

**Black Swamp Bird Observatory
Navarre, Ottawa NWR Banding Station
Spring 2023**

The 32nd spring season began daily 3 April at the primary passerine banding station of the Black Swamp Bird Observatory. Operations are conducted daily weather permitting from mid-April to early June. Only raw data (i.e., uncorrected for effort) are presented here, all of these data should be considered provisional. They are presented here for general interest, not as scientific analyses.

Due to Covid-19 the station was not run in 2020 and 2021.

Spring 2023 Banding - New Bandings only

| Date | Number Banded 2023 | Accumulative Banded 2023 | Birds/Net Hour | Same Date 2022 |
|------|--------------------|--------------------------|----------------|----------------|
| 4-3 | 124 | | 1.16 | 0 |
| 4-4 | 93 | 217 | 0.91 | 0 |
| 4-5 | | 217 | | 143 |
| 4-6 | 65 | 282 | 0.69 | 143 |
| 4-7 | 56 | 338 | 0.57 | 214 |
| 4-8 | | 338 | | 242 |
| 4-9 | 67 | 405 | 0.68 | 242 |
| 4-10 | 55 | 460 | 0.53 | 275 |
| 4-11 | 55 | 515 | 0.50 | 357 |
| 4-12 | 31 | 546 | 0.28 | 433 |
| 4-13 | 32 | 578 | 0.29 | 471 |
| 4-14 | 47 | 625 | 0.44 | 471 |
| 4-15 | 59 | 684 | 0.55 | 523 |
| 4-16 | 67 | 751 | 0.62 | 548 |
| 4-17 | RAIN | 751 | | 571 |
| 4-18 | RAIN | 751 | | 571 |
| 4-19 | 57 | 808 | 0.50 | 583 |
| 4-20 | 59 | 867 | 0.54 | 599 |
| 4-21 | 99 | 966 | 0.97 | 599 |
| 4-22 | 67 | 1033 | 0.92 | 663 |
| 4-23 | 66 | 1099 | 0.57 | 759 |
| 4-24 | 33 | 1132 | 0.29 | 912 |
| 4-25 | 27 | 1159 | 0.28 | 912 |
| 4-26 | 54 | 1213 | 0.47 | 1190 |
| 4-27 | 17 | 1230 | 0.16 | 1339 |
| 4-28 | RAIN | 1257 | | 1369 |
| 4-29 | 27 | 1257 | 0.36 | 1403 |
| 4-30 | RAIN | 1257 | | 1420 |
| 5-01 | 285 | 1542 | 2.44 | 1719 |
| 5-02 | RAIN | 1542 | | 2061 |
| 5-03 | RAIN | 1542 | | 2061 |
| 5-04 | 72 | 1614 | 0.70 | 2061 |
| 5-05 | 193 | 1807 | 1.55 | 2112 |
| 5-06 | 153 | 1960 | 1.19 | 2112 |
| 5-07 | RAIN | 1960 | | 2112 |
| 5-08 | 142 | 2102 | 1.07 | 2176 |
| 5-09 | 70 | 2172 | 0.55 | 2341 |
| 5-10 | 101 | 2273 | 0.77 | 2973 |
| 5-11 | 253 | 2526 | 1.94 | 3501 |
| 5-12 | 382 | 2908 | 2.81 | 3740 |
| 5-13 | 137 | 3045 | 1.28 | 3740 |
| 5-14 | 49 | 3094 | 0.40 | 3740 |
| 5-15 | 37 | 3131 | 0.29 | 3740 |
| 5-16 | 342 | 3473 | 2.20 | 3740 |

| Date | Number Banded 2023 | Accumulative Banded 2023 | Birds/Net Hour | Same Date 2022 |
|------|--------------------|--------------------------|----------------|----------------|
| 5-17 | 62 | 3535 | 0.49 | 3750 |
| 5-18 | 75 | 3610 | 0.54 | 3828 |
| 5-19 | 356 | 3966 | 2.51 | 4140 |
| 5-20 | 316 | 4282 | 2.62 | 4358 |
| 5-21 | 187 | 4469 | 1.36 | 4577 |
| 5-22 | 125 | 4594 | 0.91 | 4577 |
| 5-23 | | | | 4834 |
| 5-24 | | | | 4923 |
| 5-25 | | | | 5037 |
| 5-26 | | | | 5164 |
| 5-27 | | | | 5303 |
| 5-28 | | | | 5385 |
| 5-29 | | | | 5532 |
| 5-30 | | | | 5596 |
| 5-31 | | | | 5672 |
| 6-01 | | | | 5742 |
| 6-02 | | | | 5767 |
| 6-03 | | | | 5783 |

Bird Movement:

Returns: Each year we recover 200-300 banded birds returning from previous years. Returns so far for 2023:

Species summary for the Navarre banding station, spring 2023. Includes first/last capture, peak capture, 2023 new banded total, 2022 total for the species, and the total, high year and average for 1989-2022. The station began operation in 1981 but was not run daily until 1989.

