1 (0.01)	0.1 (0.01)	0	-
Tennessee Warbler	4.0 (0.46)	0.2 (0.02)	0	-
Orange-crowned Warbler	0.6 (0.07)	1.0 (0.09)	0	-
Nashville Warbler	3.7 (0.43)	5.0 (0.46)	1 (0.07)	-
Northern Parula	0.2 (0.02)	0.2 (0.02)	0	-
Yellow Warbler	26.4 (3.06)	36.6 (3.33)	44 (3.17)	2007 (1) 2008 (2) 2009 (5) 2011 (5) 2012 (7)
Chestnut-sided Warbler	6.9 (0.80)	3.0 (0.27)	4 (0.29)	-
Magnolia Warbler	26.4 (3.06)	14.3 (1.31)	18 (1.30)	-
Cape May Warbler	0.7 (0.08)	0	0	-
Black-throated Blue Warbler	3.4 (0.39)	2.0 (0.18)	0	-
Yellow-rumped Warbler	15.5 (1.79)	8.7 (0.79)	11 (0.79)	-
Black-throated Green Warbler	1.1 (0.13)	2.2 (0.20)	2 (0.14)	-
Blackburnian Warbler	0.8 (0.09)	0.7 (0.06)	0	-
Prairie Warbler	0	0.1 (0.01)	0	-
(Western) Palm Warbler	1.5 (0.17)	1.9 (0.18)	1 (0.07)	-

Table 5. Continued (page 3 of 4).

Species	1990-1999 Average	2004-2012 Average	2013 Totals	Returns
(Yellow) Palm Warbler	0.1 (0.01)	0.1 (0.01)	0	-
Bay-breasted Warbler	1.0 (0.12)	0	0	-
Blackpoll Warbler	0.5 (0.06)	0	0	-
Black-and-white Warbler	3.9 (0.45)	3.9 (0.35)	6 (0.43)	-
Hybrid Warbler (BAWWxGWWA?)	0	0.1 (0.01)	0	-
American Redstart	16.0 (1.85)	4.0 (0.36)	15 (1.08)	-
Worm-eating Warbler	0	0.1 (0.01)	0	-
Prothonotary Warbler	0.1 (0.01)	0	0	-
Ovenbird	7.4 (0.86)	8.2 (0.75)	11 (0.79)	-
Northern Waterthrush	7.1 (0.82)	10.1 (0.92)	9 (0.65)	-
Louisiana Waterthrush	0	0.1 (0.01)	0	-
Connecticut Warbler	0.2 (0.02)	0	0	-
Mourning Warbler	5.5 (0.64)	3.6 (0.32)	0	-
Common Yellowthroat	29.4 (3.40)	24.4 (2.23)	36 (2.60)	2009 (2) 2011 (5) 2012 (3)
Wilson's Warbler	13.5 (1.56)	9.9 (0.90)	4 (0.29)	-
Canada Warbler	6.9 (0.80)	4.4 (0.40)	1 (0.07)	-
Hooded Warbler	0.1 (0.01)	0.2 (0.02)	0	-
Yellow-breasted Chat	0.5 (0.06)	0.1 (0.01)	0	-
Scarlet Tanager	0.2 (0.02)	0.1 (0.01)	1² (0.07)	-
Northern Cardinal	5.3 (0.61)	6.3 (0.58)	7 (0.50)	2010 (1) 2011 (1) 2012 (1)
Rose-breasted Grosbeak	1.9 (0.20)	0.6 (0.05)	0	-
Indigo Bunting	0.6 (0.07)	0.7 (0.06)	2 (0.14)	-
Eastern Towhee	0.2 (0.02)	0.4 (0.04)	1 (0.07)	-
American Tree Sparrow	0.3 (0.03)	4.3 (0.39)	9 (0.65)	-
Clay-colored Sparrow	0	0.1 (0.01)	0	-
Field Sparrow	0.2 (0.02)	0.4 (0.04)	0	-
Savannah Sparrow	0.1 (0.01)	0.4 (0.04)	1² (0.07)	-
Fox Sparrow	0.1 (0.01)	3.4 (0.31)	3 (0.22)	-
Song Sparrow	11.8 (1.37)	19.4 (1.77)	25 (1.80)	2007 (1) 2008 (2) 2009 (1) 2011 (3) 2012 (8)
Lincoln's Sparrow	13.3 (1.54)	12.9 (1.17)	7 (0.50)	-
Swamp Sparrow	54.0 (6.25)	67.6 (6.15)	53 (3.82)	2012 (1)
White-throated Sparrow	36.4 (4.21)	67.1 (6.11)	21 (1.51)	-
White-crowned Sparrow	1.9 (0.22)	3.7 (0.33)	0	-
Dark-eyed Junco	0.1 (0.01)	1.0 (0.09)	0	-

Table 5. Continued (page 4 of 4).

Species	1990-1999 Average	2004-2012 Average	2013 Totals	Returns
Red-winged Blackbird	31.1 (3.60)	80.9 (7.37)	101 (7.28)	2008 (1) 2010 (2) 2011 (6) 2012 (3)
Rusty Blackbird	0.6 (0.07)	0.6 (0.05)	1 (0.07)	-
Common Grackle	7.8 (0.90)	20.1 (1.83)	18 (1.30)	2011 (1) 2012 (1)
Brown-headed Cowbird	5.9 (0.68)	7.7 (0.70)	9 (0.65)	-
Baltimore Oriole	4.9 (0.57)	9.8 (0.89)	10 (0.72)	2009 (1) 2011 (4) 2012 (1)
House Finch	1.6 (0.19)	0.9 (0.08)	0	-
American Goldfinch	24.7 (2.86)	43.1 (3.93)	111³ (8.00)	2009 (1) 2010 (8) 2011 (9) 2012 (24)
House Sparrow	0.5 (0.06)	0.2 (0.02)	0	-

Table 6. Breeding Evidence of Birds captured at Lake St. Clair Metropark in Spring 2013.
(BP=Brood Patch, CP=Cloacal Protuberance, 1=min., 3=max.)

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Mourning Dove	AHY-F	1693-47938	07-Jun-13	-	BP=1	F
Ruby-throated Hummingbird	AHY-F	J-03242	07-Jun-13	-	BP=2	W
Ruby-throated Hummingbird	AHY-F	J-03243	07-Jun-13	-	BP=2	F
Ruby-throated Hummingbird	AHY-F	J-03244	07-Jun-13	-	BP=2	F
Ruby-throated Hummingbird	AHY-F	J-03246	08-Jun-13	-	BP=2	F
Red-bellied Woodpecker	SY-F	1352-36549	18-May-13	-	BP=2	W
Downy Woodpecker	SY-M	2571-96065	29-Sep-12	11-May-13 13-May-13	BP=2 -	W -
Downy Woodpecker	SY-M	2571-96291	20-Oct-12	18-May-13	BP=3	SW
Downy Woodpecker	SY-M	2571-96445	06-Apr-13	17-Apr-13 24-May-13	- BP=3	U U
Downy Woodpecker	SY-M	2571-96542	18-May-13	-	BP=3	U
Downy Woodpecker	SY-M	2571-96562	30-May-13	-	BP=3	SW
Downy Woodpecker	SY-F	2571-96290	20-Oct-12	20-Apr-13 27-Apr-13 18-May-13	- - BP=3	U SW U
Downy Woodpecker	SY-F	2571-96496	04-May-13	-	BP=3	U
Downy Woodpecker	SY-F	2571-96497	04-May-13	-	BP=2	U
Downy Woodpecker	SY-F	2571-96527	13-May-13	-	BP=3, egg	W
Downy Woodpecker	SY-F	2571-96554	24-May-13	-	BP=3, egg	SW
Hairy Woodpecker	ASY-M	1232-43453	18-Oct-08	30-Apr-13	BP=2	U
Hairy Woodpecker	SY-F	1342-38574	27-Apr-13	-	BP=2	U
Hairy Woodpecker	SY-F	1342-38600	30-Apr-13	-	BP=2	U
Northern Flicker	SY-F	1603-53368	11-May-13	-	BP=3	U
Tree Swallow	AHY-M	2521-40974	17-Apr-13	-	CP=2	U
Tree Swallow	AHY-M	2591-24347	04-May-13	-	CP=3	U
Tree Swallow	AHY-M	2591-24348	04-May-13	-	CP=3	U
Tree Swallow	AHY-M	2591-24349	04-May-13	-	CP=3	U
Tree Swallow	AHY-M	2591-24391	13-May-13	-	CP=3	F
Tree Swallow	AHY-M	2591-24441	24-May-13	-	CP=3	U
Tree Swallow	SY-F	2591-24474	07-Jun-13	-	BP=3	F
N. Rough-winged Swallow	AHY-M	2700-01925	07-Jun-13	-	CP=3	F
N. Rough-winged Swallow	AHY-M	2700-01926	07-Jun-13	-	CP=2	F
N. Rough-winged Swallow	AHY-M	2700-01932	08-Jun-13	-	CP=3	F
N. Rough-winged Swallow	AHY-M	2700-01920	07-Jun-13	-	CP=2	F
N. Rough-winged Swallow	SY-M	2660-28299	24-May-13	-	CP=2	FE
N. Rough-winged Swallow	AHY-F	2700-01903	24-May-13	-	BP=3	U
N. Rough-winged Swallow	AHY-F	2700-01923	07-Jun-13	-	BP=3	F
N. Rough-winged Swallow	AHY-F	2700-01924	07-Jun-13	-	BP=3	F
N. Rough-winged Swallow	AHY-F	2700-01934	08-Jun-13	-	BP=3, egg	F
Black-capped Chickadee	AHY-F	2660-28172	17-Apr-13	20-Apr-13 30-Apr-13 07-Jun-13	- - BP=3, egg	U W SW
Black-capped Chickadee	AHY-F	2660-28173	20-Apr-13	07-Jun-13	-/BP=3	F/U

