

2016 Lake Erie Bass Islands Avian Research Project

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Eastern Whip-poor-will (Band Number 1372-28795)
September 27, 2016
Middle Bass Island
First USA Islands Banding Record

Permits

Federal Bird Banding Permit # 21624
Ohio Division of Wildlife Wild Animal Permit # 17-177 and 17-82
Ohio Division of Natural Areas and Preserves Permit #RP 2016-4
Put-in-Bay Township Park District Research Permit
Private Land Use Permit – Mark & Barb Barnhill
Private Land Use Permit (Verbal) – Dr. William Cleveland

2016 Lake Erie Bass Islands Avian Research Program Report

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In the early 2000's, the Lake Erie Islands Historical Society began sponsoring 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 program has 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 and the remaining vineyards on the island. Over 12 natural areas have been protect on the Lake Erie Islands.

We now have bird banding data for South Bass, Middle Bass, and North Bass Islands plus my long-term data set (21 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, make 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 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. It is hoped that the banding projects can be increased in years to come. This past year 413 individuals visited our research stations.

During the 2016 banding season, banding occurred on 40 days. 1208 individual birds of 77 species were banded on South Bass, Gibraltar, Middle Bass, and North Bass Islands. In addition, 178 banded birds were recaptured (153 individuals). Of these, 55% were banded prior to 2016. Three individuals were first banded in 2010, five birds in 2011, ten birds in 2012, ten birds in 2013, 19 birds in 2014, 37 birds in 2015, one unknown at this time and 69 individuals earlier in 2016. Our oldest recaptures were a Red-winged Blackbird and Common Grackle, both a minimum of 8 years old. The Red-winged Blackbird was originally banded July 17, 2010 as an ASY-F and the Common Grackle was originally banded May 4, 2010 as an ASY-M. Two other Red-winged Blackbirds were a minimum of 7 years old. One Black-capped Chickadee, one American Robin, one Yellow Warbler, and five Red-winged Blackbirds were a minimum of 6

years old. Four individuals were foreign recaptures, meaning they were banded by another bander. Two Tree Swallows recaptured in May on South Bass Island were originally banded on South Bass Island by Darlene Sillick in July 2015 as hatch-year birds. Another Tree Swallow (Band Number 2591-69068) was recaptured on Middle Bass Island April 28. No data is available on this individual at this time. The fourth bird, a Yellow Warbler recaptured in May was originally banded May 6, 2015 on Pelee Island, Canada. Several recaptures of our birds were on islands where they were not originally banded showing that some birds move between the islands for breeding territory.

Over the last fourteen years of our banding effort, we have banded 7247 individuals of 111 species. This was accomplished in 227 banding days and 13639.00 net hours of effort resulting in 0.53 birds banded per net hour. This past year we banded two new species for the islands. They were Eastern Whip-poor-will (MBI), and Louisiana Waterthrush (MBI) both on Middle Bass Island in the spring. In addition, another continuing banding project conducted by Darlene Sillick and Paula Ziebarth with Purple Martins and Tree Swallows continues. This year, due to timing problems, only 15 Tree Swallows were banded. In 2017, Thomas Kashmer, of Green Creek Wildlife Society and Black Swamp Bird Observatory, will begin assisting in the banding for this project.

The top ten most banded species for 2016 were:

228	Red-winged Blackbird	54	Yellow-rumped (Myrtle) Warbler
114	Tree Swallow	40	Yellow Warbler
91	White-throated Sparrow	40	Common Grackle
78	American Robin	38	Baltimore Oriole
73	Swainson's Thrush	34	Ruby-crowned Kinglet

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

2001	Red-winged Blackbird	275	Swainson's Thrush
623	American Robin	259	Yellow Warbler
326	Common Grackle	199	Yellow-rumped (Myrtle) Warbler
323	White-throated Sparrow	187	Baltimore Oriole
276	Tree Swallow	184	Northern Cardinal

During 2016, 77 species and 1208 individual birds were banded. In addition, 153 individuals were recaptured (80 from past years and 4 foreign recaptures), 8 individuals escaped or were released before being processed and we had two casualties. All this was done over 40 banding days and 2754.0 net hours. 1383 individual birds were handled this year and 0.44 birds were banded per net hour of effort. On South Bass Island we banded 62 species and 791 individuals banded in 2016. Three new species were banded. They were Philadelphia Vireo, Golden-crowned Kinglet, and Cape May Warbler. Over the fourteen years of this study on South Bass Island 96 species and 4944 individual birds have been banded. On Middle Bass Island we banded 58 species and 408 individuals banded. Seven new species were banded. They were Eastern Whip-poor-will, Northern Flicker, Barn Swallow, White-breasted Nuthatch, Wood Thrush, Louisiana Waterthrush, and Yellow-breasted Chat. Over the seven years of this study on Middle Bass Island 93 species and 1776 individuals birds have been banded. On North Bass Island we banded four species and 9 individuals banded. No new species were banded on North Island Bass and the low numbers are believed to be due to some major changes in the

habitat. Several severe winters had taken a toll on the vineyards. Over the last six years of the North Bass Island study, 527 individuals of 21 species have been banded.

The data for all banding activities in 2016 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, Marianne Manderbach, 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 # 17-177 and #17-82
Put-in-Bay Park District Access Permit
Private Lands Permit – Mark and Barb Barnhill
Dr. William Cleveland – Verbal land use permission on Middle Bass Island

Species	Date	SBI	MBI	NBI	Total
Mourning Dove			1		1
Eastern Whip-poor-will			1		1
Eastern Screech-Owl		1			1
Ruby-throated Hummingbird		7	1		8
Red-bellied Woodpecker			1		1
Downy Woodpecker		12	8		20
Yellow-shafted Flicker		2	1		3
Least Flycatcher		3			3
Eastern Phoebe		1	1	3	5
Eastern Kingbird		1			1
Blue-headed Vireo			1		1
Philadelphia Vireo		1			1
Warbling Vireo		2			2
Red-eyed Vireo			1		1
Blue Jay		1	10		11
Tree Swallow		74	40		114
Northern Rough-winged Swallow		9			9
Barn Swallow		8	4		12
Black-capped Chickadee		8	8		16
Red-breasted Nuthatch			3		3
White-breasted Nuthatch		2	2		4
Brown Creeper			1		1
House Wren		7	5		12
Winter Wren		1	3		4
Carolina Wren			1		1
Blue-gray Gnatcatcher		1	1		2
Golden-crowned Kinglet		1	2		3
Ruby-crowned Kinglet		17	17		34
Veery		3			3
Gray-cheeked Thrush		12	16		28
Swainson's Thrush		40	33		73
Hermit Thrush		5	7		12
Wood Thrush		3	1		4
American Robin		59	19		78
Gray Catbird		7	1		8
Brown Thrasher		2	5		7
European Starling			4		4
Cedar Waxwing		1			1
House Sparrow		6			6
House Finch		4	5		9
American Goldfinch		9	5		14
Ovenbird		6	9		15
Louisiana Waterthrush			1		1
Northern Waterthrush			2		2
Black-and-white Warbler		1	1		2
Orange-crowned Warbler		1			1

Species	Date				
Nashville Warbler		17	4		21
Mourning Warbler		1			1
Common Yellowthroat		5	1		6
American Redstart		5	1		6
Cape May Warbler		1	2		3
Magnolia Warbler		5	6		11
Yellow Warbler		35	2	3	40
Chestnut-sided Warbler		2			2
Blackpoll Warbler		10	5		15
Black-throated Blue Warbler		3	5		8
"Western" Palm Warbler		7	9		16
Yellow-rumped Warbler (Myrtle)		29	25		54
Black-throated Green Warbler		2			2
Yellow-breasted Chat			1		1
Eastern Towhee			2		2
Chipping Sparrow		1			1
Field Sparrow			1		1
Song Sparrow		1			1
Lincoln's Sparrow		7	1		8
Swamp Sparrow		2	3		5
White-throated Sparrow		56	35		91
White-crowned Sparrow		4			4
Northern Cardinal		22	10	1	33
Rose-breasted Grosbeak		5			5
Indigo Bunting		3			3
Red-winged Blackbird		180	46	2	228
Common Grackle		35	5		40
Brown-headed Cowbird		3	12		15
Orchard Oriole		2	2		4
Baltimore Oriole		30	8		38
Total Species		62	58	4	77
Total Individuals		791	408	9	1208
Banding Days		20	16	4	40
Recaptures		101	76	3	180
Escapes/releases		5	3	0	8
Casualties		1	1	0	2
Other		12	0	0	12
Total birds handled		910	488	12	1410
Injured birds		16	6	0	22
Nets		9-20	9-22	9.5	9-22
Net hours		1198	1394.5	161.5	2754
Birds Banded per net hour		0.66	0.31	0.06	0.44
Birds handled per net hour		0.76	0.35	0.07	0.51
Guests		246	159	8	413
Bold = Unusual; Red = New Islands Banding Record					

2016 Bass Islands Photographs



Sedge Wren – Scheeff East Point
Nature Preserve



Louisiana Waterthrush – MBI
1st Lake Erie Island banding record



Good Net Run



Alice Lentz assisting



Put-in-Bay School students



Middle Bass Island Visitors



Eastern Whip-poor-will - MBI
1st Lake Erie Island banding record



Yellow-breasted Chat

Species	Date		1-May	2-May	3-May	4-May	8-May	9-May	10-May	11-May	21-Jun	24-Jun
Eastern Screech-Owl		1										
Ruby-throated Hummingbird		1			1	1		1		3		
Downy Woodpecker		1	3						2			1
Yellow-shafted Flicker		1								1		1
Least Flycatcher		1					1			2		
Eastern Phoebe		1								1		
Eastern Kingbird		1										
Philadelphia Vireo		1										
Warbling Vireo		1					1				1	
Blue Jay		1								1		
Tree Swallow		1				1	8		32	5	5	6
Northern Rough-winged Swallow		1							1			5
Barn Swallow		1	2									3
Black-capped Chickadee		1	2	2								
White-breasted Nuthatch		1					1					
House Wren		1				3				3		
Winter Wren		1			1							
Blue-gray Gnatcatcher		1	1									
Golden-crowned Kinglet		1	1									
Ruby-crowned Kinglet		1	7	2	1	4	1			2		
Veery		1					1			2		
Gray-cheeked Thrush		1										
Swainson's Thrush		1					1			2		
Hermit Thrush		1	3				2					
Wood Thrush		1					1			2		
American Robin		1	8	1	1	4	4	3		5		1
Gray Catbird		1		1			3			3		
Brown Thrasher		1			1			1				
Cedar Waxwing		1									1	
Ovenbird		1								4		
Black-and-white Warbler		1								1		
Orange-crowned Warbler		1					1					

