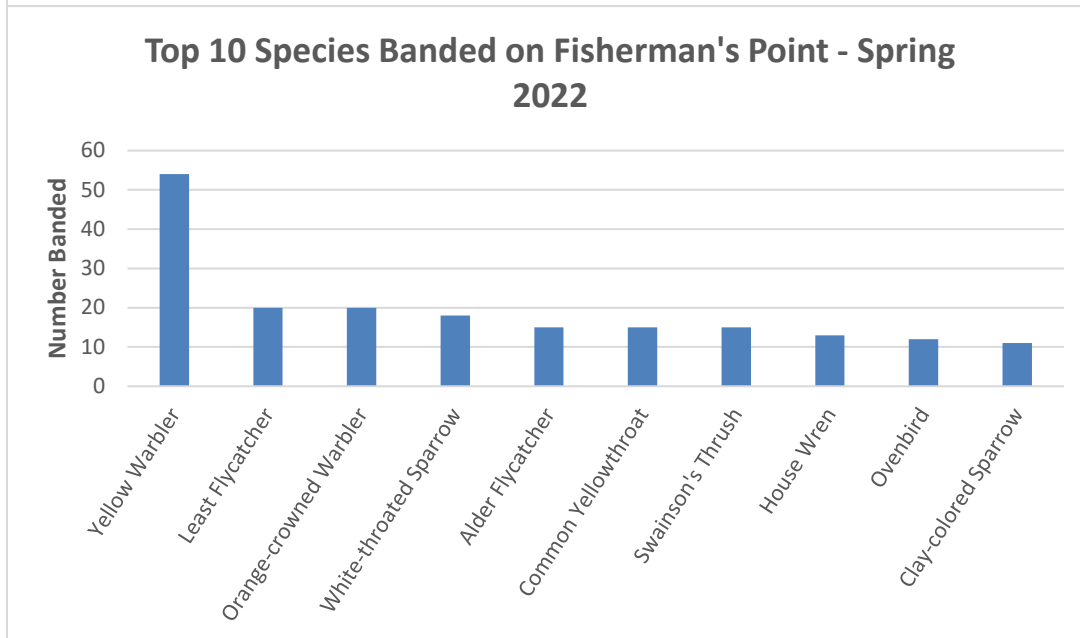
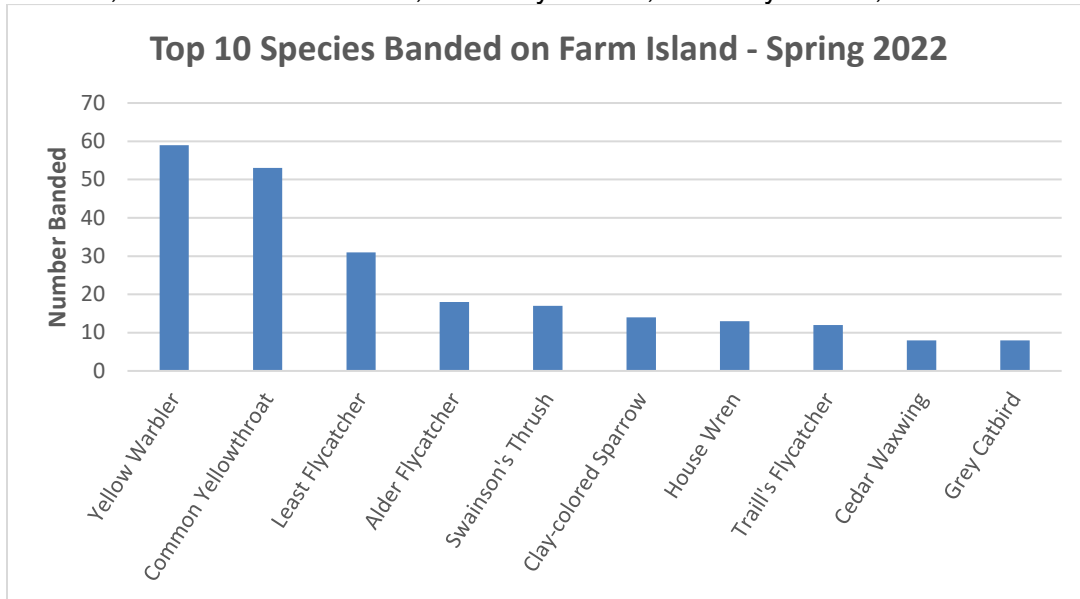




