

2020 Lake Erie Bass Islands Avian Research Project

H. Thomas Bartlett
1833 South Winfield Drive
Tiffin, Ohio 44883
hthomas.bartlett@gmail.com
419-447-0005(H) 567-278-2300(C)

A Different Year !



Middle Bass Island crew during 2020 Spring setup; Lisa Brohl, Paula Bartlett, Teddi Keith-Morris, Nancy Welter, and Tom Bartlett

Permits

Federal Bird Banding Permit # 21624

Ohio Division of Wildlife Wild Animal Permit # 20-164 and 21-059

Ohio Division of Natural Areas and Preserves Permit #RP 2020-5

Put-in-Bay Township Park District Research Permit

Private Land Use Permit – Mark & Barb Barnhill

Private Land Use Permit – Dr. William Cleveland

2020 Lake Erie Bass Islands Avian Research Program Report

H. Thomas Bartlett

1833 South Winfield Drive

Tiffin, Ohio 44883

hthomas.bartlett@gmail.com

419-447-0005

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 have been asked back each year. In the summer of 2006, I retired from teaching. Lisa called and asked if I would work the week-long Elderhostel. I agreed 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 and on the Board of the Put-in-Bay Township Park District. These organizations have used the data we've gathered 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 avian use of the remaining vineyards on the island. This data gives an idea of which species of birds are using the islands for breeding, wintering, and stopover during migration. It shows that the Lake Erie Islands are critical for migrant birds. Over 25 natural areas have been protected on the Bass Islands with the use of our data. On Middle Bass Island, about **58** acres have been protected and on South Bass Island, **58** acres have been protected.

2020 Update

2020 was a year like no other in my 50 years of bird banding. The world-wide pandemic changed everything. The Road Scholar programs on South Bass Island were cancelled and it looked like our banding for 2020 on the Bass Islands might have been cancelled as well. However, working with the mayor of Kelleys Island and using protocol from the State of Ohio, the Bird Banding Laboratory, and the bird banding community, we were allowed to band our normal times on Kelleys Island. Lisa Brohl, of the Put-in-Bay Township Park District helped us to use the same protocol to band on South Bass Island and on Middle Bass Island. However, Stone Lab was shutdown and so Dr. Marshall was unable to band on the Bass Islands. As a result we got no data from North Bass Island this year and no summer data from South Bass and Middle Bass Islands.

We now have bird banding data for South Bass (18 years), Middle Bass (12 years), and North Bass (10 years – none in 2020) Islands plus my long-term data set (25 years) from Kelleys Island. In that time period we have banded over **34,852 individual birds of 122 species and 2 hybrids**. The Put-in-Bay Township Park District, as owners of natural areas on South Bass and Middle Bass Islands, makes use of the banding data to help manage the properties for migratory and nesting birds as well as other wildlife. The Barnhill family, Put-in-Bay Township Park District, Lake Erie Islands Conservancy, Dr. William Cleveland, and the Lake Erie Islands Nature and Wildlife Center

have supplied access and funding to assist in our banding projects again this year. Dr. Cleveland's property on Middle Bass Island, that he had allowed us to band on each year, has now been purchased by the Put-in-Bay Township Park District, resulting in the expansion of the East Point Preserve. As always, we are thankful for the support from the Barnhill family for the use of their property on South Bass Island and assistance in our studies. The Lake Erie Island Conservancy made it possible for us to band one week in May at the Barnhills and one week in the fall, so we were able to get some data. In addition, we banded several days in December at the Brohl's house. Because of the limited banding availability, our numbers were down but we still were able to get some good data.

On Middle Bass Island, we have continued to receive much assistance, food, and lodging from Teddi Keith-Morris, Nancy Welter, Janet Stearns, Lisa & Russ Brohl, Tina Larsen, Bob Stausmire, and Ann & Ken Shelton. In addition, the efforts of Ron Helman, Chris Helman and family to maintain the trails and net lanes at East Point Preserve have been extremely helpful. It is hoped that the banding projects can be continued in years to come. This past year 259 individuals visited our Bass Islands research stations which is way down as expected.

As stated above, 2020 was a trying year for banding on the Bass Islands. During the banding season, banding occurred on 29 days which is about 2/3 normal. 1401 individual birds of 78 species were banded on South Bass Island and Middle Bass Island. In addition, 200 banded birds were recaptured or recovered (160 individuals, some individuals were recaptured more than once) of 29 different species. Of these, 56% (89) were banded prior to 2020. One individual, was banded in 2012, two individuals in 2014, two individuals in 2015, fifteen individuals in 2016, twelve individuals in 2017, twenty-two individuals in 2018, forty-five individuals in 2019 and 71 individuals earlier in 2020. Our oldest recapture was a Common Grackle banded May 8, 2012 on South Bass Island as a second-year male making it nine years old. The second oldest birds were two Red-winged Blackbirds, both banded April 30, 2014 on Middle Bass Island as second year males making them 7 years old. In addition, we heard from the Bird Banding Laboratory on two Red-winged Blackbirds that we had banded and were recovered. One individual was recovered on South Bass Island and was 4 years old. The other was recovered in Port Clinton and was 2 years old. On April 28, we recaptured an adult Yellow-shafted Flicker on Middle Bass Island. It had been banded in Harrison Twp., McComb County, MI on May 26, 2017 as a second-year bird which makes it four years old. In addition, Lyndell Bartels found a large bird band on the beach of Middle Bass Island, February 22, 2020. It was originally put on a Canada Goose on June 21, 1995 near Gibraltar, MI as a hatch-year. Because there is no way to know when the goose died, age could not be determined.

Ten individuals escaped or were released before being processed. There were two casualties during the banding operations. Our rate for casualties this year was 0.11% of total birds handled, which is outstanding and says a lot about the skill of our extraction team. All this was done over 29 banding days and 2803.5 net hours. 1767 individual birds were handled this year and 0.36 birds were banded per net hour of effort and 0.63 birds handled per net hour.

The top ten most banded species for 2020 were:

404	Purple Martin	45	Blackpoll Warbler
151	Red-winged Blackbird	35	Common Grackle
88	Swainson's Thrush		Gray-cheeked Thrush
81	American Robin	32	Blue Jay
73	Ruby-crowned Kinglets	29	Nashville Warbler

Over the last eighteen years of our banding effort, we have banded **14,177 individuals of 117 species on the Bass Islands and one hybrid**. This was accomplished in 386 banding days and 26,111.25 net hours of effort resulting in 0.54 birds banded per net hour. This past year we banded one new species for the islands. This was the two Pine Warblers that we banded on Middle Bass Island, April 28. In addition, another banding project continues with Purple Martins and Tree Swallows in July. It was taken over in 2017 by Thomas Kashmer and his crew, of Green Creek Wildlife Society and Black Swamp Bird Observatory. Their data is shared with us.

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

3117	Red-winged Blackbird	529	Common Grackle
1479	Purple Martin	427	Tree Swallow
1012	American Robin	393	Yellow Warbler
596	White-throated Sparrow	352	Ruby-crowned Kinglet
568	Swainson's Thrush	339	Yellow-rumped (Myrtle) Warbler

South Bass Island

On South Bass Island we banded 905 individuals of 62 species in 2020. One new species was banded this year for South Bass Island. It was a young Purple Finch in September. Over the eighteen years of this South Bass Island study, 102 species and 8,940 individual birds have been banded. This year we were able to band 7 days in the spring, four days in the fall, and two days in December. Dr. Marshall was unable to band in the summer with his Stone Lab class. Again this year, was the banding of the Purple Martins in July at several colonies by Tom Kashmer and his team. For the year we had 87 recaptures, 9 escape/released birds, and one casualty. In early December we again banded for two days at Lisa Brohl's feeders and two evenings of owl banding at the Vineyard. On South Bass Island we had 76 visitors to the banding stations.

Middle Bass Island

On Middle Bass Island we banded 496 individuals of 64 species in 2020. One new species was banded. It was two individual Pine Warblers which were a first for the Lake Erie Islands by the research team. This was done over 15 banding days, 1491.0 net hours. There was 1 escape/released birds and one casualty. We handled 611 individual birds during 2020. Over the twelve years of this study on Middle Bass Island, 4,537 individual birds of 104 species have been banded. On Middle Bass Island this year we had 183 visitors to the banding stations even with the COVID-19 restrictions. Some of this was because of the dedication of the Cleveland property in the fall. The Beaver which showed up on the island in 2018, has survived and still working the pond area. There now maybe 2 pair on the island.

North Bass Island

For 2020, because of the COVID-19 protocol and the cancelling of Stone Lab classes, no banding was done on North Bass Island. We are actively working on a 2021 spring and/or fall outing to the island in an effort to add some fall migration banding data.

2020 Data

The data for all banding activities in 2020 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, the Barnhill family, Lisa & Russ Brohl, Ken Farber, Dr. Andy Jones, Tina Larson, John & Peg Leopold, Teddi Keith-Morris, Nancy Welter, Ken & Ann Shelton, Chris Helman and family, Bob Stausmire, Dr. William Cleveland, Janet Stearns, the Lake Erie Islands Conservancy, the Lake Erie Islands Nature and Wildlife Center, Miller Boat Line, and the Put-in-Bay Township Park District.

One area of improvement in 2021 will be to continue to document all species of birds seen and heard during our work. These surveys will be noted on a daily checklist. Perhaps this data can be entered into eBird.