Last date is only included if the species main migration has passed through the region.

2023 totals bold if surpassed year 2022 totals, blue if surpassed average, and red if record year

Updated last: May 22

| Species | First /Last Capture | Peak Capture | 2023 Total | 2022 Total | 1989 - 2022 (no 20-21) Total | High | Ave |
|-----------------------|---------------------|--------------|------------|------------|------------------------------|------|-----|
| Green Heron | | | | | 10 | 5 | <1 |
| Virginia Rail | | | | | 1 | 1 | <1 |
| Sora | 4/23 | | 1 | 0 | 8 | 3 | <1 |
| American Woodcock | | | | | 17 | 3 | <1 |
| Solitary Sandpiper | 5/8 | | 1 | 0 | 2 | 1 | <1 |
| Mourning Dove | 4/20 | | 1 | 0 | 20 | 4 | <1 |
| Sharp-shinned Hawk | 4/6-5/1 | | 3 | 2 | 111 | 12 | 4 |
| Cooper's Hawk | | | | | 5 | 1 | <1 |
| Red-tailed Hawk | | | | | 1 | 1 | <1 |
| American Kestrel | | | | | 19 | 3 | <1 |
| Northern Saw-whet Owl | | | | | 1 | 1 | <1 |
| Eastern Screech-Owl | 5/11 | | 1 | 0 | 7 | 2 | <1 |
| Yellow-billed Cuckoo | | | | 2 | 66 | 6 | 2 |