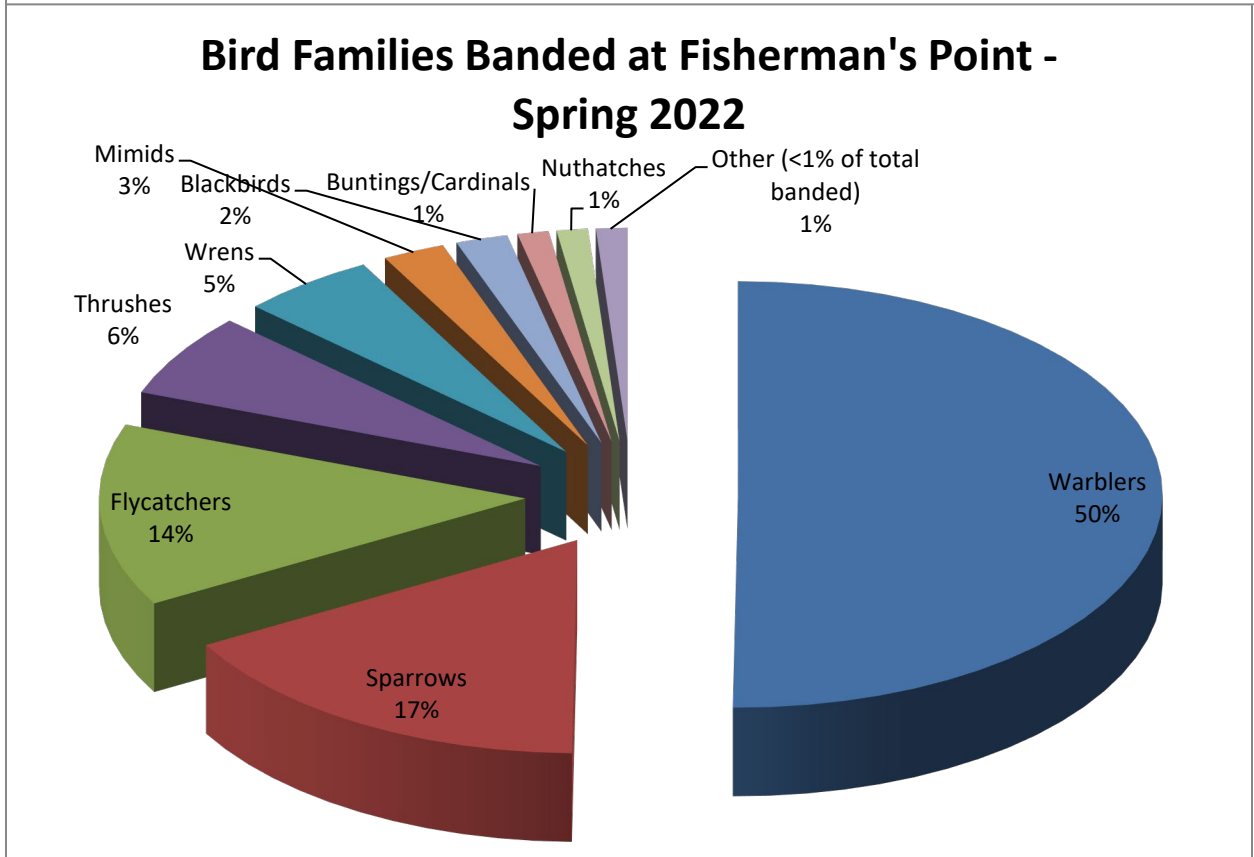
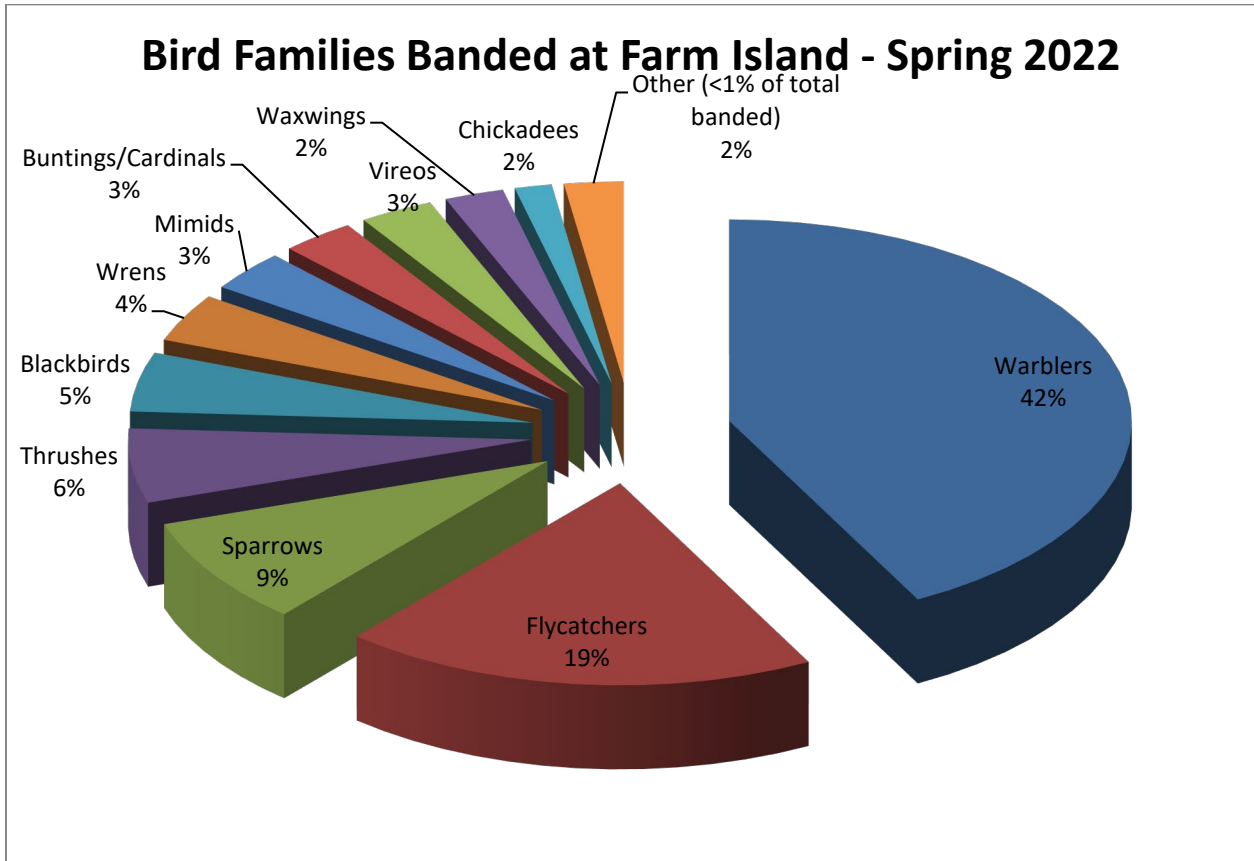
## Bird banding update for spring 2022 Farm Island and Oahe Downstream, South Dakota

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.