H. Thomas Bartlett
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Ohio Division of Wildlife Animal Permit # 20- 164 and #21-059
Put-in-Bay Township Park District Access Permit
Private Lands Permit – Mark and Barb Barnhill
Private Lands Permit – Dr. William Cleveland

Banders:

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

Thomas Kashmer
949 Cr 42
Helena, Ohio 43435
419-355-5944
greenecreekws@gmail.com
Federal Permit # 23088
Green Creek Wildlife Society
Black Swamp Bird Observatory

South Bass Island and Middle Bass
Island (No banding on North Bass)

2020 Bird Banding Results
Bass Islands, Ohio

H. Thomas Bartlett
Federal Permit # 21624

Species	Number	Number		2020
	SBI	MBI	NBI	Bass Islands
	Banded	Banded	No banding 2020	Totals
Red-bellied Woodpecker	2	1		3
Downy Woodpecker	5	7		12
Northern Flicker		9		9
Yellow-bellied Flycatcher	1			1
"Trail's" Flycatcher	1			1
Least Flycatcher	6	2		8
Eastern Phoebe	1	1		2
White-eyed Vireo		1		1
Blue-headed Vireo	1	4		5
Warbling Vireo	2			2
Red-eyed Vireo	7	4		11
Blue Jay	9	23		32
Purple Martin	404			404
Tree Swallow		7		7
Barn Swallow	1			1
Black-capped Chickadee	9	7		16
Red-breasted Nuthatch	2	6		8
White-breasted Nuthatch	6	5		11
Brown Creeper		1		1
House Wren	10	10		20
Winter Wren	1	1		2
Carolina Wren	2	4		6
Blue-gray Gnatcatcher	2	1		3
Golden-crowned Kinglet		6		6
Ruby-crowned Kinglet	26	47		73
Veery	1			1
Gray-cheeked Thrush	14	21		35
Swainson's Thrush	63	25		88
Hermit Thrush	6	21		27
Wood Thrush	2	3		5
American Robin	50	31		81
Gray Catbird	5			5
Brown Thrasher		3		3
European Starling		4		4
House Sparrow	15	3		18
Purple Finch	1			1
House Finch	2	2		4
American Goldfinch	3	4		7
Eastern Towhee		1		1
Chipping Sparrow		1		1
Field Sparrow	1	1		2
Lincoln's Sparrow		1		1
Swamp Sparrow		2		2
White-throated Sparrow	3	24		27

H. Thomas Bartlett
Federal Permit # 21624

South Bass Island and Middle Bass
Island (No banding on North Bass)

2020 Bird Banding Results
Bass Islands, Ohio

H. Thomas Bartlett
Federal Permit # 21624

	SBI	MBI	NBI	Bass Islands
Banding Days	14	15	0	29
Recaptures	87	113	0	200
Escapes/releases	9	1	0	10
Casualties	1	1	0	2
Total birds handled	1156	611	0	1767
Nets	20	22	0	42
Net hours	1312.50	1491.00	0	2803.5
Birds banded per net hour	0.38	0.33	0	0.36
% Casualties per bird handled	0.11	0.16	0	0.11
Injured birds	14	27	0	41
Participants	76	183	0	259
Owl Banding	2	0	0	2
Owls banded	0	0	0	0
Recaps	1	0	0	1
net hours	9	0	0	9
Owls per net hours	0.00	0	0	0
	501	496	2020 birds banded by HTB	
	0	0	2020 birds banded by JM	
	404	0	2020 Purple Martins banded by TK	
2020 Totals	905	496		0
Historical Totals per Island	8940	4537		700
Total Bass Islands birds banded	14,177			
		Bold = uncommon		
		Red = New species banded for Middle Bass Island		
		(Note: First for all the islands by researcher !!)		
		And first ever by researcher in 50 years of banding		
		Red = New species banded for South Bass Island		
Bass Islands Totals 2020				
2020 Total Species banded	78			
2020 Total Individuals banded	1401			

2020 Bass Islands Photographs



Pine Warbler (in the wild)



Pine Warbler (in hand!)



Sign of the Times



Purple Finch (HY)



Winter Wren

2020 Bass Islands Photographs



Cape May Warbler (Winter plumage)



Cape May Warbler (Breeding plumage)



Hooded Warbler



Black-throated Blue Warbler



Master Hibachi Chef – Nancy Welter

Lake Erie Bass Islands Bird Banding Totals 2003-2020

3	Mourning Dove – 2014	352	Ruby-crowned Kinglet - 2008
5	Yellow-billed Cuckoo – 2004	6	Eastern Bluebird – 2015
1	Black-billed Cuckoo – 1996	42	Veery - 2004
1	Eastern Whip-poor-will – 2016	219	Gray-cheeked Thrush - 2007
1	Chimney Swift	568	Swainson's Thrush - 2003
67	Ruby-throated Hummingbird – 2006	165	Hermit Thrush - 2009
1	Sora – 2013	32	Wood Thrush - 2005
1	American Woodcock – 2015	1012	American Robin - 2003
1	Sharp-shinned Hawk – 2013	217	Gray Catbird - 2004
1	Cooper's Hawk- 2014	29	Brown Thrasher - 2009
13	Eastern Screech-Owl – 1998	110	European Starling - 2008
1	Belted Kingfisher– 2013	12	Cedar Waxwing - 2012
1	Red-headed Woodpecker – 2017	144	House Sparrow - 2010
16	Red-bellied Woodpecker – 2009	111	House Finch - 2005
2	Yellow-bellied Sapsucker – 2010	2	Purple Finch – 2012
139	Downy Woodpecker – 2005	126	American Goldfinch - 2009
22	Northern Flicker (Yellow-shafted) – 2010	10	Eastern Towhee - 2010
9	Eastern Wood-Pewee – 2003	21	Chipping Sparrow – 2010
18	Yellow-bellied Flycatcher – 2013	1	Clay-colored Sparrow - 2012
2	Acadian Flycatcher –2010	20	Field Sparrow –2007
3	Willow Flycatcher – 2007	7	Savannah Sparrow – 2010
3	"Trail's" Flycatcher – 2012	1	Nelson's Sparrow– 2009
57	Least Flycatcher – 2009	26	Song Sparrow – 2009
28	Eastern Phoebe – 2009	66	Lincoln's Sparrow – 2006
3	Great Crested Flycatcher – 2014	77	Swamp Sparrow – 2009
31	Eastern Kingbird – 2009	596	White-throated Sparrow – 2005
10	White-eyed Vireo – 2006	48	White-crowned Sparrow (Eastern) – 2004
3	Yellow-throated Vireo – 2018	27	Dark-eyed Junco (Slate-colored) – 2014
36	Blue-headed Vireo – 2010	4	Yellow-breasted Chat – 2007
31	Warbling Vireo – 2011	33	Orchard Oriole – 2011
7	Philadelphia Vireo – 2012	273	Baltimore Oriole - 2005
37	Red-eyed Vireo – 2011	134	Brown-headed Cowbird –2003
159	Blue Jay – 2003	3117	Red-winged Blackbird – 2003
1479	Purple Martin – 2010	529	Common Grackle – 2004
427	Tree Swallow – 2003	146	Ovenbird – 2005
28	Northern Rough-winged Swallow – 2012	1	Louisiana Waterthrush – 2016
141	Barn Swallow – 2010	56	Northern Waterthrush – 2006
170	Black-capped Chickadee – 2003	4	Golden-winged Warbler – 2015
1	Tufted Titmouse	16	Blue-winged Warbler – 2011
88	Red-breasted Nuthatch – 2011	1	GWWA X BWWA Hybrid - 2019
32	White-breasted Nuthatch – 2013	59	Black-and-white Warbler – 2009
11	Brown Creeper – 2011	33	Tennessee Warbler- 2010
151	House Wren – 2003	9	Orange-crowned Warbler – 2015
26	Winter Wren – 2007	174	Nashville Warbler – 2004
1	Marsh Wren – 2006	9	Connecticut Warbler- 2011
45	Carolina Wren - 2007	6	Mourning Warbler – 2003
20	Blue-gray Gnatcatcher - 2009	3	Kentucky Warbler – 2008
37	Golden-crowned Kinglet - 2009	115	Common Yellowthroat – 2005

Lake Erie Bass Islands Bird Banding Totals 2003-2020

10	Hooded Warbler – 2007	148	Palm Warbler (“Western”) – 2004
76	American Redstart - 2003	2	Pine Warbler - 2020
21	Cape May Warbler – 2011	339	Yellow-rumped (“Myrtle”) Warbler - 2007
1	Cerulean Warbler – 2018	46	Black-throated Green Warbler - 2007
7	Northern Parula - 2014	5	Canada Warbler - 2003
150	Magnolia Warbler - 2004	11	Wilson’s Warbler – 2003
55	Bay-breasted Warbler - 2014	5	Scarlet Tanager – 2013
12	Blackburnian Warbler - 2011	297	Northern Cardinal – 2004
393	Yellow Warbler - 2003	25	Rose-breasted Grosbeak – 2009
25	Chestnut-sided Warbler – 2007	43	Indigo Bunting – 2007
273	Blackpoll Warbler – 2010	1	Dickcissel – 2012
93	Black-throated Blue Warbler -2007		

117 Species

14,177 Total Individuals

Includes all species of birds and individuals banded by the Researchers between 2003 and 2020 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 2020

Banding Days = 386

Total Birds Banded = 14,177

Total Escapes/releases = 195

Birds banded per net hour = 0.54

Total Birds Handled = 16,118

Net hours = 26,111.25

Total Recaptures = 1723

Total Casualties = 23

% Casualties per bird handled = 0.14

Birds handled per net hour = 0.62

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

Thomas Kashmer, Green Creek Wildlife Society
949 Cr 42
Helena, Ohio 43435
419-355-5944
green creekws@gmail.com
Federal Permit # 23088

Species /	Island	Total	SBI	MBI	NBI
Mourning Dove		3		3	
Yellow-billed Cuckoo		5		3	2
Black-billed Cuckoo		1	1		
Whip-poor-will		1		1	
Chimney Swift		1	1		
Ruby-throated Hummingbird		67	48	19	
Sora		1	1		
American Woodcock		1		1	
Sharp-shinned Hawk		1	1		
Cooper's Hawk		1		1	
Eastern Screech-Owl		13	6	7	
Belted Kingfisher		1		1	
Red-headed Woodpecker		1	1		
Red-bellied Woodpecker		16	11	5	
Yellow-bellied Sapsucker		2	1	1	
Downy Woodpecker		139	78	54	7
Northern Flicker		22	7	15	
Eastern Wood-Pewee		9	2	7	
Yellow-bellied Flycatcher		18	5	13	
Acadian Flycatcher		2	2		
Willow Flycatcher		3	2		1
"Trail's" Flycatcher		3	3		
Least Flycatcher		57	48	9	
Eastern Phoebe		28	11	8	9
Great Crested Flycatcher		3		3	
Eastern Kingbird		31	24	3	4
White-eyed Vireo		10	8	2	
Yellow-throated Vireo		3		3	
Blue-headed Vireo		36	15	21	
Warbling Vireo		31	23	8	
Philadelphia Vireo		7	1	6	
Red-eyed Vireo		37	10	27	
Blue Jay		159	90	69	
Purple Martin		1479	1473	6	
Tree Swallow		427	346	79	2
Northern Rough-winged Swallow		28	28		
Barn Swallow		141	116	6	19
Black-capped Chickadee		170	95	74	1
Tufted Titmouse		1	1		
Red-breasted Nuthatch		88	47	41	
White-breasted Nuthatch		32	19	13	
Brown Creeper		11	3	8	
House Wren		151	91	60	
Winter Wren		26	2	24	