Table 6. Continued (page 2 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Carolina Wren	AHY-M	2551-65248	23-Aug-12	14-Apr-13 13-May-13	- CP=2	W U
Carolina Wren	HY-U	2571-96524	13-May-13	-	HY-U	W
Carolina Wren	HY-U	2571-96526	13-May-13	-	HY-U	W
Carolina Wren	HY-U	2571-96560	27-May-13	-	HY-U	SW
Carolina Wren	HY-U	2571-96561	27-May-13	-	HY-U	W
House Wren	AHY-M	2700-01928	07-Jun-13	-	CP=2	U
American Robin	AHY-M	1232-43615	23-May-09	13-May-13	CP=3	-/W
American Robin	AHY-M	1292-72706	13-Apr-11	30-May-13	CP=3	-/W
American Robin	AHY-M	1292-72932	14-Apr-12	30-May-13	CP=3	-/U
American Robin	AHY-M	1342-38558	20-Apr-13	23-May-13	CP=3	U/U
American Robin	AHY-M	1342-38560	20-Apr-13	-	CP=3	U
American Robin	AHY-M	1342-38563	20-Apr-13	11-May-13	-/CP=3	F/W
American Robin	AHY-M	1342-38579	27-Apr-13	-	CP=3	SW
American Robin	AHY-M	1352-36510	04-May-13	-	CP=3	F
American Robin	AHY-M	1352-36532	11-May-13	-	CP=3	W
American Robin	AHY-M	1352-36533	11-May-13	-	CP=3	U
American Robin	AHY-M	1352-36564	24-May-13	-	CP=3	U
American Robin	AHY-M	1352-36570	30-May-13	-	CP=3	F
American Robin	AHY-M	1352-36578	07-Jun-13	-	CP=3	SW
American Robin	AHY-M	1352-36588	07-Jun-13	-	CP=3	U
American Robin	AHY-M	1352-36597	08-Jun-13	-	CP=3	SW
American Robin	AHY-F	1292-72592	28-May-10	18-May-13	BP=3	-/SW
American Robin	AHY-F	1292-72711	22-Apr-11	18-May-13 24-May-13	BP=3 BP=3	-/W SW
American Robin	AHY-F	1342-38561	20-Apr-13	11-May-13	BP=3, egg	U/U
American Robin	AHY-F	1342-38590	30-Apr-13	-	BP=2	W
American Robin	AHY-F	1352-36555	18-May-13	-	BP=3	SW
American Robin	AHY-F	1352-36566	27-May-13	-	BP=3	F
American Robin	AHY-F	1352-36567	30-May-13	-	BP=3	SW
American Robin	AHY-F	1352-36574	07-Jun-13	-	BP=3	U
American Robin	AHY-F	1352-36575	07-Jun-13	-	BP=3	F
American Robin	AHY-F	1352-36596	08-Jun-13	-	BP=3, egg	SW
American Robin	SY-F	1342-38551	17-Apr-13	27-Apr-13 08-Jun-13	BP=2 BP=3	SW/SW SW
American Robin	SY-F	1352-36561	23-May-13	07-Jun-13	-/BP=3	W/U
American Robin	SY-F	1342-38580	27-Apr-13	-	BP=2	SW
American Robin	SY-F	1352-36508	04-May-13	-	BP=2	U
American Robin	SY-F	1352-36534	11-May-13	-	BP=3	U
American Robin	SY-F	1352-36561	23-May-13	-	BP=3	W
American Robin	HY-U	1352-36576	07-Jun-13	-	HY-U	W
American Robin	HY-U	1352-36594	07-Jun-13	-	HY-U	FE
American Robin	HY-U	1352-36595	08-Jun-13	-	HY-U	F
European Starling	ASY-M	1352-36598	08-Jun-13	-	CP=3	U
European Starling	AHY-M	1352-36571	30-May-13	-	CP=2	F
European Starling	AHY-F	1352-36536	13-May-13	-	BP=3, egg	FE
European Starling	AHY-F	1352-36551	18-May-13	-	BP=3	SW

Table 6. Continued (page 3 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
European Starling	AHY-F	1352-36552	18-May-13	-	BP=3	F
European Starling	AHY-F	1352-36563	24-May-13	-	BP=3	F
European Starling	AHY-F	1352-36572	30-May-13	-	BP=3, egg	F
European Starling	HY-U	1352-36585	07-Jun-13	-	HY-U	U
European Starling	HY-U	1352-36586	07-Jun-13	-	HY-U	U
European Starling	HY-U	1352-36591	07-Jun-13	-	HY-U	SW
European Starling	HY-U	1352-36592	07-Jun-13	-	HY-U	F
European Starling	HY-U	1352-36600	08-Jun-13	-	HY-U	U
Yellow Warbler	ASY-M	2360-85702	29-Jul-07	30-Apr-13	CP=2	-/F
Yellow Warbler	ASY-M	2360-85976	21-May-08	30-May-13	CP=3	-/F
Yellow Warbler	ASY-M	2540-26632	02-May-09	27-May-13 30-May-13	CP=3 CP=3	-/F F
Yellow Warbler	ASY-M	2540-26659	08-May-09	04-May-13 27-May-13	CP=2 CP=3	-/U U
Yellow Warbler	ASY-M	2560-75059	06-Jun-09	04-May-13 23-May-13 27-May-13 08-Jun-13	- CP=3 - CP=3	-/FE FE F FE
Yellow Warbler	ASY-M	2610-05511	14-May-11	11-May-13 13-May-13 24-May-13	- - B=2, egg	-/W W W
Yellow Warbler	ASY-M	2610-05548	28-May-11	07-Jun-13	CP=3	-/F
Yellow Warbler	ASY-M	2610-05549	28-May-11	30-May-13	CP=3	-/FE
Yellow Warbler	ASY-M	2610-05872	05-May-12	11-May-13	CP=3	-/SW
Yellow Warbler	ASY-M	2610-05881	06-May-12	11-May-13 13-May-13	CP=3 CP=3	-/U U
Yellow Warbler	ASY-M	2610-05917	12-May-12	04-May-13	CP=3	-/U
Yellow Warbler	ASY-M	2610-05940	14-May-12	08-Jun-13	CP=3	-/W
Yellow Warbler	ASY-M	2610-05960	19-May-12	23-May-13	CP=3	-/F
Yellow Warbler	ASY-M	2610-05977	24-May-12	24-May-13	CP=3	-/F
Yellow Warbler	ASY-M	2660-28196	04-May-13	11-May-13	CP=2 CP=3	U U
Yellow Warbler	ASY-M	2660-28202	04-May-13	-	CP=3	F
Yellow Warbler	ASY-M	2660-28219	11-May-13	-	CP=2	SW
Yellow Warbler	ASY-M	2660-28271	18-May-13	-	CP=2	SW
Yellow Warbler	ASY-M	2700-01907	27-May-13	-	CP=3	F
Yellow Warbler	ASY-M	2700-01916	30-May-13	-	CP=3	F
Yellow Warbler	ASY-M	2700-01927	07-Jun-13	-	CP=2	F
Yellow Warbler	AHY-M	2660-28234	13-May-13	-	CP=3	SW
Yellow Warbler	SY-M	2660-28194	04-May-13	-	CP=3	F
Yellow Warbler	SY-M	2660-28195	04-May-13	-	CP=2	U
Yellow Warbler	SY-M	2660-28220	11-May-13	13-May-13	CP=3 CP=3	SW SW
Yellow Warbler	SY-M	2660-28222	11-May-13	-	CP=3	W
Yellow Warbler	SY-M	2660-28224	11-May-13	-	CP=2	U
Yellow Warbler	SY-M	2660-28226	13-May-13	-	CP=3	FE
Yellow Warbler	SY-M	2660-28258	18-May-13	24-May-13	-/CP=3	FE/F