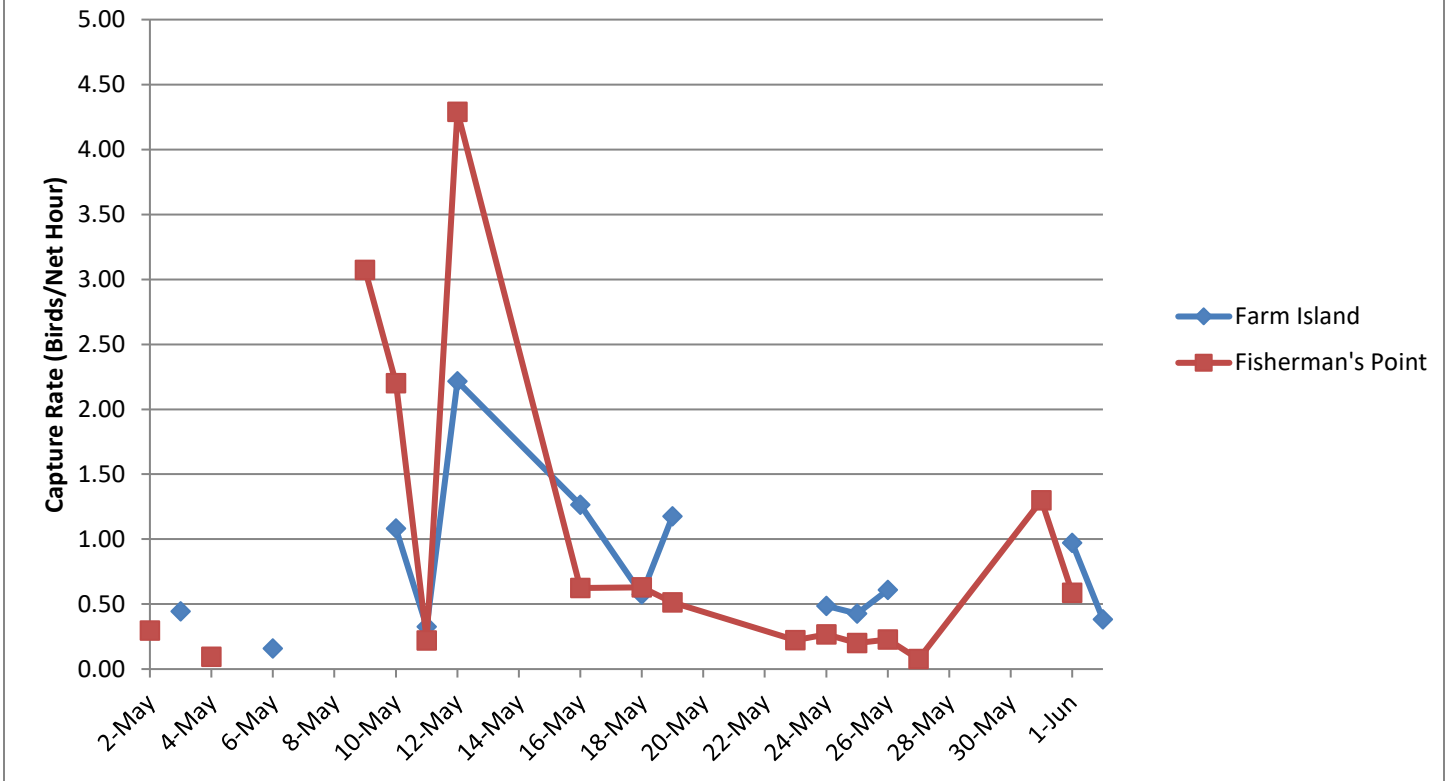
**Species:** Species most commonly banded at both sites during this banding season were Yellow Warbler, Common Yellowthroat, Least Flycatcher, Alder Flycatcher, and Swainson's Thrush.



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



## Capture Rates at Farm Island and Fisherman's Point - Spring 2022



**Capture rates:** The capture rate (number of birds per net hour) at Farm Island peaked on May 12 2022, with a value of 2.22 birds/net hour. Fisherman’s Point’s peak also occurred on May 12, 2022, with 4.29 birds/net hour.

**In all, we banded 589 birds during the spring of 2022; 336 birds at Farm Island of 43 species and 253 birds at Fisherman’s Point of 35 species.**

**Recaptures:** Table 1 lists birds recaptured at Farm Island during the spring of 2022. Table 2 lists birds recaptured at Fisherman's Point during the spring of 2022. All birds were banded at their recapture sites. Individuals at least 5 years old, or nearly so, are highlighted, based on their age at banding. As we have reported with other similar data, these recaptures illustrate the importance of these particular sites to migratory and resident birds and the potential impact of habitat loss at any area to birds that nest or reside year-round in a particular area. These data also show the importance of long-term banding and band recovery efforts to better understand the needs of migratory birds.

