

2017 Lake Erie Bass Islands Avian Research Project

H. Thomas Bartlett
1833 South Winfield Drive
Tiffin, Ohio 44883
thomas.bartlett@gmail.com
419-447-0005



Adult Red-headed Woodpecker
May 9, 2017 – Vineyard B & B, South Bass Island
1st Banded on Lake Erie Islands

Permits

Federal Bird Banding Permit # 21624
Ohio Division of Wildlife Wild Animal Permit # 20-164 and 17-82
Ohio Division of Natural Areas and Preserves Permit #RP 2017-4
Put-in-Bay Township Park District Research Permit
Private Land Use Permit – Mark & Barb Barnhill
Private Land Use Permit (Verbal) – Dr. William Cleveland

2017 Lake Erie Bass Islands Avian Research Program Report

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History

In the early 2000's, the Lake Erie Islands Historical Society began sponsoring two Elderhostel programs on South Bass Island. One dealt with fishing and the other with natural history/wine making of the islands. The popularity of evening natural history programs and optional morning bird walks soon led to a birding Elderhostel. In 2003, I was asked by Lisa Brohl, one of the leaders of the Elderhostel, to present a one-day program on bird banding and give a demonstration. The demonstration was conducted on a 20 acre property owned by Mark and Barb Barnhill on the eastern most part of the island. The program was a success and I was asked back each year after. In the summer of 2006, I retired from teaching. Lisa called and asked if I would work the week-long Elderhostel. I agree and banding increased. The Elderhostel has changed its name to Road Scholar, opening up to a wider group of people and is now run by the Lake Erie Islands Nature and Wildlife Center on South Bass Island. Over the years the Road Scholar programs have increased to 6 weeks during spring and fall. Lisa is also the chair of the Lake Erie Islands Conservancy. With the data we gathered, she and her organization have used it to help secure funds to buy and protect land on the Bass Islands. In 2009, we started a banding project on Middle Bass Island. In 2010, one of my sub-permittees, Dr. James Marshall working at Stone Lab, began expanding our efforts with a summer banding project on North Bass Island. The North Bass Island summer study involves birds use of the remaining vineyards on the island. Over 20 natural areas have been protect on the Lake Erie Islands.

2017 Update

We now have bird banding data for South Bass (15 years), Middle Bass (9 years), and North Bass (8 years) Islands plus my long-term data set (22 years) from Kelleys Island. Banding data has been used to purchase and protect properties on South Bass, Middle Bass, and Kelleys Islands. The Put-in-Bay Township Park District as owners of natural areas, makes use of the banding data to help manage the properties for migratory and nesting birds as well as other wildlife. The Barnhills, Put-in-Bay Township Park District, Lake Erie Islands Conservancy, and the Lake Erie Islands Nature and Wildlife Center have supplied access and funding to assist in our banding projects this year. As always, we are thankful for the support from Mark and Barb Barnhill for the use of their property on South Bass Island and assistance in our studies. On Middle Bass Island, we have received much assistance from Teddi Pertner and Nancy Welter. In addition the efforts of Chris Helman and family to maintain the trails at East Point Preserve have been extremely helpful as well. It is hoped that the banding projects can be increased in years to come. This past year 651 individuals visited our Bass Islands research stations. This is an increase in visitors of over 50% from 2016.

During the 2017 banding season, banding occurred on 45 days. 1443 individual birds of 75 species were banded on South Bass, Gibraltar, Middle Bass, and North Bass Islands. In

addition, 231 banded birds were recaptured or recovered (186 individuals). Of these, 53% were banded prior to 2017. Four individuals were first banded in 2010, none in 2011, four birds in 2012, nine birds in 2013, ten birds in 2014, 19 birds in 2015, 53 in 2016 and 87 individuals earlier in 2017. Our oldest recaptures were two Red-winged Blackbirds, both a minimum of 9 years old. One was originally banded on May 2, 2010 as an ASY-M and the other banded July 17, 2010 as an ASY-F (originally banded on Kelleys Island and recaptured on North Bass Island July 1, 2017). Another Red-winged Blackbird was a minimum of 8 years old. One Black-capped Chickadee, recaptured three times this year was a minimum of 7 years old and a Yellow Warbler was a minimum of 7 years old.

Over the last fifteen years of our banding effort, we have banded 8,690 individuals of 112 species. This was accomplished in 272 banding days and 17201.25 net hours of effort resulting in 0.51 birds banded per net hour. This past year we banded one new species for the islands. It was an adult Red-headed Woodpecker on South Bass Island. Interestingly, this bird was captured in a brand new net which was donated in memory of the late Don Harrington, the father of one of our Island supporters and PIB teacher, Susan Harrington. In addition, another continuing banding project with Purple Martins and Tree Swallows has been taken over by Thomas Kashmer, of Green Creek Wildlife Society and Black Swamp Bird Observatory.

The top ten most banded species for 2017 were:

356	Purple Martin	42	Swainson's Thrush
277	Red-winged Blackbird	37	Yellow Warbler
92	American Robin	36	Common Grackle
85	White-throated Sparrow	29	Gray-cheeked Thrush
47	Tree Swallow	29	Baltimore Oriole

The top ten most banded species over the fourteen years have been:

2278	Red-winged Blackbird	323	Tree Swallow
715	American Robin	314	Swainson's Thrush
417	Purple Martin	296	Yellow Warbler
408	White-throated Sparrow	226	Baltimore Oriole
362	Common Grackle	211	Yellow-rumped (Myrtle) Warbler

During 2017, 75 species and 1443 individual birds were banded. In addition, there were 231 recaptures or recoveries representing 186 individuals (99 from past years), 8 individuals escaped or were released before being processed and we had no casualties. All this was done over 45 banding days and 3562.25 net hours. 1682 individual birds were handled this year and 0.41 birds were banded per net hour of effort.

South Bass Island

On South Bass Island we banded 53 species and 908 individuals banded in 2017. One new species were banded. It was an adult Red-headed Woodpecker. Over the fifteen years of this study on South Bass Island 97 species and 5852 individual birds have been banded.

Middle Bass Island

On Middle Bass Island we banded 64 species and 483 individuals banded. Three new species were banded. They were House Sparrow, Blue-winged Warbler, and Bay-breasted Warbler. Over the seven years of this study on Middle Bass Island 96 species and 2259 individuals birds have been banded. Banding on Middle Bass was greatly increased this year with the regular spring bandout and fall bandout (which was extended several days) and the

addition of an early summer bandout for the annual Lake Erie Islands International Conservation Consortium meeting on June 11-12. A neat recovery of a Middle Bass Island bird was found in Midway, Kentucky on October 16, 2017. It was a Winter Wren we banded as a hatch-year bird on September 28, 2016.

North Bass Island

On North Bass Island we banded 11 species and 52 individuals banded. Two new species were banded on North Island Bass. They were Yellow-billed Cuckoo and Tree Swallow. Over the last seven years of the North Bass Island study, 579 individuals of 23 species have been banded. It appears that the vineyards of North Bass Island are being removed and this study may be at an end. 2018 will see.

2017 Data

The data for all banding activities in 2017 on the Bass Islands follows. Included are some historical data, birds banded, recaptures, and some observational notes for each island. A special thanks should be given to the volunteers and supporters of this project: Paula Bartlett, Lisa & Russ Brohl, Karen Dolej, John Lortz, Dr. James Marshall, Mark & Barb Barnhill, Dr. Andy Jones, Tina Larson, Alice Lentz, John & Peg Leopold, Teddi Pertner, Nancy Welter, Shane Roberts, Jim Coffman, Chris Helman and family, Dr. William Cleveland, the Lake Erie Islands Conservancy, the Lake Erie Islands Nature and Wildlife Center, U.S. Fish & Wildlife Service, Ottawa County Community Foundation, and the Put-in-Bay Township Park District.

H. Thomas Bartlett
Federal Bird Banding Permit # 21624
Ohio Division of Wildlife Animal Permit # 20- 164 and #17-82
Put-in-Bay Park District Access Permit
Private Lands Permit – Mark and Barb Barnhill
Private Lands Permit – Dr. William Cleveland

2017**Lake Erie Bass Islands
Bird Banding Data****H. Thomas Bartlett
Federal Permit # 21624**

Species	Island	SBI	MBI	NBI	Total
Yellow-billed Cuckoo	1		1	2	3
Ruby-throated Hummingbird	1	2	2		4
Eastern Screech-Owl	1		3		3
Red-headed Woodpecker	1	1			1
Red-bellied Woodpecker	1	5	1		6
Downy Woodpecker	1	4	3	1	8
Northern Flicker	1		1		1
Eastern Wood-Pewee	1		1		1
Yellow-bellied Flycatcher	1		5		5
Least Flycatcher	1	2			2
Eastern Kingbird	1	2			2
Blue-headed Vireo	1	1			1
Philadelphia Vireo	1		1		1
Warbling Vireo	1	3	1		4
Red-eyed Vireo	1		7		7
Blue Jay	1	3	12		15
Purple Martin*	1	356			356
Tree Swallow	1	37	9	1	47
Northern Rough-winged Swallow	1	6			6
Barn Swallow	1	9	2	3	14
Black-capped Chickadee	1	10	4		14
White-breasted Nuthatch	1	1	2		3
Brown Creeper	1		1		1
House Wren	1	7	10		17
Winter Wren	1		6		6
Carolina Wren	1		3		3
Golden-crowned Kinglet	1		2		2
Ruby-crowned Kinglet	1	10	10		20
Veery	1	3			3
Gray-cheeked Thrush	1	13	16		29
Swainson's Thrush	1	25	17		42
Hermit Thrush	1	1	8		9
Wood Thrush	1	3	2		5
American Robin	1	46	43	3	92
Gray Catbird	1	9	5		14
Brown Thrasher	1		1		1
European Starling	1	2	4	11	17
Cedar Waxwing	1	1			1
House Sparrow	1	12	4		16
House Finch	1	4			4
American Goldfinch	1	1	3	5	9
Ovenbird	1	7	5		12
Northern Waterthrush	1	1	2		3
Blue-winged Warbler	1		1		1
Orange-crowned Warbler	1	2			2
Nashville Warbler	1	6	4		10

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Lake Erie Bass Islands
Bird Banding Data

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Species	Island	SBI	MBI	NBI	Total
Mourning Warbler	1		1		1
Common Yellowthroat	1	1	5		6
American Redstart	1	1	4		5
Cape May Warbler	1		1		1
Magnolia Warbler	1		1		1
Bay-breasted Warbler	1	4	6		10
Yellow Warbler	1	20	15	2	37
Blackpoll Warbler	1	9	12		21
Black-throated Blue Warbler	1	5	7		12
Palm Warbler	1	1	8		9
Yellow-rumped Warbler	1	5	7		12
Black-throated Green Warbler	1		1		1
Canada Warbler	1		1		1
Wilson Warbler	1		1		1
Eastern Towhee	1		1		1
Chipping Sparrow	1	1	1		2
Song Sparrow	1		1		1
Lincoln's Sparrow	1	5	2		7
Swamp Sparrow	1	2	6		8
White-throated Sparrow	1	44	41		85
White-crowned Sparrow	1	1	1		2
Dark-eyed Junco	1		2		2
Northern Cardinal	1	15	7		22
Indigo Bunting	1	1	4	1	6
Red-winged Blackbird	1	153	103	21	277
Common Grackle	1	22	14		36
Brown-headed Cowbird	1	11	10		21
Orchard Oriole	1	3			3
Baltimore Oriole	1	9	18	2	29
Total species	75	53	64	11	75
Total individuals		908	483	52	1443
Banding days		20	21	4	45
Net hours		1122.5	2283	156.75	3562.25
Birds banded per net-hour		0.81	0.21	0.33	0.41
Recaptures		99	126	4	229
Escapes/releases		2	6	0	8
Casualties		0	0	0	0
Total birds handled		1009	614	56	1679
Injured birds		11	16	1	28
Visitors		295	344	12	651
Began		2003	2009	2010	

Red = new to island banding list

2017 Bass Islands Photographs



Blue-winged Warbler
April 26, 2017 Middle Bass 1st



Dr. James Marshall and Assistant, Stacey Clay
Middle Bass Island July 6, 2017



Assistant Nancy Welter releasing her
first Ruby-throated Hummingbird



Black-throated Blue Warblers
male and female



Assistants Shane Roberts and Teddi Pertner after a successful run!!