Table 6. Continued (page 4 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Yellow Warbler	SY-M	2660-28272	18-May-13	-	CP=2	SW
Yellow Warbler	SY-M	2660-28287	24-May-13	-	CP=3	U
Yellow Warbler	SY-M	2660-28288	24-May-13	30-May-13	CP=3 CP=3	U U
Yellow Warbler	SY-M	2700-01910	27-May-13	-	CP=3	U
Yellow Warbler	SY-M	2700-01912	27-May-13	-	CP=3	F
Yellow Warbler	SY-M	2700-01917	30-May-13	-	CP=3	F
Yellow Warbler	SY-M	2700-01918	07-Jun-13	-	CP=3	F
Yellow Warbler	SY-M	2700-01930	08-Jun-13	-	CP=3	F
Yellow Warbler	SY-M	2700-01931	08-Jun-13	-	CP=3	F
Yellow Warbler	ASY-F	2360-85881	09-May-08	18-May-13 07-Jun-13	- BP=3, egg	-/F FE
Yellow Warbler	SY-F	2660-28296	24-May-13	-	BP=2, egg	F
Common Yellowthroat	ASY-M	2700-01933	08-Jun-13	-	CP=3	F
Common Yellowthroat	ASY-M	2660-27861	01-Sep-12	23-May-13 24-May-13	- CP=3	-/U U
Common Yellowthroat	AHY-M	2560-75114	13-Aug-09	11-May-13 18-May-13 24-May-13	- - CP=3	-/FE W F
Common Yellowthroat	AHY-M	2560-75270	17-Sep-09	04-May-13 11-May-13 18-May-13 08-Jun-13	- CP=2 - CP=3	-/F F FE F
Common Yellowthroat	AHY-M	2660-28215	11-May-13	-	CP=2	U
Common Yellowthroat	AHY-M	2610-05626	26-Aug-11	11-May-13 30-May-13	- CP=3	-/U U
Common Yellowthroat	SY-M	2610-05618	21-Aug-11	08-Jun-13	CP=3	-/F
Common Yellowthroat	SY-M	2700-01908	27-May-13	30-May-13 08-Jun-13	-/CP=2 CP=2	U/U U
Common Yellowthroat	SY-F	2700-01922	07-Jun-13	-	BP=2, egg	W
Song Sparrow	ASY-M	2281-10323	14-Sep-07	13-Apr-13 20-Apr-13 07-Jun-13	- - CP=3	-/W W W
Song Sparrow	ASY-M	2281-10739	13-Aug-08	17-Apr-13 20-Apr-13 27-May-13 07-Jun-13	CP=2 CP=2 CP=3 CP=3	-/F F F FE
Song Sparrow	ASY-M	2281-10870	26-Sep-08	07-Jun-13	CP=3	-/FE
Song Sparrow	ASY-M	2551-24428	21-Aug-11	20-Apr-13 18-May-13 24-May-13 30-May-13 07-Jun-13	- BP=3 BP=3 BP=3 BP=3	-/F F F F F
Song Sparrow	ASY-M	2551-24480	24-Sep-11	30-Apr-13 11-May-13	CP=3 CP=3	-/U U
Song Sparrow	ASY-M	2551-64945	24-Oct-11	23-May-13	CP=3	-/U
Song Sparrow	ASY-M	2551-65225	12-Aug-12	27-Apr-13	CP=2	-/F

Table 6. Continued (page 5 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Song Sparrow	ASY-M	2571-96451	17-Apr-13	-	CP=2	SW
Song Sparrow	ASY-M	2571-96459	17-Apr-13	-	CP=2	F
Song Sparrow	ASY-M	2571-96490	27-Apr-13	-	CP=2	F
Song Sparrow	ASY-M	2571-96514	11-May-13	13-May-13 24-May-13 07-Jun-13	CP=3 CP=3 CP=3	W/W U W
Song Sparrow	ASY-M	2571-96564	07-Jun-13	-	CP=3	F
Song Sparrow	ASY-M	2571-96565	07-Jun-13	-	CP=3	F
Song Sparrow	ASY-M	2571-96567	07-Jun-13	-	CP=3	F
Song Sparrow	ASY-M	2571-96570	07-Jun-13	-	CP=3	U
Song Sparrow	AHY-M	2551-65220	09-Aug-12	06-Apr-13 27-May-13 07-Jun-13	- CP=3 CP=3	-/FE FE FE
Song Sparrow	AHY-M	2551-65300	09-Sep-12	06-Apr-13 13-May-13 08-Jun-13	- CP=3 CP=3	-/W U W
Song Sparrow	AHY-M	2571-96165	06-Oct-12	30-May-13 08-Jun-13	CP=3 CP=3	-/F FE
Song Sparrow	AHY-M	2571-96473	20-Apr-13	-	CP=2	W
Song Sparrow	AHY-M	2571-96546	18-May-13	-	CP=3	F
Song Sparrow	AHY-M	2571-96572	08-Jun-13	-	CP=3	SW
Song Sparrow	AHY-M	2571-96573	08-Jun-13	-	CP=3	F
Song Sparrow	SY-M	2551-65242	19-Aug-12	17-Apr-13 20-Apr-13	CP=2 CP=2	-/F F
Song Sparrow	SY-M	2551-65255	28-Aug-12	20-Apr-13 27-Apr-13 04-May-13 11-May-13 13-May-13	- CP=2 CP=2 CP=3 CP=2	-/U U U U U
Song Sparrow	SY-M	2571-96556	24-May-13	-	CP=2	U
Song Sparrow	SY-M	2571-96566	07-Jun-13	-	CP=3	F
Song Sparrow	ASY-F	2571-96472	20-Apr-13	13-May-13 18-May-13	-/BP=3 BP=3	U/U U
Song Sparrow	AHY-F	2551-65215	02-Jun-12	20-Apr-13 18-May-13	- BP=2	-/U U
Song Sparrow	SY-F	2571-96091	04-Oct-12	17-Apr-13 27-May-13	- BP=3	-/F FE
Song Sparrow	SY-F	2571-96513	11-May-13	-	BP=3	FE
Song Sparrow	SY-F	2571-96515	11-May-13	13-May-13	BP=2, egg BP=2, egg	W W
Song Sparrow	SY-F	2571-96571	07-Jun-13	-	BP=3	F
Swamp Sparrow	ASY-M	2521-40246	09-Sep-12	30-May-13	CP=3	-/F
Swamp Sparrow	ASY-M	2591-24473	07-Jun-13	-	CP=2	F
Swamp Sparrow	ASY-M	2591-24473	07-Jun-13	08-Jun-13	CP=2	F/SW
Swamp Sparrow	AHY-M	2521-40976	17-Apr-13	30-May-13	CP=3	U/F
Swamp Sparrow	AHY-M	2591-24301	27-Apr-13	-	CP=2	F
Swamp Sparrow	AHY-M	2591-24333	30-Apr-13	-	CP=2	FE