**Table 1.** Recaptures at Farm Island banding site during spring 2022.

Band number	Species	Sex	Banding date	Recapture date	Minimum age if not recaptured during same season*
1212-52298	Red-winged Blackbird	M	5/26/2022 (ASY)	06/01/2022	NA; same season
1713-11279	Yellow-shafted Flicker	F	6/06/2019 (TY)	05/19/2022	5 years 11 months
2160-44367	Common Yellowthroat	F	5/31/2019 (ASY)	05/12/2022	4 years 11 months
2331-12860	Spotted Towhee	M	9/22/2021 (HY)	06/02/2022	1 year
2331-12865	Northern Cardinal	F	5/2/2022 (AHY)	05/16/2022	NA; same season
2331-12876	Yellow-breasted Chat	F	5/16/2022 (ASY)	05/18/2022	NA; same season
2331-12877	Spotted Towhee	F	5/19/2022 (SY)	05/24/2022	NA; same season
2510-65904	Common Yellowthroat	M	9/23/2019 (AHY)	05/25/2022	3 years 11 months
2510-65910	Black-capped Chickadee	M	9/23/2019 (HY)	05/03/2022	2 years 11 months
2561-99855	Great Crested Flycatcher	U	5/30/2018 (ASY)	06/01/2022	6 years
2621-54323	Indigo Bunting	M	9/23/2021 (AHY)	05/12/2022	1 year 11 months
2741-39722	Downy Woodpecker	M	5/06/2021 (SY)	05/12/2022	1 year 11 months
2741-39722	Downy Woodpecker	M	5/06/2021 (SY)	05/16/2022	same
2741-39722	Downy Woodpecker	M	5/06/2021 (SY)	05/25/2022	same
2741-39738	Brown-headed Cowbird	F	5/19/2021 (SY)	05/16/2022	1 year 11 months
2741-39738	Brown-headed Cowbird	F	5/19/2021 (SY)	05/25/2022	same
2741-39776	Song Sparrow	M	5/03/2022 (SY)	05/06/2022	NA; same season
2741-39776	Song Sparrow	M	5/03/2022 (SY)	05/19/2022	NA; same season
2750-79396	Yellow Warbler	M	5/16/2016 (ASY)	05/10/2022	7 years 11 months
2750-79396	Yellow Warbler	M	5/16/2016 (ASY)	05/16/2022	same
2780-34243	Common Yellowthroat	M	5/16/2017 (SY)	06/02/2022	4 years 11 months
2850-40803	Yellow Warbler	M	5/12/2022 (ASY)	05/24/2022	NA; same season
2850-40817	Yellow Warbler	M	5/16/2022 (ASY)	06/01/2022	NA; same season
2850-40822	Common Yellowthroat	M	5/16/2022 (SY)	05/26/2022	NA; same season
2850-40829	Yellow Warbler	M	5/16/2022 (ASY)	05/26/2022	NA; same season
2850-40852	Common Yellowthroat	M	5/19/2022 (ASY)	06/02/2022	NA; same season
2850-40886	Warbling Vireo	M	6/01/2022 (ASY)	06/02/2022	NA; same season
2850-40892	Yellow Warbler	M	6/01/2022 (SY)	06/02/2022	NA; same season
2870-96410	Common Yellowthroat	M	9/04/2020 (AHY)	05/12/2022	2 years 11 months
2870-96420	Common Yellowthroat	M	9/04/2020 (HY)	05/25/2022	1 year 11 months
2870-96420	Common Yellowthroat	M	9/04/2020 (HY)	06/01/2022	same
2870-96539	Yellow Warbler	M	5/19/2021 (ASY)	05/19/2022	2 years 11 months
2870-96540	Common Yellowthroat	M	5/19/2021 (ASY)	05/16/2022	2 years 11 months
2870-96444	Common Yellowthroat	M	9/10/2020 (AHY)	05/11/2022	2 years 11 months
2870-96546	Yellow Warbler	M	5/24/2021 (ASY)	05/12/2022	2 years 11 months

2870-96546	Yellow Warbler	M	5/24/2022 (ASY)	05/18/2022	same
2870-96550	Yellow Warbler	M	5/26/2021 (SY)	06/02/2022	1 year 11 months
2870-96579	Common Yellowthroat	M	9/09/2021 (AHY)	05/24/2022	1 year 11 months
2870-96599	Black-capped Chickadee	M	9/22/2021 (HY)	05/06/2022	11 months
2880-97132	Black-capped Chickadee	M	5/03/2022 (SY)	05/10/2022	NA; same season
2880-97132	Black-capped Chickadee	M	5/03/2022 (SY)	05/16/2022	NA; same season
2880-97132	Black-capped Chickadee	M	5/11/2022 (ASY)	05/19/2022	NA; same season
2880-97152	Yellow Warbler	M	5/11/2022 (ASY)	05/19/2022	NA; same season
2880-97152	Yellow Warbler	M	5/11/2022 (ASY)	05/24/2022	NA; same season
2880-97152	Yellow Warbler	M	5/11/2022 (ASY)	06/01/2022	NA; same season
2880-97156	House Wren	U	5/11/2022 (SY)	05/12/2022	NA; same season
2880-97156	House Wren	U	5/11/2022 (SY)	05/24/2022	NA; same season
2880-97156	House Wren	M	5/11/2022 (SY)	05/26/2022	NA; same season

\*assumes hatch date as June 1 for all birds, unless shown otherwise

**Table 2** Recaptures at Fisherman's Point banding site during spring 2022.

Band number	Species	Sex	Banding date	Recapture date	Minimum age if not recaptured during same season*
1951-13163	Hairy Woodpecker	F	9/12/2013 (AHY)	05/02/2022	9 years 11 months
2411-27403	Spotted Towhee	F	5/16/2022 (ASY)	05/24/2022	NA; same season
2561-99771	Northern Cardinal	F	5/4/2021 (AHY)	05/24/2022	1 year 11 months
2691-99104	Yellow-breasted Chat	F	05/16/2022	05/18/2022	NA; same season
2691-99107	Brown-headed Cowbird	F	5/19/2022 (SY)	05/26/2022	NA; same season
2850-40951	Yellow Warbler	F	5/29/2020 (ASY)	05/25/2022	3 years 11 months
2850-40951	Yellow Warbler	F	5/29/2020 (ASY)	05/31/2022	same
2870-96623	House Wren	U	5/17/2021 (AHY)	05/16/2022	1 year 11 months
2870-96624	House Wren	U	5/17/2021 (SY)	05/19/2022	1 year 11 months
2870-96624	House Wren	U	5/17/2021 (SY)	05/25/2022	same
2870-96624	House Wren	U	5/17/2021 (SY)	06/01/2022	same
2870-96627	Yellow Warbler	M	5/17/2021 (ASY)	05/26/2022	2 years 11 months
2870-96629	Yellow Warbler	F	5/17/2021 (ASY)	05/12/2022	2 years 11 months
2870-96629	Yellow Warbler	F	5/17/2021 (ASY)	05/26/2022	same
2870-96632	Yellow Warbler	M	5/18/2021 (ASY)	05/11/2022	2 years 11 months
2870-96645	House Wren	U	5/20/2021 (SY)	05/02/2022	1 year 11 months
2870-96654	House Wren	U	5/24/2021 (SY)	05/23/2022	1 year 11 months
2870-96728	Black-capped Chickadee	U	9/23/2021 (HY)	05/04/2022	11 months
2870-96728	Black-capped Chickadee	U	9/23/2021 (HY)	05/19/2022	same
2880-96745	Yellow Warbler	M	5/12/2022 (ASY)	05/19/2022	NA; same season
2880-96745	Yellow Warbler	M	5/12/2022 (ASY)	06/01/2022	NA; same season
2880-96758	House Wren	U	5/16/2022 (SY)	05/16/2022	NA; same season
2880-96758	House Wren	U	5/16/2022 (SY)	05/18/2022	NA; same season
2880-96758	House Wren	U	5/16/2022 (SY)	05/19/2022	NA; same season
2880-96758	House Wren	U	5/16/2022 (SY)	05/23/2022	NA; same season
2880-96758	House Wren	U	5/16/2022 (SY)	05/25/2022	NA; same season
2880-96758	House Wren	U	5/16/2022 (SY)	05/26/2022	NA; same season
2880-96759	House Wren	U	5/16/2022 (SY)	05/18/2022	NA; same season
2880-96759	House Wren	U	5/16/2022 (SY)	05/19/2022	NA; same season
2880-96762	Common Yellowthroat	M	5/16/2022 (ASY)	05/24/2022	NA; same season
2880-96769	Yellow Warbler	M	5/18/2022 (ASY)	05/24/2022	NA; same season
2880-96769	Yellow Warbler	M	5/18/2022 (ASY)	06/01/2022	NA; same season
2880-96770	Yellow Warbler	M	5/18/2022 (ASY)	05/31/2022	NA; same season
2880-96772	House Wren	U	5/18/2022 (ASY)	05/27/2022	NA; same season
2880-96783	House Wren	U	5/19/2022 (AHY)	05/23/2022	NA; same season
2880-96783	House Wren	U	5/19/2022 (AHY)	05/31/2022	NA; same season
2880-96792	Yellow Warbler	F	5/25/2022 (ASY)	06/01/2022	NA; same season