Species /	Island	Total	SBI	MBI	NBI
Marsh Wren		1	1		
Carolina Wren		45	12	32	1
Blue-gray Gnatcatcher		20	11	9	
Golden-crowned Kinglet		37	2	35	
Ruby-crowned Kinglet		352	185	167	
Eastern Bluebird		6		6	
Veery		42	34	8	
Gray-cheeked Thrush		219	68	151	
Swainson's Thrush		568	261	307	
Hermit Thrush		165	39	126	
Wood Thrush		32	21	11	
American Robin		1012	620	331	61
Gray Catbird		217	166	46	5
Brown Thrasher		29	13	16	
European Starling		110	16	30	64
Cedar Waxwing		12	11	1	
House Sparrow		144	137	7	
Purple Finch		2	1	1	
House Finch		111	97	9	5
American Goldfinch		126	49	48	29
Eastern Towhee		10	4	6	
Chipping Sparrow		21	11	6	4
Clay-colored Sparrow		1	1		
Field Sparrow		20	14	6	
Savannah Sparrow		7	1	6	
Nelson's Sparrow		1		1	
Song Sparrow		26	8	18	
Lincoln's Sparrow		66	54	12	
Swamp Sparrow		77	30	47	
White-throated Sparrow		596	315	281	
White-crowned Sparrow		48	38	10	
Dark-eyed Junco(Slate-colored)		27	17	10	
Yellow-breasted Chat		4	3	1	
Orchard Oriole		33	20	11	2
Baltimore Oriole		273	186	73	14
Brown-headed Cowbird		134	82	44	8
Red-winged Blackbird		3117	1984	754	379
Common Grackle		529	423	105	1
Ovenbird		146	78	68	
Louisiana Waterthrush		1		1	
Northern Waterthrush		56	29	27	
Golden-winged Warbler		4	2	2	
Blue-winged Warbler		16	11	5	

Species /	Island	Total	SBI	MBI	NBI
GWWA X BWWA Hybrid		1	1		
Black-and-white Warbler		59	31	28	
Tennessee Warbler		33	9	24	
Orange-crowned Warbler		9	6	3	
Nashville Warbler		174	94	80	
Connecticut Warbler		9	2	7	
Mourning Warbler		6	4	2	
Kentucky Warbler		3	3		
Common Yellowthroat		115	72	43	
Hooded Warbler		10	5	5	
American Redstart		76	35	41	
Cape May Warbler		21	9	12	
Cerulean Warbler		1		1	
Northern Parula		7	5	2	
Magnolia Warbler		150	94	56	
Bay-breasted Warbler		55	20	35	
Blackburnian Warbler		12	7	5	
Yellow Warbler		393	239	89	65
Chestnut-sided Warbler		25	21	4	
Blackpoll Warbler		273	59	214	
Black-throated Blue Warbler		93	40	53	
Pine Warbler		2		2	
"Western" Palm Warbler		148	73	75	
Yellow-rumped Warbler		339	148	191	
Black-throated Green Warbler		46	27	19	
Canada Warbler		5	3	2	
Wilson's Warbler		11	7	4	
Scarlet Tanager		5		5	
Northern Cardinal		297	209	84	4
Rose-breasted Grosbeak		25	22	3	
Indigo Bunting		43	19	12	12
Dickcissel		1			1
Total species banded		117	102	104	24
Total birds banded		14177	8940	4537	700
Recaptures		1723	1024	671	28
Escapes/Releases		195	149	44	2
Casualties		23	13	5	5
Total Birds Handled		16118	10126	5257	735
Banding Days		386	209	142	35
Net Hours		26111.50	11834.25	13107.50	1169.75
Birds banded per net hour		0.53	0.66	0.35	0.59
Birds handled per net hour		0.60	0.77	0.40	0.63
Casualties per bird handled		0.14	0.13	0.10	0.68
Nets (maximum)		55.5	20.0	26.0	9.5

South Bass Island Bird Banding Totals 2020

2	Red-bellied Woodpecker	1	Field Sparrow
5	Downy Woodpecker	3	White-throated Sparrow
1	Yellow-bellied Flycatcher	3	Dark-eyed (Slate-colored) Junco
1	"Trail's" Flycatcher	1	Orchard Oriole
6	Least Flycatcher	7	Baltimore Oriole
1	Eastern Phoebe	6	Brown-headed Cowbird
1	Blue-headed Vireo	83	Red-winged Blackbird
2	Warbling Vireo	22	Common Grackle
7	Red-eyed Vireo	6	Ovenbird
9	Blue Jay	2	Northern Waterthrush
404	Purple Martin	1	Blue-winged Warbler
1	Barn Swallow	1	Black-and-white Warbler
9	Black-capped Chickadee	1	Tennessee Warbler
2	Red-breasted Nuthatch	1	Orange-crowned Warbler
6	White-breasted Nuthatch	14	Nashville Warbler
10	House Wren	1	Common Yellowthroat
1	Winter Wren	1	Hooded Warbler
2	Carolina Wren	4	American Redstart
2	Blue-gray Gnatcatcher	4	Cape May Warbler
26	Ruby-crowned Kinglet	8	Magnolia Warbler
1	Veery	8	Bay-breasted Warbler
14	Gray-cheeked Thrush	3	Blackburnian Warbler
63	Swainson's Thrush	5	Yellow Warbler
6	Hermit Thrush - 2011	3	Chestnut-sided Warbler
2	Wood Thrush	24	Blackpoll Warbler
50	American Robin	5	Black-throated Blue Warbler
5	Gray Catbird	5	Palm Warbler ("Western")
15	House Sparrow	2	Yellow-rumped ("Myrtle") Warbler
1	Purple Finch	19	Northern Cardinal
2	House Finch	1	Rose-breasted Grosbeak
3	American Goldfinch		

61 Total Species

905 Total Individuals

Includes all species of birds and individuals banded by the Researchers on South Bass Island in 2020

Bold = unusual species for Lake Erie Islands

Red = new for SBI banding list/study 2020

Banding Days = 14

Total Birds Banded = 905

Total Escapes/releases = 9

Birds banded per net hour = 0.69

Total Birds Handled = 1156

Net hours = 1312.50

Total Recaptures = 87

Total Casualties = 1

% Casualties per bird handled = 0.09

Birds handled per net hour = 0.88

South Bass Island Bird Banding Totals 2020

Banders and Researchers:

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

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

Thomas Kashmer
949 Cr 42
Helena, Ohio 43435
419-355-5944
green creekws@gmail.com
Federal Permit # 23088

Green Creek Wildlife Society
Black Swamp Bird Observatory

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

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

2020

**South Bass Island
Avian Recapture Data**

**H. Thomas Bartlett
Federal Permit # 21624**

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min
4-May	2451-26792	Northern Cardinal	AHY-F	5/6/2018	AHY-F	3
5-May	1412-19419	Red-winged Blackbird	SY-M	5/3/2019	ASY-M	2
		Found in Port Clinton, Ohio				
5-May	2780-96956	Black-capped Chickadee	AHY-M	5/3/2017	AHY-U	4
5-May	2870-40050	Black-capped Chickadee	AHY-U	5/5/2019	SY-M	2
5-May	1412-08442	Red-winged Blackbird	ASY-M	5/14/2018	SY-M	3
5-May	2451-36937	Northern Cardinal	AHY-M	7/1/2019	AHY-M	2
6-May	1372-35780	American Robin	AHY-M	6/27/2017	AHY-M	4
6-May	2731-30322	Baltimore Oriole	ASY-M	5/6/2018	ASY-M	4
6-May	1232-44953	Red-winged Blackbird	ASY-M	4/30/2014	SY-M	7
6-May	1372-35704	Red-winged Blackbird	ASY-M	5/3/2017	ASY-M	5
6-May	1372-35768	Red-winged Blackbird	ASY-M	6/20/2017	SY-M	4
6-May	1412-19452	Red-winged Blackbird	ASY-M	5/13/2019	ASY-M	3
6-May	2870-83422	Western Palm Warbler	SY-M	5/5/2020	SY-M	1
7-May	2831-07050	Hermit Thrush	SY-U	5/5/2020	AHY-U	1
7-May	1412-19441	American Robin	AHY-F	5/6/2019	SY-F	2
7-May	1412-64476	American Robin	AHY-M	5/5/2020	SY-M	1
7-May	1412-64483	American Robin	SY-M	5/6/2020	AHY-M	1
7-May	2731-30322	Baltimore Oriole	ASY-M	5/6/2018	ASY-M	4
7-May	1412-08472	Red-winged Blackbird	ASY-M	6/19/2018	SY-M	3
7-May	1412-19252	Red-winged Blackbird	ASY-M	7/10/2018	ASY-M	4
7-May	1412-08589	Red-winged Blackbird	ASY-M	5/5/2019	SY-M	2
7-May	1412-19452	Red-winged Blackbird	ASY-M	5/13/2019	ASY-M	3
7-May	1412-64482	Red-winged Blackbird	ASY-M	5/6/2020	ASY-M	2
7-May	2831-07048	Brown-headed Cowbird	AHY-F	5/5/2020	AHY-F	1
7-May	1043-66881	Common Grackle	ASY-M	5/8/2012	SY_M	9
7-May	1493-00671	Common Grackle	ASY-M	5/3/2016	ASY-M	6
7-May	2020-19774	Ovenbird	SY-U	5/5/2020	SY-U	1
7-May	2451-36940	Northern Cardinal	AHY-M	9/12/2019	HY-M	1
8-May	2780-96956	Black-capped Chickadee	AHY-M	5/3/2017	AHY-U	4
8-May	2831-07050	Hermit Thrush	AHY-U	5/5/2020	AHY-U	1
8-May	1412-08469	American Robin	AHY-M	5/16/2018	SY-M	3
8-May	1412-19410	American Robin	AHY-M	5/5/2019	AHY-M	2
8-May	1412-64531	American Robin	AHY-M	5/7/2020	AHY-M	1
8-May	1352-69571	Red-winged Blackbird	ASY-M	4/30/2014	SY-M	7
8-May	1412-08378	Red-winged Blackbird	ASY-M	5/6/2018	ASY-M	4
8-May	1412-08434	Red-winged Blackbird	ASY-M	5/14/2018	ASY-M	4
8-May	1412-08473	Red-winged Blackbird	ASY-M	6/19/2018	SY-M	3
8-May	1412-08472	Red-winged Blackbird	ASY-M	6/19/2018	SY-M	3
8-May	1412-19429	Red-winged Blackbird	ASY-M	5/6/2019	SY-M	2
8-May	1412-19454	Red-winged Blackbird	ASY-M	5/13/2019	ASY-M	3
8-May	1412-51443	Red-winged Blackbird	ASY-M	7/1/2019	SY-M	2
8-May	1412-64473	Red-winged Blackbird	SY-M	5/5/2020	SY-M	1
8-May	1803-11846	Common Grackle	AHY-F	5/5/2019	AHY-F	2