Table 6. Continued (page 6 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Swamp Sparrow	AHY-M	2591-24339	30-Apr-13	-	CP=2	F
Swamp Sparrow	SY-M	2521-40985	17-Apr-13	-	CP=2	W
Swamp Sparrow	SY-M	2521-40986	17-Apr-13	-	CP=2	F
Swamp Sparrow	SY-M	2521-40987	17-Apr-13	27-Apr-13	-/CP=2	F/W
Swamp Sparrow	SY-M	2591-24306	27-Apr-13	-	CP=2	U
Swamp Sparrow	SY-M	2591-24393	13-May-13	-	CP=3	F
Swamp Sparrow	SY-M	2591-24461	30-May-13	-	CP=3	U
Swamp Sparrow	SY-M	2591-24470	07-Jun-13	-	CP=3	U
Swamp Sparrow	SY-F	2591-24477	08-Jun-13	-	BP=3	
Northern Cardinal	AHY-F	1292-72832	18-Aug-11	13-May-13	BP=3, egg	-/F
Northern Cardinal	AHY-F	1342-38587	30-Apr-13	23-May-13	BP=2, egg	F/U
Indigo Bunting	SY-M	2591-24471	07-Jun-13	-	CP=2	W
Red-winged Blackbird	ASY-M	1342-38572	27-Apr-13	-	CP=2	SW
Red-winged Blackbird	ASY-M	1342-38576	27-Apr-13	-	CP=2	SW
Red-winged Blackbird	ASY-M	1342-38596	30-Apr-13	-	CP=2	U
Red-winged Blackbird	ASY-M	1352-36579	07-Jun-13	-	CP=2	SW
Red-winged Blackbird	ASY-M	1352-36602	08-Jun-13	-	CP=3	SW
Red-winged Blackbird	SY-M	1352-36568	30-May-13	-	CP=2	SW
Red-winged Blackbird	SY-M	1352-36577	07-Jun-13	-	CP=1	SW
Red-winged Blackbird	SY-M	1352-36581	07-Jun-13	-	CP=2	SW
Red-winged Blackbird	SY-M	1352-36582	07-Jun-13	-	CP=2	W
Red-winged Blackbird	SY-M	1352-36593	07-Jun-13	-	CP=1	U
Red-winged Blackbird	SY-M	1352-36601	08-Jun-13	-	CP=2	SW
Red-winged Blackbird	SY-M	1342-38575	27-Apr-13	23-May-13	CP=2	SW/F
Red-winged Blackbird	SY-M	1352-36537	13-May-13	30-May-13	CP=2	W/SW
Red-winged Blackbird	ASY-F	1991-65256	16-Apr-08	30-May-13	BP=3	-/FE
Red-winged Blackbird	ASY-F	2411-54918	20-May-10	30-May-13	BP=3	-/U
Red-winged Blackbird	ASY-F	2411-55102	28-May-11	27-May-13	BP=3	-/U
Red-winged Blackbird	ASY-F	2411-55113	02-Jun-11	08-Jun-13	BP=3	-/U
Red-winged Blackbird	ASY-F	2411-55115	02-Jun-11	08-Jun-13	BP=2	-/SW
Red-winged Blackbird	ASY-F	2411-55383	13-Apr-13	07-Jun-13	BP=3	SW/W
Red-winged Blackbird	ASY-F	2561-68232	23-May-13	-	BP=3	U
Red-winged Blackbird	ASY-F	2561-68237	24-May-13	-	BP=3	U
Red-winged Blackbird	ASY-F	2561-68240	27-May-13	-	BP=3	U
Red-winged Blackbird	ASY-F	2561-68241	27-May-13	-	BP=3	U
Red-winged Blackbird	ASY-F	2561-68243	30-May-13	07-Jun-13	BP=3	U/U
Red-winged Blackbird	ASY-F	2561-68248	07-Jun-13	-	BP=3	SW
Red-winged Blackbird	ASY-F	2561-68249	07-Jun-13	08-Jun-13	BP=3	U/U
Red-winged Blackbird	ASY-F	2561-68250	07-Jun-13	-	BP=3	SW
Red-winged Blackbird	ASY-F	2561-68253	07-Jun-13	-	BP=3	SW
Red-winged Blackbird	ASY-F	2561-68255	07-Jun-13	-	BP=3	U
Red-winged Blackbird	ASY-F	2561-68258	08-Jun-13	-	BP=3	U
Red-winged Blackbird	ASY-F	2561-68260	08-Jun-13	-	BP=3, egg	U
Red-winged Blackbird	ASY-F	2561-68262	08-Jun-13	-	BP=3	U
Red-winged Blackbird	SY-F	2411-55396	04-May-13	24-May-13	BP=3	F/U
Red-winged Blackbird	SY-F	2561-68209	11-May-13	30-May-13	BP=3	F/F
Red-winged Blackbird	SY-F	2561-68238	24-May-13	-	BP=3	SW

Table 6. Continued (page 7 of 7).

Species	Age/Sex	Band No.	Date Banded	Date(s) Recaptured	Breeding Evidence Observed	Loc
Red-winged Blackbird	SY-F	2561-68245	30-May-13	07-Jun-13	BP=3	W/U
Red-winged Blackbird	SY-F	2561-68246	07-Jun-13	-	BP=3	W
Red-winged Blackbird	SY-F	2561-68247	07-Jun-13	08-Jun-13	BP=3	U/U
Red-winged Blackbird	SY-F	2561-68251	07-Jun-13	-	BP=3, egg	U
Red-winged Blackbird	SY-F	2561-68252	07-Jun-13	-	BP=3	SW
Red-winged Blackbird	SY-F	2561-68254	07-Jun-13	-	BP=3	SW
Red-winged Blackbird	SY-F	2561-68256	07-Jun-13	-	BP=3, egg	SW
Red-winged Blackbird	SY-F	2561-68261	08-Jun-13	-	BP=3	U
Red-winged Blackbird	SY-F	2561-68263	08-Jun-13	-	BP=3	SW
Common Grackle	ASY-M	1603-53363	27-Apr-13	-	CP=2	U
Common Grackle	ASY-M	1603-53379	07-Jun-13	-	CP=3	SW
Common Grackle	SY-M	1603-53383	07-Jun-13	-	CP=2	FE
Common Grackle	SY-M	1603-53385	08-Jun-13	-	CP=3	SW
Common Grackle	ASY-F	1603-41675	14-May-11	13-May-13	BP=3	-/W
Common Grackle	ASY-F	1603-53352	31-May-12	13-May-13	BP=3	-/SW
Common Grackle	ASY-F	1603-53378	30-May-13	-	BP=3	U
Common Grackle	ASY-F	1603-53380	07-Jun-13	-	BP=3	U
Common Grackle	SY-F	1603-53364	27-Apr-13	-	BP=2	SW
Common Grackle	SY-F	1603-53365	30-Apr-13	-	BP=2	SW
Common Grackle	SY-F	1603-53369	13-May-13	-	BP=3	SW
Common Grackle	SY-F	1603-53371	13-May-13	-	BP=3	SW
Common Grackle	SY-F	1603-53376	18-May-13	-	BP=3, egg	W
Common Grackle	SY-F	1603-53377	27-May-13	-	BP=3, egg	U
Common Grackle	SY-F	1603-53382	07-Jun-13	-	BP=3	SW
Brown-headed Cowbird	ASY-F	2571-96511	11-May-13	27-May-13	Egg	U/U
Brown-headed Cowbird	ASY-F	2571-96553	24-May-13	07-Jun-13	Egg	U/U
Brown-headed Cowbird	SY-F	2571-96574	08-Jun-13	-	Egg	F
Baltimore Oriole	ASY-M	2561-68234	24-May-13	-	CP=2	F
Baltimore Oriole	ASY-M	2561-68236	24-May-13	-	CP=2	FE
Baltimore Oriole	ASY-M	2561-68239	24-May-13	-	CP=2	F
Baltimore Oriole	SY-M	2561-68244	30-May-13	07-Jun-13	CP=3	F/SW
Baltimore Oriole	SY-M	2561-68259	08-Jun-13	-	CP=2	F
Baltimore Oriole	ASY-F	2231-53508	05-Jun-09	07-Jun-13	BP=3, egg	-/U
Baltimore Oriole	ASY-F	2411-55067	14-May-11	27-May-13	BP=2	-/FE

Table 7. Returning birds banded in 2007.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Black-capped Chickadee	2360-85770	09-Sep-07	HY-U	20-Apr-13	7Y-F	F
Yellow Warbler	2360-85702	29-Jul-07	HY-U	30-Apr-13	7Y-M	F
Song Sparrow	2281-10323	24-Sep-07	AHY-U	13-Apr-13 20-Apr-13 07-Jun-13	A7Y-M	W W W

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

Table 8. Returning birds banded in 2008.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Hairy Woodpecker	1232-43453	18-Oct-08	HY-M	30-Apr-13	6Y-M	U
Yellow Warbler	2360-85881	09-May-08	SY-F	18-May-13 07-Jun-13	7Y-F	F FE
Yellow Warbler	2360-85976	21-May-08	AHY-M	30-May-13	A6Y-M	F
Song Sparrow	2281-10739	13-Aug-08	HY-U	17-Apr-13 20-Apr-13 27-May-13 07-Jun-13	6Y-M	F F F FE
Song Sparrow	2281-10870	28-Sep-08	AHY-U	07-Jun-13	A6Y-M	FE
Red-winged Blackbird	1991-65256	16-Apr-08	ASY-F	30-May-13	A7Y-F	FE

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

Table 9. Returning birds banded in 2009.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Eastern Wood-Pewee	2560-75161	23-Aug-09	AHY-F	24-May-13	A5Y-F	-
American Robin	1232-43615	23-May-09	AHY-M	13-May-13	A5Y-M	W
Yellow Warbler	2540-26632	02-May-09	SY-M	27-May-13 30-May-13	6Y-M	F F
Yellow Warbler	2540-26659	08-May-09	SY-M	04-May-13 27-May-13	6Y-M	U U
Yellow Warbler	2560-75059	06-Jun-09	SY-M	04-May-13 23-May-13 27-May-13 08-Jun-13	6Y-M	FE FE F FE
Yellow Warbler	2560-75067	06-Jun-09	SY-F	11-May-13	6Y-F	SW
Yellow Warbler	2560-75071	06-Jun-09	SY-M	30-Apr-13	6Y-M	U
Common Yellowthroat	2560-75114	13-Aug-09	HY-U	11-May-13 18-May-13 24-May-13	5Y-M	FE W F
Common Yellowthroat	2560-75270	17-Sep-09	HY-M	04-May-13 11-May-13 18-May-13 08-Jun-13	5Y-M	F F FE F
Song Sparrow	2431-38269	25-Sep-09	HY-U	27-May-13	5Y-F	FE
Baltimore Oriole	2231-53508	05-Jun-09	SY-F	07-Jun-13	6Y-F	U
American Goldfinch	2401-00567	28-Oct-09	HY-M	20-Apr-13	5Y-M	F