2017 Bass Islands Photographs



Eastern Whip-poor-will
South Bass Island May 3, 2017



Susan Harrington releasing the
Red-headed Woodpecker



Orange-crowned Warbler



Baltimore Oriole



Banded chickadee joins us for lunch!

2017

South Bass Island
Bird Banding Results

H. Thomas Bartlett
Federal Permit # 21624

Species	Date		30-Apr	1-May	2-May	3-May	7-May	8-May	9-May
Ruby-throated Hummingbird	1					1	1		
Red-headed Woodpecker	1								1
Red-bellied Woodpecker	1					2			2
Downy Woodpecker	1	1				1			
Least Flycatcher	1					1			
Eastern Kingbird	1								
Blue-headed Vireo	1								1
Warbling Vireo	1								
Blue Jay	1					1			2
Purple Martin	1								
Tree Swallow	1	2							
Northern Rough-winged Swallow	1								
Barn Swallow	1	1							
Black-capped Chickadee	1	2				2	1		
White-breasted Nuthatch	1	1							
House Wren	1			2		1	3		
Ruby-crowned Kinglet	1	3				2	1		2
Veery	1								
Gray-cheeked Thrush	1					1			
Swainson's Thrush	1								
Hermit Thrush	1					1			
Wood Thrush	1								
American Robin	1	10		2		6	3	2	1
Gray Catbird	1	2				4			
European Starling	1								
Cedar Waxwing	1								
House Sparrow	1								
House Finch	1			1					
American Goldfinch	1								
Ovenbird	1					1			
Northern Waterthrush	1	1							
Orange-crowned Warbler	1								1
Nashville Warbler	1					2	2		1
Common Yellowthroat	1					1			
American Redstart	1					1			
Yellow Warbler	1	1				2	2		1
Bay-breasted Warbler	1								
Blackpoll Warbler	1								
Black-throated Blue Warbler	1								
Palm Warbler (Western)	1						1		
Yellow-rumped Warbler (Myrtle)	1	1				2	1		1
Chipping Sparrow	1								
Lincoln's Sparrow	1								
Swamp Sparrow	1	1				1			
White-throated Sparrow	1	17		3		7	10		5
White-crowned Sparrow	1						1		

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South Bass Island
Bird Banding Results

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Species	Date	10-May	20-Jun	26-Jun	27-Jun	29-Jun	1-Jul	4-Jul
Ruby-throated Hummingbird								
Red-headed Woodpecker								
Red-bellied Woodpecker		1						
Downy Woodpecker						1		
Least Flycatcher		1						
Eastern Kingbird		1						
Blue-headed Vireo								
Warbling Vireo						1		
Blue Jay								
Purple Martin							355	
Tree Swallow		1	19		6	1		
Northern Rough-winged Swallow				1		1		2
Barn Swallow			1			2		
Black-capped Chickadee								
White-breasted Nuthatch								
House Wren		1						
Ruby-crowned Kinglet		2						
Veery		2						
Gray-cheeked Thrush								
Swainson's Thrush								
Hermit Thrush								
Wood Thrush		2						
American Robin		3			2	2		3
Gray Catbird					1			
European Starling								1
Cedar Waxwing								
House Sparrow								1
House Finch								1
American Goldfinch						1		
Ovenbird		1						
Northern Waterthrush								
Orange-crowned Warbler		1						
Nashville Warbler								
Common Yellowthroat								
American Redstart								
Yellow Warbler			6		5	1		
Bay-breasted Warbler								
Blackpoll Warbler								
Black-throated Blue Warbler								
Palm Warbler (Western)								
Yellow-rumped Warbler (Myrtle)								
Chipping Sparrow								
Lincoln's Sparrow		5						
Swamp Sparrow								
White-throated Sparrow		2						
White-crowned Sparrow								

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**South Bass Island
Bird Banding Results**

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7-Jul	11-Jul	15-Jul	13-Sep	14-Sep	15-Sep	Total	Species
						2	Ruby-throated Hummingbird
						1	Red-headed Woodpecker
						5	Red-bellied Woodpecker
	1					4	Downy Woodpecker
						2	Least Flycatcher
	1					2	Eastern Kingbird
						1	Blue-headed Vireo
	2					3	Warbling Vireo
						3	Blue Jay
	1					356	Purple Martin
8						37	Tree Swallow
2						6	Northern Rough-winged Swallow
5						9	Barn Swallow
2	1		2			10	Black-capped Chickadee
						1	White-breasted Nuthatch
						7	House Wren
						10	Ruby-crowned Kinglet
				1		3	Veery
			3	7	2	13	Gray-cheeked Thrush
			4	9	12	25	Swainson's Thrush
						1	Hermit Thrush
					1	3	Wood Thrush
4		7	1			46	American Robin
	2					9	Gray Catbird
1						2	European Starling
	1					1	Cedar Waxwing
8		3				12	House Sparrow
2						4	House Finch
						1	American Goldfinch
			2	2	1	7	Ovenbird
						1	Northern Waterthrush
						2	Orange-crowned Warbler
			1			6	Nashville Warbler
						1	Common Yellowthroat
						1	American Redstart
	2					20	Yellow Warbler
				3	1	4	Bay-breasted Warbler
				5	4	9	Blackpoll Warbler
				3	2	5	Black-throated Blue Warbler
						1	Palm Warbler (Western)
						5	Yellow-rumped Warbler (Myrtle)
1						1	Chipping Sparrow
						5	Lincoln's Sparrow
						2	Swamp Sparrow
						44	White-throated Sparrow
						1	White-crowned Sparrow

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South Bass Island Bird Banding Results

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[illegible]

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South Bass Island
Bird Banding Results

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Species	Date	10-May	20-Jun	26-Jun	27-Jun	29-Jun	1-Jul	4-Jul
Northern Cardinal								
Indigo Bunting								1
Red-winged Blackbird		11	10	7	9	16		9
Common Grackle								
Brown-headed Cowbird		1	1					2
Orchard Oriole					1			
Baltimore Oriole		1		1		1		
Total Species		16	5	3	6	10	1	8
Total Individuals		36	37	9	24	27	355	20
Date	10-May	20-Jun	26-Jun	27-Jun	29-Jun	1-Jul	4-Jul	
Banding Days	1	1	1	1	1	1	1	
Recaptures	12	8	2	10	4	0	2	
Escapes/releases	0	0	0	1	0	0	0	
Casualties	0	0	0	0	0	0	0	
Total birds handled	48	45	11	35	31	355	22	
Nets	15	10(9.5)	10(9.5)	10(9.5)	10(9.5)	Boxes	10(9.5)	
Net hours	118	23.75	38	38	57		47.5	
Birds banded per net hour	0.31	1.56	0.24	0.63	0.47	#DIV/0!	0.42	
% Casualties per bird handled	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Injured birds	0	1	0	1	0	0	0	
		BHCO		RWBL				
	wing stress			Embolism				
				released				
Escaped/released birds				RWBL				
Casualties								
Participants		42	2	2	2	2	27	7
Time	Star	530	730	730	730	700	day	800
	End	1330	1100	1230	1230	1430		1230
						Tom Kashmer		
							& crew	

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South Bass Island
Bird Banding Results

H. Thomas Bartlett
Federal Permit # 21624

7-Jul	11-Jul	15-Jul	13-Sep	14-Sep	15-Sep	Total	Species
1					1	15	Northern Cardinal
						1	Indigo Bunting
11	11					153	Red-winged Blackbird
						22	Common Grackle
	1					11	Brown-headed Cowbird
	2					3	Orchard Oriole
	2	1				9	Baltimore Oriole
11	12	3	6	7	8	53	Total Species
45	27	11	13	30	24	908	Total Individuals
7-Jul	11-Jul	15-Jul	13-Sep	14-Sep	15-Sep	Total	Date
1	1	1	1	1	1	20	Banding Days
0	7	0	1	0	1	99	Recaptures
0	0	0	0	0	0	2	Escapes/releases
0	0	0	0	0	0	0	Casualties
45	34	11	14	30	25	1009	Total birds handled
10(9.5)	10(9.5)	10(9.5)	16	16	16		Nets
28.5	47.75	47.5	78	123	63	1122.5	Net hours
1.58	0.57	0.23	0.17	0.24	0.38	0.81	Birds banded per net hour
0.00	0.00	0.00	0.00	0.00	0.00	0.00	% Casualties per bird handled
0	2	0	0	0	1	11	Injured birds
	NOCA				SWTH		
	broken L leg				stress		
	RWBL						
	cut tongue						
							Escaped/released birds
							Casualties
12	2	2	6	14	28	295	Participants
800	800	700	1030	630	600		Start Time
1230	1330	1300	1730	1600	1200		End

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South Bass Island
Avian Recapture Data

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Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min Age	
23-Apr	2621-45536	Tree Swallow	ASY-F	6/23/2015	ASY-F	4	
		Recovery					
30-Apr	2740-30202	Black-capped Chickadee	AHY-M	9/12/2014	HY-U	3	
30-Apr	2741-50785	White-breasted Nuthatch	AHY-M	5/8/2016	AHY-M	2	
30-Apr	1352-07876	American Robin	AHY-F	5/7/2012	SY-F	6	
30-Apr	962-51881	American Robin	ASY-M	5/3/2015	SY-M	3	
30-Apr	2451-26615	Northern Cardinal	AHY-M	9/12/2014	HY-M	3	
30-Apr	2451-26747	Northern Cardinal	AHY-F	9/15/2016	HY-F	1	
30-Apr	1212-76371	Red-winged Blackbird	ASY-M	5/13/2015	SY-M	3	
30-Apr	1372-28708	Red-winged Blackbird	ASY-M	5/9/2016	SY-M	2	
30-Apr	2661-49279	Brown-headed Cowbird	AHY-F	5/3/2015	AHY-F	3	
1-May	2471-72252	White-throated Sparrow	AHY-U	4/30/2017	AHY-U	1	
1-May	2471-72261	White-throated Sparrow	SY-F	4/30/2017	SY-F	1	
1-May	1372-28722	Red-winged Blackbird	ASY-M	5/11/2016	SY-M	2	
1-May	1433-10217	Common Grackle	ASY-M	5/1/2013	ASY-M	6	
2-May	2471-72264	Downy Woodpecker	ATY-M	4/30/2017	TY-M	3	
2-May	1713-80774	Common Grackle	ASY-M	4/30/2017	ASY-M	2	
3-May	2780-96948	House Wren	SY-U	5/1/2017	SY-U	1	
3-May	2750-50611	Black-capped Chickadee	AHY-F	5/3/2015	AHY-F	3	
3-May	2780-96942	Black-capped Chickadee	AHY-F	4/30/2017	AHY-F	1	
3-May	1372-35674	American Robin	SY-F	4/30/2017	SY-F	1	
3-May	1372-35682	American Robin	AHY-M	4/30/2017	AHY-M	1	
3-May	1372-35683	American Robin	SY-M	4/30/2017	SY-M	1	
3-May	2471-72259	White-throated Sparrow	SY-F	4/30/2017	SY-U	1	
3-May	2710-07317	Yellow Warbler	ASY-F	5/5/2013	SY-F	5	
3-May	1352-69547	Red-winged Blackbird	ASY-M	4/27/2014	SY-M	4	
3-May	1212-76383	Red-winged Blackbird	ASY-M	6/23/2015	SY-M	3	
3-May	1372-03683	Red-winged Blackbird	ASY-M	5/8/2016	SY-M	2	
3-May	1372-28731	Red-winged Blackbird	ASY-M	6/21/2016	SY-M	2	
3-May	1372-35688	Red-winged Blackbird	SY-M	5/1/2017	SY-M	1	
3-May	1372-35693	Red-winged Blackbird	ASY-M	5/1/2017	ASY-M	2	
3-May	2701-36694	Brown-headed Cowbird	AHY-M	5/1/2017	SY-M	1	
7-May	2780-96956	Black-capped Chickadee	AHY-M	5/3/2017	AHY-U	1	
7-May	2741-50785	White-breasted Nuthatch	AHY-M	5/8/2016	AHY-M	2	
7-May	2471-72272	Gray-cheeked Thrush	AHY-U	5/3/2017	AHY-U	1	
7-May	1372-35706	American Robin	SY-F	5/3/2017	SY-F	1	
7-May	2660-02600	Yellow Warbler	ASY-M	6/23/2012	ASY-M	7	
7-May	2780-96644	Yellow Warbler	ASY-F	6/21/2016	SY-F	2	
7-May	2471-72259	White-throated Sparrow	SY-F	4/30/2017	SY-U	1	
7-May	2471-72271	White-throated Sparrow	SY-U	5/3/2017	SY-U	1	
7-May	2451-26769	Northern Cardinal	AHY-M	9/23/2016	HY-M	1	