2020

**South Bass Island
Avian Recapture Data**

**H. Thomas Bartlett
Federal Permit # 21624**

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min
9-May	2821-47942	Downy Woodpecker	TY-M	5/14/2019	SY-M	2
9-May	2900-83469	Least Flycatcher	AHY-U	5/6/2020	AHY-U	1
9-May	2870-83424	Eastern Phoebe	AHY-U	5/6/2020	AHY-U	1
9-May	2780-96956	Black-capped Chickadee	AHY-M	5/3/2017	AHY-U	4
9-May	2870-40050	Black-capped Chickadee	AHY-F	5/5/2019	SY-M	2
9-May	2870-83434	Black-capped Chickadee	SY-F	5/8/2020	SY-F	1
9-May	2900-83461	Ruby-crowned Kinglet	SY-F	5/6/2020	AHY-F	1
9-May	2900-83470	Ruby-crowned Kinglet	AHY-F	5/7/2020	AHY-F	1
9-May	2831-07050	Hermit Thrush	AHY-U	5/5/2020	AHY-U	1
9-May	2831-07060	Hermit Thrush	SY-U	5/6/2020	SY-U	1
9-May	1412-08371	American Robin	AHY-M	5/6/2018	SY-M	3
9-May	1412-64483	American Robin	AHY-M	5/6/2020	AHY-M	1
9-May	1412-64526	American Robin	AHY-M	5/7/2020	AHY-M	1
9-May	2831-07052	Orchard Oriole	ASY-M	5/6/2020	ASY-M	2
9-May	1372-28725	Red-winged Blackbird	ASY-M	5/11/2016	SY-M	5
9-May	1412-08378	Red-winged Blackbird	ASY-M	5/6/2018	ASY-M	4
9-May	1412-08581	Red-winged Blackbird	ASY-M	5/5/2019	ASY-M	3
9-May	1412-08585	Red-winged Blackbird	ASY-M	5/5/2019	SY-M	2
9-May	1873-13919	Common Grackle	AHY-F	5/7/2020	AHY-F	1
9-May	2900-83466	Nashville Warbler	ASY-M	5/6/2020	ASY-M	2
10-May	2870-83423	Black-capped Chickadee	SY-U	5/5/2020	SY-U	1
10-May	2831-07059	Carolina Wren	AHY-U	5/8/2020	AHY-U	1
10-May	1412-08600	American Robin	AHY-M	5/5/2019	SY-M	2
10-May	1412-64480	American Robin	AHY-M	5/5/2020	AHY-M	1
10-May	1412-64539	American Robin	SY-M	5/8/2020	SY-M	1
10-May	1412-64545	American Robin	SY-M	5/8/2020	AHY-M	1
10-May	2791-81078	Brown-headed Cowbird	AHY-F	5/6/2018	AHY-F	3
10-May	2831-07056	Brown-headed Cowbird	AHY-F	5/7/2020	AHY-F	1
10-May	1412-19472	Red-winged Blackbird	ASY-M	5/15/2019	SY-M	2
10-May	1412-64565	Red-winged Blackbird	ASY-M	5/9/2020	ASY-M	2
7-Jul	1372-74633	Red-winged Blackbird	ASY-M	7/7/2017	SY-M	4
		Found in Put-in-Bay, Ohio				
15-Sep	2821-47942	Downy Woodpecker	ASY-M	5/14/2019	SY-M	2
15-Sep	2831-07085	Swainson's Thrush	HY-U	9/14/2020	HY-U	<1
16-Sep	2831-07089	Gray-cheeked Thrush	HY-U	9/15/2020	HY-U	<1
16-Sep	2831-31406	Gray-cheeked Thrush	HY-U	9/15/2020	HY-U	<1
2-Dec	2870-83072	Black-capped Chickadee	AHY-U	12/4/2019	HY-U	1
2-Dec	2821-24317	White-breasted Nuthatch	AHY-M	11/28/2018	HY-M	2
3-Dec	1225-33026	Eastern Screech-Owl	AHY-U	12/3/2019	SY-M	2
3-Dec	2821-93089	Downy Woodpecker	TY-M	12/3/2019	SY-M	2
3-Dec	2870-83066	Black-capped Chickadee	AHY-U	12/3/2019	HY-U	1
3-Dec	2870-83070	Black-capped Chickadee	AHY-U	12/3/2019	HY-U	1

2020**South Bass Island
Avian Recapture Data****H. Thomas Bartlett
Federal Permit # 21624**

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min
3-Dec	2870-10698	Black-capped Chickadee	AHY-U	12/3/2019	HY-U	1
3-Dec	2821-24318	White-breasted Nuthatch	AHY-F	11/29/2018	HY-F	2
3-Dec	2831-31510	White-breasted Nuthatch	HY-M	12/2/2020	HY-M	<1
3-Dec	2870-23509	Slate-colored Junco	AHY-M	11/29/2018	HY-M	2
	RED = Recovery of bird banded on SBI and found elsewhere					
	This information was reported from the banding laboratory					

South Bass Island Bird Banding Totals 2003-2020

1	Black-billed Cuckoo – 2007	16	European Starling - 2008
1	Chimney Swift (2019)	11	Cedar Waxwing - 2012
48	Ruby-throated Hummingbird – 2006	137	House Sparrow - 2010
1	Sora – 2013	1	Purple Finch - 2020
1	Sharp-shinned Hawk – 2013	97	House Finch - 2005
6	Eastern Screech-Owl – 2015	49	American Goldfinch - 2009
1	Red-headed Woodpecker (2017)	4	Eastern Towhee - 2010
11	Red-bellied Woodpecker – 2009	11	Chipping Sparrow – 2012
1	Yellow-bellied Sapsucker – 2015	1	Clay-colored Sparrow – 2012
78	Downy Woodpecker – 2005	14	Field Sparrow – 2007
7	Northern Flicker (Yellow-shafted) – 2010	1	Savannah Sparrow – 2011
2	Eastern Wood-Pewee – 2003	8	Song Sparrow – 2009
5	Yellow-bellied Flycatcher (2018)	54	Lincoln's Sparrow – 2006
2	Acadian Flycatcher – 2010	30	Swamp Sparrow – 2009
2	Willow Flycatcher – 2007	315	White-throated Sparrow – 2004
3	"Trail's" Flycatcher – 2012	38	White-crowned Sparrow (Eastern) – 2004
48	Least Flycatcher – 2009	17	Dark-eyed (Slate-colored) Junco - 2018
11	Eastern Phoebe – 2012	3	Yellow-breasted Chat – 2007
24	Eastern Kingbird – 2009	20	Orchard Oriole – 2011
8	White-eyed Vireo – 2006	186	Baltimore Oriole – 2005
15	Blue-headed Vireo – 2011	82	Brown-headed Cowbird – 2003
23	Warbling Vireo – 2011	1984	Red-winged Blackbird – 2003
1	Philadelphia Vireo – 2016	423	Common Grackle – 2004
10	Red-eyed Vireo – 2011	78	Ovenbird - 2005
90	Blue Jay – 2003	29	Northern Waterthrush - 2006
1473	Purple Martin – 2011	2	Golden-winged Warbler - 2015
346	Tree Swallow – 2003	11	Blue-winged Warbler - 2011
28	Northern Rough-winged Swallow – 2012	1	GWWA X BWWA Hybrid (2019)
116	Barn Swallow – 2010	31	Black-and-white Warbler - 2009
95	Black-capped Chickadee – 2003	9	Tennessee Warbler- 2010
1	Tufted Titmouse (2019)	6	Orange-crowned Warbler - 2015
47	Red-breasted Nuthatch – 2011	94	Nashville Warbler - 2004
19	White-breasted Nuthatch – 2013	2	Connecticut Warbler- 2011
3	Brown Creeper – 2011	4	Mourning Warbler - 2003
91	House Wren – 2003	3	Kentucky Warbler - 2008
2	Winter Wren – 2007	72	Common Yellowthroat - 2005
1	Marsh Wren – 2006	5	Hooded Warbler - 2007
12	Carolina Wren - 2007	35	American Redstart - 2003
11	Blue-gray Gnatcatcher - 2009	9	Cape May Warbler - 2016
2	Golden-crowned Kinglet - 2016	5	Northern Parula - 2014
185	Ruby-crowned Kinglet - 2008	94	Magnolia Warbler - 2004
34	Veery - 2004	20	Bay-breasted Warbler - 2014
68	Gray-cheeked Thrush - 2007	7	Blackburnian Warbler - 2015
261	Swainson's Thrush - 2003	239	Yellow Warbler - 2003
39	Hermit Thrush - 2011	21	Chestnut-sided Warbler - 2007
21	Wood Thrush - 2005	59	Blackpoll Warbler - 2012
620	American Robin - 2003	40	Black-throated Blue Warbler - 2007
166	Gray Catbird - 2004	73	Palm Warbler ("Western") - 2004
13	Brown Thrasher - 2009	148	Yellow-rumped ("Myrtle") Warbler - 2007

