



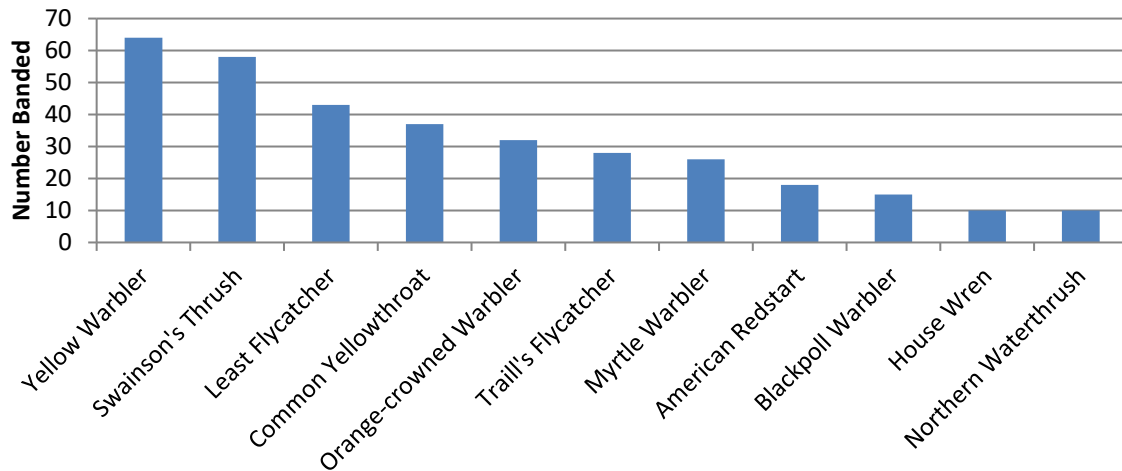
Bird banding update for 2019 Farm Island and Oahe Downstream, South Dakota

South Dakota Game, Fish and Parks' Wildlife Diversity Program staff band birds during the peak of spring and fall migration at two sites in central South Dakota. The Farm Island State Recreation Area site was established in 1993. The Oahe Downstream Recreation Area site (called Fisherman's Point in this report and also called Diver's Point by local users) was added in 2004.

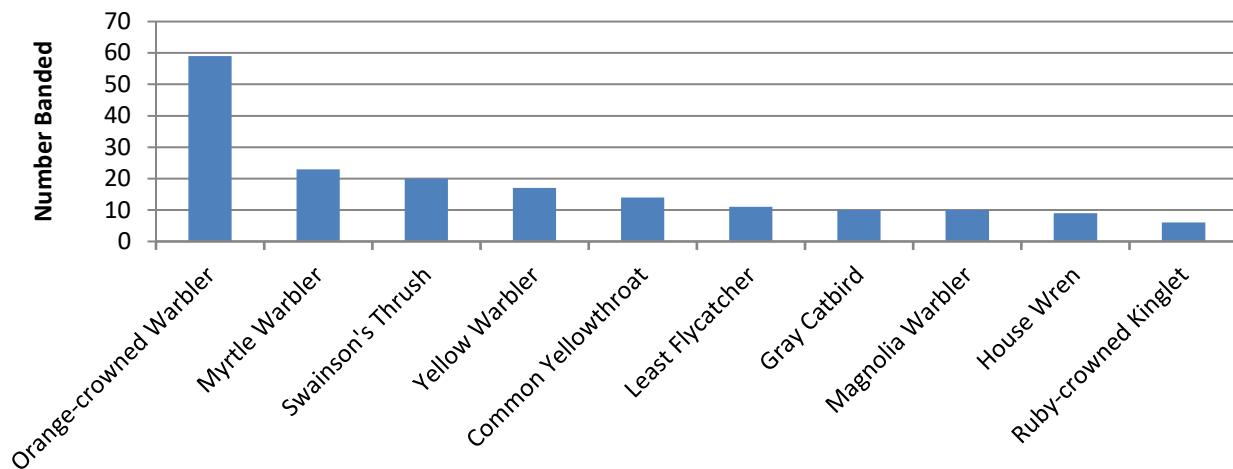
SPRING:

Species: Species most commonly banded at both sites during this banding season were Yellow, Orange-crowned, and Myrtle warblers; Swainson's Thrush; Common Yellowthroat; House Wren; and Least Flycatcher.