\*assumes hatch date as June 1 for all birds, unless shown otherwise

Abbreviations:

HY: hatching year

AHY: after hatching year (not in its first calendar year)

SY: second year

ASY: after second year

TY: in its third calendar year of life

**Images from spring 2022:**



Silka Kempema banded this male Chestnut-sided Warbler at Fisherman's Point on May 18, 2022. This species is a relatively rare capture for us. We have banded 18 in all; 5 at Fisherman's Point.



The Gray-cheeked Thrush (left) has a similar appearance to the Swainson's Thrush (right), one of our most commonly-banded species. The Swainson's Thrush has a buffy eyering.



Female (left) and male (below) Indigo Buntings banded together at Farm Island on May 26, 2022. This species nests in our area.





Northern Waterthrush (left) banded at Farm Island on May 3, 2022.



We banded 2 female MacGillivray's Warblers (above) at Farm Island during the spring of 2022. We have banded only 23 of this species in all; 20 of them were banded during spring banding seasons.



Bell's Vireo (upper left) banded at Farm Island on June 1, 2022. Compared to the similar Warbling Vireo (upper right), this species has a pale wingbar and a less distinct facial pattern. Both species nest in our area.

## Number of birds banded by species at Farm Island, spring of 2022

<b>Species</b>	<b>#</b>
Yellow Warbler	59
Common Yellowthroat	53
Least Flycatcher	31
Alder Flycatcher	18
Swainson's Thrush	17
Clay-colored Sparrow	14
House Wren	13
Traill's Flycatcher	12
Cedar Waxwing	8
Gray Catbird	8
Lincoln's Sparrow	7
Northern Cardinal	7
Red-winged Blackbird	7
Northern Waterthrush	6
Warbling Vireo	6
Black-and-white Warbler	5
Black-capped Chickadee	5
Yellow-breasted Chat	5
Bell's Vireo	4
Brown-headed Cowbird	4
Common Grackle	4
American Goldfinch	3
Blackpoll Warbler	3
Brown Thrasher	3
Indigo Bunting	3
Willow Flycatcher	3
White-throated Sparrow	3
American Redstart	2
American Robin	2
MacGillivray's Warbler	2
Ovenbird	2
Ruby-crowned Kinglet	2
Song Sparrow	2
Spotted Towhee	2
Western Palm Warbler	2
Yellow-shafted Flicker	2
Gray-cheeked Thrush	1
Mourning Warbler	1
Orange-crowned Warbler	1
Orchard Oriole	1
Swamp Sparrow	1
Tennessee Warbler	1
White-breasted Nuthatch	1
<b>Grand Total</b>	<b>336</b>

## Number of birds banded by species at Fisherman's Point, spring of 2022

<b>Species</b>	<b>Total</b>
Yellow Warbler	54
Least Flycatcher	20
Orange-crowned Warbler	20
White-throated Sparrow	18
Alder Flycatcher	15
Common Yellowthroat	15
Swainson's Thrush	15
House Wren	13
Ovenbird	12
Clay-colored Sparrow	11
Lincoln's Sparrow	9
Gray Catbird	6
Northern Waterthrush	6
Brown-headed Cowbird	5
Myrtle Warbler	4
Black-and-white Warbler	3
Northern Cardinal	3
Wilson's Warbler	3
American Redstart	2
Blackpoll Warbler	2
Tennessee Warbler	2
White-breasted Nuthatch	2
Black-capped Chickadee	1
Chestnut-sided Warbler	1
Gray-cheeked Thrush	1
Harris's Sparrow	1
Magnolia Warbler	1
Mourning Warbler	1
Red-breasted Nuthatch	1
Red-eyed Vireo	1
Song Sparrow	1
Spotted Towhee	1
White-crowned Sparrow	1
Yellow-breasted Chat	1
Yellow-shafted Flicker	1
<b>Grand Total</b>	<b>253</b>

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

Doug Backlund and his sister Susan, Chad and Megan Switzer, Claire and Brent Kempema, the Ermer family, Mandy Miller, and Pat Buscher assisted with banding during the spring of 2022.

This activity is supported by Wildlife and Sport Fish Restoration Program Project W-95-R-51, Study 9509-IV and matching funds from SDGFP, Wildlife Division.

Figures prepared by Casey Heimerl. Photos by Eileen Dowd Stukel and Silka Kempema.