South Bass Island Bird Banding Totals 2003-2020

27 Black-throated Green Warbler – 2007
3 Canada Warbler – 2003
7 Wilson's Warbler – 2003

209 Northern Cardinal – 2004
22 Rose-breasted Grosbeak – 2009
19 Indigo Bunting – 2007

102 Species

8,940 Total Individuals

Includes all species of birds and individuals banded by the Researchers between 2003 and 2020 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 2020

Banding Days = 209

Total Birds Banded = 8,940

Total Escapes/releases = 149

Birds banded per net hour = 0.66

Total Birds Handled = 10,126

Net hours = 11,834.25

Total Recaptures = 1024

Total Casualties = 13

% Casualties per bird handled = 0.13

Birds handled per net hour = 0.77

Banders and Researchers:

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

Thomas Kashmer
949 Cr 42
Helena, Ohio 43435
419-355-5944
green creekws@gmail.com
Federal Permit # 23088

Green Creek Wildlife Society
Black Swamp Bird Observatory

Species /	Year		Total	2020	2019	2018	2017	2016	2015	2014	2013	2012
Black-billed Cuckoo	1	1										
Chimney Swift	1	1			1							
Ruby-throated Hummingbird	1	48			6	9	2	7	5	1		7
Sora	1	1									1	
Sharp-shinned Hawk	1	1									1	
Eastern Screech-Owl	1	6			2	1		1	2			
Red-headed Woodpecker	1	1					1					
Red-bellied Woodpecker	1	11		2		2	5					
Yellow-bellied Sapsucker	1	1							1			
Downy Woodpecker	1	78		5	7	15	4	12	2	2	5	11
Northern Flicker	1	7				1		2			2	
Eastern Wood-Pewee	1	2										
Yellow-bellied Flycatcher	1	5		1	2	2						
Acadian Flycatcher	1	2				1						
Willow Flycatcher	1	2										
"Trail's" Flycatcher		3		1							1	1
Least Flycatcher	1	48		6	15	6	2	3	5	1	2	2
Eastern Phoebe	1	11		1	1	2		1	2		3	1
Eastern Kingbird	1	24			4	2	2	1	3		2	5
White-eyed Vireo	1	8			2	2				1	1	
Blue-headed Vireo	1	15		1	3	2	1		5		2	
Warbling Vireo	1	23		2	2	3	3	2	4	1	1	4
Philadelphia Vireo	1	1						1				
Red-eyed Vireo	1	10		7		1			1			
Blue Jay	1	90		9	14	6	3	1	8	11	5	8
Purple Martin	1	1473		404	339	319	356			1		
Tree Swallow	1	346			38	43	37	74	25	40	32	31
Northern Rough-winged Swallow	1	28				1	6	9	2	5	4	1
Barn Swallow	1	116		1	9	6	9	8	10	14	19	9
Black-capped Chickadee	1	95		9	16	11	10	8	5	6	6	7
Tufted Titmouse	1	1			1							
Red-breasted Nuthatch	1	47		2	38	2					2	
White-breasted Nuthatch	1	19		6	2	5	1	2	1	1	1	
Brown Creeper	1	3			1						1	
House Wren	1	91		10	5	11	7	7	6	7	13	9
Winter Wren	1	2		1					1			
Marsh Wren	1	1										
Carolina Wren	1	12		2		2		1		1	1	
Blue-gray Gnatcatcher	1	11		2		1		1		1		
Golden-crowned Kinglet	1	2			1			1				
Ruby-crowned Kinglet	1	185		26	60	13	10	17	19	9	14	5
Veery	1	34		1	8	2	3	3	6	1	1	2
Gray-cheeked Thrush	1	68		14	3	1	13	12	6	3	11	4
Swainson's Thrush	1	261		63	22	13	25	40	20	24	6	22
Hermit Thrush	1	39		6	1		1	5	13	3	5	3
Wood Thrush	1	21		2		1	3	3	5		2	1
American Robin	1	620		50	61	51	46	59	41	46	68	58
Gray Catbird	1	166		5	10	28	9	7	43	3	6	17
Brown Thrasher	1	13						2	3	1	1	4
European Starling	1	16			2		2		1	1	4	
Cedar Waxwing	1	11				1	1	1	5	1		2
House Sparrow	1	137		15	15	18	12	6	5	10	37	11
Purple Finch	1	1		1								
House Finch	1	97		2	8	5	4	4	14	9	4	34
American Goldfinch	1	49		3	2	10	1	9	1	2	5	4

2011	2010	2009	2008	2007	2006	2005	2004	2003	Total	Species
				1					1	Black-billed Cuckoo
									1	Chimney Swift
4	1	4	1		1				48	Ruby-throated Hummingbird
									1	Sora
									1	Sharp-shinned Hawk
									6	Eastern Screech-Owl
									1	Red-headed Woodpecker
1		1							11	Red-bellied Woodpecker
									1	Yellow-bellied Sapsucker
6	3	4				2			78	Downy Woodpecker
1	1								7	Northern Flicker
				1				1	2	Eastern Wood-Pewee
									5	Yellow-bellied Flycatcher
	1								2	Acadian Flycatcher
	1			1					2	Willow Flycatcher
									3	"Trail's" Flycatcher
1	1	2		2					48	Least Flycatcher
									11	Eastern Phoebe
3	1	1							24	Eastern Kingbird
	1				1				8	White-eyed Vireo
1									15	Blue-headed Vireo
1									23	Warbling Vireo
									1	Philadelphia Vireo
1									10	Red-eyed Vireo
15	7		2					1	90	Blue Jay
54									1473	Purple Martin
12	4	5		2			2	1	346	Tree Swallow
									28	Northern Rough-winged Swallow
17	14								116	Barn Swallow
2	6	2	1			3	2	1	95	Black-capped Chickadee
									1	Tufted Titmouse
3									47	Red-breasted Nuthatch
									19	White-breasted Nuthatch
1									3	Brown Creeper
2	5	3		1			3	2	91	House Wren
									2	Winter Wren
					1				1	Marsh Wren
	1		2	2					12	Carolina Wren
5		1							11	Blue-gray Gnatcatcher
									2	Golden-crowned Kinglet
7		4	1						185	Ruby-crowned Kinglet
1		1		1	1	2	1		34	Veery
				1					68	Gray-cheeked Thrush
1	3	1	2	6	2	5	5	1	261	Swainson's Thrush
2									39	Hermit Thrush
	1	1				2			21	Wood Thrush
50	25	24	11	8	2	10	8	2	620	American Robin
6	9	6	2	5	5	3	2		166	Gray Catbird
1		1							13	Brown Thrasher
3	1		1			1			16	European Starling
									11	Cedar Waxwing
4	4								137	House Sparrow
									1	Purple Finch
4	6	1				2			97	House Finch
11		1							49	American Goldfinch

Species /	Year		Total	2020	2019	2018	2017	2016	2015	2014	2013	2012
Eastern Towhee		1	4			1			1	1		
Chipping Sparrow		1	11		3		1	1	2	3		1
Clay-colored Sparrow		1	1									1
Field Sparrow		1	14	1	2				2	3		2
Savannah Sparrow		1	1									
Song Sparrow		1	8					1		1	2	3
Lincoln's Sparrow		1	54		5	4	5	7	5	4	1	4
Swamp Sparrow		1	30			1	2	2	7	5	2	3
White-throated Sparrow		1	315	3	14	4	44	56	61	42	16	22
White-crowned Sparrow		1	38		1		1	4	4			4
Dark-eyed Junco(Slate-colored)		1	17	3	12	2						
Yellow-breasted Chat		1	3			1						1
Orchard Oriole		1	20	1		4	3	2	1		1	
Baltimore Oriole		1	186	7	14	23	9	30	30	4	18	17
Brown-headed Cowbird		1	82	6	7	9	11	3	6	1	9	2
Red-winged Blackbird		1	1984	83	183	206	153	180	171	151	251	213
Common Grackle		1	423	22	45	48	22	35	24	10	40	62
Ovenbird		1	78	6	8	3	7	6	24	2	2	5
Northern Waterthrush		1	29	2	2	5	1		4	3		4
Golden-winged Warbler		1	2		1				1			
Blue-winged Warbler		1	11	1	2				3		3	
GWWA X BWWA Hybrid			1		1							
Black-and-white Warbler		1	31	1	3	5		1	13	2	2	1
Tennessee Warbler		1	9	1	1	1			1		1	2
Orange-crowned Warbler		1	6	1	1		2	1	1			
Nashville Warbler		1	94	14	9	3	6	17	4	6	1	15
Connecticut Warbler		1	2								1	
Mourning Warbler		1	4					1				
Kentucky Warbler		1	3									
Common Yellowthroat		1	72	1	6	9	1	5	20	3	3	5
Hooded Warbler		1	5	1		2			1			
American Redstart		1	35	4	10	3	1	5	8		2	
Cape May Warbler		1	9	4	4			1				
Northern Parula		1	5		3	1			1			
Magnolia Warbler		1	94	8	36	16		5	5		2	2
Bay-breasted Warbler		1	20	8	7		4			1		
Blackburnian Warbler		1	7	3	3				1			
Yellow Warbler		1	239	5	22	21	20	35	15	4	33	22
Chestnut-sided Warbler		1	21	3	4	2		2	2			1
Blackpoll Warbler		1	59	24	1		9	10	1		11	3
Black-throated Blue Warbler		1	40	5	11	1	5	3	7	3	2	
"Western" Palm Warbler		1	73	5	8	1	1	7	12	5	1	17
Yellow-rumped Warbler		1	148	2	5	1	5	29	15	3	2	71
Black-throated Green Warbler		1	27		6	6		2	4	3		4
Canada Warbler		1	3									1
Wilson's Warbler		1	7		2							
Northern Cardinal		1	209	19	23	28	15	22	10	11	20	16
Rose-breasted Grosbeak		1	22	1		4		5	6		1	1
Indigo Bunting		1	19		1	2	1	3	2			3
Total species banded		102	102	59	67	66	49	62	67	51	59	56
Total birds banded			8940	905	1167	1016	908	791	745	477	696	771
Species /	Year		Total	2020	2019	2018	2017	2016	2015	2014	2013	2012

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[illegible]

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[illegible]

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[illegible]