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Federal Permit # 21624

2016 South Bass Island
Bird Banding Data

Dr. James Marshall
Federal Permit # 21624 - G

28-Jun	4-Jul	5-Jul	7-Jul	12-Jul	16-Jul	25-Jul	14-Sep	15-Sep	16-Sep	Total	Species	Date
									1	1	Eastern Screech-Owl	
							1			7	Ruby-throated Hummingbird	
		3		1				2		12	Downy Woodpecker	
										2	Yellow-shafted Flicker	
										3	Least Flycatcher	
										1	Eastern Phoebe	
1										1	Eastern Kingbird	
								1		1	Philadelphia Vireo	
										2	Warbling Vireo	
										1	Blue Jay	
9		8								74	Tree Swallow	
3										9	Northern Rough-winged Swallow	
			2			1				8	Barn Swallow	
	1	1	1					1		8	Black-capped Chickadee	
	1									2	White-breasted Nuthatch	
									1	7	House Wren	
										1	Winter Wren	
										1	Blue-gray Gnatcatcher	
										1	Golden-crowned Kinglet	
										17	Ruby-crowned Kinglet	
										3	Veery	
							2	2	8	12	Gray-cheeked Thrush	
							3	23	11	40	Swainson's Thrush	
										5	Hermit Thrush	
										3	Wood Thrush	
	1	1	2	1	3		2	12	10	59	American Robin	
										7	Gray Catbird	
										2	Brown Thrasher	
										1	Cedar Waxwing	
							1	1		6	Ovenbird	
										1	Black-and-white Warbler	
										1	Orange-crowned Warbler	

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Species	Date		1-May	2-May	3-May	4-May	8-May	9-May	10-May	11-May	21-Jun	24-Jun
Nashville Warbler		1		1			8			7		
Mourning Warbler		1								1		
Common Yellowthroat		1					1			4		
American Redstart		1								5		
Cape May Warbler		1					1					
Magnolia Warbler		1								4		
Yellow Warbler		1			3		2			9	5	
Chestnut-sided Warbler		1								1		
Blackpoll Warbler		1										
Black-throated Blue Warbler		1								1		
"Western" Palm Warbler		1		1			1			5		
Yellow-rumped Warbler (Myrtle)		1	14	2			5	1		7		
Black-throated Green Warbler		1								2		
Chipping Sparrow		1										
Song Sparrow		1										
Lincoln's Sparrow		1								6		
Swamp Sparrow		1	2									
White-throated Sparrow		1	19	1	2	2	5	3		24		
White-crowned Sparrow		1								4		
Northern Cardinal		1	4	1	1		2					
Rose-breasted Grosbeak		1								1		
Indigo Bunting		1					1			2		
Red-winged Blackbird		1	15	2	13	11	37	4	5	33	17	6
Common Grackle		1	8	1	7	1	11	1	2	4		
Brown-headed Cowbird		1	1				1	1				
Orchard Oriole		1									1	
Baltimore Oriole		1				2	7	4	2	12	1	1
House Finch		1								1		1
American Goldfinch		1				4	2			1		
House Sparrow		1					1					1
Total Species		62	15	11	10	10	27	9	6	36	7	10
Total Individuals			90	15	31	33	110	19	44	171	31	26

28-Jun	4-Jul	5-Jul	7-Jul	12-Jul	16-Jul	25-Jul	14-Sep	15-Sep	16-Sep	Total	Species
							1			17	Nashville Warbler
										1	Mourning Warbler
										5	Common Yellowthroat
										5	American Redstart
										1	Cape May Warbler
								1		5	Magnolia Warbler
		5		8		3				35	Yellow Warbler
								1		2	Chestnut-sided Warbler
							4	2	4	10	Blackpoll Warbler
									2	3	Black-throated Blue Warbler
										7	"Western" Palm Warbler
										29	Yellow-rumped Warbler (Myrtle)
										2	Black-throated Green Warbler
	1									1	Chipping Sparrow
	1									1	Song Sparrow
								1		7	Lincoln's Sparrow
										2	Swamp Sparrow
										56	White-throated Sparrow
										4	White-crowned Sparrow
		2		1	1		1	6	3	22	Northern Cardinal
								4		5	Rose-breasted Grosbeak
										3	Indigo Bunting
11	3	9	1	2	11					180	Red-winged Blackbird
										35	Common Grackle
										3	Brown-headed Cowbird
						1				2	Orchard Oriole
				1						30	Baltimore Oriole
1	1									4	House Finch
			1	1						9	American Goldfinch
1	3									6	House Sparrow
6	8	7	5	7	3	3	8	13			Total Species
26	12	29	7	15	15	5	15	57	40	791	Total Individuals

Banding Days	1	1	1	1	1	1	1	1	1	1	1
Date	1-May	2-May	3-May	4-May	8-May	9-May	10-May	11-May	21-Jun	24-Jun	
Recaptures	4	2	6	8	32	4	8	20	6	1	
Escapes/releases	0	0	0	0	2	0	0	3	0	0	
Casualties	1	0	0	0	0	0	0	0	0	0	
Other	0	0	0	0	11	1	0	0	0	0	
Total birds handled	95	17	37	41	145	24	52	194	37	27	
Injured birds	3	0	2	3	3	1	0	1	0	0	
Nets	16	17(16.75)	17(16.75)	17(16.75)	19	17	10	15	9.5	9.5	
Net hours	132.00	50.25	42.00	55.00	167.75	39.00	24.75	108.00	38.00	42.75	
Birds Banded per net hour	0.68	0.30	0.74	0.60	0.66	0.49	1.78	1.58	0.82	0.61	
Birds handled per net hour	0.72	0.34	0.88	0.75	0.86	0.62	2.10	1.80	0.97	0.63	
Escapes/releases					YEWA						
					COGR						
Casualties	DOWO										
	deer										
Injured	DOWO		2-RWBL	3-RWBL	3-RWBL	RWBL		WTSP			
	COGR		cut	cut	cut	cut		cut leg			
	cut tongue		tongue	tongue	tongue	tongue					
	NOCA										
	stress										
Guests	17	22	6	38	18	22	4	50	2	8	
Volunteer Hours											
Tom Bartlett	10	4	4	7	10	5.5	4	13			
Paula Bartlett	10	4	4	7	10	5.5	4	13			
John Lortz	10	4	4	7	10	5.5	4	13			
Lisa Brohl	4		2	5	5			7			
Andy Jones	7	4			7	5.5					
Shane Roberts							4	13			
									12	12	

1	1	1	1	1	1	1	1	1	1	20	Banding Days	
28-Jun	4-Jul	5-Jul	7-Jul	12-Jul	16-Jul	25-Jul	14-Sep	15-Sep	16-Sep	Total	Species	Date
2	0	4	1	0	2	0	0	1	0	101	Recaptures	
0	0	0	0	0	0	0	0	0	0	5	Escapes/releases	
0	0	0	0	0	0	0	0	0	0	1	Casualties	
0	0	0	0	0	0	0	0	0	0	12	Other	
28	12	33	8	15	17	5	15	58	40	900	Total birds handled	
0	0	1	0	0	0	0	0	1	1	16	Injured birds	
9.5	9.5	9.5	9.5	9.5	9.5	5	13	16(15.75)	13(12.75)		Nets	
47.50	33.25	42.75	47.50	42.75	42.75	20.00	65.25	86.75	70.00	1198	Net hours	
0.55	0.36	0.68	0.15	0.35	0.35	0.25	0.23	0.66	0.57	0.66	Birds Banded per net hour	
0.59	0.36	0.77	0.17	0.35	0.40	0.25	0.23	0.67	0.57	0.75	Birds handled per net hour	
											Escapes/releases	
											Casualties	
		YEWA stress						NOCA stress	AMRO cut wing		Injured	
2	2	2	2	2	?	2	8	13	26	246	Guests	
					Lester Peyton							Volunteer Hours
					Ryan		8	9.5	11	86	Tom Bartlett	
							8	9.5	11	86	Paula Bartlett	
										57.5	John Lortz	
									9	32	Lisa Brohl	
										23.5	Andy Jones	
										17	Shane Roberts	
							6	8	9	23	John Leopold	
12	12	12	12	12		8				92	James Marshall & Assistant	