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South Bass Island
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Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min Age	
7-May	2451-26770	Northern Cardinal	AHY-M	9/23/2016	HY-M	1	
7-May	1372-03688	Red-winged Blackbird	ASY-M	5/8/2016	ASY-M	3	
7-May	1951-38605	Red-winged Blackbird	ASY-F	5/3/2017	ASY-F	2	
8-May	2780-96956	Black-capped Chickadee	AHY-M	5/3/2017	AHY-U	1	
8-May	1212-76341	Red-winged Blackbird	ASY-M	5/6/2015	SY-M	3	
8-May	8081-78597	Red-winged Blackbird	ASY-F	6/21/2016	SY-F	2	
9-May	2780-96943	Black-capped Chickadee	SY-U	4/30/2017	SY-U	1	
9-May	0962-51881	American Robin	AHY-M	5/3/2015	SY-M	3	
9-May	1372-35692	American Robin	SY-M	5/1/2017	SY-M	1	
9-May	2471-72261	White-throated Sparrow	SY-F	4/30/2017	SY-F	1	
9-May	2451-26758	Northern Cardinal	AHY-M	9/16/2016	HY-M	1	
9-May	1352-07831	Red-winged Blackbird	ASY-M	5/1/2012	SY-M	6	
9-May	1372-28708	Red-winged Blackbird	ASY-M	5/9/2016	SY-M	2	
10-May	2711-63631	Downy Woodpecker	ATY-M	5/13/2015	SY-M	3	
10-May	1881-77412	Tree Swallow	AHY-F	5/8/2016	AHY-F	2	
10-May	1881-77417	Tree Swallow	AHY-M	5/8/2016	AHY-M	2	
10-May	2471-72272	Gray-cheeked Thrush	AHY-U	5/3/2017	AHY-U	1	
10-May	1372-35670	American Robin	SY-F	4/30/2017	SY-U	1	
10-May	1372-35682	American Robin	SY-M	4/30/2017	AHY-M	1	
10-May	2780-96611	Yellow Warbler	ASY-M	5/8/2016	SY-M	2	
10-May	1292-22422	Red-winged Blackbird	ASY-M	5/2/2010	ASY-M	9	
10-May	1581-79324	Red-winged Blackbird	ASY-F	7/2/2013	SY-F	5	
10-May	1581-79332	Red-winged Blackbird	ASY-f	7/2/2013	ASY-F	6	
10-May	1581-79351	Red-winged Blackbird	ASY-F	7/9/2013	SY-F	5	
10-May	8081-78325	Red-winged Blackbird	ASY-F	5/11/2015	ASY-F	4	
13-Jun	2711-63620	Brown-headed Cowbird	AHY-F	5/6/2015	AHY-F	3	
13-Jun	1951-38615	Brown-headed Cowbird	ASY-M	5/7/2017	ASY-M	2	
		Recoveries					
20-Jun	2750-50893	Yellow Warbler	ASY-M	5/3/2016	SY-M	2	
20-Jun	2780-96679	Yellow Warbler	SY-M	7/12/2016	HY-U	1	
20-Jun	2451-26740	Northern Cardinal	AHY-M	7/5/2016	AHY-M	2	
20-Jun	1352-16450	Red-winged Blackbird	ASY-M	5/1/2013	ASY-M	6	
20-Jun	8081-40588	Red-winged Blackbird	ASY-F	5/7/2014	ASY-F	5	
26-Jun	2701-36618	Red-winged Blackbird	ASY-F	6/28/2016	ASY-F	3	
20-Jun	2701-36633	Red-winged Blackbird	ASY-F	7/12/2016	ASY-F	3	
20-Jun	1372-35708	Red-winged Blackbird	SY-M	5/3/2017	SY-M	1	
26-Jun	1372-28754	Red-winged Blackbird	ASY-M	7/7/2016	ASY-M	3	
20-Jun	1951-38620	Baltimore Oriole	SY-M	5/9/2017	SY-M	1	

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**South Bass Island
Avian Recapture Data**

**H. Thomas Bartlett
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Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min Age	
27-Jun	2660-02600	Yellow Warbler	ASY-M	6/23/2012	ASY-M	7	
27-Jun	2451-26739	Northern Cardinal	AHY-F	7/5/2016	AHY-F	2	
27-Jun	2451-26770	Northern Cardinal	AHY-M	4/30/2017	AHY-M	1	
27-Jun	1292-22422	Red-winged Blackbird	ASY-M	5/2/2010	ASY-M	9	
27-Jun	1372-03658	Red-winged Blackbird	ASY-M	5/2/2016	SY-M	2	
27-Jun	8081-78578	Red-winged Blackbird	ASY-F	5/11/2016	ASY-F	3	
27-Jun	1372-28731	Red-winged Blackbird	ASY-M	6/21/2016	SY-M	2	
27-Jun	1372-35768	Red-winged Blackbird	SY-M	6/20/2017	SY-M	1	
27-Jun	2471-72406	Brown-headed Cowbird	AHY-F	6/20/2017	AHY-F	1	
27-Jun	8081-78591	Baltimore Oriole	ASY-F	6/21/2016	ASY-F	3	
29-Jun	2780-96670	Barn Swallow	AHY-M	7/7/2016	AHY-M	2	
29-Jun	1352-73621	American Robin	AHY-M	7/1/2014	SY-M	4	
29-Jun	2701-36613	Red-winged Blackbird	ASY-M	6/28/2016	ASY-F	3	
29-Jun	1372-25744	Red-winged Blackbird	SY-M	5/9/2017	SY-M	1	
4-Jul	1352-73604	American Robin	AHY-M	6/27/2014	AHY-M	4	
4-Jul	1372-35796	Red-winged Blackbird	SY-M	6/29/2017	SY-M	1	
11-Jul	1372-35692	American Robin	SY-M	5/1/2017	SY-M	1	
11-Jul	2451-26722	Northern Cardinal	AHY-F	7/14/2015	AHY-F	3	
11-Jul	2451-26774	Northern Cardinal	AHY-M	5/3/2017	AHY-M	1	
11-Jul	8081-78417	Red-winged Blackbird	ASY-F	7/7/2015	SY-F	3	
11-Jul	1372-03696	Red-winged Blackbird	ASY-M	5/8/2016	SY-M	2	
11-Jul	8081-78590	Red-winged Blackbird	ASY-F	6/21/2016	ASY-F	3	
11-Jul	2741-50924	Orchard Oriole	ASY-M	6/21/2016	SY-M	2	
13-Sep	2661-19262	Downy Woodpecker	ATY-F	5/3/2015	TY-F	5	
15-Sep	2471-72436	Gray-cheeked Thrush	HY-U	9/13/2017	HY-U	< 1	

Species	Date		30-Apr	1-May	1-May	3-May	7-May
Canada Goose*	1		6	9	6	6	13
Wood Duck*	1			2		2	2
Mallard*	1		2	14			4
Bufflehead	1			20		8	3
Common Merganser	1						1
Red-breasted Merganser	1		45	65	100	75	65
Horned Grebe	1		1			1	
Mourning Dove*	1			2			
Yellow-billed Cuckoo*	1						
Eastern Whip-poor-will	1				1	1	1
Chimney Swift*	1					2	
Ruby-throated Hummingbird*	1					2	1
Sora*	1						
Killdeer*	1		1				1
Ring-billed Gull*	1			15			
Herring Gull*	1		12	35	5	12	7
Caspian Tern	1			1			1
Forster's Tern	1						
Common Loon	1			1			1
Double-crested Cormorant*	1		12	55	12	45	35
Black-crowned Night-Heron*	1						
Turkey Vulture*	1		7		1	8	4
Bald Eagle*	1			1	1	4	1
Cooper's Hawk*	1		1				2
Accipter species?							
Broad-winged Hawk	1						1
Red-tailed Hawk*	1		1		2	1	
Eastern Screech-Owl*	1						
Great Horned Owl*	1						
Red-headed Woodpecker*	1						1
Red-bellied Woodpecker*	1		1	1	2	4	2
Downy Woodpecker*	1		6	8	6	7	5
Northern Flicker*	1			1	1	3	2
Least Flycatcher*	1					1	
Great Crested Flycatcher*	1						
Blue-headed Vireo	1		4		1	2	2
Philadelphia Vireo	1						
Warbling Vireo*	1			4			1
Red-eyed Vireo*	1						
Blue Jay*	1		2	3	1	10	6
American Crow*	1		2	4	2	4	4
Purple Martin*	1		20	2	45	20	25
Tree Swallow*	1		35	25	35	25	20
Northern Rough-winged Swallow*	1						4
Bank Swallow*	1		2			1	
Cliff Swallow*	1			2			1

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8-May	13-Sep	14-Sep	15-Sep	Species
6	8	14	14	Canada Goose*
				Wood Duck*
7	3	4		Mallard*
				Bufflehead
				Common Merganser
25				Red-breasted Merganser
				Horned Grebe
1				Mourning Dove*
	1			Yellow-billed Cuckoo*
				Eastern Whip-poor-will
				Chimney Swift*
			1	Ruby-throated Hummingbird*
		1		Sora*
		1		Killdeer*
			1	Ring-billed Gull*
8	4	6	6	Herring Gull*
1		2		Caspian Tern
2				Forster's Tern
				Common Loon
12	6	135	25	Double-crested Cormorant*
			1	Black-crowned Night-Heron*
2				Turkey Vulture*
1		1		Bald Eagle*
				Cooper's Hawk*
	1			Accipter species?
				Broad-winged Hawk
				Red-tailed Hawk*
		1	2	Eastern Screech-Owl*
			1	Great Horned Owl*
				Red-headed Woodpecker*
2	1			Red-bellied Woodpecker*
5	4	4	4	Downy Woodpecker*
1		3	2	Northern Flicker*
				Least Flycatcher*
		1	1	Great Crested Flycatcher*
				Blue-headed Vireo
			1	Philadelphia Vireo
	1	1		Warbling Vireo*
		1	1	Red-eyed Vireo*
9	6	10	9	Blue Jay*
4	2	4	6	American Crow*
5				Purple Martin*
8				Tree Swallow*
				Northern Rough-winged Swallow*
				Bank Swallow*
				Cliff Swallow*

Species	Date		30-Apr	1-May	1-May	3-May	7-May
Barn Swallow*	1		8	12	12	6	35
Black-capped Chickadee*	1		15	4	4	15	9
Red-breasted Nuthatch*	1			1			1
White-breasted Nuthatch*	1		3	2	1	1	2
House Wren*	1		1	3	4	6	7
Winter Wren	1						
Carolina Wren*	1		1	3	1	2	1
Blue-gray Gnatcatcher*	1		1	3	1	5	6
Ruby-crowned Kinglet	1		8	7	3	12	4
Eastern Bluebird*	1					2	
Veery*	1						
Gray-cheeked Thrush	1					1	1
Swainson's Thrush	1		1			2	
Hermit Thrush	1		1			3	
Wood Thrush*	1						
Thrush species?	1						
American Robin*	1		40	35	30	45	24
Gray Catbird*	1		5	2		8	3
European Starling*	1			5			2
Cedar Waxwing*	1		5				
House Sparrow*	1			3			
House Finch*	1		2	2	2	2	2
Purple Finch*	1				1		
American Goldfinch*	1		6	6	2	7	6
Ovenbird*	1			1		1	1
Northern Waterthrush	1		2				
Black-and-white Warbler*	1					1	1
Nashville Warbler	1			3		8	5
Common Yellowthroat*	1					1	
American Redstart*	1					2	1
Cape May Warbler	1						
Magnolia Warbler	1						
Bay-breasted Warbler	1						
Blackburnian Warbler	1						
Yellow Warbler*	1		6	7	4	8	13
Chestnut-sided Warbler*	1			1			
Blackpoll Warbler	1						
Black-throated Blue Warbler	1						
Palm Warbler	1		4	6	1		5
Pine Warbler*	1		1				
Yellow-rumped Warbler	1		45	30	15	15	12
Black-throated Green Warbler	1		3	4	1	2	1
Canada Warbler	1						
Wilson's Warbler	1						
Warbler species?							
Chipping Sparrow*	1		1	2	1	2	