2020 Middle Bass Island Bird Banding Totals

1	Red-bellied Woodpecker	1	Field Sparrow
7	Downy Woodpecker	1	Lincoln's Sparrow
9	Northern Flicker (Yellow-shafted)	2	Swamp Sparrow
2	Least Flycatcher	24	White-throated Sparrow
1	Eastern Phoebe	2	Dark-eyed Junco
1	White-eyed Vireo	1	Brown-headed Cowbird
4	Blue-headed Vireo	68	Red-winged Blackbird
4	Red-eyed Vireo	13	Common Grackle
23	Blue Jay	5	Ovenbird
7	Tree Swallow	3	Northern Waterthrush
7	Black-capped Chickadee	1	Blue-winged Warbler
6	Red-breasted Nuthatch	1	Black-and-white Warbler
5	White-breasted Nuthatch	1	Orange-crowned Warbler
1	Brown Creeper	15	Nashville Warbler
10	House Wren	1	Connecticut Warbler
1	Winter Wren	10	Common Yellowthroat
4	Carolina Wren	3	American Redstart
1	Blue-gray Gnatcatcher	1	Cape May Warbler
6	Golden-crowned Kinglet	1	Northern Parula
47	Ruby-crowned Kinglet	9	Magnolia Warbler
21	Gray-cheeked Thrush	1	Bay-breasted Warbler
25	Swainson's Thrush	2	Blackburnian Warbler
21	Hermit Thrush	1	Chestnut-sided Warbler
3	Wood Thrush	21	Blackpoll Warbler
31	American Robin	12	Black-throated Blue Warbler
3	Brown Thrasher	5	Palm Warbler ("Western")
4	European Starling	2	Pine Warbler
3	House Sparrow	12	Yellow-rumped("Myrtle") Warbler
2	House Finch	3	Black-throated Green Warbler
4	American Goldfinch	1	Wilson's Warbler
1	Eastern Towhee	6	Northern Cardinal
1	Chipping Sparrow	1	Indigo Bunting

64 Species

496 Total Individuals

1st Column = Total individuals banded

2nd Column = Species / Subspecies

Bold = unusual species for Lake Erie Islands

Red = new for MBI banding list/study 2020

(And for the islands since starting in 2003)

2020 Middle Bass Island Bird Banding Totals

Due COVID-19 restrictions, Stone Laboratory was closed for the summer and there was no Bass Islands banding by Dr. Marshall's classes

Banding Days = 14

Total Birds Banded = 496

Total Escapes/releases = 1

Birds banded per net hour = 0.33

Total Birds Handled = 611

Owl Banding Days = 0

Net hours = 1486.75

Total Recaptures = 113

Total Casualties = 1

% Casualties per bird handled = 0.16

Birds handled per net hour = 0.41

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

2020

**Middle Bass Island
Avian Recapture Records**

**H. Thomas Bartlett
Federal Permit 21624**

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min
22-Feb	868-64202	Canada Goose	U-U	6/21/1995	HY-U	??
	Lyndell Bartels	Gibraltar, Michigan	Band found on beach			
24-Apr	1412-08542	American Robin	AHY-M	4/29/2019	SY-M	2
24-Apr	1412-08545	American Robin	AHY-U	4/30/2019	SY-F	2
24-Apr	1412-08538	Red-winged Blackbird	ASY-M	4/29/2019	SY-M	2
25-Apr	2821-47975	Downy Woodpecker	TY-F	6/28/2019	SY-F	2
25-Apr	2780-96902	Black-capped Chickadee	AHY-U	9/26/2016	HY-U	4
25-Apr	2870-83058	Black-capped Chickadee	SY-U	9/28/2019	HY-U	1
25-Apr	2821-93024	Carolina Wren	AHY-U	9/23/2019	HY-U	1
25-Apr	1372-03631	American Robin	AHY-M	4/29/2016	AHY-M	5
25-Apr	1412-08326	American Robin	AHY-M	5/1/2018	SY-M	3
25-Apr	1412-08480	American Robin	AHY-M	6/21/2018	AHY-M	3
25-Apr	1412-08520	American Robin	AHY-M	4/28/2019	SY-U	2
25-Apr	1412-08527	American Robin	AHY-M	4/28/2019	AHY-M	2
25-Apr	1412-19494	American Robin	AHY-M	6/21/2018	AHY-M	3
25-Apr	1412-51489	American Robin	AHY-M	4/24/2020	SY-M	1
25-Apr	1372-35661	Red-winged Blackbird	ASY-M	4/26/2017	SY-M	4
25-Apr	1372-35756	Red-winged Blackbird	ASY-M	6/11/2017	SY-M	4
25-Apr	1412-08535	Red-winged Blackbird	ASY-M	4/29/2019	SY-M	2
25-Apr	1412-51426	Red-winged Blackbird	ASY-M	6/28/2019	SY-M	2
25-Apr	2821-24339	Brown-headed Cowbird	AHY-F	5/1/2019	AHY-F	2
25-Apr	2451-26765	Northern Cardinal	AHY-F	4/25/2017	AHY-F	4
25-Apr	2451-26783	Northern Cardinal	AHY-F	9/25/2017	HY-F	3
27-Apr	2840-14111	Black-capped Chickadee	AHY-M	9/25/2017	HY-U	3
27-Apr	2870-83010	Black-capped Chickadee	SY-U	9/23/2019	HY-U	1
27-Apr	2870-83058	Black-capped Chickadee	SY-M	9/28/2019	HY-U	1
27-Apr	2900-54690	Ruby-crowned Kinglet	SY-M	4/25/2020	AHY-M	1
27-Apr	2900-54691	Ruby-crowned Kinglet	AHY-M	4/25/2020	AHY-M	1
27-Apr	2821-93022	Carolina Wren	AHY-M	9/23/2019	HY-U	1
27-Apr	1372-03631	American Robin	AHY-M	4/29/2016	AHY-M	5
27-Apr	1372-74683	American Robin	AHY-M	4/29/2018	SY-U	3
27-Apr	1372-74688	American Robin	AHY-M	4/29/2018	SY-U	3
27-Apr	1412-19494	American Robin	AHY-M	6/21/2019	AHY-M	2
27-Apr	1412-51489	American Robin	SY-M	4/24/2020	SY-M	1
27-Apr	1412-64409	American Robin	SY-M	4/25/2020	SY-M	1
27-Apr	1412-08530	Red-winged Blackbird	ASY-M	4/29/2019	ASY-M	3
27-Apr	2731-06932	Red-winged Blackbird	ASY-F	6/21/2019	SY-F	2
27-Apr	2451-26764	Northern Cardinal	AHY-M	4/25/2017	AHY-M	4
28-Apr	1803-03524	Yellow-shafted Flicker	ATY-F	5/26/2017	SY-F	4
	Harrison Twp. McComb County, MI					
	This individual was originally banded by Allan Chartier					

2020

**Middle Bass Island
Avian Recapture Records**

**H. Thomas Bartlett
Federal Permit 21624**

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min
28-Apr	1803-11898	Yellow-shafted Flicker	TY-M	4/27/2020	TY-M	2
28-Apr	2821-93022	Carolina Wren	AHY-U	9/23/2019	HY-U	1
28-Apr	2870-83010	Black-capped Chickadee	SY-U	9/23/2019	HY-U	1
28-Apr	1372-35757	American Robin	AHY-M	6/11/2017	SY-M	4
28-Apr	1412-08480	American Robin	AHY-M	6/21/2018	AHY-M	3
28-Apr	1412-08545	American Robin	AHY-U	4/30/2019	SY-F	2
28-Apr	1412-08547	American Robin	AHY-F	4/30/2019	SY-F	2
28-Apr	1412-64404	American Robin	SY-U	4/25/2020	SY-U	1
28-Apr	1412-64417	American Robin	SY-F	4/27/2020	SY-F	1
28-Apr	1412-51492	European Starling	SY-F	4/25/2020	SY-F	1
28-Apr	8081-78223	Red-winged Blackbird	ASY-F	4/28/2015	ASY-F	7
28-Apr	2781-07000	Red-winged Blackbird	ASY-F	7/6/2019	ASY-F	3
29-Apr	2020-19764	Tree Swallow	AHY-M	4/28/2020	AHY-M	1
29-Apr	1412-08547	American Robin	AHY-F	4/30/2019	SY-F	2
29-Apr	1412-19494	American Robin	AHY-M	6/21/2019	AHY-M	2
29-Apr	1412-64437	American Robin	SY-F	4/28/2020	SY-F	1
29-Apr	2701-91741	Red-winged Blackbird	ASY-F	6/28/2018	SY-F	3
29-Apr	2731-30653	Red-winged Blackbird	ASY-F	5/1/2019	ASY-F	3
30-Apr	2840-14153	Black-capped Chickadee	AHY-M	4/30/2018	AHY-U	3
30-Apr	1412-08529	American Robin	AHY-M	4/29/2019	SY-U	2
30-Apr	1412-08542	American Robin	AHY-M	4/29/2019	SY-M	2
30-Apr	1412-51489	American Robin	SY-M	4/24/2020	SY-M	1
30-Apr	1412-64411	American Robin	SY-F	4/25/2020	SY-F	1
30-Apr	1412-64448	American Robin	SY-M	4/29/2020	SY-M	1
30-Apr	1951-38634	Red-winged Blackbird	ASY-F	6/11/2017	SY-F	4
30-Apr	2731-30652	Red-winged Blackbird	ASY-F	5/1/2019	ASY-F	3
30-Apr	2731-92349	Red-winged Blackbird	SY-F	4/28/2020	SY-F	1
30-Apr	2451-26720	Northern Cardinal	AHY-M	7/10/2015	SY-M	6
30-Apr	2451-36906	Northern Cardinal	AHY-M	6/28/2018	AHY-M	3
1-May	2840-14111	Black-capped Chickadee	AHY-M	9/25/2017	HY-U	3
1-May	2900-83447	Ruby-crowned Kinglet	AHY-F	4/30/2020	AHY-F	1
1-May	1212-74699	American Robin	AHY-M	4/25/2016	AHY-M	5
1-May	1372-74673	American Robin	AHY-F	4/28/2018	SY-F	3
1-May	1372-74683	American Robin	AHY-M	4/29/2018	SY-U	3
1-May	1412-64402	American Robin	SY-F	4/25/2020	SY-F	1
1-May	1412-64414	American Robin	SY-M	4/25/2020	SY-M	1
1-May	1372-35756	Red-winged Blackbird	ASY-M	6/11/2017	SY-M	4
1-May	2731-92352	Red-winged Blackbird	ASY-F	4/28/2020	ASY-F	2
26-Sep	2870-83010	Black-capped Chickadee	AHY-U	9/23/2019	HY-U	1
26-Sep	2451-26720	Northern Cardinal	AHY-M	7/10/2015	SY-M	6