Top 11 Species Banded at Farm Island - Spring 2019

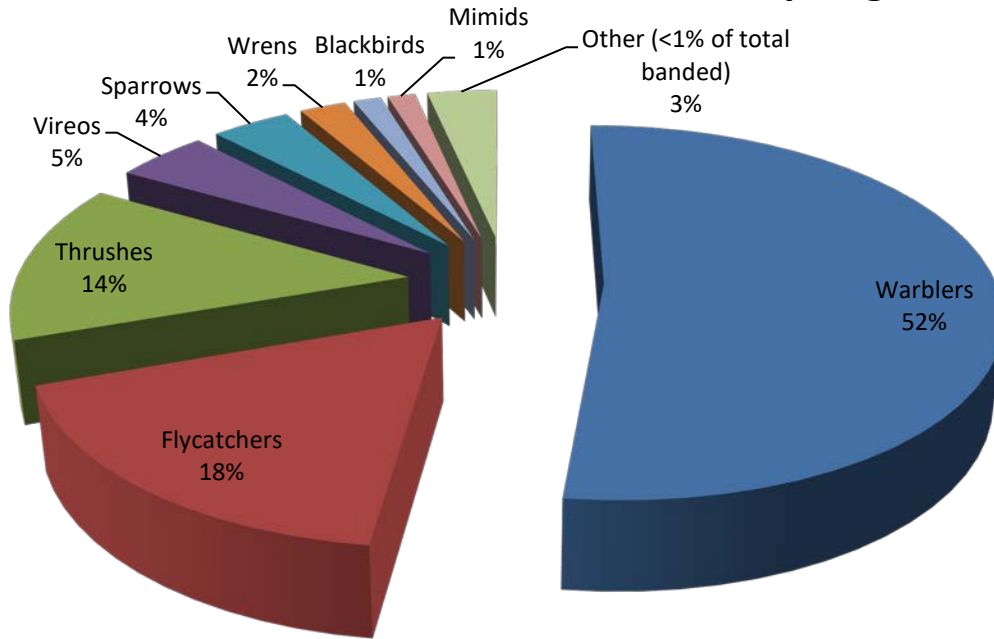


Top 10 Species Banded At Fisherman's Point - Spring 2019

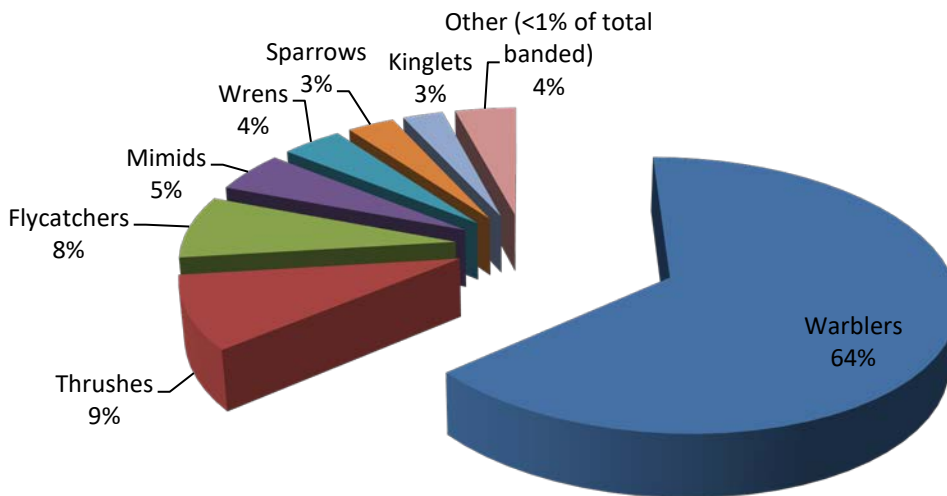


Families: Warblers, thrushes, and flycatchers were the most commonly captured families at both sites during this season.