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8-May	13-Sep	14-Sep	15-Sep	Species
2				Barn Swallow*
4	6	6	6	Black-capped Chickadee*
	2	2	2	Red-breasted Nuthatch*
		1	1	White-breasted Nuthatch*
3				House Wren*
		1		Winter Wren
1	1	1	1	Carolina Wren*
3				Blue-gray Gnatcatcher*
1				Ruby-crowned Kinglet
				Eastern Bluebird*
		2	4	Veery*
	6	25	10	Gray-cheeked Thrush
	8	40	35	Swainson's Thrush
				Hermit Thrush
			1	Wood Thrush*
		8		Thrush species?
20	9	10	6	American Robin*
	1			Gray Catbird*
	4	10	5	European Starling*
		6		Cedar Waxwing*
				House Sparrow*
1	22	8	4	House Finch*
				Purple Finch*
6	2			American Goldfinch*
	3	4		Ovenbird*
				Northern Waterthrush
				Black-and-white Warbler*
1	1	2	2	Nashville Warbler
				Common Yellowthroat*
			1	American Redstart*
		3	5	Cape May Warbler
		4	3	Magnolia Warbler
		8	8	Bay-breasted Warbler
		1	3	Blackburnian Warbler
7				Yellow Warbler*
				Chestnut-sided Warbler*
		35	30	Blackpoll Warbler
		6	6	Black-throated Blue Warbler
1				Palm Warbler
				Pine Warbler*
1		2		Yellow-rumped Warbler
			2	Black-throated Green Warbler
			1	Canada Warbler
		1		Wilson's Warbler
	8	12		Warbler species?
1				Chipping Sparrow*

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**South Bass Island
Avian Survey**

**H. Thomas Bartlett
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Species	Date		30-Apr	1-May	1-May	3-May	7-May
Field Sparrow*	1						
Swamp Sparrow*	1		1			1	
White-throated Sparrow	1		65	30	24	24	20
White-crowned Sparrow	1						1
Northern Cardinal*	1		9	5	6	12	8
Rose-breasted Grosbeak*	1		1		1	1	2
Indigo Bunting*	1			1			
Red-winged Blackbird*	1		125	100	100	175	125
Common Grackle*	1		45	30	50	35	35
Brown-headed Cowbird*	1		15	10	12	10	10
Orchard Oriole*	1						1
Baltimore Oriole*	1				1	2	5
Total Species	102		46	49		55	
Total Individuals			580	588	498	661	565
Participants			31	10	24	34	11
Time	Start		600	730	1245	600	600
	End		1430	930	1430	1430	1430
	Location		Vineyard	Eastside	Vineyard	Vineyard	Vineyard
				Massie			
	Date		30-Apr	1-May	1-May	3-May	7-May

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South Bass Island
Avian Survey

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8-May	13-Sep	14-Sep	15-Sep	Species
1				Field Sparrow*
				Swamp Sparrow*
12				White-throated Sparrow
				White-crowned Sparrow
7	2	4	4	Northern Cardinal*
1	1		3	Rose-breasted Grosbeak*
				Indigo Bunting*
45				Red-winged Blackbird*
12				Common Grackle*
8				Brown-headed Cowbird*
				Orchard Oriole*
2				Baltimore Oriole*
	25	39	38	Total Species
239	113	391	218	Total Individuals
36	6	14	28	Participants
1300	645	645	630	Time
1500	1600	1600	1200	
Vineyard	Vineyard	Vineyard	Vineyard	Location
8-May	13-Sep	14-Sep	15-Sep	Date

Species /	Year		2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
Black-billed Cuckoo	1											
Ruby-throated Hummingbird	1	2	7	5	1			7	4	1	4	1
Sora	1						1					
Sharp-shinned Hawk	1						1					
Eastern Screech-Owl	1		1	2								
Red-headed Woodpecker	1	1										
Red-bellied Woodpecker	1	5							1		1	
Yellow-bellied Sapsucker	1			1								
Downy Woodpecker	1	4	12	2	2	5	11	6	3	4		
Northern Flicker	1		2			2		1	1			
Eastern Wood-Pewee	1											
Acadian Flycatcher	1									1		
Willow Flycatcher	1									1		
"Trail's" Flycatcher						1	1					
Least Flycatcher	1	2	3	5	1	2	2	1	1	2		
Eastern Phoebe	1		1	2		3	1					
Eastern Kingbird	1	2	1	3		2	5	3	1	1		
White-eyed Vireo	1				1	1				1		
Blue-headed Vireo	1	1		5		2		1				
Philadelphia Vireo	1		1									
Warbling Vireo	1	3	2	4	1	1	4	1				
Red-eyed Vireo	1			1				1				
Blue Jay	1	3	1	8	11	5	8	15	7			2
Purple Martin	1	356			1			54				
Tree Swallow	1	37	74	25	40	32	31	12	4	5		
Northern Rough-winged Swallow	1	6	9	2	5	4	1					
Barn Swallow	1	9	8	10	14	19	9	17	14			
Black-capped Chickadee	1	10	8	5	6	6	7	2	6	2	1	
Red-breasted Nuthatch	1					2		3				
White-breasted Nuthatch	1	1	2	1	1	1						
Brown Creeper	1					1		1				
House Wren	1	7	7	6	7	13	9	2	5	3		
Winter Wren	1			1								
Marsh Wren	1											
Carolina Wren	1		1		1	1			1			2
Blue-gray Gnatcatcher	1		1		1			5		1		
Golden-crowned Kinglet	1		1									
Ruby-crowned Kinglet	1	10	17	19	9	14	5	7		4	1	
Veery	1	3	3	6	1	1	2	1		1		
Gray-cheeked Thrush	1	13	12	6	3	11	4					
Swainson's Thrush	1	25	40	20	24	6	22	1	3	1	2	
Hermit Thrush	1	1	5	13	3	5	3	2				
Wood Thrush	1	3	3	5		2	1		1	1		
American Robin	1	46	59	41	46	68	58	50	25	24	11	
Gray Catbird	1	9	7	43	3	6	17	6	9	6	2	
Brown Thrasher	1		2	3	1	1	4	1		1		
European Starling	1	2		1	1	4		3	1		1	
Cedar Waxwing	1	1	1	5	1		2					
House Sparrow	1	12	6	5	10	37	11	4	4			
House Finch	1	4	4	14	9	4	34	4	6	1		
American Goldfinch	1	1	9	1	2	5	4	11		1		
Ovenbird	1	7	6	24	2	2	5	1	11	2		
Northern Waterthrush	1	1		4	3		4	2	1	1	2	
Golden-winged Warbler	1			1								
Blue-winged Warbler	1			3		3		2				

2007	2006	2005	2004	2003	Total	Species / Year		
1					1	Black-billed Cuckoo		
	1				33	Ruby-throated Hummingbird		
					1	Sora		
					1	Sharp-shinned Hawk		
					3	Eastern Screech-Owl		
					1	Red-headed Woodpecker		
					7	Red-bellied Woodpecker		
					1	Yellow-bellied Sapsucker		
		2			51	Downy Woodpecker		
					6	Northern Flicker		
1				1	2	Eastern Wood-Pewee		
					1	Acadian Flycatcher		
1					2	Willow Flycatcher		
					2	"Trail's" Flycatcher		
2					21	Least Flycatcher		
					7	Eastern Phoebe		
					18	Eastern Kingbird		
	1				4	White-eyed Vireo		
					9	Blue-headed Vireo		
					1	Philadelphia Vireo		
					16	Warbling Vireo		
					2	Red-eyed Vireo		
				1	61	Blue Jay		
					411	Purple Martin		
2			2	1	265	Tree Swallow		
					27	Northern Rough-winged Swallow		
					100	Barn Swallow		
		3	2	1	59	Black-capped Chickadee		
					5	Red-breasted Nuthatch		
					6	White-breasted Nuthatch		
					2	Brown Creeper		
1			3	2	65	House Wren		
					1	Winter Wren		
	1				1	Marsh Wren		
2					8	Carolina Wren		
					8	Blue-gray Gnatcatcher		
					1	Golden-crowned Kinglet		
					86	Ruby-crowned Kinglet		
1	1	2	1		23	Veery		
1					50	Gray-cheeked Thrush		
6	2	5	5	1	163	Swainson's Thrush		
					32	Hermit Thrush		
		2			18	Wood Thrush		
8	2	10	8	2	458	American Robin		
5	5	3	2		123	Gray Catbird		
					13	Brown Thrasher		
		1			14	European Starling		
					10	Cedar Waxwing		
					89	House Sparrow		
		2			82	House Finch		
					34	American Goldfinch		
		1			61	Ovenbird		
1	1				20	Northern Waterthrush		
					1	Golden-winged Warbler		
					8	Blue-winged Warbler		

H. Thomas Bartlett
Federal Permit # 21624

**South Bass Island
Bird Banding Historical Totals
2003-2017**

Dr. James Marshall
Federal Permit # 21624-G

Species /	Year		2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
Black-and-white Warbler	1			1	13	2	2	1	2		1		
Tennessee Warbler	1				1		1	2		2			
Orange-crowned Warbler	1	2		1	1								
Nashville Warbler	1	6		17	4	6	1	15	6	5	1		
Connecticut Warbler	1						1		1				
Mourning Warbler	1			1									
Kentucky Warbler	1								1			2	
Common Yellowthroat	1	1		5	20	3	3	5	4	3	4	2	
Hooded Warbler	1				1								
American Redstart	1	1		5	8		2					1	
Cape May Warbler	1			1									
Northern Parula	1				1								
Magnolia Warbler	1			5	5		2	2		1	2	1	
Bay-breasted Warbler	1	4				1							
Blackburnian Warbler	1				1								
Yellow Warbler	1	20		35	15	4	33	22	17	11	13	2	
Chestnut-sided Warbler	1			2	2			1	1				
Blackpoll Warbler	1	9		10	1		11	3					
Black-throated Blue Warbler	1	5		3	7	3	2		1		1		
"Western" Palm Warbler	1	1		7	12	5	1	17	10	2	1		
Yellow-rumped Warbler	1	5		29	15	3	2	71	11	2	1		
Black-throated Green Warbler	1			2	4	3		4	1				
Canada Warbler	1							1					
Wilson's Warbler	1									1	1		
Yellow-breasted Chat	1							1					
Eastern Towhee	1				1	1				1			
Chipping Sparrow	1	1		1	2	3		1					
Clay-colored Sparrow	1							1					
Field Sparrow	1				2	3		2	1	1	1		
Savannah Sparrow	1									1			
Song Sparrow	1			1		1	2	3			1		
Lincoln's Sparrow	1	5		7	5	4	1	4	4	9	4		
Swamp Sparrow	1	2		2	7	5	2	3	6	1	1		
White-throated Sparrow	1	44		56	61	42	16	22	31	14	3	2	
White-crowned Sparrow	1	1		4	4			4	14	7			
Northern Cardinal	1	15		22	10	11	20	16	17	5	8	8	
Rose-breasted Grosbeak	1			5	6		1	1	3		1		
Indigo Bunting	1	1		3	2			3	2		3		
Red-winged Blackbird	1	153		180	171	151	251	213	140	125	44	40	
Common Grackle	1	22		35	24	10	40	62	35	35	18	18	
Brown-headed Cowbird	1	11		3	6	1	9	2	7	9	8		
Orchard Oriole	1	3		2	1		1		8				
Baltimore Oriole	1	9		30	30	4	18	17	12		9	1	
Total species banded	97	49		62	67	51	59	56	56	42	41	20	
Total birds banded		908		791	745	477	696	771	560	343	192	102	
Recaptures		99		101	92	83	133	78	61	45	26	6	
Net Hours		1123		1178	880.3	945.25	1040.25	952.00	739.00	430.50	363.75	238.50	
Birds banded per net hour		0.81		0.67	0.85	0.50	0.67	0.78	0.76	0.80	0.53	0.43	
Total species		49		62	67	69	59	56	56	42	40	20	
Nets (maximum)		20		20	17	20	20	16	16	16	14	13	
Banding Days		20		20	17	16	20	19	15	8	6	5	
H. Thomas Bartlett - Federal Permit # 21624					Red = newly banded species for SBI in 2017								
hthomas.bartlett@gmail.com			Purple Martins banded by Tom Kashmer at island martin colonies										