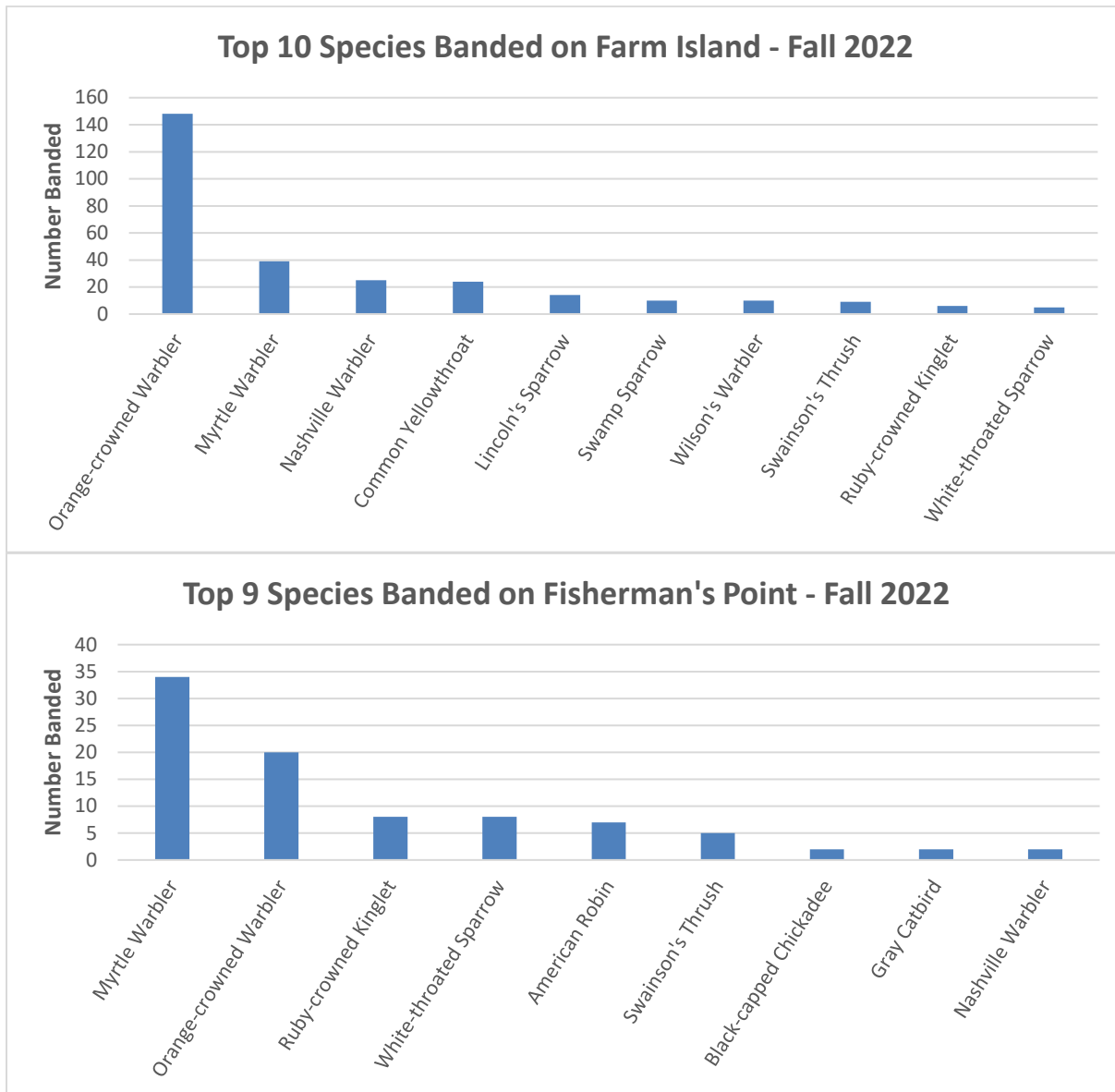
Camera-shy Black-and-white Warbler banded at Farm Island.