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min Years	
1-May	2661-49262	Downy Woodpecker	ATY-F	5/3/2015	TY-F	3	
1-May	1352-16438	Blue Jay	ASY-U	5/1/2013	SY-U	4	
1-May	0962-51823	Red-winged Blackbird	ASY-M	4/27/2015	SY-M	2	MBI
1-May	0962-51886	Red-winged Blackbird	ASY-M	5/3/2015	ASY-M	3	
2-May	2741-50744	White-throated Sparrow	SY-U	5/1/2016	SY-U	1	
2-May	1342-43606	Red-winged Blackbird	ASY-M	5/8/2011	ASY-M	7	
3-May	2740-30202	Black-capped Chickadee	SY-U	9/12/2014	HY-U	2	
3-May	1372-03642	American Robin	SY-F	5/1/2016	SY-F	1	
3-May	2741-50743	White-throated Sparrow	SY-U	5/1/2016	SY-U	1	
3-May	2741-50748	White-throated Sparrow	SY-U	5/1/2016	SY-U	1	
3-May	2741-50769	White-throated Sparrow	SY-U	5/2/2016	SY-U	1	
3-May	8081-40589	Red-winged Blackbird	ASY-F	5/7/2014	ASY-F	4	
4-May	1232-44969	Blue Jay	ASY-U	5/4/2014	SY-U	3	
4-May	1352-27017	American Robin	AHY-M	5/8/2013	SY-M	4	
4-May	1372-03659	American Robin	SY-F	5/2/2016	SY-F	1	
4-May	2451-06077	Northern Cardinal	AHY-F	4/28/2013	AHY-F	4	
4-May	2451-26731	Northern Cardinal	AHY-M	5/1/2016	AHY-M	1	
4-May	8081-40565	Red-winged Blackbird	ASY-F	5/4/2014	SY-F	3	
4-May	1372-03660	Red-winged Blackbird	ASY-M	5/3/2016	ASY-M	2	
4-May	1372-03667	Red-winged Blackbird	SY-M	5/3/2016	SY-M	1	
8-May	2711-63631	Downy Woodpecker	TY-M	5/13/2015	SY-M	2	
8-May	2741-50768	Downy Woodpecker	TY-F	5/1/2016	TY-F	2	
8-May	1342-43614	American Robin	ASY-M	5/10/2011	SY-M	6	
8-May	1372-03659	American Robin	SY-F	5/2/2016	SY-F	1	
8-May	1372-03655	American Robin	SY-F	5/1/2016	SY-F	1	
8-May	1372-03670	American Robin	SY-M	5/3/2016	SY-M	1	
8-May	1212-82647	Red-winged Blackbird	ASY-M	5/1/2011	SY-M	6	
8-May	1212-82695	Red-winged Blackbird	ASY-M	5/8/2011	SY-M	6	
8-May	2421-34114	Red-winged Blackbird	ASY-F	5/11/2011	ASY-F	7	
8-May	1581-79332	Red-winged Blackbird	ASY-F	7/2/2013	ASY-F	5	
8-May	1232-44948	Red-winged Blackbird	ASY-M	4/30/2014	SY-M	3	
8-May	1352-69577	Red-winged Blackbird	ASY-M	4/30/2014	SY-M	3	
8-May	1352-73645	Red-winged Blackbird	ASY-M	7/10/2014	HY-U	2	
8-May	1212-76303	Red-winged Blackbird	ASY-M	5/3/2015	SY-M	2	
8-May	1212-76307	Red-winged Blackbird	ASY-M	5/3/2015	SY-M	2	
8-May	1372-03647	Red-winged Blackbird	SY-M	5/1/2016	SY-M	1	
8-May	1372-03649	Red-winged Blackbird	SY-M	5/1/2016	SY-M	1	
8-May	1372-03657	Red-winged Blackbird	ASY-M	5/2/2016	ASY-M	2	
8-May	1372-03664	Red-winged Blackbird	ASY-M	5/3/2016	ASY-M	2	
8-May	1372-03678	Red-winged Blackbird	SY-M	5/4/2016	SY-M	1	
8-May	2451-06077	Northern Cardinal	AHY-F	4/28/2013	AHY-F	4	
8-May	2451-06082	Northern Cardinal	AHY-M	5/5/2013	AHY-M	4	

8-May	2451-26730	Northern Cardinal	AHY-M	5/1/2016	AHY-M	1	
8-May	2451-26732	Northern Cardinal	AHY-M	5/1/2016	AHY-M	1	
8-May	1043-66721	Common Grackle	ASY-M	5/4/2010	ASY-M	8	
8-May	1493-00672	Common Grackle	SY-F	5/4/2016	SY-F	1	
8-May	2421-33890	Baltimore Oriole	ASY-M	5/6/2012	SY-M	5	
8-May	8081-78324	Baltimore Oriole	ASY-F	5/11/2015	ASY-F	3	
8-May	8081-78335	Baltimore Oriole	ASY-M	5/12/2015	ASY-M	3	
8-May	8081-78358	Baltimore Oriole	ASY-M	5/13/2015	ASY-M	3	
9-May	1212-76324	American Robin	ASY-M	5/3/2015	SY-M	2	
9-May	2741-50778	White-throated Sparrow	SY-U	5/8/2016	SY-U	1	
9-May	1232-44970	Red-winged Blackbird	ASY-M	5/5/2014	SY-M	3	
9-May	2561-72223	Baltimore Oriole	ASY-M	5/9/2012	SY-M	5	
10-May	2631-15569	Tree Swallow	AHY-F	7/25/2015	HY-U	1	Foreign
10-May	2631-15586	Tree Swallow	AHY-F	7/26/2015	HY-U	1	Foreign
10-May	2750-50871	Black-capped Chickadee	SY-U	5/1/2016	SY-U	1	
10-May	1352-27013	American Robin	AHY-M	5/8/2013	SY-F	4	
10-May	1372-03646	American Robin	SY-M	5/1/2016	SY-M	1	
10-May	1372-03659	American Robin	SY-F	5/2/2016	SY-F	1	
10-May	8081-78324	Baltimore Oriole	ASY-F	5/11/2015	ASY-F	3	
10-May	8081-78542	Baltimore Oriole	SY-M	5/9/2016	SY-M	1	
11-May	1352-27017	American Robin	ASY-M	5/8/2013	SY-M	4	
11-May	1372-03646	American Robin	SY-M	5/1/2016	SY-M	1	
11-May	2421-33837	Red-winged Blackbird	ASY-F	5/2/2012	ASY-F	6	
11-May	1352-16446	Red-winged Blackbird	ASY-M	5/1/2013	SY-M	4	
11-May	1352-69561	Red-winged Blackbird	ASY-M	4/29/2014	SY-M	3	
11-May	1212-76374	Red-winged Blackbird	ASY-M	5/13/2015	SY-M	2	
11-May	1372-03657	Red-winged Blackbird	ASY-M	5/2/2016	ASY-M	2	
11-May	1372-03662	Red-winged Blackbird	SY-M	5/3/2016	SY-M	1	
11-May	1043-66840	Common Grackle	ASY-M	4/29/2012	SY-M	5	
11-May	2730-64138	Yellow Warbler	ASY-M	5/6/2015	SY-M	2	Pelee Island
11-May	2780-96611	Yellow Warbler	SY-M	5/8/2016	SY-M	1	
11-May	2661-49279	Brown-headed Cowbird	AHY-F	5/3/2015	AHY-F	2	
11-May	2711-63618	Brown-headed Cowbird	AHY-F	5/6/2015	AHY-F	2	
11-May	8081-78372	Red-winged Blackbird	ASY-F	6/23/2015	ASY-F	3	
11-May	8081-78516	Red-winged Blackbird	ASY-F	5/8/2016	ASY-F	2	
11-May	2561-72223	Baltimore Oriole	ASY-M	5/9/2012	SY-M	5	
11-May	8081-78362	Baltimore Oriole	ASY-M	5/13/2015	ASY-M	3	
11-May	8081-78542	Baltimore Oriole	SY-M	5/9/2016	SY-M	1	
11-May	8081-78546	Baltimore Oriole	SY-M	5/10/2016	SY-M	1	
21-Jun	1352-69561	Red-winged Blackbird	ASY-M	4/29/2014	SY-M	3	

21-Jun	8081-78405	Red-winged Blackbird	ASY-F	7/7/2015	SY-F	2	
21-Jun	1212-76431	Red-winged Blackbird	SY-M	7/14/2015	HY-M	1	
21-Jun	8081-78432	Red-winged Blackbird	ASY-F	7/14/2015	SY-F	2	
21-Jun	1372-28710	Red-winged Blackbird	SY-M	5/10/2016	SY-M	1	
21-Jun	8081-78568	Red-winged Blackbird	ASY-F	5/11/2016	ASY-F	2	
21-Jun	8081-78536	Baltimore Oriole	ASY-F	5/8/2016	ASY-M	2	
24-Jun	2451-26611	Northern Cardinal	AHY-F	7/1/2014	AHY-F	3	
28-Jun	1212-76387	American Robin	AHY-M	6/26/2015	AHY-M	2	
28-Jun	1352-73621	American Robin	AHY-M	7/1/2014	SY-M	3	
5-Jul	2660-02600	Yellow warbler	AHY-M	6/23/2012	ASY-M	6	
5-Jul	2451-06082	Northern Cardinal	AHY-M	5/5/2013	AHY-M	4	
5-Jul	8081-78505	Baltimore Oriole	ASY-M	5/4/2016	ASY-M	2	
5-Jul	2780-96606	American Goldfinch	SY-F	5/8/2016	AHY-F	1	
7-Jul	2651-02609	Red-winged Blackbird	ASY-F	6/27/2014	SY-F	3	
16-Jul	2451-26717	Northern Cardinal	AHY-F	7/9/2015	SY-M	2	
16-Jul	2451-26612	Northern Cardinal	AHY-M	7/1/2014	AHY-M	3	
15-Sep	1212-76482	American Robin	AHY-M	9/17/2015	HY-U	1	