2007	2006	2005	2004	2003	Total	Species / Year		
					22	Black-and-white Warbler		
					6	Tennessee Warbler		
					4	Orange-crowned Warbler		
1	2	3	1		68	Nashville Warbler		
					2	Connecticut Warbler		
1			1	1	4	Mourning Warbler		
					3	Kentucky Warbler		
2		4			56	Common Yellowthroat		
1					2	Hooded Warbler		
				1	18	American Redstart		
					1	Cape May Warbler		
					1	Northern Parula		
13	1	1	1		34	Magnolia Warbler		
					5	Bay-breasted Warbler		
					1	Blackburnian Warbler		
7	5	3	2	2	191	Yellow Warbler		
6					12	Chestnut-sided Warbler		
					34	Blackpoll Warbler		
1					23	Black-throated Blue Warbler		
1	1		1		59	"Western" Palm Warbler		
1					140	Yellow-rumped Warbler		
1					15	Black-throated Green Warbler		
1				1	3	Canada Warbler		
1			1	1	5	Wilson's Warbler		
1					2	Yellow-breasted Chat		
					3	Eastern Towhee		
					8	Chipping Sparrow		
					1	Clay-colored Sparrow		
1					11	Field Sparrow		
					1	Savannah Sparrow		
					8	Song Sparrow		
1	1				45	Lincoln's Sparrow		
					29	Swamp Sparrow		
1	1	1			294	White-throated Sparrow		
		1	2		37	White-crowned Sparrow		
	2	3	2		139	Northern Cardinal		
					17	Rose-breasted Grosbeak		
2					16	Indigo Bunting		
14	10	12	4	4	1512	Red-winged Blackbird		
5	1	2	1		308	Common Grackle		
1	1		1	1	60	Brown-headed Cowbird		
					15	Orchard Oriole		
4	1	7			142	Baltimore Oriole		
35	19	20	18	14	96	Total species banded		
99	40	68	40	20	5852	Total birds banded		
1	1	0	0	0	726	Recaptures		
89.75	49.50	51.00	48.00	47.50	8175.75	Net Hours		
1.10	0.81	1.33	0.83	0.42	0.72	Birds banded per net hour		
35	17	20	18	15	625	Total species		
13	9	10	8	8	220	Nets (maximum)		
2	1	1	1	1	152	Banding Days		
						H. Thomas Bartlett Federal Permit # 21624		
						htthomas.bartlett@gmail.com		

South Bass Islands Bird Banding Totals 2003-2017

1	Black-billed Cuckoo – 2007	82	House Finch - 2005
33	Ruby-throated Hummingbird – 2006	34	American Goldfinch - 2009
1	Sora – 2013	3	Eastern Towhee - 2010
1	Sharp-shinned Hawk – 2013	8	Chipping Sparrow – 2012
3	Eastern Screech-Owl – 2015	1	Clay-colored Sparrow – 2012
1	Red-headed Woodpecker (2017)	11	Field Sparrow –2007
7	Red-bellied Woodpecker – 2009	1	Savannah Sparrow – 2011
1	Yellow-bellied Sapsucker – 2015	8	Song Sparrow – 2009
51	Downy Woodpecker – 2005	45	Lincoln's Sparrow – 2006
6	Northern Flicker (Yellow-shafted) – 2010	29	Swamp Sparrow – 2009
2	Eastern Wood-Pewee – 2003	294	White-throated Sparrow – 2004
1	Acadian Flycatcher –2010	37	White-crowned Sparrow (Eastern) – 2004
2	Willow Flycatcher – 2007	2	Yellow-breasted Chat – 2007
2	“Trail’s” Flycatcher – 2012	15	Orchard Oriole – 2011
21	Least Flycatcher – 2009	142	Baltimore Oriole – 2005
7	Eastern Phoebe – 2012	60	Brown-headed Cowbird –2003
18	Eastern Kingbird – 2009	1512	Red-winged Blackbird – 2003
4	White-eyed Vireo – 2006	308	Common Grackle – 2004
9	Blue-headed Vireo – 2011	61	Ovenbird - 2005
16	Warbling Vireo – 2011	20	Northern Waterthrush - 2006
1	Philadelphia Vireo – 2016	1	Golden-winged Warbler - 2015
2	Red-eyed Vireo – 2011	8	Blue-winged Warbler - 2011
61	Blue Jay – 2003	22	Black-and-white Warbler - 2009
411	Purple Martin – 2011	6	Tennessee Warbler- 2010
265	Tree Swallow – 2003	4	Orange-crowned Warbler - 2015
27	Northern Rough-winged Swallow – 2012	68	Nashville Warbler - 2004
100	Barn Swallow – 2010	2	Connecticut Warbler- 2011
59	Black-capped Chickadee – 2003	4	Mourning Warbler - 2003
5	Red-breasted Nuthatch – 2011	3	Kentucky Warbler - 2008
6	White-breasted Nuthatch – 2013	56	Common Yellowthroat - 2005
2	Brown Creeper – 2011	2	Hooded Warbler - 2007
65	House Wren – 2003	18	American Redstart - 2003
1	Winter Wren – 2007	1	Cape May Warbler - 2016
1	Marsh Wren – 2006	1	Northern Parula - 2014
8	Carolina Wren - 2007	34	Magnolia Warbler - 2004
8	Blue-gray Gnatcatcher - 2009	5	Bay-breasted Warbler - 2014
1	Golden-crowned Kinglet - 2016	1	Blackburnian Warbler - 2015
86	Ruby-crowned Kinglet - 2008	191	Yellow Warbler - 2003
23	Veery - 2004	12	Chestnut-sided Warbler - 2007
50	Gray-cheeked Thrush - 2007	34	Blackpoll Warbler - 2012
163	Swainson's Thrush - 2003	23	Black-throated Blue Warbler -2007
32	Hermit Thrush - 2011	59	Palm Warbler (“Western”) - 2004
18	Wood Thrush - 2005	140	Yellow-rumped (“Myrtle”) Warbler - 2007
458	American Robin - 2003	15	Black-throated Green Warbler - 2007
123	Gray Catbird - 2004	3	Canada Warbler - 2003
13	Brown Thrasher - 2009	5	Wilson's Warbler – 2003
14	European Starling - 2008	139	Northern Cardinal – 2004
10	Cedar Waxwing - 2012	17	Rose-breasted Grosbeak – 2009
89	House Sparrow - 2010	16	Indigo Bunting – 2007

South Bass Islands Bird Banding Totals 2003-2017

97 Species

5,852 Total Individuals

Includes all species of birds and individuals banded by the Researchers between 2003 and 2016 on South Bass Island and Gibraltar Island.

1st Column = Total individuals banded
2nd Column = Species / Subspecies
3rd Column = first year banded

Bold = unusual species for Lake Erie Islands
Red = new for SBI banding list/study 2017

Banding Days = 152
Total Birds Banded = 5852
Total Escapes/releases = 49
Birds banded per net hour = 0.72
Total Birds Handled = 6640

Net hours = 8175.75
Total Recaptures = 726
Total Casualties = 13
% Casualties per bird handled = 0.20
Birds handled per net hour = 0.81

Banders and Researchers:

H. Thomas Bartlett
1833 South Winfield Drive
Tiffin, Ohio 44883
419-447-0005
hthomas.bartlett@gmail.com
Federal Permit # 21624

Dr. James Marshall
11912 Deacon Drive
Rockton, IL 61072
614-746-8434
JMarshall@rockford.edu
Federal Permit # 23815 & 21624-G

Research Associate
Department of Ornithology
Cleveland Museum of Natural History
1 Wade Oval, University Circle
Cleveland, Ohio 44106

Associate Professor of Biology
5050 East State Street
Chemical and Biological Sciences
Rockford University
Rockford, IL 61108

Dr. James Marshall
Federal Permit # 21624-G

Middle Bass island
2017 Bird Banding Data

H. Thomas Bartlett
Federal Permit # 21624

Species	Date		23-Apr	24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	11-Jun	12-Jun	22-Jun	30-Jun	6-Jul
Yellow-billed Cuckoo	1												
Ruby-throated Hummingbird	1								1				
Eastern Screech-Owl	1												
Red-bellied Woodpecker	1	1											
Downy Woodpecker	1												
Northern Flicker	1	1											
Eastern Wood-Pewee	1												
Yellow-bellied Flycatcher	1									3			
Warbling Vireo	1								1				
Philadelphia ireo	1												
Red-eyed Vireo	1								2				
Blue Jay	1	1	6	2	2								
Tree Swallow	1	7					2						
Barn Swallow	1												
Black-capped Chickadee	1												1
White-breasted Nuthatch	1												
Brown Creeper	1	1											
House Wren	1	1	2	1				4					
Winter Wren	1												
Carolina Wren	1			1	1								
Golden-crowned Kinglet	1												
Ruby-crowned Kinglet	1	3	1	1	3	1							
Gray-cheeked Thrush	1												
Swainson's Thrush	1						1			1			
Hermit Thrush	1	1	2	1				1					
Wood Thrush	1						1						
American Robin	1	22	3	3	2			1	4	3			2
Gray Catbird	1						1		2				
Brown Thrasher	1							1					
European Starling	1	4											
House Sparrow	1												
American Goldfinch	1								2			1	
Ovenbird	1												
Northern Waterthrush	1					1	1						
Blue-winged Warbler	1					1							

Dr. James Marshall
Federal Permit # 21624-G

Middle Bass island
2017 Bird Banding Data

H. Thomas Bartlett
Federal Permit # 21624

13-Jul	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	2-Oct	3-Oct	4-Oct	5-Oct	Total	Species	Date
	1									1	Yellow-billed Cuckoo	
			1							2	Ruby-throated Hummingbird	
		1					2			3	Eastern Screech-Owl	
										1	Red-bellied Woodpecker	
	1					1	1			3	Downy Woodpecker	
										1	Northern Flicker	
			1							1	Eastern Wood-Pewee	
		1	1							5	Yellow-bellied Flycatcher	
										1	Warbling Vireo	
	1									1	Philadelphia Vireo	
	2		2				1			7	Red-eyed Vireo	
							1			12	Blue Jay	
										9	Tree Swallow	
2										2	Barn Swallow	
	3									4	Black-capped Chickadee	
						1	1			2	White-breasted Nuthatch	
										1	Brown Creeper	
	1						1			10	House Wren	
	2						2	1	1	6	Winter Wren	
									1	3	Carolina Wren	
									2	2	Golden-crowned Kinglet	
									1	10	Ruby-crowned Kinglet	
	1	4	1	1		3	3		3	16	Gray-cheeked Thrush	
	4	2	1	1	1	3	1	1	1	17	Swainson's Thrush	
					1				2	8	Hermit Thrush	
			1							2	Wood Thrush	
2						1				43	American Robin	
	1			1						5	Gray Catbird	
										1	Brown Thrasher	
										4	European Starling	
							1	2	1	4	House Sparrow	
										3	American Goldfinch	
	1		1					1	2	5	Ovenbird	
										2	Northern Waterthrush	
										1	Blue-winged Warbler	

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Middle Bass island 2017 Bird Banding Data

H. Thomas Bartlett
Federal Permit # 21624

[illegible]