2020

**Middle Bass Island
Avian Recapture Records**

**H. Thomas Bartlett
Federal Permit 21624**

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	Min
27-Sep	2831-31449	Gray-cheeked Thrush	HY-U	9/26/2020	HY-U	>1
27-Sep	2451-36971	Northern Cardinal	HY-M	9/26/2020	HY-M	>1
28-Sep	2821-93022	Carolina Wren	AHY-U	9/23/2019	HY-U	1
28-Sep	2831-31454	Swainson's Thrush	HY-U	9/27/2020	HY-U	>1
28-Sep	2870-40138	American Goldfinch	AHY-U	6/21/2019	SY-F	2
28-Sep	2451-36971	Northern Cardinal	HY-M	9/26/2020	HY-M	>1
28-Sep	2451-36972	Northern Cardinal	HY-F	9/26/2020	HY-F	>1
29-Sep	2821-93022	Carolina Wren	AHY-U	9/23/2019	HY-U	1
29-Sep	2831-31450	Carolina Wren	AHY-U	9/26/2020	AHY-U	1
29-Sep	2831-31448	Gray-cheeked Thrush	HY-U	9/26/2020	HY-U	>1
29-Sep	2831-31449	Gray-cheeked Thrush	HY-U	9/26/2020	HY-U	>1
29-Sep	2831-31453	Gray-cheeked Thrush	HY-U	9/27/2020	HY-U	>1
29-Sep	2831-31456	Gray-cheeked Thrush	AHY-U	9/28/2020	AHY-U	1
29-Sep	2831-31461	Gray-cheeked Thrush	AHY-U	9/28/2020	AHY-U	1
29-Sep	2870-40138	American Goldfinch	AHY-F	6/21/2019	SY-F	2
29-Sep	2880-92701	Common Yellowthroat	HY-U	9/26/2020	HY-U	>1
29-Sep	2910-34826	Black-throated Blue Warbler	HY-F	9/28/2020	HY-F	>1
29-Sep	2451-26783	Northern Cardinal	AHY-F	9/25/2017	HY-F	3
29-Sep	2451-36974	Northern Cardinal	HY-M	9/27/2020	HY-M	>1
30-Sep	2831-31484	Gray-cheeked Thrush	HY-U	9/29/2020	HY-U	>1
30-Sep	2831-31454	Swainson's Thrush	HY-U	9/27/2020	HY-U	>1
1-Oct	2020-19799	Red-eyed Vireo	HY-U	9/28/2020	HY-U	>1
1-Oct	2831-31453	Gray-cheeked Thrush	HY-U	9/27/2020	HY-U	>1
1-Oct	2831-31481	Swainson's Thrush	HY-U	9/29/2020	HY-U	>1
1-Oct	2870-40137	American Goldfinch	AHY-M	6/21/2019	SY-M	2
1-Oct	2880-92722	Blackpoll Warbler	HY-M	9/29/2020	HY-M	>1
1-Oct	2910-34841	Black-throated Blue Warbler	HY-M	9/29/2020	HY-M	>1
1-Oct	2451-36971	Northern Cardinal	HY-M	9/26/2020	HY-M	>1
2-Oct	2831-31446	Downy Woodpecker	HY-F	9/26/2020	HY-F	>1
2-Oct	2831-31464	Downy Woodpecker	HY-F	9/28/2020	HY-F	>1
2-Oct	2831031495	Carolina Wren	HY-U	10/1/2020	HY-U	>1
2-Oct	2831-31493	Swainson's Thrush	HY-U	10/1/2020	HY-U	>1
2-Oct	2831-31497	Gray-cheeked Thrush	HY-U	10/1/2020	HY-U	>1
2-Oct	2831-31498	Gray-cheeked Thrush	HY-U	10/1/2020	HY-U	>1
2-Oct	2910-34841	Black-throated Blue Warbler	HY-M	9/29/2020	HY-M	>1
4-Dec	2840-14153	Black-capped Chickadee	AHY-U	4/30/2018	AHY-U	3
4-Dec	2831-31477	White-breasted Nuthatch	HY-F	9/29/2020	HY-F	>1

Middle Bass Island Banding Totals 2009 - 2020

3	Mourning Dove (2014)	46	Gray Catbird (2010)
3	Yellow-billed Cuckoo (2011)	16	Brown Thrasher (2010)
1	Eastern Whip-poor-will (2016)	30	European Starling (2012)
19	Ruby-throated Hummingbird (2012)	1	Cedar Waxwing (2012)
1	American Woodcock (2015)	7	House Sparrow (2017)
1	Cooper's Hawk (2014)	9	House Finch (2015)
7	Eastern Screech-Owl (2014)	1	Purple Finch (2012)
1	Belted Kingfisher (2013)	48	American Goldfinch (2010)
5	Red-bellied Woodpecker (2015)	6	Eastern Towhee (2015)
1	Yellow-bellied Sapsucker (2010)	6	Chipping Sparrow (2010)
54	Downy Woodpecker (2010)	6	Field Sparrow (2014)
15	Northern Flicker (Yellow-shafted)(2016)	6	Savannah Sparrow (2010)
7	Eastern Wood-Pewee (2010)	1	Nelson's Sparrow (2009)
13	Yellow-bellied Flycatcher (2013)	18	Song Sparrow (2010)
9	Least Flycatcher (2018)	12	Lincoln's Sparrow (2010)
8	Eastern Phoebe (2009)	47	Swamp Sparrow (2009)
3	Great Crested Flycatcher (2014)	281	White-throated Sparrow (2009)
3	Eastern Kingbird (2012)	10	White-crowned Sparrow (2009)
2	White-eyed Vireo (2018)	10	Dark-eyed Junco (Slate-colored) (2014)
3	Yellow-throated Vireo (2018)	1	Yellow-breasted Chat (2016)
21	Blue-headed Vireo (2010)	11	Orchard Oriole (2011)
6	Philadelphia Vireo (2012)	73	Baltimore Oriole (2010)
8	Warbling Vireo (2012)	44	Brown-headed Cowbird (2013)
27	Red-eyed Vireo (2012)	754	Red-winged Blackbird (2010)
69	Blue Jay (2013)	105	Common Grackle (2013)
6	Purple Martin (2010)	68	Ovenbird (2009)
79	Tree Swallow (2014)	1	Louisiana Waterthrush (2016)
6	Barn Swallow (2016)	27	Northern Waterthrush (2010)
74	Black-capped Chickadee (2009)	28	Black-and-white Warbler (2012)
41	Red-breasted Nuthatch (2012)	2	Golden-winged Warbler (2019)
13	White-breasted Nuthatch (2016)	5	Blue-winged Warbler (2017)
8	Brown Creeper (2012)	24	Tennessee Warbler (2012)
60	House Wren (2010)	3	Orange-crowned Warbler (2018)
24	Winter Wren (2009)	80	Nashville Warbler (2010)
32	Carolina Wren (2010)	7	Connecticut Warbler (2012)
9	Blue-gray Gnatcatcher (2014)	2	Mourning Warbler (2012)
35	Golden-crowned Kinglet (2009)	43	Common Yellowthroat (2010)
167	Ruby-crowned Kinglet (2009)	5	Hooded Warbler (2018)
6	Eastern Bluebird (2015)	41	American Redstart (2011)
8	Veery (2011)	12	Cape May Warbler (2011)
151	Gray-cheeked Thrush (2010)	1	Cerulean Warbler (2018)
307	Swainson's Thrush (2010)	2	Northern Parula (2014)
126	Hermit Thrush (2009)	56	Magnolia Warbler (2010)
11	Wood Thrush (2016)	35	Bay-breasted Warbler (2017)
331	American Robin (2010)	5	Blackburnian Warbler (2011)

Middle Bass Island Banding Totals 2009 - 2020

89	Yellow Warbler (2010)	19	Black-throated Green Warbler (2010)
4	Chestnut-sided Warbler (2013)	2	Canada Warbler (2011)
214	Blackpoll Warbler (2011)	4	Wilson's Warbler (2012)
53	Black-throated Blue Warbler (2010)	5	Scarlet Tanager (2013)
2	Pine Warbler (2020)	84	Northern Cardinal (2010)
75	Palm Warbler (Western) (2009)	3	Rose-breasted Grosbeak (2013)
191	Yellow-rumped Warbler (Myrtle) (2009)	12	Indigo Bunting (2013)

104 Species

4,537 Total Individuals

1st Column = Total individuals banded

2nd Column = Species / Subspecies

3rd Column = first year banded

Banding Days = 142

Net hours = 13,107.5

Birds banded per net hour = 0.35

Birds handled per net hour = 0.40

Total Birds Handled = 5,257

Recaptures = 671

% Recaptures per bird handled = 12.8

Escapes = 44

Casualties = 5

% Casualties per bird handled = 0.10

One new species added to the island banded list this year

RED = New species to island list

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

Species	Year	Species	2020	2019	2018	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		4	10	2	1		1		1				19
American Woodcock		1						1							1
Cooper's Hawk		1							1						1
Eastern Screech-Owl		1		1	2	3			1						7
Belted Kingfisher		1								1					1
Red-bellied Woodpecker		1	1	1		1	1	1							5
Yellow-bellied Sapsucker		1											1		1
Downy Woodpecker		1	7	6	8	3	8	1	5	5	6		5		54
Northern Flicker		1	9	2	2	1	1								15
Eastern Wood-Pewee		1			3	1				1	1		1		7
Yellow-bellied Flycatcher		1			2	5			5	1					13
Least Flycatcher		1	2	5	2										9
Eastern Phoebe		1	1	1			1			1		1	2	1	8
Great Crested Flycatcher		1		1	1				1						3
Eastern Kingbird		1								2	1				3
White-eyed Vireo		1	1		1										2
Yellow-throated Vireo		1			3										3
Blue-headed Vireo		1	4	9	5		1			1			1		21
Warbling Vireo		1		3	2	1			1		1				8
Philadelphia Vireo		1		2	1	1					2				6
Red-eyed Vireo		1	4	1	1	7	1		3	4	6				27
Blue Jay		1	23	5	12	12	10	2	3	2					69
Purple Martin		1											6		6
Tree Swallow		1	7	2	13	9	40	6	2						79
Barn Swallow		1				2	4								6
Black-capped Chickadee		1	7	7	13	4	8	6	3	3	6	4	7	6	74
Red-breasted Nuthatch		1	6	7	7		3				18				41
White-breasted Nuthatch		1	5	3	1	2	2								13
Brown Creeper		1	1		2	1	1	1			2				8
House Wren		1	10	6	19	10	5	1	1		6	1	1		60
Winter Wren		1	1		4	6	3			5	1		3	1	24
Carolina Wren		1	4	7	8	3	1		2		3	2	2		32
Blue-gray Gnatcatcher		1	1		3		1	1	3						9
Golden-crowned Knglet		1	6	1	8	2	2		4				5	7	35
Ruby-crowned Kinglet		1	47	43	31	10	17	5	8	2	2		1	1	167
Eastern Bluebird		1		5				1							6
Veery		1		3	4							1			8
Gray-cheeked Thrush		1	21	32	16	16	16	2	13	4	26	2	3		151
Swainson's Thrush		1	25	36	92	17	33	6	12	16	58	9	3		307