Species /	Year			2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	Total
Field Sparrow	1			2	3		2	1	1	1		1					11
Savannah Sparrow	1								1								1
Song Sparrow	1	1			1	2	3			1							8
Lincoln's Sparrow	1	7	5	4	1	4	4	4	9	4		1	1				40
Swamp Sparrow	1	2	7	5	2	3	3	6	1	1							27
White-throated Sparrow	1	56	61	42	16	22	31	14	3	2	2	1	1	1			250
White-crowned Sparrow	1	4	4				4	14	7					1	2		36
Northern Cardinal	1	22	10	11	20	16	16	17	5	8	8		2	3	2		124
Rose-breasted Grosbeak	1	5	6			1	1	3		1							17
Indigo Bunting	1	3	2				3	2		3		2					15
Red-winged Blackbird	1	180	171	151	251	213	140	125	44	40	40	14	10	12	4	4	1359
Common Grackle	1	35	24	10	40	62	62	35	35	18	18	5	1	2	1		286
Brown-headed Cowbird	1	3	6	1	9	2	2	7	9	8		1	1		1	1	49
Orchard Oriole	1	2	1		1			8									12
Baltimore Oriole	1	30	30	4	18	17	17	12		9	1	4	1	7			133
Total species banded	96	62	67	51	59	56	56	42	41	20	35	19	20	18	14		
				2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	Total
Total birds banded		791	745	477	696	696	771	560	343	192	102	99	40	68	40	20	4944
Recaptures		101	92	83	133	133	78	61	45	26	6	1	1	0	0	0	627
Net Hours		1178	880.3	945.25	1040.25	1040.25	952.00	739.00	430.50	363.75	238.50	89.75	49.50	51.00	48.00	47.50	7053.25
Birds banded per net hour		0.67	0.85	0.50	0.67	0.67	0.78	0.76	0.80	0.53	0.43	1.10	0.81	1.33	0.83	0.42	0.70
Total species		62	67	69	59	59	56	56	42	40	20	35	17	20	18	15	96
Nets (maximum)		20	17	20	20	20	16	16	16	14	13	13	9	10	8	8	20
Banding Days		20	17	16	20	20	19	15	8	6	5	2	1	1	1	1	132
<p>H. Thomas Bartlett Federal Permit # 21624 Red = newly banded species for SBI in 2016</p> <p>hthomas.bartlett@gmail.com</p>																	

South Bass Islands Bird Banding Totals 2003-2016

1	Black-billed Cuckoo – 2007	78	House Finch - 2005
31	Ruby-throated Hummingbird – 2006	33	American Goldfinch - 2009
1	Sora – 2013	54	Ovenbird - 2005
1	Sharp-shinned Hawk – 2013	19	Northern Waterthrush - 2006
4	Eastern Screech-Owl – 2015	1	Golden-winged Warbler - 2015
2	Red-bellied Woodpecker – 2009	8	Blue-winged Warbler - 2011
1	Yellow-bellied Sapsucker – 2015	22	Black-and-white Warbler - 2009
47	Downy Woodpecker – 2005	6	Tennessee Warbler- 2010
6	Northern Flicker (Yellow-shafted) – 2010	2	Orange-crowned Warbler - 2015
2	Eastern Wood-Pewee – 2003	62	Nashville Warbler - 2004
1	Acadian Flycatcher –2010	2	Connecticut Warbler- 2011
2	Willow Flycatcher – 2007	4	Mourning Warbler - 2003
2	“Trail’s” Flycatcher – 2012	3	Kentucky Warbler - 2008
19	Least Flycatcher – 2009	55	Common Yellowthroat - 2005
7	Eastern Phoebe – 2012	2	Hooded Warbler - 2007
16	Eastern Kingbird – 2009	17	American Redstart - 2003
4	White-eyed Vireo – 2006	1	Cape May Warbler - 2016
8	Blue-headed Vireo – 2011	1	Northern Parula - 2014
1	Philadelphia Vireo – 2016	34	Magnolia Warbler - 2004
13	Warbling Vireo – 2011	1	Bay-breasted Warbler - 2014
2	Red-eyed Vireo – 2011	1	Blackburnian Warbler - 2015
58	Blue Jay – 2003	171	Yellow Warbler - 2003
55	Purple Martin – 2011	12	Chestnut-sided Warbler - 2007
228	Tree Swallow – 2003	25	Blackpoll Warbler - 2012
21	Northern Rough-winged Swallow – 2012	18	Black-throated Blue Warbler -2007
91	Barn Swallow – 2010	58	Palm Warbler (“Western”) - 2004
49	Black-capped Chickadee – 2003	135	Yellow-rumped (“Myrtle”) Warbler - 2007
5	Red-breasted Nuthatch – 2011	15	Black-throated Green Warbler - 2007
5	White-breasted Nuthatch – 2013	3	Canada Warbler - 2003
2	Brown Creeper – 2011	5	Wilson’s Warbler – 2003
58	House Wren – 2003	2	Yellow-breasted Chat – 2007
1	Winter Wren – 2007	3	Eastern Towhee - 2010
1	Marsh Wren – 2006	7	Chipping Sparrow – 2012
8	Carolina Wren - 2007	1	Clay-colored Sparrow - 2012
8	Blue-gray Gnatcatcher - 2009	11	Field Sparrow –2007
1	Golden-crowned Kinglet - 2016	1	Savannah Sparrow – 2011
76	Ruby-crowned Kinglet - 2008	8	Song Sparrow – 2009
20	Veery - 2004	40	Lincoln’s Sparrow – 2006
37	Gray-cheeked Thrush - 2007	27	Swamp Sparrow – 2009
138	Swainson’s Thrush - 2003	250	White-throated Sparrow – 2004
31	Hermit Thrush - 2011	36	White-crowned Sparrow (Eastern) – 2004
15	Wood Thrush - 2005	124	Northern Cardinal – 2004
412	American Robin - 2003	17	Rose-breasted Grosbeak – 2009
114	Gray Catbird - 2004	15	Indigo Bunting – 2007
13	Brown Thrasher - 2009	1359	Red-winged Blackbird – 2003
12	European Starling - 2008	286	Common Grackle – 2004
9	Cedar Waxwing - 2012	49	Brown-headed Cowbird –2003
77	House Sparrow - 2010	12	Orchard Oriole – 2011
		133	Baltimore Oriole - 2005

South Bass Islands Bird Banding Totals 2003-2016

96 Species

4,944 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 2016

Banding Days = 132

Total Birds Banded = 4944

Total Escapes/releases = 47

Birds banded per net hour = 0.70

Total Birds Handled = 5643

Net hours = 7053.25

Total Recaptures = 627

Total Casualties = 13

% Casualties per bird handled = 0.23

Birds handled per net hour = 0.80

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Federal Permit #21624

2016 Middle Bass Island
Bird Banding Data

Dr. James Marshall
Federal Permit #21624-G

25-Sep	27-Sep	28-Sep	29-Sep	30-Sep	1-Oct	Total	Species
						1	Mourning Dove
	1					1	Eastern Whip-poor-will
						1	Ruby-throated Hummingbird
						1	Red-bellied Woodpecker
1	5					8	Downy Woodpecker
						1	Northern Flicker
			1			1	Eastern Phoebe
						1	Blue-headed Vireo
				1		1	Red-eyed Vireo
			1			10	Blue Jay
						40	Tree Swallow
						4	Barn Swallow
1	1		2	1		8	Black-capped Chickadee
	2		1			3	Red-breasted Nuthatch
				1		2	White-breasted Nuthatch
			1			1	Brown Creeper
1						1	Carolina Wren
			1			5	House Wren
1		2				3	Winter Wren
						1	Blue-gray Gnatcatcher
						2	Golden-crowned Kinglet
						17	Ruby-crowned Kinglet
4	2		8	1	1	16	Gray-cheeked Thrush
6	15	3	6	2	1	33	Swainson's Thrush
	1	1				7	Hermit Thrush
	1					1	Wood Thrush
						19	American Robin
1						1	Gray Catbird
1						5	Brown Thrasher
						4	European Starling
1	3	1	3	1		9	Ovenbird
	1				1	2	Northern Waterthrush
						1	Louisiana Waterthrush

H. Thomas Bartlett
Federal Permit #21624

2016 Middle Bass Island
Bird Banding Data

Dr. James Marshall
Federal Permit #21624-G

25-Sep	27-Sep	28-Sep	29-Sep	30-Sep	1-Oct	Total	Date
1	1	1	1	1	1	16	Banding days
16.75	12.25	14.25	22	23	14.00		Nets
96.25	108.25	28.50	161.00	77.00	62.00	1394.5	Net Hours
0	2	1	4	11	3	76	Recaptures
0	0	0	0	0	0	3	Escapes/releases
0	0	1	2	1	0	6	Injured birds
0	0	0	0	0	0	1	Casualties
0.22	0.42	0.25	0.24	0.13	0.05	0.29	Birds banded per net hour
11	11	9	28	13	15	159	Observers
							Escapes/releases
		OVEN	SWTH	SWTH			Injured birds
		wing stress	NOCA	stress			
			stress				
							Casualties
							Bander also:
							Dr. James Marshall
							Federal Permit # 21624-G
							Bold = Newly banded species for island