Federal Permit # 21624-G

2017 Bird Banding Data

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[illegible]

Dr. James Marshall
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Middle Bass island 2017 Bird Banding Data

H. Thomas Bartlett
Federal Permit # 21624

[illegible]

Dr. James Marshall
Federal Permit # 21624-G

Middle Bass island
2017 Bird Banding Data

H. Thomas Bartlett
Federal Permit # 21624

13-Jul	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	2-Oct	3-Oct	4-Oct	5-Oct	Total	Species
1	1	1	1	1	1	1	1	1	1	21	Banding Days
4	3	0	5	2	0	2	6	2	8	126	Recaptures
0	0	0	1	0	0	0	0	0	0	6	Escapes/releases
0	0	0	0	0	0	0	0	0	0	0	Casualties
10	30	11	28	10	5	15	25	7	40	614	Total birds handled
9.5	22(21)	22(21)	22(21)	12(11.75)	13(12.25)	22(21)	19(18.25)	16(15.25)	22(21)		Nets
28.50	189.00	147.00	168.00	123.50	129.25	124.00	124.25	92.00	126.00	2283	Net hours
0.21	0.14	0.07	0.13	0.06	0.04	0.10	0.15	0.05	0.25	0.21	Birds banded per net hour
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	% Casualties per bird handled
0	0	0	0	0	0	0	1	0	0	16	Injured birds
							DOWO				
							cut wing				
			BLPW								Escaped/released birds
											Casualties
3	9	11	12	24	13	15	15	8	9	228	Participants
930	600	600	600	600	600	600	600	600	600		Start Time
1300	1700	1530	1530	1530	1230	1730	1645	1530	1420		End
											Owl Banding
		1				1	1			3	Days
		2				2	2				Nets
		1.00				1.50	1.00			3.50	Net hours
		0.50				0.00	2.00			0.86	Owl per net hour

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min Age	Original Banding
23-Apr	2471-02607	Downy Woodpecker	SY-M	9/26/2016	HY-M	1	
23-Apr	2471-02623	Downy Woodpecker	SY-M	9/27/2016	HY-M	1	
23-Apr	2780-96902	Black-capped Chickadee	AHY-M	9/26/2016	HY-U	2	
23-Apr	2750-50833	Black-capped Chickadee	ASY-M	9/30/2015	HY-U	2	
23-Apr	0962-51815	American Robin	ASY-M	4/26/2015	SY-M	3	
23-Apr	2471-02602	Red-winged Blackbird	ASY-F	4/24/2016	ASY-F	3	
23-Apr	1372-03633	Red-winged Blackbird	ASY-M	4/29/2016	ASY-M	3	
23-Apr	2701-36607	Red-winged Blackbird	ASY-F	6/23/2016	SY-F	2	
23-Apr	2451-26725	Northern Cardinal	AHY-M	4/24/2016	AHY-M	2	
24-Apr	2471-72202	Hermit Thrush	SY-U	4/23/2017	SY-U	1	
24-Apr	1372-03609	American Robin	AHY-M	4/25/2016	SY-F	1	
24-Apr	1372-35626	European Starling	AHY-M	4/23/2017	AHY-M	1	
24-Apr	1272-76485	Red-winged Blackbird	ASY-M	4/24/2016	SY-M	2	
25-Apr	2471-02633	Downy Woodpecker	SY-F	9/27/2016	HY-F	1	
25-Apr	1372-35608	Blue Jay	SY-U	4/23/2017	SY-U	1	
25-Apr	2590-87798	Black-capped Chickadee	AHY-F	9/30/2010	HY-U	7	
25-Apr	2780-96930	House Wren	AHY-U	4/24/2017	AHY-U	1	
25-Apr	0962-57814	American Robin	AHY-M	4/26/2015	SY-M	3	
25-Apr	1372-28798	American Robin	SY-M	4/23/2017	SY-M	1	
25-Apr	1372-28800	American Robin	SY-M	4/23/2017	SY-U	1	
25-Apr	1372-35602	American Robin	AHY-M	4/23/2017	AHY-M	1	
25-Apr	1372-35606	American Robin	SY-U	4/23/2017	SY-F	1	
25-Apr	1372-28758	Red-winged Blackbird	ASY-M	7/11/2016	ASY-M	3	
26-Apr	1372-35650	Blue Jay	SY-U	4/25/2017	SY-M	1	
26-Apr	2051-59921	Tree Swallow	SY-F	4/23/2017	SY-F	1	
26-Apr	2471-72211	Carolina Wren	AHY-M	4/25/2017	SY-U	1	
26-Apr	2780-96926	Black-capped Chickadee	AHY-F	9/30/2016	HY-U	1	
26-Apr	962-51850	American Robin	AHY-M	4/28/2015	SY-M	3	
26-Apr	1372-28799	American Robin	SY-M	4/23/2017	SY-M	1	
26-Apr	1372-35606	American Robin	SY-F	4/23/2017	SY-F	1	
26-Apr	2471-72201	Brown-headed Cowbird	AHY-F	4/23/2017	AHY-F	1	
26-Apr	2471-72205	Brown-headed Cowbird	AHY-F	4/24/2017	AHY-F	1	
27-Apr	1372-35635	American Robin	SY-M	4/25/2017	AHY-M	1	
27-Apr	2451-26726	Northern Cardinal	AHY-F	4/26/2016	AHY-F	1	
28-Apr	2471-02623	Downy Woodpecker	SY-M	9/27/2016	HY-M	1	
28-Apr	2750-50833	Black-capped Chickadee	AHY-U(m)	9/30/2015	HY-U	2	
28-Apr	1372-35602	American Robin	AHY-M	4/23/2017	AHY-M	1	
28-Apr	1372-35612	American Robin	SY-M	4/23/2017	SY-M	1	
28-Apr	2471-72237	White-throated Sparrow	SY-U	4/27/2017	SY-U	1	
28-Apr	2451-26743	Northern Cardinal	AHY-F	7/14/2016	AHY-F	2	

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min Age	Original Banding
28-Apr	1232-44993	Red-winged Blackbird	ASY-M	6/26/2014	SY-M	3	
28-Apr	1372-35631	Red-winged Blackbird	SY-M	4/23/2017	SY-M	1	
28-Apr	2471-72201	Brown-headed Cowbird	AHY-F	4/23/2017	AHY-F	1	
17-May	1372-03605	American Robin	AHY-M	4/25/2016	AHY-M	2	MBI
		Recovery					
11-Jun	2471-02607	Downy Woodpecker	SY-M	9/26/2016	HY-M	1	
11-Jun	1713-80767	Northern Flicker	SY-F	4/23/2017	SY-F	1	
11-Jun	2740-30208	Black-capped Chickadee	AHY-M	9/22/2014	HY-U	3	
11-Jun	2780-96657	House Wren	AHY-M	6/30/2016	HY-U	1	
11-Jun	1372-35612	American Robin	SY-M	4/23/2017	SY-M	1	
11-Jun	2451-06092	Northern Cardinal	AHY-M	6/27/2013	AHY-M	5	
11-Jun	1372-35630	Red-winged Blackbird	SY-M	4/23/2017	SY-M	1	
11-Jun	1372-35657	Red-winged Blackbird	SY-M	4/25/2017	SY-M	1	
11-Jun	2741-50925	Brown-headed Cowbird	AHY-F	6/21/2016	ASY-F	2	
11-Jun	2471-72205	Brown-headed Cowbird	AHY-F	4/24/2017	AHY-F	1	
11-Jun	2701-36620	Baltimore Oriole	ASY-M	6/30/2016	SY-M	2	
12-Jun	2590-87798	Black-capped Chickadee	AHY-F	9/30/2010	HY-U	7	
12-Jun	2780-96926	Black-capped Chickadee	AHY-F	9/30/2016	HY-U	1	
12-Jun	1372-03631	American Robin	AHY-M	4/29/2016	AHY-M	2	
12-Jun	1372-35607	American Robin	SY-F	4/23/2017	SY-F	1	
12-Jun	2780-96969	Yellow Warbler	SY-M	6/11/2017	SY-M	1	
12-Jun	2780-96975	Yellow Warbler	SY-F	6/11/2017	SY-F	1	
12-Jun	2641-40772	Red-winged Blackbird	ASY-F	6/20/2013	SY-F	5	
12-Jun	1352-69540	Red-winged Blackbird	ASY-M	4/23/2014	SY-M	4	
12-Jun	2701-36607	Red-winged Blackbird	ASY-F	6/23/2016	ASY-F	3	
12-Jun	1372-35613	Red-winged Blackbird	SY-M	4/23/2017	SY-M	1	
12-Jun	1951-38639	Red-winged Blackbird	SY-F	6/11/2017	SY-F	1	
12-Jun	1951-38662	Red-winged Blackbird	SY-F	6/11/2017	SY-F	1	
12-Jun	1951-38642	Red-winged Blackbird	SY-F	6/11/2017	SY-F	1	
12-Jun	2701-36602	Baltimore Oriole	AHY-F	6/23/2016	SY-F	2	
22-Jun	1372-35607	American Robin	AHY-F	4/23/2017	AHY-F	1	
22-Jun	1372-35618	American Robin	AHY-F	4/23/2017	SY-U	1	
22-Jun	1372-35650	American Robin	AHY-M	4/25/2017	SY-M	1	
22-Jun	1372-35762	American Robin	SY-F	6/12/2017	SY-F	1	
22-Jun	2780-96967	Yellow Warbler	ASY-M	6/11/2017	ASY-M	1	
22-Jun	8081-78201	Red-winged Blackbird	ASY-F	4/27/2015	ASY-F	4	
22-Jun	1372-35758	Red-winged Blackbird	SY-M	6/11/2017	SY-M	1	
22-Jun	1372-35630	Red-winged Blackbird	SY-M	4/23/2017	SY-M	1	
22-Jun	2471-72201	Brown-headed Cowbird	AHY-F	4/23/2017	AHY-F	1	
22-Jun	2471-72405	Brown-headed Cowbird	AHY-F	6/12/2017	AHY-F	1	
22-Jun	1951-38679	Baltimore Oriole	ASY-F	6/12/2017	ASY-F	2	

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min Age	Original Banding
30-Jun	1372-35621	American Robin	SY-M	4/23/2017	SY-U	1	
30-Jun	1372-35754	American Robin	AHY-F	6/11/2017	SY-F	1	
30-Jun	2780-96969	Yellow Warbler	ASY-M	6/11/2017	SY-M	1	
30-Jun	2451-26726	Northern Cardinal	AHY-F	4/26/2016	AHY-F	2	
30-Jun	2471-72201	Brown-headed Cowbird	AHY-F	4/23/2017	AHY-F	1	
30-Jun	2471-72205	Brown-headed Cowbird	AHY-F	4/24/2017	AHY-F	1	
30-Jun	1951-38665	Baltimore Oriole	SY-M	6/11/2017	SY-M	1	
6-Jul	1713-80767	Yellow-shafted Flicker	SY-F	4/23/2017	SY-F	1	
6-Jul	2750-50841	Yellow Warbler	ASY-M	4/26/2016	ASY-M	3	
6-Jul	2411-72013	Red-winged Blackbird	ASY-F	5/2/2010	SY-F	8	SBI
6-Jul	1951-38670	Red-winged Blackbird	ASY-F	6/11/2017	ASY-F	2	
6-Jul	2451-26743	Northern Cardinal	AHY-F	7/14/2016	AHY-F	2	
6-Jul	2451-26763	Northern Cardinal	AHY-F	4/24/2017	AHY-F	1	
6-Jul	2451-26764	Northern Cardinal	SY-M	4/25/2017	SY-M	1	
13-Jul	0962-51850	American Robin	AHY-M	4/28/2015	SY-M	3	
13-Jul	1372-35761	American Robin	SY-M	6/12/2017	SY-M	1	
13-Jul	2451-26764	Northern Cardinal	SY-M	4/25/2017	SY-M	1	
13-Jul	2451-26765	Northern Cardinal	SY-F	4/25/2017	SY-F	1	
25-Sep	2780-96673	Black-capped Chickadee	AHY-U	7/11/2016	HY-U	1	
25-Sep	2780-96902	Black-capped Chickadee	AHY-U	9/26/2016	HY-U	1	
25-Sep	2840-13966	Black-capped Chickadee	HY-U	7/6/2017	HY-U	>1	
27-Sep	2471-72473	Downy Woodpecker	HY-F	9/25/2017	HY-F	>1	
27-Sep	2840-14114	Black-capped Chickadee	HY-U	9/25/2017	HY-U	>1	
27-Sep	2780-96902	Black-capped Chickadee	AHY-U	9/26/2016	HY-U	1	
27-Sep	2471-72213	Carolina Wren	AHY-U	4/26/2017	AHY-U	1	
27-Sep	2840-14115	Blackpoll Warbler	HY-M	9/25/2017	HY-M	>1	
28-Sep	2471-02623	Downy Woodpecker	SY-M	9/26/2016	HY-M	1	
28-Sep	2471-72485	Gray-cheeked Thrush	HY-U	9/26/2017	HY-U	>1	
2-Oct	2740-30208	Black-capped Chickadee	AHY-U	9/22/2014	HY-U	3	
2-Oct	2840-13966	Black-capped Chickadee	HY-U	7/6/2017	HY-U	>1	
3-Oct	2471-02620	Downy Woodpecker	SY-M	9/27/2016	HY-M	1	
3-Oct	2721-38101	Red-eyed Vireo	HY-U	9/27/2017	HY-U	>1	
3-Oct	2471-72211	Carolina Wren	AHY-U	4/25/2017	SY-U	1	
3-Oct	2780-96673	Black-capped Chickadee	AHY-U	7/11/2016	HY-U	1	
3-Oct	2780-96902	Black-capped Chickadee	AHY-U	9/26/2016	HY-U	1	
3-Oct	2471-72494	Gray-cheeked Thrush	HY-U	10/2/2017	HY-U	>1	