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

Table 10. Returning birds banded in 2010.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Ruby-throated Hummingbird	L-14845	18-Aug-10	HY-F	23-May-13	4Y-F	U
American Robin	1292-72592	28-May-10	AHY-F	18-May-13	A4Y-F	SW
Northern Cardinal	1292-72538	10-Apr-10	SY-M	17-Apr-13	5Y-M	F
Red-winged Blackbird	2411-54918	20-May-10	SY-F	30-May-13	5Y-F	U
Red-winged Blackbird	2411-54964	04-Jun-10	SY-F	30-Apr-13	5Y-F	SW
American Goldfinch	2401-00778	09-Apr-10	SY-F	17-Apr-13 20-Apr-13	5Y-F	F F
American Goldfinch	2401-00792	13-Apr-10	SY-F	27-Apr-13	5Y-F	F
American Goldfinch	2401-00795	16-Apr-10	SY-F	24-May-13	5Y-F	F
American Goldfinch	2401-00951	27-Aug-10	AHY-M	17-Apr-13	A4Y-M	F
American Goldfinch	2401-00956	27-Aug-10	HY-M	13-May-13	4Y-M	F
American Goldfinch	2401-44512	28-Aug-10	HY-M	04-May-13	4Y-M	F
American Goldfinch	2401-44569	02-Sep-10	HY-M	11-May-13	4Y-M	F
American Goldfinch	2401-44769	18-Sep-10	HY-F	20-Apr-13	4Y-F	F

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

Table 11. Returning birds banded in 2011.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Black-capped Chickadee	2610-05676	09-Sep-11	HY-U	27-Apr-13	3Y-U	FE
American Robin	1292-72706	13-Apr-11	AHY-M	30-May-13	A3Y-M	W
American Robin	1292-72711	22-Apr-11	SY-F	18-May-13 24-May-13	4Y-F	W SW
Yellow Warbler	2610-05472	07-May-11	SY-F	04-May-13 11-May-13	4Y-F	F
Yellow Warbler	2610-05510	14-May-11	SY-F	18-May-13	4Y-F	F
Yellow Warbler	2610-05511	14-May-11	SY-F	11-May-13 13-May-13 24-May-13	4Y-F	W W W
Yellow Warbler	2610-05548	28-May-11	ASY-M	07-Jun-13	A4Y-M	F
Yellow Warbler	2610-05549	28-May-11	SY-M	30-May-13	4Y-M	FE
Common Yellowthroat	2610-05567	10-Aug-11	HY-U	30-Apr-13 13-May-13 23-May-13 08-Jun-13	3Y-M	W F F F
Common Yellowthroat	2610-05618	21-Aug-11	HY-U	08-Jun-13	3Y-M	U
Common Yellowthroat	2610-05624	26-Aug-11	HY-U	23-May-13	3Y-M	W
Common Yellowthroat	2610-05626	26-Aug-11	AHY-M	11-May-13 30-May-13	A3Y-M	U U
Common Yellowthroat	2610-05671	09-Sep-11	AHY-F	24-May-13 27-May-13 30-May-13	A3Y-F	FE FE F
Song Sparrow	2551-24428	21-Aug-11	HY-U	20-Apr-13 18-May-13 24-May-13 30-May-13 07-Jun-13	3Y-F	F F F F F
Song Sparrow	2551-24480	24-Sep-11	AHY-U	30-Apr-13 11-May-13	A3Y-M	U U
Song Sparrow	2551-64945	24-Oct-11	HY-U	23-May-13	3Y-M	U
Northern Cardinal	1292-72832	18-Aug-11	HY-F	13-May-13	3Y-F	F
Red-winged Blackbird	1292-72701	09-Apr-11	ASY-M	20-Apr-13	A4Y-M	W
Red-winged Blackbird	1292-72708	13-Apr-11	SY-M	11-May-13	4Y-M	SW
Red-winged Blackbird	1292-72796	28-May-11	ASY-M	27-May-13	A4Y-M	U
Red-winged Blackbird	2411-55102	28-May-11	ASY-F	27-May-13	A4Y-F	U
Red-winged Blackbird	2411-55113	02-Jun-11	SY-F	08-Jun-13	4Y-F	U
Red-winged Blackbird	2411-55115	02-Jun-11	ASY-F	08-Jun-13	A4Y-F	SW
Common Grackle	1603-41675	14-May-11	SY-F	13-May-13	4Y-F	W
Baltimore Oriole	2411-55060	14-May-11	SY-M	13-May-13	4Y-M	FE
Baltimore Oriole	2411-55067	14-May-11	ASY-F	27-May-13	A4Y-F	FE
Baltimore Oriole	2411-55121	10-Aug-11	HY-F	18-May-13	3Y-F	FE
Baltimore Oriole	2411-55122	10-Aug-11	AHY-F	24-May-13	A3Y-F	F
American Goldfinch	2511-29348	09-Apr-11	SY-M	30-Apr-13	4Y-M	F
American Goldfinch	2511-29354	09-Apr-11	SY-F	24-May-13	4Y-F	F

Table 11. Continued (page 2 of 2).

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
American Goldfinch	2511-29372	23-Apr-11	ASY-M	27-May-13	A4Y-M	F
American Goldfinch	2511-29493	08-May-11	SY-F	11-May-13	4Y-F	F
American Goldfinch	2511-56018	14-May-11	SY-M	27-May-13	4Y-M	F
American Goldfinch	2511-56102	15-Aug-11	AHY-M	13-Apr-13	A3Y-M	F
American Goldfinch	2511-56115	18-Aug-11	AHY-F	24-May-13 08-Jun-13	A3Y-F	F U
American Goldfinch	2511-56220	05-Sep-11	HY-F	23-May-13	3Y-F	FE
American Goldfinch	2511-56333	14-Sep-11	HY-M	13-May-13	3Y-M	F

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

Table 12. Returning birds banded in 2012.

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Downy Woodpecker	2551-65206	26-May-12	SY-F	18-May-13	3Y-F	F
Downy Woodpecker	2571-96065	29-Sep-12	HY-M	11-May-13 13-May-13	SY-F	W -
Downy Woodpecker	2571-96290	20-Oct-12	HY-F	20-Apr-13 27-Apr-13 18-May-13	SY-F	U SW U
Downy Woodpecker	2571-96291	20-Oct-12	HY-M	18-May-13	SY-M	SW
Eastern Wood-Pewee	2660-27826	09-Aug-12	AHY-U	18-May-13	ASY-U	F
“Traill’s” Flycatcher	2610-05976	24-May-12	AHY-U	30-May-13 07-Jun-13	ASY-U	F FE
Black-capped Chickadee	2660-27999	06-Oct-12	AHY-U	13-Apr-13	ASY-U	F
Black-capped Chickadee	2660-28036	20-Oct-12	HY-U	13-Apr-13 17-Apr-13	SY-U	W U
Black-capped Chickadee	2660-28108	01-Nov-12	HY-U	04-May-13	SY-U	W
Carolina Wren	2551-65248	23-Aug-12	AHY-U	13-Apr-13 13-May-13	ASY-M	W U
American Robin	1292-72888	07-Apr-12	AHY-M	17-Apr-13	ASY-M	SW
American Robin	1292-72892	07-Apr-12	SY-F	17-Apr-13 04-May-13	3Y-F	U U
American Robin	1292-72921	12-Apr-12	AHY-F	17-Apr-13	ASY-F	SW
American Robin	1292-72932	14-Apr-12	AHY-M	30-May-13	ASY-F	U
Yellow Warbler	2610-05872	05-May-12	SY-M	11-May-13	3Y-M	SW
Yellow Warbler	2610-05881	06-May-12	SY-M	11-May-13 13-May-13	3Y-M	U U
Yellow Warbler	2610-05917	12-May-12	SY-M	04-May-13	3Y-M	U
Yellow Warbler	2610-05932	12-May-12	SY-F	11-May-13 13-May-13	3Y-F	F U
Yellow Warbler	2610-05940	14-May-12	ASY-M	08-Jun-13	A3Y-M	W
Yellow Warbler	2610-05960	19-May-12	ASY-M	23-May-13	A3Y-M	F
Yellow Warbler	2610-05977	24-May-12	SY-M	24-May-13	3Y-M	F
Common Yellowthroat	2610-05941	14-May-12	AHY-F	27-May-13	ASY-F	U

Table 12. Continued (page 2 of 3).