Species	Year		2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	Total
Hermit Thrush		1	21	13	32	8	7	13	23		2		6	1	126
Wood Thrush		1	3		5	2	1								11
American Robin		1	31	34	68	43	19	39	35	18	17	16	11		331
Gray Catbird		1		9	19	5	1			2	1		9		46
Brown Thrasher		1	3	2	2	1	5	3							16
European Starling		1	4	5	9	4	4	1	1		2				30
Cedar Waxwing		1									1				1
House Sparrow		1	3			4									7
Purple Finch		1									1				1
House Finch		1	2		1		5	1							9
American Goldfinch		1	4	8	18	3	5	3	2		3	1	1		48
Eastern Towhee		1	1		1	1	2	1							6
Chipping Sparrow		1	1	1	1	1			1				1		6
Field Sparrow		1	1	1			1		3						6
Savannah Sparrow		1		1	2			2					1		6
Nelson's Sparrow		1												1	1
Song Sparrow		1			7	1		3		1			6		18
Lincoln's Sparrow		1	1	1	1	2	1		1	3	1		1		12
Swamp Sparrow		1	2	9	8	6	3	6		3	1		6	3	47
White-throated Sparrow		1	24	72	71	41	35	13	9	6	4		4	2	281
White-crowned Sparrow		1		2	2	1				2	1		1	1	10
Dark-eyed Junco		1	2	1		2		3	2						10
Yellow-breasted Chat		1					1								1
Orchard Oriole		1					2		2	2	1	4			11
Baltimore Oriole		1		4	8	18	8	4	13	7	4	5	2		73
Brown-headed Cowbird		1	1	7	7	10	12	3	2	2					44
Red-winged Blackbird		1	68	70	149	103	46	143	85	41	27	19	3		754
Common Grackle		1	13	13	25	14	5	11	13	11					105
Ovenbird		1	5	7	28	5	9	1	3	2	4		3	1	68
Louisiana Waterthrush		1					1								1
Northern Waterthrush		1	3	7	8	2	2				3	1	1		27
Golden-winged Warbler		1		2											2
Blue-winged Warbler		1	1	1	2	1									5
Black-and-white Warbler		1	1	9	14				1		3				28
Tennessee Warbler		1		10	3		1		3	1	6				24
Orange-crowned Warbler		1	1	1	1										3
Nashville Warbler		1	15	10	29	4	4		2	5	9	1	1		80
Connecticut Warbler		1	1	3				2			1				7
Mourning Warbler		1				1					1				2
Common Yellowthroat		1	10	7	15	5	1			2	2		1		43
Hooded Warbler		1		1	4										5
American Redstart		1	3	18	4	4	1	2	4		4	1			41

Species	Year		2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	Total
Cape May Warbler		1	1	3	2	1	2		2			1			12
Cerulean Warbler		1			1										1
Northern Parula		1	1						1						2
Magnolia Warbler		1	9	14	13	1	6	1		4	3	4	1		56
Bay-breasted Warbler		1	1	25	3	6									35
Blackburnian Warbler		1	2		2							1			5
Yellow Warbler		1		22	23	15	2	5	6	7	5	3	1		89
Chestnut-sided Warbler		1	1		2					1					4
Blackpoll Warbler		1	21	43	78	12	5	1	5	6	14	29			214
Black-throated Blue Warbler		1	12	11	5	7	5	2	2	2	2		5		53
Western Palm Warbler		1	5	33	19	8	9							1	75
Pine Warbler		1	2												2
Yellow-rumped Warbler(Myrtle)		1	12	35	73	7	25	3	5		4		24	3	191
Black-throated Green Warbler		1	3	1	7	1					5		2		19
Canada Warbler		1				1						1			2
Wilson's Warbler		1	1		1	1					1				4
Scarlet Tanager		1		1	2			1		1					5
Northern Cardinal		1	6	4	11	7	10	8	11	6	11	5	5		84
Rose-breasted Grosbeak		1		1	1					1					3
Indigo Bunting		1	1	3	1	4		1	1	1					12
			2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	Total
Total species	104		61	68	76	65	58	39	47	39	46	23	37	13	104
Total individuals			905	718	1064	483	408	310	310	185	284	113	137	29	4537
Banding days			14	16	19	21	16	12	13	9	8	6	5	2	141
Nets			22	22	26	22	23	21	21	18	18	13	13	7	
Net Hours			1486.75	1435	2091.3	2283	1394.5	1024	1293.25	853.75	585.5	296.75	305	54.5	13103.25
Recaptures			113	83	114	126	76	51	40	27	23	7	10	1	671
Escapes/releases			1	8	11	6	3	2	3	1	3	1	4	1	44
Casualties			1	0	1-OVEN	0	1-WTSP	0	0	0	1 - OVEN	1 - YEW	0	0	5
Total birds handled			611	809	1190	615	488	363	353	213	311	122	151	31	5257
Birds banded per net hour			0.41	0.5	0.51	0.21	0.29	0.30	0.24	0.22	0.49	0.38	0.45	0.53	0.35
Visitors			183	171	260	228		80							
Bander also:															
Dr. James Marshall															
Federal Permit # 21624-G															
Bold & Red = Newly banded species for island						1 new species in 2020									

2020 North Bass Island Banding Totals Results

**No Banding was done on North Bass Island in 2020
due to COVID-19 restriction**

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

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

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

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

North Bass Island Banding Totals 2010 - 2020

2 **Yellow-billed Cuckoo**
7 Downy Woodpecker (2012)
1 Willow Flycatcher (2014)
9 Eastern Phoebe (2011)
2 Tree Swallow (2017)
19 Barn Swallow (2013)
4 Eastern Kingbird (2012)
1 Black-capped Chickadee (2012)
1 Carolina Wren (2015)
61 American Robin (2010)
5 Gray Catbird (2011)
64 European Starling (2011)

5 House Finch (2011)
29 American Goldfinch (2011)
4 Chipping Sparrow (2011)
2 Orchard Oriole (2011)
14 Baltimore Oriole (2011)
8 Brown-headed Cowbird (2011)
379 Red-winged Blackbird (2010)
1 Common Grackle (2019)
65 Yellow Warbler (2010)
4 Northern Cardinal (2012)
12 Indigo Bunting (2011)
1 **Dickcissel (2012)**

24 Species

700 Total Individuals

No Banding in 2020 due to COVID-19 Restrictions

1st Column = Total individuals banded

2nd Column = Species / Subspecies

3rd Column = first year banded

Banding Days = 35

Net hours = 1169.75

Birds banded per net hour = 0.60

Birds handled per net hour = 0.63

Total Birds Handled = 735

Recaptures = 28

% Recaptures per bird handled = 3.29

Escapes = 2

Casualties = 5

% Casualties per bird handled = 0.68

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Species	Date	Total	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
Yellow-bellied Cuckoo	1	2				2							
Downy Woodpecker	1	7			2	1			1	1	2		
Willow Flycatcher	1	1							1				
Eastern Phoebe	1	9			1		3		4			1	
Eastern Kingbird	1	4		3							1		
Tree Swallow	1	2			1	1							
Barn Swallow	1	19		1	2	3		12		1			
Black-capped Chickadee	1	1									1		
Carolina Wren	1	1						1					
American Robin	1	61			2	3		3	12	11	21	8	1
Gray Catbird	1	5									4	1	
European Starling	1	64		3		11		1	1		26	22	
House Finch	1	5							2	1	1	1	
American Goldfinch	1	29		12	2	5			4	3	1	2	
Chipping Sparrow	1	4							1	2		1	
Orchard Oriole	1	2										2	
Baltimore Oriole	1	14			1	2			2	4	1	4	
Brown-headed Cowbird	1	8			1				1	4	1	1	
Red-winged Blackbird	1	379		31	49	21	2	68	60	43	45	45	15
Common Grackle	1	1		1									
Yellow Warbler	1	65		2	2	2	3	5	22	8	16	4	1
Northern Cardinal	1	4					1			1	2		
Indigo Bunting	1	12		5		1			1		3	2	
Dickcissel	1	1									1		
Total Species	24	24	0	8	10	11	4	6	13	11	13	13	3
Total Individuals		700	0	58	63	52	9	90	112	79	126	94	17
Nets			0	9.5	9.5	9.5	9.5	9.5	9.5	9.5	6	6	6
Recaptures		28	0	1	5	4	3	1	7	4	3	0	0
Escapes/releases		2	0	0	1	0	0	0	0	1	0	0	0
Casualties		5	0	0	5	0	0	0	0	0	0	0	0
Total Birds Handled		735	0	59	74	56	12	91	119	84	129	94	17
net hours		1169.75	0	114	120.5	156.75	161.5	87.25	125.8	159.5	129.0	96.0	19.5
Banding days		35	0	3	4	4	4	3	4	4	4	4	1
birds/net hour		0.60	0.00	0.51	0.52	0.33	0.06	1.03	0.89	0.50	0.98	0.98	0.87
Dr. James Marshall					H. Thomas Bartlett								
Federal Permit #21624 - G					Federal Permit #21624								