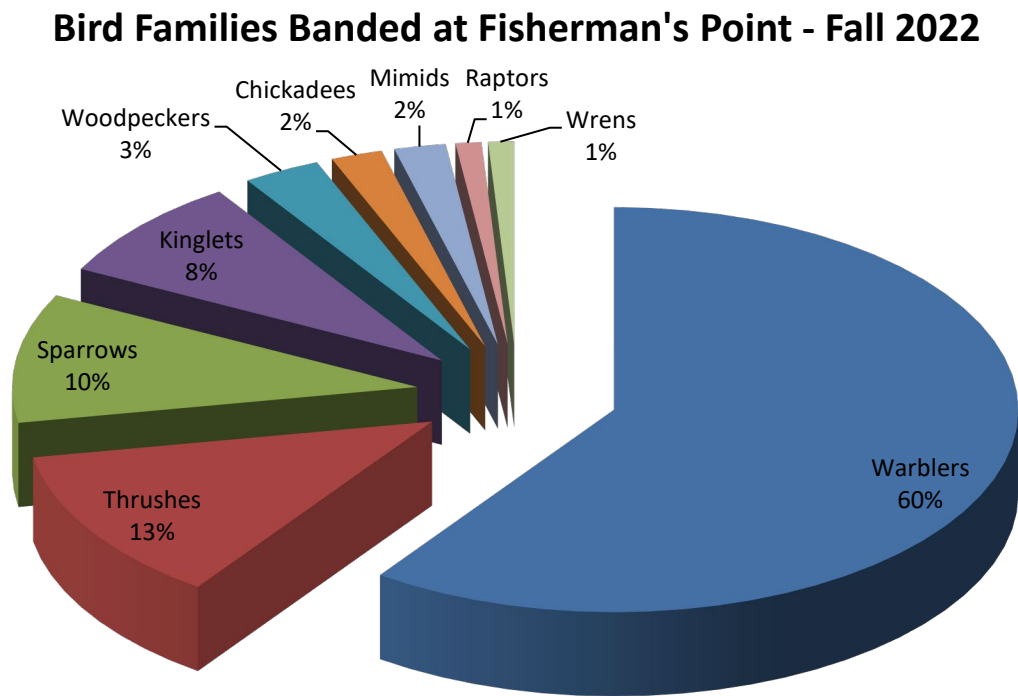
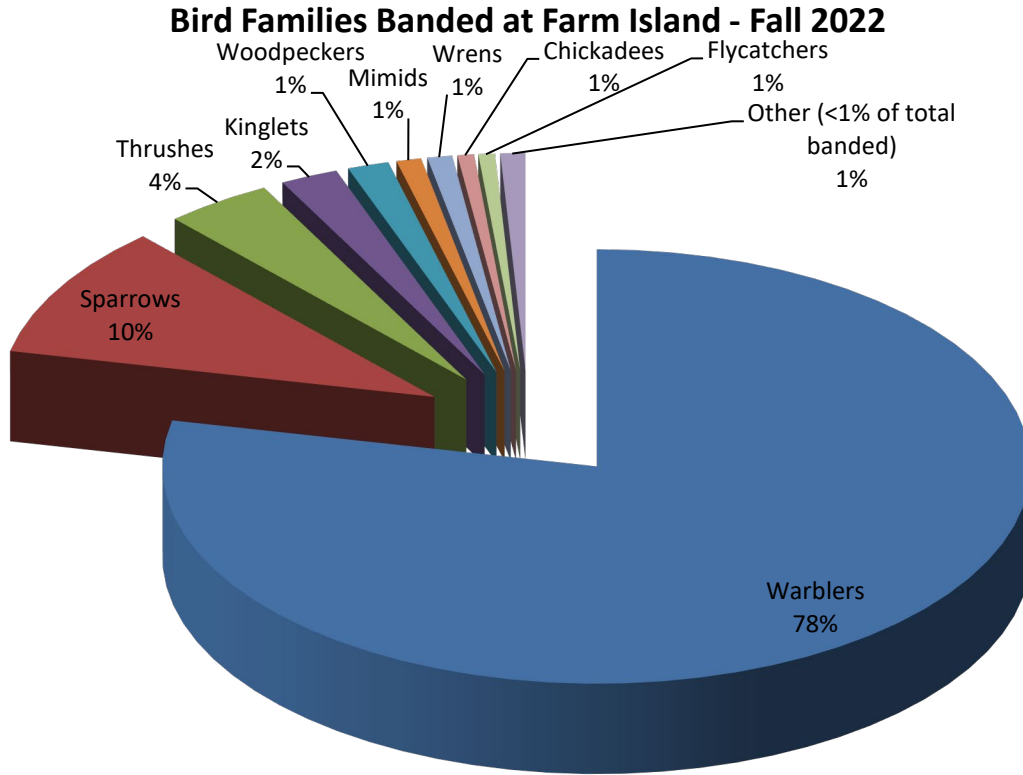
## Bird banding update for fall 2022 Farm Island and Oahe Downstream, South Dakota

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.

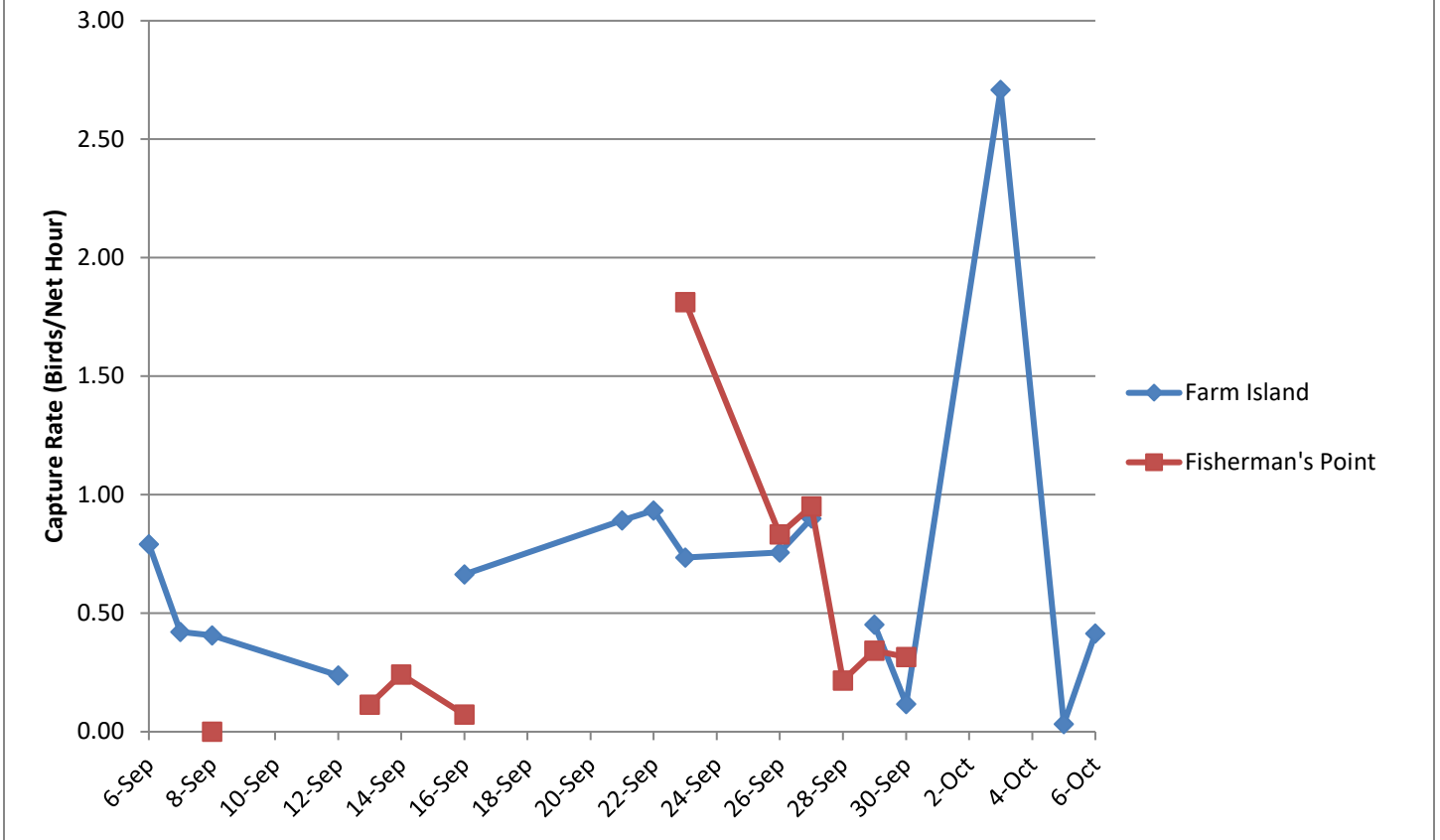
**Species:** Species most commonly banded at both sites during this banding season were Orange-crowned, Myrtle, and Nashville warblers; Common Yellowthroat; and Lincoln's Sparrow.