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min Years
24-Apr	0902-86492	American Robin	AHY-M	4/20/2014	SY-F	3
24-Apr	0902-96494	American Robin	AHY-M	4/20/2014	SY-M	3
24-Apr	0962-51811	American Robin	SY-M	4/26/2015	SY-M	2
24-Apr	0962-51868	American Robin	AHY-M	5/1/2015	SY-M	2
24-Apr	0962-51868	American Robin	AHY-M	5/1/2015	SY-M	2
24-Apr	1352-73692	American Robin	AHY-M	4/26/2015	SY-M	2
24-Apr	2561-72234	Red-winged Blackbird	ASY-F	6/19/2012	SY-F	4
24-Apr	2641-40772	Red-winged Blackbird	ASY-F	6/20/2013	SY-F	3
24-Apr	2740-30208	Black-capped Chickadee	AHY-U	9/22/2014	HY-U	2
24-Apr	2750-50830	Black-capped Chickadee	AHY-U	9/30/2015	HY-U	1
24-Apr	8081-78201	Red-winged Blackbird	ASY-F	4/27/2015	ASY-F	3
25-Apr	0962-51811	American Robin	SY-M	4/26/2015	SY-M	2
25-Apr	0902-86494	American Robin	AHY-M	4/20/2014	SY-M	3
25-Apr	1212-76483	American Robin	SY-F	4/24/2016	SY-F	1
25-Apr	2741-50702	Brown-headed Cowbird	AHY-F	4/24/2016	AHY-F	1
26-Apr	2590-87798	Black-capped Chickadee	AHY-F	9/30/2010	HY-U	6
26-Apr	2700-12267	Black-capped Chickadee	AHY-M	9/26/2012	HY-U	4
26-Apr	2750-50830	Black-capped Chickadee	AHY-F	9/30/2015	HY-U	1
26-Apr	1272-76489	American Robin	AHY-M	4/24/2016	SY-M	1
26-Apr	8081-78216	Red-winged Blackbird	ASY-F	4/27/2015	ASY-F	3
26-Apr	1212-76490	Red-winged Blackbird	ASY-M	4/24/2016	ASY-M	2
27-Apr	0962-51811	American Robin	AHY-M	4/26/2015	SY-M	2
27-Apr	1212-76483	American Robin	SY-M	4/24/2016	SY-M	1
27-Apr	1212-76486	American Robin	SY-F	4/24/2016	SY-F	1
27-Apr	1352-69540	Red-winged Blackbird	ASY-M	4/23/2014	SY-M	3
27-Apr	1352-73649	American Robin	AHY-M	7/11/2014	HY-U	2
27-Apr	2451-06092	Northern Cardinal	AHY-M	6/27/2013	AHY-M	4
27-Apr	2451-26721	Northern Cardinal	AHY-F	7/10/2015	AHY-F	2
27-Apr	2590-87798	Black-capped Chickadee	AHY-F	9/30/2010	HY-U	6
27-Apr	2621-45576	House Finch	AHY-M	4/26/2016	AHY-M	1
27-Apr	2700-12267	Black-capped Chickadee	AHY-M	9/26/2012	HY-U	4
27-Apr	2740-30208	Black-capped Chickadee	AHY-M	9/22/2014	HY-U	2
27-Apr	2750-50831	Black-capped Chickadee	AHY-M	9/30/2015	HY-U	1
27-Apr	2750-50832	Black-capped Chickadee	AHY-U	9/30/2015	HY-U	1
27-Apr	2750-50842	American Goldfinch	SY-F	4/26/2016	SY-F	1
27-Apr	2790-31501	Golden-crowned Kinglet	SY-F	4/26/2016	SY-F	1
27-Apr	8081-78481	Brown-headed Cowbird	SY-M	4/26/2016	SY-M	1
28-Apr	2591-69068	Tree Swallow	AHY-M			
28-Apr	1212-76489	American Robin	AHY-M	4/24/2016	SY-M	1
28-Apr	2750-50838	Yellow-rumped Warbler	SY-M	4/25/2016	SY-M	1

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min Years
29-Apr	1272-76488	Brown Thrasher	AHY-F	4/24/2016	SY-F	1
29-Apr	2621-45579	Swamp Sparrow	SY-M	4/26/2016	AHY-U	1
29-Apr	2741-50740	White-throated Sparrow	SY-U	4/27/2016	SY-U	1
29-Apr	2561-72230	Red-winged Blackbird	ASY-F	6/19/2012	ASY-F	6
29-Apr	1352-69524	Red-winged Blackbird	ASY-M	4/22/2014	ASY-M	4
29-Apr	0962-51868	American Robin	AHY-M	5/1/2015	SY-M	2
29-Apr	1372-03622	American Robin	SY-F	4/27/2016	SY-U	1
29-Apr	8081-78486	Brown-headed Cowbird	SY-M	4/27/2016	SY-M	1
23-Jun	2561-72240	Red-winged Blackbird	ASY-F	6/19/2012	ASY-F	6
23-Jun	1352-27092	Red-winged Blackbird	ASY-M	6/27/2013	SY-M	4
30-Jun	2451-26725	Northern Cardinal	AHY-M	4/24/2016	AHY-M	1
30-Jun	2651-02699	Red-winged Blackbird	ASY-F	4/26/2015	ASY-F	3
11-Jul	1372-03631	American Robin	AHY-M	4/29/2016	AHY-M	1
11-Jul	0962-51814	American Robin	AHY-M	4/26/2015	SY-M	2
27-Sep	2741-50729	Downy Woodpecker	ATY-M	4/26/2016	TY-M	3
27-Sep	2750-50831	Black-capped Chickadee	AHY-U	9/30/2015	HY-U	1
28-Sep	2451-26720	Northern Cardinal	AHY-M	7/10/2015	SY-M	2
29-Sep	2471-02627	Downy Woodpecker	HY-M	9/27/2016	HY-M	>1
29-Sep	2471-02610	Gray-cheeked Thrush	HY-U	9/26/2016	HY-U	>1
29-Sep	2051-59906	Ovenbird	HY-U	9/26/2016	HY-U	>1
29-Sep	2051-59909	Ovenbird	HY-U	9/27/2016	HY-U	>1
30-Sep	2741-50729	Downy Woodpecker	ATY-M	4/26/2016	TY-M	3
30-Sep	2471-02623	Downy Woodpecker	HY-M	9/27/2016	HY-M	>1
30-Sep	2471-02627	Downy Woodpecker	HY-M	9/27/2016	HY-M	>1
30-Sep	2780-96672	Black-capped Chickadee	HY-U	7/11/2016	HY-U	>1
30-Sep	2780-96673	Black-capped Chickadee	HY-U	7/11/2016	HY-U	>1
30-Sep	2780-96913	Black-capped Chickadee	HY-U	9/29/2016	HY-U	>1
30-Sep	2780-96918	Black-capped Chickadee	HY-U	9/29/2016	HY-U	>1
30-Sep	2471-02649	Gray-cheeked Thrush	HY-U	9/29/2016	HY-U	>1
30-Sep	2471-02621	Swainson's Thrush	HY-U	9/27/2016	HY-U	>1
30-Sep	2471-02635	Hermit Thrush	HY-U	9/27/2016	HY-U	>1
30-Sep	2790-45910	Black-throated Blue Warbler	HY-F	9/29/2016	HY-F	>1
1-Oct	2740-30208	Black-capped Chickadee	AHY-U	9/22/2014	HY-U	2
1-Oct	2471-02651	Gray-cheeked Thrush	HY-U	9/29/2016	HY-U	>1
1-Oct	2451-26762	Northern Cardinal	HY-F	9/29/2016	HY-F	>1

**Middle Bass Island
Avian 2016 Observational Data**

H. Thomas Bartlett

Species	Date		24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep
Canada Goose*	1			4	2	2	2		8	31	12	6
Wood Duck*	1		2	1	2		2					
Mallard*	1		1	2	2	2	3		2	41	10	4
Blue-winged Teal			*									
Lesser Scaup			*									
Bufflehead			*									
Red-breasted Merganser	1		65	13	15	15	12					
Horned Grebe	1		2	2								
Double-crested Cormorant**	1		75	250	125	100	25		4	150	4	2500
American White Pelican	1											5
Great Blue Heron*	1		1	1	1	1						
Great Egret*			*									
Turkey Vulture*	1		2	1	5	6	4		9	12	1	4
Sharp-shinned Hawk	1			1								
Cooper's Hawk*	1		1	2		1	1		1	1		
Bald Eagle*	1			1	3				3			
Red-tailed Hawk*	1					1				1		
Sora Rail	1					1	1					
Killdeer*	1		3	1						1		
Bonaparte's Gull	1		3									
Ring-billed Gull*	1								4	45	12	25
Herring Gull*	1		12	10	8	6	24		9	150	10	75
Great Black-backed Gull	1			1								
Gull species?										200		
Caspian Tern	1								1	2	4	1
Mourning Dove*	1		10	14	8	10	8		1	1		
Eastern Screech-Owl*												
Great Horned Owl*	1								1			1
Eastern Whip-poor-will	1									1		
Chimney Swift*	1						1					
Ruby-throated Hummingbird*	1				1		1					1
Belted Kingfisher*	1				1	1	1					
Red-headed Woodpecker*												
Red-bellied Woodpecker*	1		1	2	2	2	1		1	1	1	1

Middle Bass Island
Avian 2016 Observational Data

H. Thomas Bartlett

30-Sep	1-Oct	Species	Date
10		Canada Goose*	
4		Wood Duck*	
4	2	Mallard*	
		Blue-winged Teal	
		Lesser Scaup	
		Bufflehead	
		Red-breasted Merganser	
		Horned Grebe	
75	1500	Double-crested Cormorant*	
		American White Pelican	
		Great Blue Heron*	
		Great Egret*	
8		Turkey Vulture*	
		Sharp-shinned Hawk	
		Cooper's Hawk*	
2	2	Bald Eagle*	
		Red-tailed Hawk*	
		Sora Rail	
		Killdeer*	
	6	Bonaparte's Gull	
12	45	Ring-billed Gull*	
50	250	Herring Gull*	
		Great Black-backed Gull	
	500	Gull species?	
	1	Caspian Tern	
1		Mourning Dove*	
	1	Eastern Screech-Owl*	
		Great Horned Owl*	
		Eastern Whip-poor-will	
35		Chimney Swift*	
1		Ruby-throated Hummingbird*	
		Belted Kingfisher*	
	*	Red-headed Woodpecker*	
		Red-bellied Woodpecker*	