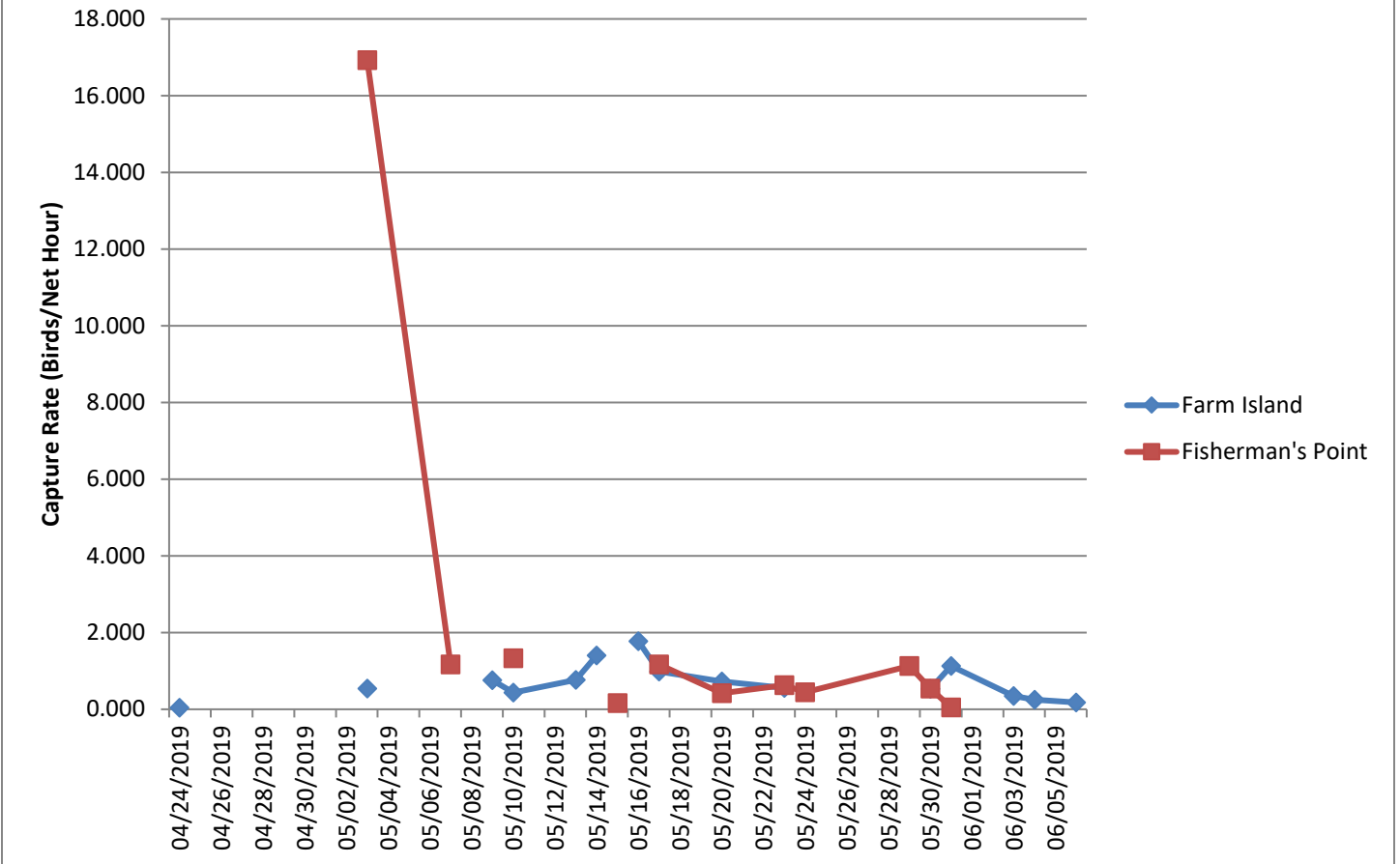
Bird Families Banded at Farm Island - Spring 2019



Bird Families Banded at Fisherman's Point - Spring 2019



Capture Rates at Farm Island and Fisherman's Point - Spring 2019



Capture rates: The capture rate (number of birds per net hour) at Farm Island peaked on May 16, 2019, with a value of 1.8 birds/net hour. Fisherman’s Point’s peak occurred on May 3, 2019, with 16.9 birds/net hour.

In all, we banded 665 birds during the spring of 2019; 446 birds at Farm Island of 53 species and 219 birds at Fisherman’s Point of 31 species.

Recaptures: We had 52 unique recaptures during the spring of 2019. A unique recapture is the first capture that season of a previously-banded bird. Subsequent recaptures of such birds during this season were not included in this summary. All were birds we originally banded at the site of recapture.

A female Orchard Oriole recaptured at Fisherman’s Point on May 17, 2019 was banded there during May 2015 as an after-second-year bird, making her at least 5 years old. Two recapture highlights at Farm Island involved male Yellow Warblers (see image and description below). A male Yellow Warbler was banded at Farm Island during May 2015 as an after-second-year aged bird. The spring 2019 recapture was the 9th time he was recaptured, so our banding site clearly includes his breeding territory. He has been recaptured at Farm Island at least once each May since he was banded in 2015.