Dr. James Marshall
Federal Permit # 21624-G

Middle Bass Island
2017 Bird Recapture Data

H. Thomas Bartlett
Federal Permit # 21624

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min Age	Original Banding
4-Oct	2590-87798	Black-capped Chickadee	AHY-U	9/30/2010	HY-U	7	
4-Oct	2780-96673	Black-capped Chickadee	AHY-U	7/11/2016	HY-U	1	
5-Oct	2471-72473	Downy Woodpecker	HY-F	9/25/2017	HY-F	>1	
5-Oct	2780-96673	Black-capped Chickadee	AHY-U	7/11/2016	HY-U	1	
5-Oct	2840-14114	Black-capped Chickadee	HY-U	9/25/2017	HY-U	>1	
5-Oct	2471-72213	Carolina Wren	AHY-U	4/26/2017	AHY-U	1	
5-Oct	2471-72487	Gray-cheeked Thrush	HY-U	9/28/2017	HY-U	>1	
5-Oct	2471-72496	Gray-cheeked Thrush	HY-U	10/2/2017	HY-U	>1	
5-Oct	2791-04901	Gray-cheeked Thrush	HY-U	10/3/2017	HY-U	>1	
5-Oct	2840-14132	Black-poll Warbler	HY-U	10/3/2017	HY-U	>1	
16-Oct	2790-45904	Winter Wren	AHY-U	9/28/2016	HY-U	1	
		Midway, KY					

Species	Year		2017	2016	2015	2014	2013	2012	2011	2010	2009	Total
Mourning Dove	1			1		2						3
Yellow-billed Cuckoo	1	1				1			1			3
Eastern Whip-poor-will	1			1								1
Ruby-throated Hummingbird	1	2		1		1		1				5
American Woodcock	1				1							1
Cooper's Hawk	1					1						1
Eastern Screech-Owl	1	3				1						4
Belted Kingfisher	1						1					1
Red-bellied Woodpecker	1	1		1	1							3
Yellow-bellied Sapsucker	1									1		1
Downy Woodpecker	1	3		8	1	5	5	6		5		33
Northern Flicker	1	1		1								2
Eastern Wood-Pewee	1	1					1	1		1		4
Yellow-bellied Flycatcher	1	5				5	1					11
Eastern Phoebe	1			1			1		1	2	1	6
Great Crested Flycatcher	1					1						1
Eastern Kingbird	1						2	1				3
Blue-headed Vireo	1			1			1			1		3
Warbling Vireo	1	1				1		1				3
Philadelphia Vireo	1	1						2				3
Red-eyed Vireo	1	7		1		3	4	6				21
Blue Jay	1	12		10	2	3	2					29
Tree Swallow	1	9		40	6	2						57
Barn Swallow	1	2		4								6
Purple Martin	1									6		6
Black-capped Chickadee	1	4		8	6	3	3	6	4	7	6	47
Red-breasted Nuthatch	1			3				18				21
White-breasted Nuthatch	1	2		2								4
Brown Creeper	1	1		1	1			2				5
Carolina Wren	1	3		1		2		3	2	2		13
House Wren	1	10		5	1	1		6	1	1		25
Winter Wren	1	6		3			5	1		3	1	19
Blue-gray Gnatcatcher	1			1	1	3						5
Golden-crowned Knglet	1	2		2		4				5	7	20
Ruby-crowned Kinglet	1	10		17	5	8	2	2		1	1	46
Eastern Bluebird	1				1							1
Veery	1								1			1
Gray-cheeked Thrush	1	16		16	2	13	4	26	2	3		82
Swainson's Thrush	1	17		33	6	12	16	58	9	3		154
Hermit Thrush	1	8		7	13	23		2		6	1	60
Wood Thrush	1	2		1								3
American Robin	1	43		19	39	35	18	17	16	11		198
Gray Catbird	1	5		1			2	1		9		18
Brown Thrasher	1	1		5	3							9
European Starling	1	4		4	1	1		2				12
Cedar Waxwing	1							1				1
House Sparrow	1	4										4
House Finch	1			5	1							6
Purple Finch	1							1				1
American Goldfinch	1	3		5	3	2		3	1	1		18
Ovenbird	1	5		9	1	3	2	4		3	1	28
Louisiana Waterthrush	1			1								1
Northern Waterthrush	1	2		2				3	1	1		9
Blue-winged Warbler	1	1										1
Black-and-white Warbler	1					1		3				4
Tennessee Warbler	1			1		3	1	6				11
Nashville Warbler	1	4		4		2	5	9	1	1		26

Species	Year		2017	2016	2015	2014	2013	2012	2011	2010	2009	Total
Connecticut Warbler	1				2			1				3
Mourning Warbler	1	1						1				2
Common Yellowthroat	1	5	1				2	2		1		11
American Redstart	1	4	1	2	4			4	1			16
Cape May Warbler	1	1	2		2				1			6
Northern Parula	1				1							1
Magnolia Warbler	1	1	6	1		4	3	4	1			20
Bay-breasted Warbler	1	6										6
Blackburnian Warbler	1								1			1
Yellow Warbler	1	15	2	5	6	7	5	3	1			44
Chestnut-sided Warbler	1					1						1
Blackpoll Warbler	1	12	5	1	5	6	14	29				72
Black-throated Blue Warbler	1	7	5	2	2	2	2			5		25
Western Palm Warbler	1	8	9								1	18
Yellow-rumped Warbler(Myrtle)	1	7	25	3	5		4			24	3	71
Black-throated Green Warbler	1	1					5			2		8
Canada Warbler	1	1						1				2
Wilson's Warbler	1	1					1					2
Yellow-breasted Chat	1		1									1
Eastern Towhee	1	1	2	1								4
Chipping Sparrow	1	1			1					1		3
Field Sparrow	1		1		3							4
Savannah Sparrow	1			2						1		3
Nelson's Sparrow	1										1	1
Song Sparrow	1	1		3		1				6		11
Lincoln's Sparrow	1	2	1		1	3	1			1		9
Swamp Sparrow	1	6	3	6		3	1			6	3	28
White-throated Sparrow	1	41	35	13	9	6	4			4	2	114
White-crowned Sparrow	1	1				2	1			1	1	6
Dark-eyed Junco	1	2		3	2							7
Scarlet Tanager	1			1		1						2
Northern Cardinal	1	7	10	8	11	6	11	5	5			63
Rose-breasted Grosbeak	1					1						1
Indigo Bunting	1	4		1	1	1						7
Red-winged Blackbird	1	103	46	143	85	41	27	19	3			467
Common Grackle	1	14	5	11	13	11						54
Brown-headed Cowbird	1	10	12	3	2	2						29
Orchard Oriole	1		2		2	2	1	4				11
Baltimore Oriole	1	18	8	4	13	7	4	5	2			61
Total species	96	64	58	39	47	39	46	23	37	13		
Total individuals		483	405	309	306	185	284	113	137	29	2251	
Banding days		21	16	12	13	9	8	6	5	2	92	
Nets		23	23	21	21	18	18	13	13	7		
Net Hours		2283.0	1394.5	1024	1293.25	853.75	585.5	296.75	305	54.5	8090.3	
Recaptures		126	76	51	40	27	23	7	10	1	361	
Escapes/releases		6	3	2	3	1	3	1	4	1	24	
Casualties		0	1-WTSP	0	0	0	1 - OVEN	1 - YEW	0	0	3	
Birds banded per net hour		0.21	0.29	0.30	0.24	0.22	0.49	0.38	0.45	0.53	0.28	
Bander also:												
Dr. James Marshall												
Federal Permit # 21624-G												
Bold & Red = Newly banded species for island			3 new species									

Middle Bass Island Banding Totals 2009 - 2017

3	Mourning Dove (2014)	1	Cedar Waxwing (2012)
3	Yellow-billed Cuckoo (2011)	4	House Sparrow (2017)
1	Eastern Whip-poor-will (2016)	6	House Finch (2015)
5	Ruby-throated Hummingbird (2012)	1	Purple Finch (2012)
1	American Woodcock (2015)	18	American Goldfinch (2010)
1	Cooper's Hawk (2014)	4	Eastern Towhee (2015)
4	Eastern Screech-Owl (2014)	3	Chipping Sparrow (2010)
1	Belted Kingfisher (2013)	4	Field Sparrow (2014)
3	Red-bellied Woodpecker (2015)	3	Savannah Sparrow (2010)
1	Yellow-bellied Sapsucker (2010)	1	Nelson's Sparrow (2009)
33	Downy Woodpecker (2010)	11	Song Sparrow (2010)
2	Northern Flicker (Yellow-shafted)(2016)	9	Lincoln's Sparrow (2010)
4	Eastern Wood-Pewee (2010)	28	Swamp Sparrow (2009)
11	Yellow-bellied Flycatcher (2013)	114	White-throated Sparrow (2009)
6	Eastern Phoebe (2009)	6	White-crowned Sparrow (2009)
1	Great Crested Flycatcher (2014)	7	Dark-eyed Junco (Slate-colored) (2014)
3	Eastern Kingbird (2012)	1	Yellow-breasted Chat (2016)
3	Blue-headed Vireo (2010)	11	Orchard Oriole (2011)
3	Philadelphia Vireo (2012)	61	Baltimore Oriole (2010)
3	Warbling Vireo (2012)	29	Brown-headed Cowbird (2013)
21	Red-eyed Vireo (2012)	467	Red-winged Blackbird (2010)
29	Blue Jay (2013)	54	Common Grackle (2013)
6	Purple Martin (2010)	28	Ovenbird (2009)
57	Tree Swallow (2014)	1	Louisiana Waterthrush (2016)
6	Barn Swallow (2016)	9	Northern Waterthrush (2010)
47	Black-capped Chickadee (2009)	4	Black-and-white Warbler (2012)
21	Red-breasted Nuthatch (2012)	1	Blue-winged Warbler (2017)
4	White-breasted Nuthatch (2016)	11	Tennessee Warbler (2012)
5	Brown Creeper (2012)	26	Nashville Warbler (2010)
25	House Wren (2010)	3	Connecticut Warbler (2012)
19	Winter Wren (2009)	2	Mourning Warbler (2012)
13	Carolina Wren (2010)	11	Common Yellowthroat (2010)
5	Blue-gray Gnatcatcher (2014)	16	American Redstart (2011)
20	Golden-crowned Kinglet (2009)	6	Cape May Warbler (2011)
46	Ruby-crowned Kinglet (2009)	1	Northern Parula (2014)
1	Eastern Bluebird (2015)	20	Magnolia Warbler (2010)
1	Veery (2011)	6	Bay-breasted Warbler (2017)
82	Gray-cheeked Thrush (2010)	1	Blackburnian Warbler (2011)
154	Swainson's Thrush (2010)	44	Yellow Warbler (2010)
60	Hermit Thrush (2009)	1	Chestnut-sided Warbler (2013)
3	Wood Thrush (2016)	72	Blackpoll Warbler (2011)
198	American Robin (2010)	25	Black-throated Blue Warbler (2010)
18	Gray Catbird (2010)	18	Palm Warbler (Western) (2009)
9	Brown Thrasher	71	Yellow-rumped Warbler (Myrtle) (2009)
12	European Starling (2012)	8	Black-throated Green Warbler (2010)