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
Common Yellowthroat	2610-27861	01-Sep-12	AHY-M	23-May-13 24-May-13	ASY-M	U U
Common Yellowthroat	2660-27886	06-Sep-12	HY-M	13-May-13	SY-M	SW
Song Sparrow	2551-65215	02-Jun-12	AHY-F	20-Apr-13 18-May-13	ASY-F	U U
Song Sparrow	2551-65220	09-Aug-12	HY-U	06-Apr-13 27-May-13 07-Jun-13	SY-U SY-M	FE FE FE
Song Sparrow	2551-65225	12-Aug-12	HY-U	27-Apr-13	SY-M	F
Song Sparrow	2551-65242	19-Aug-12	HY-U	17-Apr-13 20-Apr-13	SY-M	F F
Song Sparrow	2551-65255	28-Aug-12	HY-U	20-Apr-13 27-Apr-13 04-May-13 11-May-13 13-May-13	SY-M	U U U U U
Song Sparrow	2551-65300	09-Sep-12	AHY-U	06-Apr-13 13-May-13 08-Jun-13	ASY-U ASY-M	W U W
Song Sparrow	2571-96091	04-Oct-12	HY-U	17-Apr-13 27-May-13	SY-U SY-F	F FE
Song Sparrow	2571-96165	06-Oct-12	HY-U	30-May-13 08-Jun-13	SY-M	F FE
Swamp Sparrow	2521-40246	09-Sep-12	AHY-U	30-May-13	ASY-M	F
Northern Cardinal	1342-38482	15-Sep-12	HY-M	20-Apr-13 07-Jun-13	SY-M	U SW
Red-winged Blackbird	1292-72943	18-Apr-12	SY-M	27-Apr-13	3Y-M	F
Red-winged Blackbird	1342-38458	24-May-12	SY-M	27-Apr-13	3Y-M	U
Red-winged Blackbird	2411-55351	26-May-12	SY-F	07-Jun-13	3Y-F	SW
Common Grackle	1603-53352	31-May-12	SY-F	13-May-13	3Y-F	SW
Baltimore Oriole	2411-55329	14-May-12	ASY-M	18-May-13 24-May-13	A3Y-M	FE FE
American Goldfinch	2521-40118	24-May-12	SY-F	13-Apr-13	3Y-F	F
American Goldfinch	2521-40135	12-Aug-12	AHY-M	20-Apr-13	ASY-M	F
American Goldfinch	2521-40138	12-Aug-12	AHY-F	08-Jun-13	ASY-F	U
American Goldfinch	2521-40139	12-Aug-12	AHY-F	13-May-13	ASY-F	F
American Goldfinch	2521-40141	12-Aug-12	AHY-F	11-May-13	ASY-F	F
American Goldfinch	2521-40143	12-Aug-12	AHY-M	18-May-13	ASY-M	U
American Goldfinch	2521-40149	16-Aug-12	AHY-F	27-May-13	ASY-F	F
American Goldfinch	2521-40183	23-Aug-12	HY-F	30-May-13	SY-F	F
American Goldfinch	2521-40186	28-Aug-12	HY-M	20-Apr-13	SY-M	F
American Goldfinch	2521-40217	01-Sep-12	HY-M	27-May-13	SY-M	F
American Goldfinch	2521-40231	06-Sep-12	HY-M	13-Apr-13	SY-M	F
American Goldfinch	2521-40237	06-Sep-12	HY-M	04-May-13 07-Jun-13	SY-M	F

Table 12. Continued (page 3 of 3).

Species	Band No.	Date Banded	Age/Sex	Date Recap.	Age/Sex	Loc*
American Goldfinch	2521-40257	09-Sep-12	HY-M	04-May-13	SY-M	F
American Goldfinch	2521-40275	15-Sep-12	HY-F	18-May-13 24-May-13	SY-F	F
American Goldfinch	2521-40318	21-Sep-12	HY-M	04-May-13	SY-M	F
American Goldfinch	2521-40324	22-Sep-12	HY-M	07-Jun-13	SY-M	F
American Goldfinch	2521-40335	22-Sep-12	HY-F	13-Apr-13	SY-F	F
American Goldfinch	2521-40351	22-Sep-12	HY-F	13-Apr-13	SY-F	F
American Goldfinch	2521-40381	27-Sep-12	HY-F	17-Apr-13	SY-F	F
American Goldfinch	2521-40430	29-Sep-12	HY-F	08-Jun-13	SY-F	F
American Goldfinch	2521-40592	20-Oct-12	HY-M	27-Apr-13 30-Apr-13	SY-M	F

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

Table 13. Same season recaptures of migrants (with weight gain or loss noted). (Bold = Neotropical Migrant). Permanent Resident species are not included in this table.

Species	Band No.	Age/Sex	Date Banded	Date Recaptured	No. of days	Original Weight (g)	Weight at Recapture (g)	Gain/Loss (g)	Gain/Loss (%)
“Traill’s” Flycatcher	2610-05976	AHY-U	24-May-12	30-May-13 07-Jun-13	- 8	- 13.5	13.5 13.4	-0.1	-0.7%
Brown Creeper	2670-24545	AHY-U	13-Apr-13	17-Apr-13	4	9.1	9.1	0	0%
Brown Creeper	2670-24548	AHY-U	17-Apr-13	20-Apr-13 27-Apr-13	3 10	7.7 7.7	7.7 7.8	+0.1	+1.3%
Golden-crowned Kinglet	2670-24542	AHY-F	13-Apr-13	17-Apr-13	4	5.3	5.7	+0.4	+7.5%
Hermit Thrush	2571-96457	SY-U	17-Apr-13	20-Apr-13 27-Apr-13	3 10	29.3 28.3	28.3 30.1	+0.8	+2.7%
Hermit Thrush	2571-96470	SY-U	17-Apr-13	20-Apr-13	3	28.4	28.3	-0.1	-0.4%
American Robin	1292-72711	AHY-F	22-Apr-11	18-May-13 24-May-13	- 6	- 79.9	79.9 78.2	-1.7	-2.1%
American Robin	1292-72892	AHY-F	07-Apr-12	17-Apr-13 04-May-13	- 17	- 76.4	76.4 75.8	-0.6	-0.8%
American Robin	1342-38551	SY-F	17-Apr-13	27-Apr-13 08-Jun-13	10 52	70.3 82.4	82.4 76.2	+5.9	+8.4%
American Robin	1342-38558	AHY-M	20-Apr-13	23-May-13	33	72.1	73.5	+1.4	+1.9%
American Robin	1342-38561	AHY-F	20-Apr-13	11-May-13	21	75.6	85.0	+9.4	+12.4%
American Robin	1342-38563	ASY-M	20-Apr-13	11-May-13	21	76.4	75.1	-1.3	-1.7%
American Robin	1352-36561	SY-F	23-May-13	07-Jun-13	15	86.6	77.2	-9.4	-10.8%
American Robin	1352-36576	HY-U	07-Jun-13	08-Jun-13	1	72.5	70.8	-1.7	-2.3%
Gray Catbird	2561-68226	SY-U	18-May-13	27-May-13 07-Jun-13	9 20	35.8 34.6	34.6 34.1	-1.7	-4.7%
Yellow Warbler	2360-85881	ASY-F	09-May-08	18-May-13 07-Jun-13	- 20	- 10.2	10.2 11.2	+1.0	+9.8%
Yellow Warbler	2540-26632	ASY-M	02-May-09	27-May-13 30-May-13	- 3	- 9.6	9.6 9.7	+0.1	+1.0%
Yellow Warbler	2540-26659	ASY-M	08-May-09	04-May-13 27-May-13	- 23	- 9.5	9.5 10.2	+0.7	+7.4%
Yellow Warbler	2560-75059	ASY-M	06-Jun-09	04-May-13 23-May-13 27-May-13 08-Jun-13	- 19 23 35	- 10.0 10.4 -	10.0 10.4 -	+1.3	+13.0%
Yellow Warbler	2610-05472	ASY-F	07-May-11	04-May-13 11-May-13	- 7	- 8.7	8.7 8.3	-0.4	-4.6%
Yellow Warbler	2610-05511	ASY-F	14-May-11	11-May-13 13-May-13 24-May-13	- 2 13	- 9.1 8.7	9.1 8.7 10.9	+1.8	+19.8%
Yellow Warbler	2610-05881	ASY-M	06-May-12	11-May-13 13-May-13	- 2	- 10.3	10.3 10.4	+0.1	+1.0%
Yellow Warbler	2610-05932	ASY-F	12-May-12	11-May-13 13-May-13	- 2	- 8.8	8.8 9.0	+0.2	+2.3%
Yellow Warbler	2660-28193	SY-F	04-May-13	18-May-13	14	9.1	9.1	0	0%
Yellow Warbler	2660-28196	ASY-M	04-May-13	11-May-13	7	9.7	10.1	+0.4	+4.1%
Yellow Warbler	2660-28203	ASY-F	04-May-13	11-May-13 24-May-13	7 20	8.5 8.1	8.1 10.0	+0.5	+5.9%
Yellow Warbler	2660-28220	SY-M	11-May-13	13-May-13	2	9.9	9.6	-0.3	-3.0%
Yellow Warbler	2660-28247	SY-F	18-May-13	23-May-13	5	8.8	8.7	-0.1	-1.1%
Yellow Warbler	2660-28258	SY-M	18-May-13	24-May-13	6	8.7	8.9	+0.2	+2.3%
Yellow Warbler	2660-28263	ASY-F	18-May-13	23-May-13 24-May-13	5 6	9.5 9.8	9.8 10.2	+0.7	+7.4%
Yellow Warbler	2660-28288	SY-M	24-May-13	30-May-13	6	9.3	9.5	+0.2	+2.2%

Table 13. Continued (page 2 of 4).