**Middle Bass Island
Avian 2016 Observational Data**

H. Thomas Bartlett

Species	Date		24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep
Downy Woodpecker*	1		3	4	2	6	3		6	10	6	8
Northern Flicker*	1		3	3	1	4	2		1	2	4	4
American Kestrel*	1			1								
Merlin	1								1			
Peregrine Falcon	1											
Eastern Wood-Pewee*	1											1
Least Flycatcher	1					1						
Eastern Phoebe*	1											2
Eastern Kingbird*	1		1			1						
Blue-headed Vireo	1			1	1	2						1
Warbling Vireo*	1					2						
Red-eyed Vireo*	1											1
Blue Jay*	1		4	90	12	15	10		3		1	1
American Crow*	1		2	2		3	1		2		1	4
Northern Rough-winged Swallow*	1		2	2	2	4	6					
Purple Martin*	1		1	8	4	15	6					
Tree Swallow*	1		44	40	100	125	225					
Bank Swallow*	1						12					
Barn Swallow*	1		3	10	2	30	75					
Cliff Swallow*	1					8	6					
Black-capped Chickadee*	1		8	8	8	8	6		13	15	15	25
Red-breasted Nuthatch*	1								1	6	15	15
White-breasted Nuthatch*	1		1	1	1				1	1	1	2
Brown Creeper	1								1		2	5
House Wren*	1			2	5	4	1		3	1	1	2
Winter Wren	1		1						3		2	3
Carolina Wren*	1		2	1					4	4	2	4
Blue-gray Gnatcatcher*	1		3	4	10	6	6				1	4
Golden-crowned Kinglet	1			1	3	2					1	12
Ruby-crowned Kinglet	1		5	18	12	12	8					35
Eastern Bluebird*	1			1								
Veery*	1								1			
Gray-cheeked Thrush	1								12	15		25
Swainson's Thrush	1								34	35	12	20
Hermit Thrush	1		1	1	6					1	1	

**Middle Bass Island
Avian 2016 Observational Data**

H. Thomas Bartlett

30-Sep	1-Oct	Species	Date
10	6	Downy Woodpecker*	
6	2	Northern Flicker*	
		American Kestrel*	
		Merlin	
1		Peregrine Falcon	
	1	Eastern Wood-Pewee*	
		Least Flycatcher	
2	1	Eastern Phoebe*	
		Eastern Kingbird*	
1		Blue-headed Vireo	
		Warbling Vireo*	
1		Red-eyed Vireo*	
		Blue Jay*	
2		American Crow*	
		Northern Rough-winged Swallow*	
		Purple Martin*	
		Tree Swallow*	
		Bank Swallow*	
		Barn Swallow*	
		Cliff Swallow*	
15	15	Black-capped Chickadee*	
3	2	Red-breasted Nuthatch*	
2	1	White-breasted Nuthatch*	
2		Brown Creeper	
1	1	House Wren*	
2		Winter Wren	
1	2	Carolina Wren*	
	1	Blue-gray Gnatcatcher*	
10	6	Golden-crowned Kinglet	
4	8	Ruby-crowned Kinglet	
		Eastern Bluebird*	
1		Veery*	
6	2	Gray-cheeked Thrush	
15	3	Swainson's Thrush	
1		Hermit Thrush	

**Middle Bass Island
Avian 2016 Observational Data**

H. Thomas Bartlett

Species	Date		24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep
Wood Thrush	1									1		
American Robin*	1	60	50	25	35	25			5	6		
Gray Catbird*	1								1	1		1
Brown Thrasher*	1	5	2	2	5	5			1			
European Starling*	1	3	2	1	2	6			2			
Cedar Waxwing*	1								2			4
Ovenbird*	1								2	4	2	8
Louisiana Waterthrush	1		1									
Northern Waterthrush	1									1		
Black-and-white Warbler*	1									2	2	2
Tennessee Warbler	1									2	3	4
Nashville Warbler	1		6	3	3	2			1	4	4	6
Common Yellowthroat*	1			2								
American Redstart*	1								1	4		
Cape May Warbler	1									6	4	3
Northern Parula	1		1									
Magnolia Warbler	1								4	12	3	12
Blackburnian Warbler	1									1	1	2
Yellow Warbler*	1		1	12	6	4						
Blackpoll Warbler	1								3	20	20	25
Black-throated Blue Warbler	1								2	6		7
Palm Warbler	1		20	10	10	8			1			
Yellow-rumped Warbler	1	5	40	20	15	20			5	15	20	25
Black-throated Green Warbler	1		10	4	2	2					2	4
Yellow-breasted Chat*	1									1		
Warbler species?									23		30	35
Chipping Sparrow*	1	1	1	6	2	2						
Field Sparrow*	1			1								
Dark-eyed Junco	1	1	1									
White-crowned Sparrow	1			5								
White-throated Sparrow	1	4	20	40	30	12			4		4	20
Song Sparrow*	1	1	1				1					
Lincoln's Sparrow	1			4	4	2						
Swamp Sparrow*	1	1	1	8	6	5						
Eastern Towhee*	1		1	1	3	1						

**Middle Bass Island
Avian 2016 Observational Data**

H. Thomas Bartlett

30-Sep	1-Oct	Species	Date
		Wood Thrush	
	20	American Robin*	
		Gray Catbird*	
		Brown Thrasher*	
		European Starling*	
6	4	Cedar Waxwing*	
2		Ovenbird*	
		Louisiana Waterthrush	
	1	Northern Waterthrush	
		Black-and-white Warbler*	
		Tennessee Warbler	
		Nashville Warbler	
2	1	Common Yellowthroat*	
		American Redstart*	
		Cape May Warbler	
		Northern Parula	
2		Magnolia Warbler	
		Blackburnian Warbler	
		Yellow Warbler*	
6	2	Blackpoll Warbler	
1		Black-throated Blue Warbler	
		Palm Warbler	
4	2	Yellow-rumped Warbler	
		Black-throated Green Warbler	
		Yellow-breasted Chat*	
		Warbler species?	
		Chipping Sparrow*	
		Field Sparrow*	
		Dark-eyed Junco	
		White-crowned Sparrow	
12	15	White-throated Sparrow	
		Song Sparrow*	
1		Lincoln's Sparrow	
		Swamp Sparrow*	
1		Eastern Towhee*	

**Middle Bass Island
Avian 2016 Observational Data**

H. Thomas Bartlett

Species	Date		24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep
Sparrow species?												
Northern Cardinal*	1		4	6	6	6	4		6	5	6	8
Indigo Bunting*	1								1			1
Red-winged Blackbird*	1		110	50	50	75	120					1
Common Grackle*	1		25	15	25	30	50					
Brown-headed Cowbird*	1		30	30	20	30	25					
House Finch*	1		7	5	10	6	6					
American Goldfinch*	1		8	6	6	6	6		7	2	6	20
House Sparrow*	1		2			1	4					
Total Species			45	57	50	50	49		44	41	36	48
Total Individuals	104		529	774	605	673	763		201	820	226	2985
Species	Date		24-Apr	25-Apr	26-Apr	27-Apr	28-Apr	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep
Location												
Time								Setup				
Observers			28	7	5	5	5	13	11	11	9	28
Volunteer Hours												
Tom Bartlett			12	12	12	12	6	3	12	12	12	12
Paula Bartlett			12	12	12	12	6	3	12	12	12	12
Lisa Brohl												6
Teddi Pertner			10	12	12	12	6	3	12	12	12	
Nancy Welter			10		4			3	1			12
John Leopold								3				
Peg Leopold								3				
Shane Roberts								3	12			12
Jim Coffman												
Tina Larsen								2				
Karen D								2				
Mariann M								2				
								3	8			
								3	4			

**Middle Bass Island
Avian 2016 Observational Data**

H. Thomas Bartlett

30-Sep	1-Oct	Species	Date
6		Sparrow species?	
8	6	Northern Cardinal*	
		Indigo Bunting*	
		Red-winged Blackbird*	
		Common Grackle*	
		Brown-headed Cowbird*	
	4	House Finch*	
35	18	American Goldfinch*	
		House Sparrow*	
43	32	Total Species	
374	2431	Total Individuals	
30-Sep	1-Oct	Species	Date
		Location	
		Time	
13	15	Observers	
		Volunteer Hours	
12	9	Tom Bartlett	
12	9	Paula Bartlett	
		Lisa Brohl	
		Teddi Pertner	
4	4	Nancy Welter	
	4	John Leopold	
	4	Peg Leopold	
8		Shane Roberts	
2	9	Jim Coffman	
		Tina Larsen	
		Karen D	
		Mariann M	
		Chris Helman	
		Luke	

2016 Spring Bandout Middle Bass Island

Dates: April 24 through April 29
Location: East Point Preserve; Put-in-Bay Park District
Participants: Tom Bartlett; Bander (Federal Permit: 21624)
 Paula Bartlett; Extractor and scribe
 Shane Roberts; Extractor
 Teddi Pertner and Nancy Welter; Scribes and Assistants
 Matt Luginbihl ; Assistant

Guests: 58

Birds Banded

1 Mourning Dove	1 Louisiana Waterthrush *
1 Ruby-throated Hummingbird	2 Nashville Warbler
1 Red-bellied Woodpecker	2 Yellow Warbler
1 Downy Woodpecker	9 Palm Warbler ("Western")
1 Northern Flicker	18 Yellow-rumped Warbler ("Myrtle")
1 Blue-headed Vireo	2 Eastern Towhee
9 Blue Jay	1 Field Sparrow
40 Tree Swallow	1 Lincoln's Sparrow
4 Barn Swallow	3 Swamp Sparrow
3 House Wren	34 White-throated Sparrow
1 Blue-gray Gnatcatcher	4 Northern Cardinal
2 Golden-crowned Kinglet	32 Red-winged Blackbird
17 Ruby-crowned Kinglet	5 Common Grackle
5 Hermit Thrush	10 Brown-headed Cowbird
16 American Robin	5 House Finch
4 Brown Thrasher	5 American Goldfinch
3 European Starling	

Species: 33 **Individuals: 244**

Species in Bold are new to the banded list for Middle Bass Island

*** = First of this species banded by me on the Lake Erie Islands in 21 years**

Recaptures: 49(38 individuals); 1 from 2010, 3 from 2012, 2 from 2013, 4 from 2014, 9 from 2015, and 17 from earlier in 2016. 2 individuals are from unknown sources at this time.