Middle Bass Island Banding Totals 2009 - 2017

2 Canada Warbler (2011)
2 Wilson's Warbler (2012)
2 Scarlet Tanager (2013)

63 Northern Cardinal (2010)
1 Rose-breasted Grosbeak (2013)
7 Indigo Bunting (2013)

96 Species

2,259 Total Individuals

1st Column = Total individuals banded

2nd Column = Species / Subspecies

3rd Column = first year banded

Banding Days = 92

Net hours = 8090.25

Birds banded per net hour = 0.28

Birds handled per net hour = 0.33

Total Birds Handled = 2647

Recaptures = 361

% Recaptures per bird handled = 11.6

Escapes = 24

Casualties = 3

% Casualties per bird handled = 0.11

Three new species added to the island banded list this year

H. Thomas Bartlett
1833 South Winfield Drive
Tiffin, Ohio 44883
419-447-0005
hthomas.bartlett@gmail.com
Federal Permit # 21624

Dr. James Marshall
11912 Deacon Drive
Rockton, IL 61072
614-746-8434
JMarshall@rockford.edu
Federal Permit # 23815 & 21624-G

Research Associate
Department of Ornithology
Cleveland Museum of Natural History
1 Wade Oval, University Circle
Cleveland, Ohio 44106

Associate Professor of Biology
5050 East State Street
Chemical and Biological Sciences
Rockford University
Rockford, IL 61108

2017

North Bass Island
Bird Banding Data

Dr. James Marshall
Federal Permit # 21624-G

Species	Date		24-Jun	1-Jul	8-Jul	14-Jul	Total
Yellow-billed Cuckoo		1		2			2
Downy Woodpecker		1	1				1
Tree Swallow		1			1		1
Barn Swallow		1			2	1	3
European Starling		1		11			11
American Goldfinch		1		1	2	2	5
American Robin		1	1		2		3
Yellow Warbler		1				2	2
Indigo Bunting		1			1		1
Red-winged Blackbird		1	4	15	2		21
Baltimore Oriole		1			2		2
Total Species Banded	11		3	4	7	3	
Total Individuals Banded			6	29	12	5	52
Banding Days			1	1	1	1	4
Recaptures			1	3	0	0	4
Escapes/releases			0	0	0	0	0
Casualties			0	0	0	0	0
Total birds handled			7	32	12	5	56
Nets			10(9.5)	10(9.5)	10(9.5)	10(9.5)	
Net hours			38	42.75	38	38	156.75
Birds banded per net hour			0.16	0.68	0.32	0.13	0.33
% Casualties per bird handled			0.00	0.00	0.00	0.00	0.00
Injured birds			0	1	0	0	1
				RWBL			
				cut tongue			
Escaped/released birds			0	0	0	0	0
Casualties			0	0	0	0	0
Participants			3	3	3	3	12
Time			0700-1300	0800-1300	0800-1300	0800-1300	

2017**North Bass Island
Bird Recapture Data****Dr. James Marshall
Federal Permit # 21624-G**

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min	Original
						Age	Banding
24-Jun	8081-40525	Red-winged Blackbird	ASY-F	4/23/2014	SY-F	4	MBI
1-Jul	2641-40779	Red-winged Blackbird	ASY-F	6/22/2013	SY-F	5	MBI
1-Jul	2411-72086	Red-winged Blackbird	ASY-F	7/17/2010	ASY-F	9	KI
1-Jul	2561-72297	Red-winged Blackbird	ASY-F	7/13/2012	HY-F	5	NBI

North Bass Island Banding Totals 2010 - 2017

2 Yellow-billed Cuckoo (2017)

5 Downy Woodpecker (2012)

1 Willow Flycatcher (2014)

8 Eastern Phoebe (2011)

1 Eastern Kingbird (2012)

1 Tree Swallow (2017)

13 Barn Swallow (2013)

1 Black-capped Chickadee (2012)

59 American Robin (2010)

1 Carolina Wren (2015)

5 Gray Catbird (2011)

61 European Starling (2011)

5 House Finch (2011)

15 American Goldfinch (2011)

4 Chipping Sparrow (2011)

2 Orchard Oriole (2011)

13 Baltimore Oriole (2011)

7 Brown-headed Cowbird (2011)

299 Red-winged Blackbird (2010)

61 Yellow Warbler (2010)

4 Northern Cardinal (2012)

7 Indigo Bunting (2011)

1 Dickcissel (2012)

23 Species

579 Total Individuals

1st Column = Total individuals banded

2nd Column = Species / Subspecies

3rd Column = first year banded

Banding Days = 28

Net hours = 935.25

Birds banded per net hour = 0.62

Birds handled per net hour = 0.64

Total Birds Handled = 602

Recaptures = 22

% Recaptures per bird handled = 3.66

Escapes = 1

Casualties = 0

% Casualties per bird handled = 0.00

H. Thomas Bartlett

1833 South Winfield Drive

Tiffin, Ohio 44883

419-447-0005

hthomas.bartlett@gmail.com

Federal Permit # 21624

Dr. James Marshall

11912 Deacon Drive

Rockton, IL 61072

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Research Associate

Department of Ornithology

Cleveland Museum of Natural History

1 Wade Oval, University Circle

Cleveland, Ohio 44106

Associate Professor of Biology

5050 East State Street

Chemical and Biological Sciences

Rockford University

Rockford, IL 61108

Lake Erie Bass Islands Bird Banding Totals 2003-2017

3	Mourning Dove – 2014	132	Gray-cheeked Thrush - 2007
5	Yellow-billed Cuckoo – 2004	317	Swainson's Thrush - 2003
1	Black-billed Cuckoo – 1996	92	Hermit Thrush - 2009
1	Eastern Whip-poor-will – 2016	21	Wood Thrush - 2005
38	Ruby-throated Hummingbird – 2006	715	American Robin - 2003
1	Sora – 2013	146	Gray Catbird - 2004
1	American Woodcock – 2015	22	Brown Thrasher - 2009
1	Sharp-shinned Hawk – 2013	87	European Starling - 2008
1	Cooper's Hawk- 2014	11	Cedar Waxwing - 2012
7	Eastern Screech-Owl – 1998	93	House Sparrow - 2010
1	Belted Kingfisher– 2013	93	House Finch - 2005
1	Red-headed Woodpecker	1	Purple Finch – 2012
10	Red-bellied Woodpecker – 2009	67	American Goldfinch - 2009
2	Yellow-bellied Sapsucker – 2010	7	Eastern Towhee - 2010
89	Downy Woodpecker – 2005	14	Chipping Sparrow – 2010
8	Northern Flicker (Yellow-shafted) – 2010	1	Clay-colored Sparrow - 2012
6	Eastern Wood-Pewee – 2003	15	Field Sparrow –2007
11	Yellow-bellied Flycatcher – 2013	4	Savannah Sparrow – 2010
1	Acadian Flycatcher –2010	1	Nelson's Sparrow– 2009
3	Willow Flycatcher – 2007	19	Song Sparrow – 2009
2	"Trail's" Flycatcher – 2012	54	Lincoln's Sparrow – 2006
21	Least Flycatcher – 2009	57	Swamp Sparrow – 2009
21	Eastern Phoebe – 2009	408	White-throated Sparrow – 2005
1	Great Crested Flycatcher – 2014	43	White-crowned Sparrow (Eastern) – 2004
22	Eastern Kingbird – 2009	7	Dark-eyed Junco (Slate-colored) – 2014
4	White-eyed Vireo – 2006	3	Yellow-breasted Chat – 2007
12	Blue-headed Vireo – 2010	28	Orchard Oriole – 2011
19	Warbling Vireo – 2011	226	Baltimore Oriole - 2005
4	Philadelphia Vireo – 2012	96	Brown-headed Cowbird –2003
23	Red-eyed Vireo – 2011	2278	Red-winged Blackbird – 2003
90	Blue Jay – 2003	362	Common Grackle – 2004
417	Purple Martin – 2010	77	Ovenbird – 2005
323	Tree Swallow – 2003	1	Louisiana Waterthrush – 2016
27	Northern Rough-winged Swallow – 2012	26	Northern Waterthrush – 2006
122	Barn Swallow – 2010	1	Golden-winged Warbler – 2015
107	Black-capped Chickadee – 2003	9	Blue-winged Warbler – 2011
26	Red-breasted Nuthatch – 2011	26	Black-and-white Warbler – 2009
10	White-breasted Nuthatch – 2013	17	Tennessee Warbler- 2010
7	Brown Creeper – 2011	4	Orange-crowned Warbler – 2015
90	House Wren – 2003	94	Nashville Warbler – 2004
20	Winter Wren – 2007	5	Connecticut Warbler- 2011
1	Marsh Wren – 2006	6	Mourning Warbler – 2003
22	Carolina Wren - 2007	3	Kentucky Warbler – 2008
13	Blue-gray Gnatcatcher - 2009	67	Common Yellowthroat – 2005
21	Golden-crowned Kinglet - 2009	2	Hooded Warbler – 2007
132	Ruby-crowned Kinglet - 2008	34	American Redstart - 2003
1	Eastern Bluebird – 2015	7	Cape May Warbler - 2011
24	Veery - 2004	2	Northern Parula - 2014

Lake Erie Bass Islands Bird Banding Totals 2003-2017

54	Magnolia Warbler - 2004	23	Black-throated Green Warbler - 2007
11	Bay-breasted Warbler - 2014	5	Canada Warbler - 2003
2	Blackburnian Warbler - 2011	7	Wilson's Warbler – 2003
296	Yellow Warbler - 2003	2	Scarlet Tanager – 2013
13	Chestnut-sided Warbler – 2007	206	Northern Cardinal – 2004
106	Blackpoll Warbler – 2010	18	Rose-breasted Grosbeak – 2009
48	Black-throated Blue Warbler -2007	30	Indigo Bunting – 2007
77	Palm Warbler ("Western") – 2004	1	Dickcissel – 2012
211	Yellow-rumped ("Myrtle") Warbler - 2007		

112 Species

8,690 Total Individuals

Includes all species of birds and individuals banded by the Researchers between 2003 and 2017 on North Bass, Middle Bass, Gibraltar, and South Bass Islands.

1st Column = Total individuals banded

2nd Column = Species / Subspecies

3rd Column = first year banded

Bold = unusual species for Lake Erie Islands

Red = new for Islands banding list/study 2017

Banding Days = 272

Total Birds Banded = 8.690

Total Escapes/releases = 74

Birds banded per net hour = 0.51

Total Birds Handled = 9889

Net hours = 17201.25

Total Recaptures = 1109

Total Casualties = 16

% Casualties per bird handled = 0.16

Birds handled per net hour = 0.58

Banders and Researchers:

H. Thomas Bartlett

1833 South Winfield Drive

Tiffin, Ohio 44883

419-447-0005

hthomas.bartlett@gmail.com

Federal Permit # 21624

Dr. James Marshall

11912 Deacon Drive

Rockton, IL 61072

614-746-8434

JMarshall@rockford.edu

Federal Permit # 23815 & 21624-G

Research Associate

Department of Ornithology

Cleveland Museum of Natural History

1 Wade Oval, University Circle

Cleveland, Ohio 44106

Associate Professor of Biology

5050 East State Street

Chemical and Biological Sciences

Rockford University

Rockford, IL 61108