Original banding season by site for unique recaptures during spring 2019.

When banded	spring		fall	
	Farm Island	Fisherman’s Point	Farm Island	Fisherman’s Point
2019	17	5	N/A	N/A
2018	8	1	3	0
2017	3	1	3	0
2016	6	1	0	1
2015	1	1	0	0
2014	0	0	0	0
2013	1	0	0	0
TOTAL	36	9	6	1



This male Yellow Warbler was recaptured at Farm Island on June 6, 2019. He was banded there during May 2013 as an after-second-year bird, making him at least 7 years old. His only other recapture came in June 2013, not long after he was banded.

Banding Highlights:



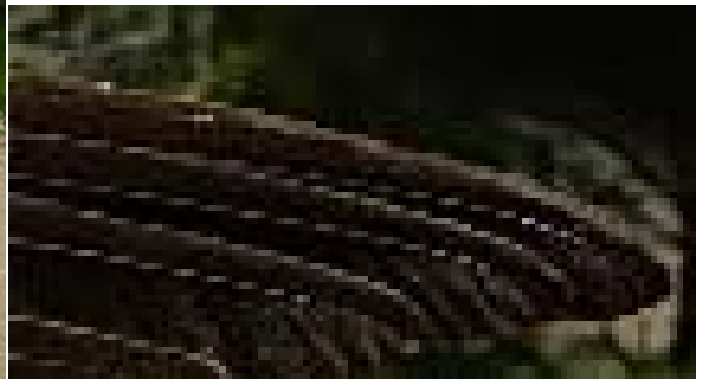
This female Cape May Warbler was banded at Farm Island on May 17, 2019. This is the first individual of this species banded at either site. She has two indistinct wingbars.



This species has a dark decurved (curving downward) bill and a relatively short tail.



This female Connecticut Warbler was banded at Farm Island on June 3, 2019, only the second individual of this species banded at this site. Two Connecticut Warblers were banded at Fisherman's Point during May of 2004. Both male and female Connecticut Warblers have a complete eye-ring and yellow undertail coverts that almost reach the tip of the tail.



We banded two Northern Rough-winged Swallows at Farm Island on June 3, 2019, making these only the 3rd and 4th of this species banded there. None has been banded at Fisherman's Point. This species is named for the hooks along the leading edge of the primary feathers, giving the edge a serrated look and feel (upper right).



This Gray Catbird (left and upper left) appears to be partially leucistic. A typical catbird is pictured above. Leucistic birds have a partial lack of pigmentation that may affect feathers but not the bird's eye color. This individual also has a much paler beak than is typical. This bird was banded at Farm Island on May 20, 2019 as an after-second-year age, unknown sex.

This second-year male Lazuli Bunting (right) lacks the fully blue head and back of a breeding male. He was banded at Farm Island on May 17, 2019.



Number of birds banded by species at Farm Island, spring of 2019

Yellow Warbler	64	Mourning Warbler	1
Swainson's Thrush	58	Philadelphia Vireo	1
Least Flycatcher	43	Swamp Sparrow	1
Common Yellowthroat	37	White-crowned Sparrow	1
Orange-crowned Warbler	32	Western Wood-Pewee	1
Trail's Flycatcher	28	Willow Flycatcher	1
Myrtle Warbler	26	Wilson's Warbler	1
American Redstart	18	Western Palm Warbler	1
Blackpoll Warbler	15	TOTAL	446
House Wren	10		
Northern Waterthrush	10		
Bell's Vireo	8		
Yellow-breasted Chat	8		
Black-and-white Warbler	6		
Gray Catbird	6		
Clay-colored Sparrow	5		
Lincoln's Sparrow	5		
Red-eyed Vireo	5		
Ruby-crowned Kinglet	4		
Song Sparrow	4		
Warbling Vireo	4		
Common Grackle	3		
Ovenbird	3		
Yellow-shafted Flicker	3		
American Robin	2		
Blue-headed Vireo	2		
Gray-cheeked Thrush	2		
Harris's Sparrow	2		
Magnolia Warbler	2		
Northern Cardinal	2		
Northern Rough-winged Swallow	2		
Red-winged Blackbird	2		
Spotted Towhee	2		
Tennessee Warbler	2		
White-breasted Nuthatch	2		
White-throated Sparrow	2		
American Goldfinch	1		
Black-capped Chickadee	1		
Brown-headed Cowbird	1		
Blue Jay	1		
Cape May Warbler	1		
Connecticut Warbler	1		
Field Sparrow	1		
Lazuli Bunting	1		
MacGillivray's Warbler	1		