Escapes: 2 – Blue Jay and Red-winged Blackbird

Casualties: 1 – White-throated Sparrow (0.34% per birds handled)

Effort: 6 days 717.75 net hours
 0.34 birds banded per net hour 0.41 birds handled per net hours

1612 individuals of 89 species of birds have been banded on Middle Bass Island since 2009

**Fall 2016 Middle Bass Island Bandout
September 26 – October 1
East Point Preserve, Put-in-Bay Park District**

The fall of 2016 was the eighth year of a fall bandout at the East Point Preserve on Middle Bass Island in Lake Erie. For the second year in a row, weather was a problem. This year it was high winds (again) from the wrong direction and several days of rain which limited our efforts. In spite of that, we managed our second highest number and diversity of banded birds. We banded 125 individuals of 32 species over a period of 6 days. In the fall of 2013 we banded 213 individuals of 37 species in only 4 days. We did have our highest number of recaptured birds (21) this year. Most were birds banded earlier in the week but several were from years past. Fall banding on the Lake Island Islands is a very hit or miss effort as we are very limited by weather. But our research is showing that these islands (Kelleys, Middle Bass, and South Bass) are clearly important as resting and refueling sites for migratory birds. For example, we captured and banded numerous Blackpoll Warblers this fall. On Middle Bass this week the average weight of a captured individual was 12.2 grams. We found lighter weight birds earlier in the week and they got heavier as the week went on. On Friday we captured a hatch-year male which weighted 22.6 grams. This was by far the heaviest Blackpoll Warbler I have found and had the most amount of fat that I have seen on any songbird. It was ready to head for South America with the next good winds. This fall we added three new species to the Middle Bass Island list of banded birds: Eastern Whip-poor-will, Wood Thrush, and Yellow-breasted Chat. The Eastern Whip-poor-will is the first banded by me on the Lake Erie Islands and only the second one I have banded in 45 years. In addition we added two more species to the fall bandout list: White-breasted Nuthatch and Brown Thrasher.

Special thanks to all the volunteers who helped setup, monitor, scribe, and takedown. I would like to thank Paula Bartlett, Russ and Lisa Brohl, Jim Coffman, Karen Dolej, Chris Helman and Luke, Tina Larsen, John and Peg Leopold, Marianne Manderbach, Teddi Pertner, Shane Roberts, and Nancy Welter (and son, Mike!). We had 87 visitors to the station this fall and many were first timers. I would especially like to thank the Lake Island Islands Conservancy and the Lake Erie Islands Nature and Wildlife Center for their financial and in kind support. And the Brohl family for the use of their cottage on Middle Bass Island during the week as well as Teddi Pertner for lodging.

Banded Birds

1	Eastern Whip-poor-will*	1	Gray Catbird
6	Downy Woodpecker	1	Brown Thrasher
1	Eastern Phoebe	9	Ovenbird
1	Red-eyed Vireo	2	Northern Waterthrush
1	Blue Jay	1	Tennessee Warbler
5	Black-capped Chickadee	2	Nashville Warbler
3	Red-breasted Nuthatch	1	Common Yellowthroat
1	White-breasted Nuthatch	1	American Redstart
1	Brown Creeper	2	Cape May Warbler
1	House Wren	6	Magnolia Warbler
3	Winter Wren	5	Blackpoll Warbler
1	Carolina Wren	5	Black-throated Blue Warbler
16	Gray-cheeked Thrush	7	Yellow-rumped (Myrtle) Warbler
33	Swainson's Thrush	1	Yellow-breasted Chat
2	Hermit Thrush	1	White-throated Sparrow
1	Wood Thrush	3	Northern Cardinal

32 species

125 individuals

Bold = new for the Middle Bass Island banded list

*** = First of this species banded by me on the Lake Erie Island in 21 years**

There were 21 recaptures of 19 individuals during the week; 1 banded 2014, 2 banded 2015, and the others earlier in 2016 (13 of them earlier this week). There were no escapes or released birds and no casualties during the week.

Over the last eight years we have banded 33 days during our Middle Bass Island fall bandout with 7182.75 net hours of effort and 0.10 birds per net hour. We have banded 70 species of birds and 753 individuals. Our birds per net hour is very low and due to the effects of weather conditions at this time of year. 2016 we had 0.29 birds banded per net hour. A look at the top ten banded species over the last eight years shows most to be migratory species. These species make-up 63% of the birds banded during the fall bandout.

1.	Swainson's Thrush	137	Migrant
2.	Gray-cheeked Thrush	66	Migrant
3.	Blackpoll Warbler	63	Migrant
4.	Yellow-rumped Warbler (Myrtle)	41	Migrant
5.	Black-capped Chickadee	34	Resident (some can be migrants)
6.	White-throated Sparrow	26	Migrant
7.	Downy Woodpecker	24	Resident
	Northern Cardinal		Resident
9.	Red-breasted Nuthatch	21	Migrant
10.	Ovenbird	20	Migrant
	Nashville Warbler		Migrant

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Species	Year	Species	2016	2015	2014	2013	2012	2011	2010	2009	Total
Mourning Dove		1	1		2						3
Yellow-billed Cuckoo		1			1			1			2
Eastern Whip-poor-will		1	1								1
Ruby-throated Hummingbird		1	1		1		1				3
American Woodcock		1		1							1
Cooper's Hawk		1			1						1
Eastern Screech-Owl		1			1						1
Belted Kingfisher		1				1					1
Red-bellied Woodpecker		1	1	1							2
Yellow-bellied Sapsucker		1							1		1
Downy Woodpecker		1	8	1	5	5	6		5		30
Northern Flicker		1	1								1
Eastern Wood-Pewee		1				1	1		1		3
Yellow-bellied Flycatcher		1			5	1					6
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				2
Philadelphia Vireo		1					2				2
Red-eyed Vireo		1	1		3	4	6				14
Blue Jay		1	10	2	3	2					17
Tree Swallow		1	40	6	2						48
Barn Swallow		1	4								4
Purple Martin		1							6		6
Black-capped Chickadee		1	8	6	3	3	6	4	7	6	43
Red-breasted Nuthatch		1	3				18				21
White-breasted Nuthatch		1	2								2
Brown Creeper		1	1	1			2				4
Carolina Wren		1	1		2		3	2	2		10
House Wren		1	5	1	1		6	1	1		15
Winter Wren		1	3			5	1		3	1	13
Blue-gray Gnatcatcher		1	1	1	3						5
Golden-crowned Kinglet		1	2		4				5	7	18
Ruby-crowned Kinglet		1	17	5	8	2	2		1	1	36
Eastern Bluebird		1		1							1
Veery		1						1			1
Gray-cheeked Thrush		1	16	2	13	4	26	2	3		66
Swainson's Thrush		1	33	6	12	16	58	9	3		137
Hermit Thrush		1	7	13	23		2		6	1	52
Wood Thrush		1	1								1
American Robin		1	19	39	35	18	17	16	11		155
Gray Catbird		1	1			2	1		9		13
Brown Thrasher		1	5	3							8
European Starling		1	4	1	1		2				8
Cedar Waxwing		1					1				1
House Finch		1	5	1							6
Purple Finch		1					1				1
American Goldfinch		1	5	3	2		3	1	1		15
Ovenbird		1	9	1	3	2	4		3	1	23
Louisiana Waterthrush		1	1								1
Northern Waterthrush		1	2				3	1	1		7
Black-and-white Warbler		1			1		3				4
Tennessee Warbler		1	1		3	1	6				11
Nashville Warbler		1	4		2	5	9	1	1		22
Connecticut Warbler		1		2			1				3
Mourning Warbler		1					1				1

Middle Bass Island Banding Totals 2009 - 2016

3	Mourning Dove (2014)	1	Cedar Waxwing (2012)
2	Yellow-billed Cuckoo (2011)	6	House Finch (2015)
1	Eastern Whip-poor-will (2016)	1	Purple Finch (2012)
3	Ruby-throated Hummingbird (2012)	15	American Goldfinch (2010)
1	American Woodcock (2015)	23	Ovenbird (2009)
1	Cooper's Hawk (2014)	1	Louisiana Waterthrush (2016)
1	Eastern Screech-Owl (2014)	7	Northern Waterthrush (2010)
1	Belted Kingfisher (2013)	4	Black-and-white Warbler (2012)
2	Red-bellied Woodpecker (2015)	11	Tennessee Warbler (2012)
1	Yellow-bellied Sapsucker (2010)	22	Nashville Warbler (2010)
30	Downy Woodpecker (2010)	3	Connecticut Warbler (2012)
1	Northern Flicker (Yellow-shafted)(2016)	1	Mourning Warbler (2012)
3	Eastern Wood-Pewee (2010)	6	Common Yellowthroat (2010)
6	Yellow-bellied Flycatcher (2013)	12	American Redstart (2011)
6	Eastern Phoebe (2009)	5	Cape May Warbler (2011)
1	Great Crested Flycatcher (2014)	1	Northern Parula (2014)
3	Eastern Kingbird (2012)	19	Magnolia Warbler (2010)
3	Blue-headed Vireo (2010)	1	Blackburnian Warbler (2011)
2	Philadelphia Vireo (2012)	29	Yellow Warbler (2010)
2	Warbling Vireo (2012)	1	Chestnut-sided Warbler (2013)
14	Red-eyed Vireo (2012)	60	Blackpoll Warbler (2011)
17	Blue Jay (2013)	18	Black-throated Blue Warbler (2010)
6	Purple Martin (2010)	10	Palm Warbler (Western) (2009)
48	Tree Swallow (2014)	64	Yellow-rumped Warbler (Myrtle) (2009)
4	Barn Swallow (2016)	7	Black-throated Green Warbler (2010)
43	Black-capped Chickadee (2009)	1	Canada Warbler (2011)
21	Red-breasted Nuthatch (2012)	1	Wilson's Warbler (2012)
2	White-breasted Nuthatch (2016)	1	Yellow-breasted Chat (2016)
4	Brown Creeper (2012)	3	Eastern Towhee (2015)
15	House Wren (2010)	2	Chipping Sparrow (2010)
13	Winter Wren (2009)	4	Field Sparrow (2014)
10	Carolina Wren (2010)	3	Savannah Sparrow (2010)
5	Blue-gray Gnatcatcher (2014)	1	Nelson's Sparrow (2009)
18	Golden-crowned Kinglet (2009)	10	Song Sparrow (2010)
36	Ruby-crowned Kinglet (2009)	7	Lincoln's Sparrow (2010)
1	Eastern Bluebird (2015)	22	Swamp Sparrow (2009)
1	Veery (2011)	73	White-throated Sparrow (2009)
66	Gray-cheeked Thrush (2010)	5	White-crowned Sparrow (2009)
137	Swainson's Thrush (2010)	5	Dark-eyed Junco (Slate-colored) (2014)
52	Hermit Thrush (2009)	2	Scarlet Tanager (2013)
1	Wood Thrush (2016)	56	Northern Cardinal (2010)
155	American Robin (2010)	1	Rose-breasted Grosbeak (2013)
13	Gray Catbird (2010)	3	Indigo Bunting (2013)
8	Brown Thrasher	364	Red-winged Blackbird (2010)
8	European Starling (2012)	40	Common Grackle (2013)