Species	Band No.	Age/Sex	Date Banded	Date Recaptured	No. of days	Original Weight (g)	Weight at Recapture (g)	Gain/Loss (g)	Gain/Loss (%)
Common Yellowthroat	2560-75114	AHY-M	13-Aug-09	11-May-13 18-May-13 24-May-13	- 7 13	- 10.1 10.1	10.1 10.1 9.9	-0.2	-2.0%
Common Yellowthroat	2560-75270	AHY-M	17-Sep-09	04-May-13 11-May-13 18-May-13 08-Jun-13	- 7 14 35	- 9.6 10.0 10.1	9.6 10.0 10.1 10.4	+0.8	+8.3%
Common Yellowthroat	2610-05567	AHY-M	10-Aug-11	30-Apr-13 13-May-13 23-May-13 08-Jun-13	- 13 23 39	- - 10.1 9.9	- 10.1 9.9 10.4	+0.3	+3.0%
Common Yellowthroat	2610-05626	AHY-M	26-Aug-11	11-May-13 30-May-13	- 19	- 10.7	10.7 10.6	-0.1	-0.9%
Common Yellowthroat	2610-05671	AHY-F	09-Sep-11	24-May-13 27-May-13 30-May-13	- 3 6	- 11.0 10.7	11.0 10.7 11.0	0	0%
Common Yellowthroat	2660-27861	ASY-M	01-Sep-12	23-May-13 24-May-13	- 1	- 9.7	9.7 10.0	+0.3	+3.1%
Common Yellowthroat	2660-28282	ASY-M	23-May-13	24-May-13	1	11.4	11.6	+0.2	+1.8%
Common Yellowthroat	2700-01908	SY-M	27-May-13	30-May-13 08-Jun-13	- 9	- 9.8	9.8 10.2	+0.4	+4.1%
Song Sparrow	2281-10323	ASY-M	24-Sep-07	13-Apr-13 20-Apr-13 07-Jun-13	- 7 55	- 21.7 22.0	21.7 22.0 21.6	-0.1	-0.5%
Song Sparrow	2281-10739	ASY-M	13-Aug-08	17-Apr-13 20-Apr-13 27-May-13 07-Jun-13	- 3 40 51	- 21.9 22.6 22.0	21.9 22.6 22.0 21.3	-0.6	-2.7%
Song Sparrow	2551-24428	AHY-F	21-Aug-11	20-Apr-13 18-May-13 24-May-13 30-May-13 07-Jun-13	- 28 34 40 48	- 21.6 22.8 21.0 20.2	21.6 22.8 21.0 20.2 20.3	-1.3	-6.0%
Song Sparrow	2551-65215	AHY-F	02-Jun-12	20-Apr-13 18-May-13	- 28	- 20.8	20.8 22.2	+1.4	+6.7%
Song Sparrow	2551-65220	AHY-M	09-Aug-12	06-Apr-13 27-May-13 07-Jun-13	- 51 62	- 22.3 21.5	22.3 21.5 21.5	-0.8	-3.6%
Song Sparrow	2551-65242	SY-M	19-Aug-12	17-Apr-13 20-Apr-13	- 3	- 18.1	18.1 19.1	+1.0	+5.5%
Song Sparrow	2551-65255	SY-M	28-Aug-12	20-Apr-13 27-Apr-13 04-May-13 11-May-13 13-May-13	- 7 14 21 23	- 21.0 21.6 20.6 21.1	21.0 21.6 20.6 21.1 21.5	+0.5	+2.4%
Song Sparrow	2551-65300	ASY-M	09-Sep-12	06-Apr-13 13-May-13 08-Jun-13	- 37 63	- 20.8 20.7	20.8 20.7 20.9	+0.1	+0.5%
Song Sparrow	2571-96091	SY-F	04-Oct-12	17-Apr-13 27-May-13	- 40	- 17.5	17.5 19.2	+1.7	+9.7%
Song Sparrow	2571-96165	AHY-M	06-Oct-12	30-May-13 08-Jun-13	- 8	- 19.4	19.5 19.4	-0.1	-0.5%

Table 13. Continued (page 3 of 4).

Species	Band No.	Age/Sex	Date Banded	Date Recaptured	No. of days	Original Weight (g)	Weight at Recapture (g)	Gain/Loss (g)	Gain/Loss (%)
Song Sparrow	2571-96472	ASY-F	20-Apr-13	13-May-13 18-May-13	23 28	18.8 20.4	20.4 20.6	+0.8	+4.2%
Song Sparrow	2571-96514	ASY-M	11-May-13	13-May-13 24-May-13 07-Jun-13	2 13 27	21.3 22.2 21.4	22.2 21.4 21.6	+0.3	+1.4%
Song Sparrow	2571-96515	AHY-F	11-May-13	13-May-13	2	25.2	23.2	-2.0	-7.9%
Lincoln's Sparrow	2591-24360	AHY-U	11-May-13	13-May-13	2	17.2	16.2	-1.0	-5.8%
Lincoln's Sparrow	2591-24384	AHY-U	13-May-13	18-May-13	5	18.0	16.1	-1.9	-10.6%
Swamp Sparrow	2521-40976	AHY-M	17-Apr-13	30-May-13	43	15.5	17.0	+1.5	+9.7%
Swamp Sparrow	2521-40983	SY-U	17-Apr-13	27-Apr-13	10	16.3	18.0	+1.7	+10.4%
Swamp Sparrow	2521-40987	SY-M	17-Apr-13	27-Apr-13	10	16.6	17.5	+0.9	+5.4%
Swamp Sparrow	2591-24312	AHY-U	27-Apr-13	30-Apr-13	3	17.3	18.1	+0.8	+4.6%
Swamp Sparrow	2591-24387	AHY-U	13-May-13	18-May-13	5	14.9	16.9	+2.0	+13.4%
Swamp Sparrow	2591-24473	SY-M	07-Jun-13	08-Jun-13	1	15.9	14.6	-1.3	-8.2%
Red-winged Blackbird	1342-38575	SY-M	27-Apr-13	23-May-13	26	71.0	70.5	-0.5	-0.7%
Red-winged Blackbird	1352-36537	SY-M	13-May-13	30-May-13	17	71.7	69.5	-2.2	-3.1%
Red-winged Blackbird	1352-36554	SY-M	18-May-13	07-Jun-13	20	64.3	62.7	-1.6	-2.5%
Red-winged Blackbird	2411-55383	ASY-F	13-Apr-13	07-Jun-13	55	42.0	40.9	-1.1	-2.7%
Red-winged Blackbird	2411-55396	SY-F	04-May-13	24-May-13	20	48.0	41.2	-6.8	-14.2%
Red-winged Blackbird	2561-68209	SY-F	11-May-13	30-May-13	19	46.7	39.4	-7.3	-15.6%
Red-winged Blackbird	2561-68243	ASY-F	30-May-13	07-Jun-13	8	40.2	38.6	-1.6	-4.0%
Red-winged Blackbird	2561-68245	SY-F	30-May-13	07-Jun-13	8	44.3	39.9	-4.4	-9.9%
Red-winged Blackbird	2561-68247	SY-F	07-Jun-13	08-Jun-13	1	41.3	40.8	-0.5	-1.2%
Red-winged Blackbird	2561-68249	ASY-F	07-Jun-13	08-Jun-13	1	36.0	35.2	-0.8	-2.2%
Red-winged Blackbird	2561-68252	SY-F	07-Jun-13	08-Jun-13	1	42.4	43.1	+0.7	+1.6%
Brown-headed Cowbird	2411-55397	ASY-M	04-May-13	24-May-13	20	55.7	50.8	-4.9	-8.8%
Brown-headed Cowbird	2571-96463	AHY-F	17-Apr-13	23-May-13	36	38.7	44.1	+5.4	+14.0%
Brown-headed Cowbird	2571-96511	ASY-F	11-May-13	27-May-13	16	40.6	43.2	+2.6	6.4%
Brown-headed Cowbird	2571-96553	ASY-F	24-May-13	07-Jun-13	14	40.1	39.8	-0.3	-0.7%
Baltimore Oriole	2411-55329	ASY-M	14-May-12	18-May-13 24-May-13	- 6	- 31.6	31.6 35.4	+3.8	+12.0%
Baltimore Oriole	2561-68210	SY-M	13-May-13	18-May-13 08-Jun-13	5 26	31.8 32.7	32.7 33.4	+1.6	+5.0%
Baltimore Oriole	2561-68244	SY-M	30-May-13	07-Jun-13	8	32.9	33.8	+0.9	+2.7%
American Goldfinch	2401-00778	ASY-F	09-Apr-10	17-Apr-13 20-Apr-13	- 3	- 12.5	12.5 12.0	-0.5	-4.0%
American Goldfinch	2511-56115	ASY-F	18-Aug-11	24-May-13 08-Jun-13	- 15	- 12.2	12.2 12.8	+0.6	+4.9%
American Goldfinch	2521-40237	SY-M	06-Sep-12	04-May-13 07-Jun-13	- 34	- 12.7	12.7 12.0	0	0%
American Goldfinch	2521-40275	SY-F	15-Sep-12	18-May-13 24-May-13	- 6	- 11.8	11.8 12.5	+0.7	+5.9%
American Goldfinch	2521-40984	SY-M	17-Apr-13	11-May-13	24	12.2	13.4	+1.2	+9.8%
American Goldfinch	2521-40992	ASY-M	17-Apr-13	20-Apr-13	3	11.9	12.4	+0.5	+4.2%
American Goldfinch	2521-40993	SY-M	20-Apr-13	11-May-13	21	13.3	11.4	-1.9	-14.3%
American Goldfinch	2660-28184	SY-M	20-Apr-13	30-Apr-13 13-May-13	10 23	13.7 -	- 13.0	-0.7	-5.1%
American Goldfinch	2660-28186	SY-F	20-Apr-13	27-Apr-13	7	13.3	13.1	-0.2	-1.5%
American Goldfinch	2591-24319	SY-M	27-Apr-13	11-May-13	14	12.6	13.3	+0.7	+5.6%
American Goldfinch	2591-24352	SY-F	11-May-13	24-May-13	13	12.7	12.7	0	0%