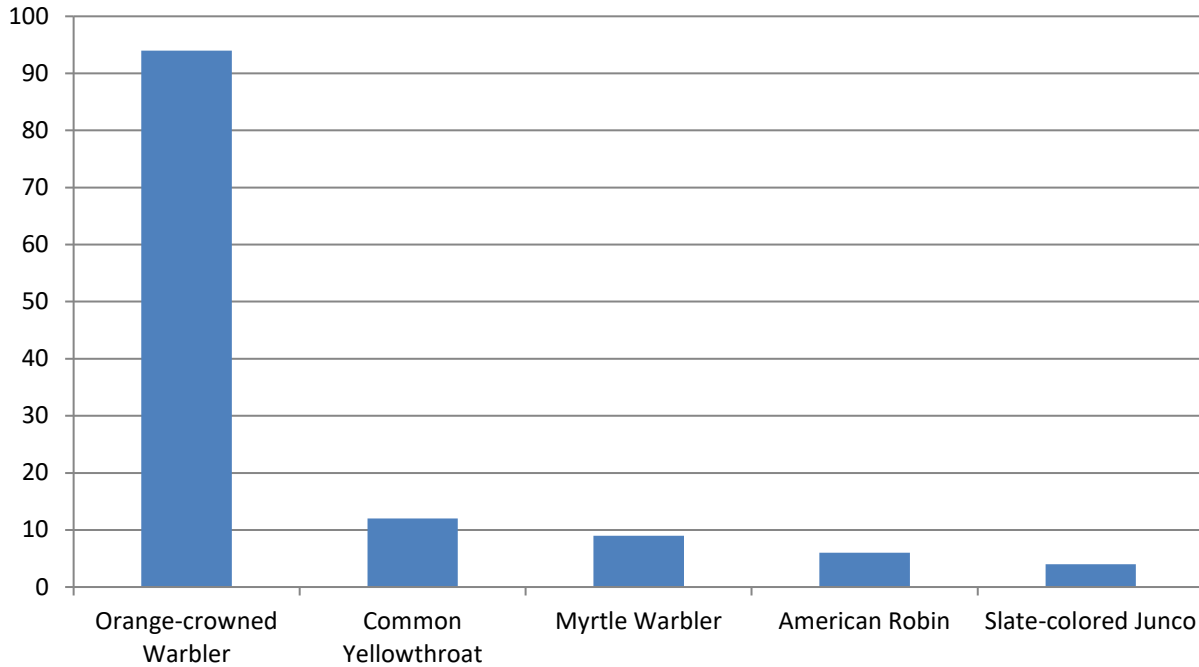
Number of birds banded by species at Fisherman's Point, spring of 2019

Orange-crowned Warbler	59
Myrtle Warbler	23
Swainson's Thrush	20
Yellow Warbler	17
Common Yellowthroat	14
Least Flycatcher	11
Gray Catbird	10
Magnolia Warbler	10
House Wren	9
Ruby-crowned Kinglet	6
American Redstart	4
Mourning Warbler	4
Ovenbird	4
Traill's Flycatcher	3
White-throated Sparrow	3
Alder Flycatcher	2
Black-and-white Warbler	2
Black-headed Grosbeak	2
Orchard Oriole	2
Spotted Towhee	2
Yellow-breasted Chat	2
American Goldfinch	1
Bell's Vireo	1
Brown-headed Cowbird	1
Brown Thrasher	1
Chipping Sparrow	1
Harris's Sparrow	1
Red-eyed Vireo	1
Tennessee Warbler	1
White-breasted Nuthatch	1
Yellow-shafted Flicker	1
TOTAL	219