Middle Bass Island Banding Totals 2009 - 2016

19 Brown-headed Cowbird (2013)
11 Orchard Oriole (2011)

43 Baltimore Oriole (2010)

93 Species

1,776 Total Individuals

1st Column = Total individuals banded

2nd Column = Species / Subspecies

3rd Column = first year banded

Banding Days = 71

Net hours = 5807.25

Birds banded per net hour = 0.31

Birds handled per net hour = 0.35

Total Birds Handled = 2032

Recaptures = 235

% Recaptures per bird handled = 11.6

Escapes = 18

Casualties = 3

% Casualties per bird handled = 0.15

Seven new species added to the island banded list this year

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**2016 Bird Banding Data
North Bass Island**

Dr. James Marshall
Federal Permit #21624-G

Species	Year	25-Jun	2-Jul	9-Jul	15-Jul	Total
Eastern Phoebe					3	3
Yellow Warbler		2			1	3
Northern Cardinal		1				1
Red-winged Blackbird		1		1		2
Total species		3	0	1	2	4
Total individuals		4	0	1	4	9
Date		25-Jun	2-Jul	9-Jul	15-Jul	Total
Banding days		1	1	1	1	4
Nets		9.5	9.5	9.5	9.5	
Net Hours		38	38	42.75	42.75	161.5
Recaptures		1	0	2	0	3
Escapes/releases		0	0	0	0	0
Injured birds		0	0	0	0	0
Casualties		0	0	0	0	0
Birds banded per net hour		0.11	0.00	0.02	0.09	0.06
Observers		2	2	2	2	8
Escapes/releases						
Injured birds						
		Excessive noise				
			tractor			
Casualties						
Bander also:						
Dr. James Marshall						
Federal Permit # 21624-G						
Bold = Newly banded species for island						

2016 Bird Recaptures
North Bass Island

Dr. James Marshall
Federal Permit # 21624 - G

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min
25-Jun	2561-72270	Red-winged Blackbird	ASY-F	6/28/2012	ASY-F	6
9-Jul	2411-72086	Red-winged Blackbird	ASY-F	7/17/2010	ASY-F	8
9-Jul	1212-76412	Red-winged Blackbird	ASY-M	7/4/2015	ASY-M	3

North Bass Island Banding Totals 2010 - 2016

4	Downy Woodpecker (2012)	4	Chipping Sparrow (2011)
1	Willow Flycatcher (2014)	4	Northern Cardinal (2012)
8	Eastern Phoebe (2011)	6	Indigo Bunting (2011)
1	Eastern Kingbird (2012)	1	Dickcissel (2012)
13	Barn Swallow (2013)	278	Red-winged Blackbird (2010)
1	Black-capped Chickadee (2012)	7	Brown-headed Cowbird (2011)
56	American Robin (2010)	2	Orchard Oriole (2011)
1	Carolina Wren (2015)	11	Baltimore Oriole (2011)
5	Gray Catbird (2011)	5	House Finch (2011)
50	European Starling (2011)	10	American Goldfinch (2011)
59	Yellow Warbler (2010)		

21 Species

527 Total Individuals

1st Column = Total individuals banded

2nd Column = Species / Subspecies

3rd Column = first year banded

Banding Days = 24

Net hours = 778.5

Birds banded per net hour = 0.68

Birds handled per net hour = 0.70

Total Birds Handled = 546

Recaptures = 18

% Recaptures per bird handled = 3.29

Escapes = 1

Casualties = 0

% Casualties per bird handled = 0.00

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Lake Erie Bass Islands Bird Banding Totals 2003-2016

3	Mourning Dove – 2014	275	Swainson's Thrush - 2003
2	Yellow-billed Cuckoo – 2004	83	Hermit Thrush - 2009
1	Black-billed Cuckoo – 1996	16	Wood Thrush - 2005
1	Eastern Whip-poor-will – 2016	623	American Robin - 2003
34	Ruby-throated Hummingbird – 2006	132	Gray Catbird - 2004
1	Sora – 2013	21	Brown Thrasher - 2009
1	American Woodcock – 2015	70	European Starling - 2008
1	Sharp-shinned Hawk – 2013	10	Cedar Waxwing - 2012
1	Cooper's Hawk - 2014	77	House Sparrow - 2010
4	Eastern Screech-Owl – 1998	89	House Finch - 2005
1	Belted Kingfisher– 2013	1	Purple Finch - 2012
4	Red-bellied Woodpecker – 2009	58	American Goldfinch - 2009
2	Yellow-bellied Sapsucker – 2010	77	Ovenbird - 2005
81	Downy Woodpecker – 2005	1	Louisiana Waterthrush – 2016
7	Northern Flicker (Yellow-shafted) – 2010	26	Northern Waterthrush - 2006
5	Eastern Wood-Pewee – 2003	1	Golden-winged Warbler - 2015
6	Yellow-bellied Flycatcher – 2013	8	Blue-winged Warbler - 2011
1	Acadian Flycatcher –2010	26	Black-and-white Warbler - 2009
3	Willow Flycatcher – 2007	17	Tennessee Warbler- 2010
2	“Trail’s” Flycatcher – 2012	2	Orange-crowned Warbler - 2015
19	Least Flycatcher – 2009	84	Nashville Warbler - 2004
21	Eastern Phoebe – 2009	5	Connecticut Warbler- 2011
1	Great Crested Flycatcher – 2014	5	Mourning Warbler - 2003
20	Eastern Kingbird – 2009	3	Kentucky Warbler - 2008
4	White-eyed Vireo – 2006	61	Common Yellowthroat - 2005
11	Blue-headed Vireo – 2010	2	Hooded Warbler - 2007
15	Warbling Vireo – 2011	29	American Redstart - 2003
3	Philadelphia Vireo – 2012	6	Cape May Warbler - 2011
16	Red-eyed Vireo – 2011	2	Northern Parula - 2014
75	Blue Jay – 2003	53	Magnolia Warbler - 2004
61	Purple Martin – 2010	1	Bay-breasted Warbler - 2014
276	Tree Swallow – 2003	2	Blackburnian Warbler - 2011
21	Northern Rough-winged Swallow – 2012	259	Yellow Warbler - 2003
108	Barn Swallow – 2010	13	Chestnut-sided Warbler - 2007
93	Black-capped Chickadee – 2003	85	Blackpoll Warbler - 2010
26	Red-breasted Nuthatch – 2011	36	Black-throated Blue Warbler -2007
7	White-breasted Nuthatch – 2013	68	Palm Warbler (“Western”) - 2004
6	Brown Creeper – 2011	199	Yellow-rumped (“Myrtle”) Warbler - 2007
73	House Wren – 2003	22	Black-throated Green Warbler - 2007
14	Winter Wren – 2007	4	Canada Warbler - 2003
1	Marsh Wren – 2006	6	Wilson's Warbler – 2003
19	Carolina Wren - 2007	3	Yellow-breasted Chat – 2007
13	Blue-gray Gnatcatcher - 2009	6	Eastern Towhee - 2010
19	Golden-crowned Kinglet - 2009	13	Chipping Sparrow – 2010
112	Ruby-crowned Kinglet - 2008	1	Clay-colored Sparrow - 2012
1	Eastern Bluebird – 2015	15	Field Sparrow –2007
21	Veery - 2004	4	Savannah Sparrow – 2010
103	Gray-cheeked Thrush - 2007	1	Nelson's Sparrow– 2009

Lake Erie Bass Islands Bird Banding Totals 2003-2016

18	Song Sparrow – 2009	18	Rose-breasted Grosbeak – 2009
47	Lincoln's Sparrow – 2006	24	Indigo Bunting – 2007
49	Swamp Sparrow – 2009	1	Dickcissel – 2012
323	White-throated Sparrow – 2005	2001	Red-winged Blackbird – 2003
41	White-crowned Sparrow (Eastern) – 200	326	Common Grackle – 2004
5	Dark-eyed Junco (Slate-colored) – 2014	75	Brown-headed Cowbird – 2003
2	Scarlet Tanager – 2013	25	Orchard Oriole – 2011
184	Northern Cardinal – 2004	187	Baltimore Oriole - 2005

111 Species

7,247 Total Individuals

Includes all species of birds and individuals banded by the Researchers between 2003 and 2016 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 2016

Banding Days = 227

Total Birds Banded = 7247

Total Escapes/releases = 64

Birds banded per net hour = 0.53

Total Birds Handled = 8207

Net hours = 13639.00

Total Recaptures = 880

Total Casualties = 16

% Casualties per bird handled = 0.20

Birds handled per net hour = 0.60

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