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



## Capture Rates at Farm Island and Fisherman's Point - Fall 2022



**Capture rates:** The capture rate (number of birds per net hour) at Farm Island peaked on October 3, 2022, with a value of 2.71 birds/net hour. Fisherman's Point's peak occurred on September 23, 2022, with 1.81 birds/net hour.

**In all, we banded 421 birds during the fall of 2022; 324 birds at Farm Island of 29 species and 97 birds at Fisherman's Point of 18 species or intergrades.**

**Recaptures:** Table 1 lists birds recaptured at Farm Island during the fall of 2022. Table 2 lists birds recaptured at Fisherman’s Point during the same season. All birds were banded at their recapture sites. As we have previously reported, recaptures illustrate the importance of these particular sites to migratory and resident birds and the potential impact of habitat loss at any area to birds that use that area for rest and refueling during migration, for nesting or for year-round residence. These data also show the importance of long-term banding and band recovery efforts to better understand the needs of migratory birds.

**Table 1.** Recaptures at Farm Island banding site during fall 2022

Band number	Species	Sex	Banding date	Recapture date	Minimum age if not recaptured during same season*
2890-94908	Black-throated Blue Warbler	M	9/6/2022	9/7/2022	NA; same season
2850-40856	Common Yellowthroat	M	5/24/2022 (SY)	9/16/2022	1 year, 4 months
2870-96420	Common Yellowthroat	M	9/4/2022	9/16/2022	NA; same season
2741-39825	White-throated Sparrow	U	9/22/2022	9/26/2022	NA; same season
2621-54362	Lincoln’s Sparrow	U	9/21/2022	9/27/2022	NA; same season
2741-39826	White-throated Sparrow	U	9/26/2022	9/29/2022	NA; same season
2621-54359	Lincoln’s Sparrow	U	9/12/2022	9/29/2022	NA; same season

\*assumes hatch date as June 1 for all birds, unless shown otherwise

**Table 2** Recaptures at Fisherman’s Point banding site during fall 2022.

Band number	Species	Sex	Banding date	Recapture date	Minimum age if not recaptured during same season*
2880-97066	Myrtle Warbler	M	9/26/2022	9/29/2022	NA; same season
2900-05815	Ruby-crowned Kinglet	F	9/29/2022	9/30/2022	NA; same season
2880-96780	Black-capped Chickadee	U	5/19/2022 (SY)	9/30/2022	1 year, 4 months
2870-96728	Black-capped Chickadee	U	9/23/2021 (HY)	9/30/2022	1 year, 4 months

\*assumes hatch date as June 1 for all birds, unless shown otherwise

Abbreviations:

HY: hatching year

AHY: after hatching year (not in its first calendar year)

SY: second year

ASY: after second year

TY: in its third calendar year of life

**Images from fall 2022:**



We banded two immature Sharp-shinned Hawks during this season, one at each site.



Silka Kempema (left) and Jaci Baker (right) banding birds at Fisherman's Point.



Male Black-throated Blue Warbler banded at Farm Island on September 6, 2022. This is only the 8<sup>th</sup> time we have banded this species. All have been banded during fall seasons, with 7 of the 8 banded at Farm Island.



Female Ruby-crowned Kinglet banded at Fisherman's Point



Ben Rieckman with a Nashville Warbler, which is also shown below.



## Number of birds banded by species at Farm Island, fall of 2022

<b>Species</b>	<b>#</b>
Orange-crowned Warbler	148
Myrtle Warbler	39
Nashville Warbler	25
Common Yellowthroat	24
Lincoln's Sparrow	14
Swamp Sparrow	10
Wilson's Warbler	10
Swainson's Thrush	9
Ruby-crowned Kinglet	6
White-throated Sparrow	5
American Robin	4
Brown Thrasher	3
House Wren	3
Red-bellied Woodpecker	3
Song Sparrow	3
Yellow Warbler	3
Black-capped Chickadee	2
Tennessee Warbler	2
Black-throated Blue Warbler	1
Hairy Woodpecker	1
Least Flycatcher	1
Magnolia Warbler	1
Northern Cardinal	1
Northern Waterthrush	1
Red-breasted Nuthatch	1
Red-eyed Vireo	1
Sharp-shinned Hawk	1
Traill's Flycatcher	1
Yellow-shafted Flicker	1
<b>Total</b>	<b>324</b>

## Number of birds banded by species at Fisherman's Point, fall of 2022

<b>Species</b>	<b>Total</b>
Myrtle Warbler	34
Orange-crowned Warbler	20
Ruby-crowned Kinglet	8
White-throated Sparrow	8
American Robin	7
Swainson's Thrush	5
Black-capped Chickadee	2
Gray Catbird	2
Nashville Warbler	2
Black-and-white Warbler	1
Flicker intergrade	1
Hairy Woodpecker	1
House Wren	1
Slate-colored Junco	1
Spotted Towhee	1
Sharp-shinned Hawk	1
Wilson's Warbler	1
Yellow-shafted Flicker	1
<b>Total</b>	<b>97</b>

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

**Acknowledgements:** SDGFP staff JM Weidler, Jim Noble, and Ben Rieckman assisted, as did Jaci Baker, U.S. Forest Service intern, Charlie Bessken, and Doug Backlund and family.

This activity is supported by Wildlife and Sport Fish Restoration Program Project W-95-R-51, Study 9509-IV and matching funds from SDGFP, Wildlife Division.

Figures prepared by Casey Heimerl. Photos by Casey, Eileen and Silka.