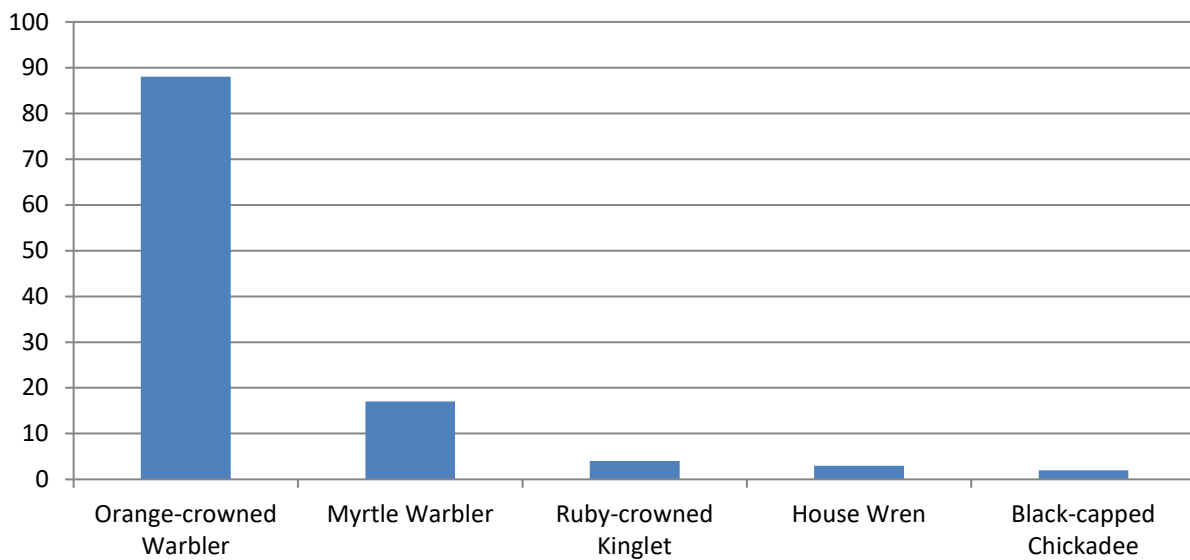
FALL:

Species: Species most commonly banded during this banding season were Orange-crowned and Myrtle warblers and Common Yellowthroat.