Table 13. Continued (page 4 of 4).[illegible]

SPRING BANDING 2013 - PHOTO HIGHLIGHTS



Spotted Sandpiper (ASY-F). 24 May 2013.

A first ever banded at this station was this Spotted Sandpiper. A pair was observed copulating in the wet areas near the Field Nets earlier in the season, but this individual was caught in the woods, in the Upland Nets!



Mourning Dove (AHY-M). 27 April 2013.

Although it is a common species, Mourning Doves are large enough to escape the mist nets used here so are rarely captured. This was only the 8th here since 2004 (2nd in spring).



American Woodcock (ASY-M). 7 June 2013.

This American Woodcock was only the 4th ever banded here (3rd in spring), and was likely breeding in the park.



Red-bellied Woodpecker (SY-F). 18 May 2013.

A resident species, but in small numbers, this female Red-bellied Woodpecker was only the 4th every banded here, all since 2004.



Hairy Woodpecker (SY-F). 27 April 2013.

Another uncommon resident species, Hairy Woodpeckers were well represented this spring with two newly banded (including the bird above), and one recaptured that was originally banded in 2008.



Barn Swallow (AHY-F). 24 May 2013.

Not banded here every year, and none before 2004, two Barn Swallows were captured this spring.



Eastern Phoebe (AHY-U). 24 May 2013.

An early migrant that has never been confirmed nesting in the park, Eastern Phoebes were captured during the month of May for the first time ever here.



Carolina Wren (HY-U). 13 May 2013.

Carolina Wrens are another uncommon permanent resident that are not banded often. They seem to have a long memory and can avoid mist nets for years after being banded. But this early hatch-year (and later, some of its brood mates) had no such prior experience.



Blue-gray Gnatcatcher (AHY-M). 27 April 2013.

This handsome male Blue-gray Gnatcatcher was the 32nd banded here since 1989, but since 2004 they have averaged only one per spring.



Golden-winged Warbler (SY-F). 18 May 2013.

This Golden-winged Warbler was the 9th ever banded here and only the 3rd since 2004.



Cedar Waxwing (AHY-F). 11 May 2013.

Slightly more Cedar Waxwings than average were banded this spring; most are banded in fall, and even then they're not banded every fall.



Magnolia Warbler (ASY-M). 11 May 2013.

Magnolia Warblers were banded in average numbers this spring, but will probably always make the photo highlights as it is such a beautiful bird.



Black-throated Green Warbler (SY-M). 27 April 2013.

Another beautiful warbler, the Black-throated Green Warbler is typically banded in low numbers, sometimes not at all. This spring two were banded, slightly below the average since 2004 but slightly above the 1989-1999 average.



20,000th banded bird since 2004, SY-M Yellow Warbler.

Above is a cell phone (“selfie”) photo of the happy crew that assisted with the capture and banding of the station’s 20,000th bird. Left to right: Allen Chartier, Steve Mangas, Tom Schlack, Marie McGee.



Yellow Warbler (SY-M). 7 June 2013.

Yellow Warblers are common nesters in the banding area, and the number banded this spring was slightly above average, as well as above average returnees from previous years. This individual was the 20,000th bird banded at this location since 2004 (~15,000 were banded from 1989-2000).



Scarlet Tanager (SY-M). 18 May 2013.

This spectacular Scarlet Tanager was only the 2nd since 2004 (first male), and only the 5th since 1989.



Scarlet Tanager (SY-M). 18 May 2013.

Up close, the colors of this male Scarlet Tanager are even more intense.



Indigo Bunting (ASY-F). 11 May 2013.

This female Indigo Bunting was only the 7th in spring since 2004, and the 13th in spring since 1989. In fall, 20 have been banded, 17 of them since 2004.



Indigo Bunting (SY-M). 7 June 2013.

Not only was this brilliant male Indigo Bunting the 8th in spring since 2004, but the tardiness of its capture, as well as the presence of a cloacal protuberance, indicated local breeding, which is fairly unusual in this park and the banding area in particular.



Eastern Towhee (SY-M). 20 April 2013.

Eastern Towhees are uncommon migrants in this park. This male was the 14th since 1989 and the 12th since 2004.



American Tree Sparrow (AHY-U). 27 April 2013.

The number of American Tree Sparrows banded each spring varies considerably depending on how long winter lingers. This year, winter lingered longer, with the result that Tree Sparrows were banded later than ever before.



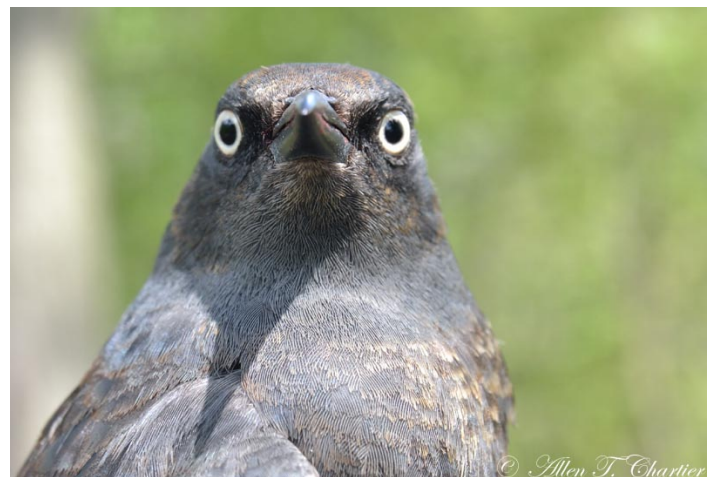
Savannah Sparrow (AHY-U). 20 April 2013.

Savannah Sparrows are common birds in open fields, but are rarely found in the marsh/swamp habitat characteristic of the banding area. This one was only the 6th since 1989 and the 5th since 2004, all in spring.



Rusty Blackbird (SY-F). 13 May 2013.

Rusty Blackbirds are difficult to catch in mist nets, as they prefer to feed by flipping leaf litter on the edge of ponds, in fairly open areas that makes nets visible to them. Also, in early spring, there is little undergrowth in these areas.



Rusty Blackbird (SY-F). 13 May 2013.

This Rusty Blackbird was the 12th ever banded here, the 6th since 2004, and all in spring. Also, the date of this one was rather late as most have moved north by about May 10.