Top 5 Species Banded at Farm Island - Fall 2019

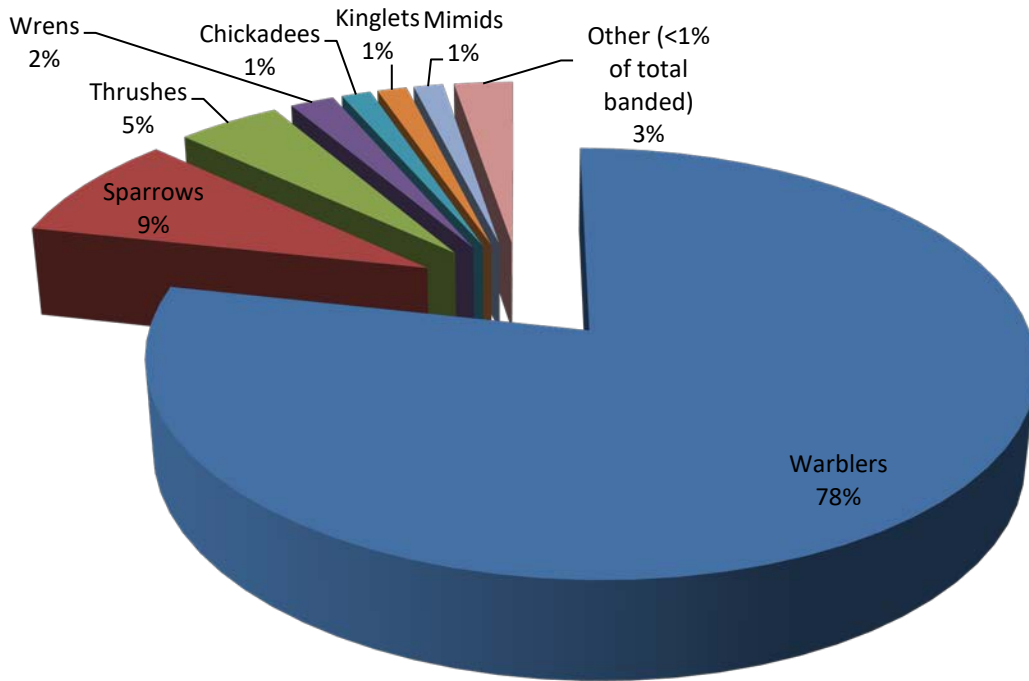


Top 5 Species Banded at Fisherman's Point - Fall 2019

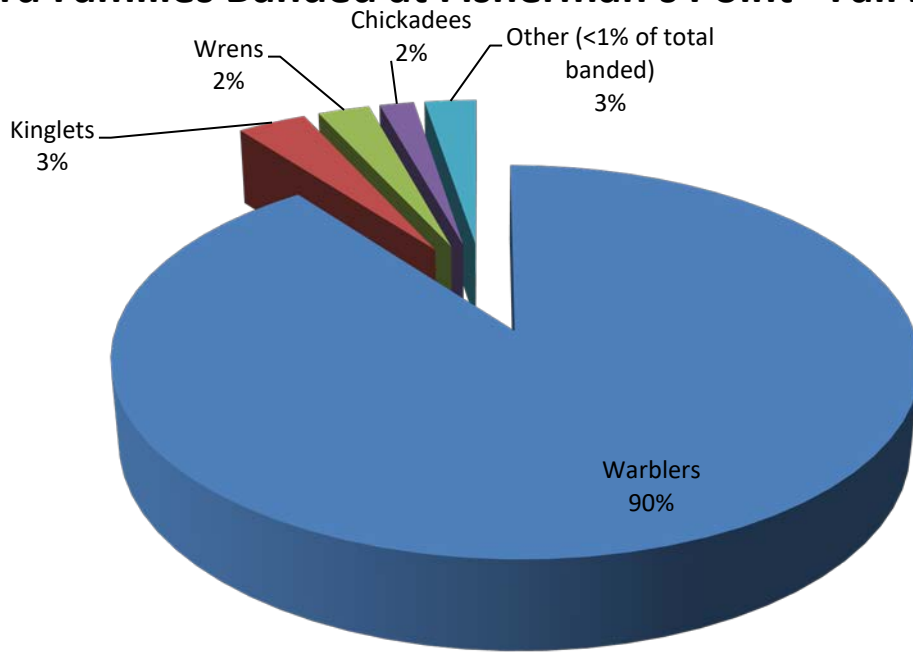


Families: Warblers, sparrows, and thrushes were the most commonly captured families during this season.

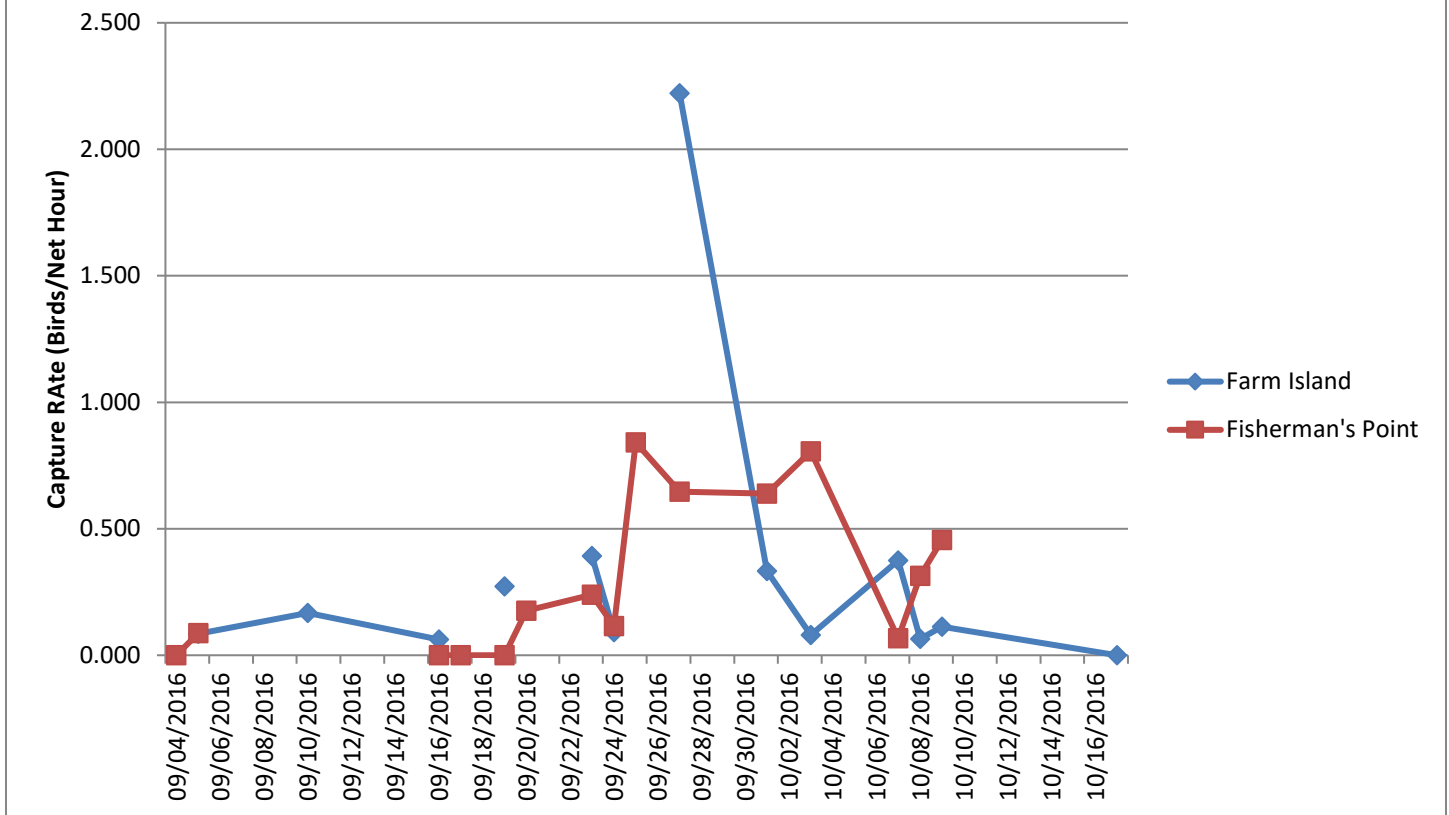
Bird Families Banded at Farm Island - Fall 2019



Bird Families Banded at Fisherman's Point - Fall 2019



Capture Rates at Farm Island and Fisherman's Point - Fall 2019



Capture rates: The capture rate (number of birds per net hour) at Farm Island peaked on September 27, 2019, with a value of 2.2 birds/net hour. Fisherman’s Point’s peak occurred on September 25, 2019, with 0.84 birds/net hour.

Despite a commitment of almost 800 net hours, we banded only 270 birds during the fall of 2019; 153 birds at Farm Island of 25 species and 117 birds at Fisherman’s Point of 8 species. Much of the Farm Island banding area, in particular, was under water during nearly all of 2019, likely reducing ground cover for terrestrial birds and limiting production of seed-bearing plants likely to attract sparrows and other ground foragers.

Recaptures: We had 11 unique recaptures during the fall of 2019. A unique recapture is the first capture that season of a previously-banded bird. Subsequent recaptures of such birds during this fall were not included in this summary. All were birds we originally banded at the site of recapture.

A Great Crested Flycatcher recaptured at Fisherman's Point on September 4, 2019 was banded during May of 2018 as an after-second-year bird. Seven additional recaptures at this site were banded during this same season.

The three recaptures at Farm Island were all of birds banded during previous years:

- Northern Cardinal male banded in May 2017 and recaptured on September 16, 2019;
- Black-capped Chickadee female banded in August 2018 and recaptured on September 23, 2019; and
- Common Yellowthroat male banded in September 2017 and recaptured on September 24, 2019.

Banding Highlights:



Among the species banded at Farm Island this season were a Blue-headed Vireo (upper left) and a Marsh Wren (upper right).



A clue to the age of this Black-capped Chickadee is the whitish edge of the outer tail feather. On a hatch-year bird like this, the white edge runs along the feather's outer edge to the feather's tip. An older bird has the white edging wrapping around more of the end of the tail.

Number of birds banded by species at Farm Island, fall of 2019

Orange-crowned Warbler	94
Common Yellowthroat	12
Myrtle Warbler	9
American Robin	6
Slate-colored Junco	4
Yellow Warbler	3
Black-capped Chickadee	2
Gray Catbird	2
House Wren	2
Ruby-crowned Kinglet	2
Song Sparrow	2
Spotted Towhee	2
American Redstart	1
Blue-headed Vireo	1
Clay-colored Sparrow	1
Cedar Waxwing	1
Chipping Sparrow	1
Marsh Wren	2
Northern Cardinal	1
Swamp Sparrow	1
Swainson's Thrush	1
Tennessee Warbler	1
White-breasted Nuthatch	1
White-crowned Sparrow	1
White-throated Sparrow	1
TOTAL	153

Number of birds banded by species at Fisherman's Point, fall of 2019

Orange-crowned Warbler	88
Myrtle Warbler	17
Ruby-crowned Kinglet	4
House Wren	3
Black-capped Chickadee	2
Swainson's Thrush	1
White-breasted Nuthatch	1
Yellow-shafted Flicker	1
TOTAL	117

Banders and Acknowledgements: Eileen Dowd Stukel, Silka Kempema, and Casey Heimerl. U.S.G.S. Banding Permit #21966.

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Figures prepared by Casey Heimerl. Photos by Eileen Dowd Stukel.