| Species | First /Last Capture | Peak Capture | 2023 Total | 2022 Total | 1989 – 2022 (no 20-21) | | |
|--------------------------------|---------------------|--------------|------------|------------|------------------------|------|-----|
| | | | | | Total | High | Ave |
| Black-billed Cuckoo | 5/16 | | 1 | 9 | 108 | 9 | 3 |
| Belted Kingfisher | | | | | 3 | 2 | <1 |
| Hairy Woodpecker | 4/6 | | 3 | 1 | 21 | 5 | <1 |
| Downy Woodpecker | 4/6 | 4/9-2 | 9 | 4 | 155 | 10 | 5 |
| Yellow-bellied Sapsucker | 4/4-14 | | 3 | 2 | 99 | 11 | 3 |
| Red-headed Woodpecker | | | | | 7 | 1 | <1 |
| Red-bellied Woodpecker | 5/8 | | 3 | 3 | 37 | 5 | 1 |
| Yellow-shafted Flicker | 4/3 | 4/10-4 | 19 | 11 | 177 | 16 | 6 |
| Chuck-will's-widow | | | | | 1 | 1 | <1 |
| Whip-poor-will | 5/12 | | 1 | 0 | 30 | 3 | <1 |
| Common Nighthawk | | | | | 1 | 1 | <1 |
| Chimney Swift | | | | | 1 | 1 | <1 |
| Ruby-throated Hummingbird | 5/8 | 5/8-3 | 20 | 32 | 1388 | 115 | 51 |
| Eastern Kingbird | 5/12-21 | 5/21-3 | 5 | 6 | 159 | 12 | 5 |
| Great Crested Flycatcher | 5/8 | 5/16-7 | 9 | 24 | 705 | 44 | 22 |
| Eastern Phoebe | 4/3-5/6 | 4/3-5 | 18 | 14 | 171 | 27 | 5 |
| Olive-sided Flycatcher | | | | 2 | 58 | 7 | 2 |
| Eastern Wood Pewee | 5/15 | 5/16-5 | 12 | 35 | 1047 | 53 | 33 |
| Yellow-bellied Flycatcher | 5/12 | 5/19-5 | 10 | 140 | 3637 | 216 | 114 |
| Acadian Flycatcher | 5/19 | | 1 | 25 | 869 | 125 | 27 |
| Trail's Flycatcher | 5/12 | 5/20-16 | 38 | 335 | 9754 | 648 | 305 |
| Least Flycatcher | 5/5-21 | 5/6-7 | 52 | 74 | 3125 | 186 | 98 |
| Dusky Flycatcher | | | | | 1 | 1 | <1 |
| Blue Jay | 4/10 | 5/10-4 | 14 | 71 | 1572 | 205 | 49 |
| Brown-headed Cowbird | 4/13 | 4/22-4 | 16 | 17 | 70 | 27 | 2 |
| Red-winged Blackbird | 4/3 | 4/9-10 | 105 | 141 | 4527 | 301 | 141 |
| Orchard Oriole | | | | | 50 | 4 | 2 |
| Baltimore Oriole | 5/6 | 5/12-4 | 12 | 8 | 1116 | 72 | 35 |
| Rusty Blackbird | 4/10-5/8 | | 5 | 21 | 157 | 21 | 5 |
| Common Grackle | 4/7 | 5/9-4 | 32 | 15 | 585 | 50 | 18 |
| Purple Finch | 5/1 | 5/1-2 | 2 | 0 | 48 | 15 | 2 |
| House Finch | | | | | 30 | 8 | <1 |
| American Goldfinch | 4/16 | 5/4-2 | 9 | 8 | 1747 | 192 | 55 |
| Pine Siskin | | | | | 3 | 1 | <1 |
| Vesper Sparrow | | | | | 1 | 1 | <1 |
| Savanna Sparrow | | | | | 12 | 2 | <1 |
| Grasshopper Sparrow | | | | | 5 | 2 | <1 |
| Henslow's Sparrow | | | | | 4 | 1 | <1 |
| Nelson's Sparrow | | | | | 1 | 1 | <1 |
| LeConte's Sparrow | | | | | 1 | 1 | <1 |
| Harris Sparrow | | | | | 1 | 1 | <1 |
| White-crowned Sparrow | 5/5-20 | 5/5-3 | 12 | 12 | 1457 | 86 | 46 |
| White-crowned Sparrow Gambel's | | | | | 25 | 4 | <1 |
| White-throated Sparrow | 4/3-5/20 | 5/5-70 | 461 | 324 | 15780 | 756 | 493 |
| American Tree Sparrow | 4/3-12 | 4/3-13 | 47 | 49 | 181 | 49 | 6 |
| Chipping Sparrow | 4/11-5/10 | | 2 | 1 | 118 | 12 | 4 |
| Clay-colored Sparrow | | | | | 9 | 2 | <1 |
| Field Sparrow | 4/3-5/5 | | 6 | 8 | 309 | 27 | 10 |
| Slate-colored Junco | 4/3-15 | 4/3-8 | 22 | 15 | 521 | 87 | 16 |
| Song Sparrow | 4/3 | 4/3-17 | 85 | 60 | 1511 | 112 | 47 |

| Species | First /Last Capture | Peak Capture | 2023 Total | 2022 Total | 1989 – 2022 (no 20-21) | | |
|------------------------------|---------------------|--------------|------------|------------|------------------------|------|-----|
| | | | | | Total | High | Ave |
| Lincoln's Sparrow | 5/4 | 5/19-10 | 72 | 39 | 2945 | 196 | 92 |
| Swamp Sparrow | 4/3 | 4/22-10 | 93 | 102 | 5554 | 384 | 174 |
| Fox Sparrow | 4/3-13 | 4/3-21 | 70 | 61 | 579 | 87 | 18 |
| Eastern Towhee | 4/21-27 | | 3 | 3 | 109 | 10 | 3 |
| Spotted Towhee | | | | | 1 | 1 | <1 |
| Northern Cardinal | 4/3 | 5/9-4 | 47 | 59 | 1333 | 72 | 42 |
| Rose-breasted Grosbeak | 5/6-16 | 5/12-3 | 8 | 13 | 753 | 106 | 24 |
| Blue Grosbeak | | | | | 1 | 1 | <1 |
| Indigo Bunting | 5/12 | 5/19-13 | 29 | 41 | 2793 | 165 | 87 |
| Scarlet Tanager | 5/11-12 | | 2 | 3 | 204 | 17 | 6 |
| Summer Tanager | 5/19 | | 1 | 0 | 21 | 3 | <1 |
| Purple Martin | | | | | 2 | 2 | <1 |
| Barn Swallow | | | | | 14 | 5 | <1 |
| Tree Swallow | 4/9 | 4/10-5 | 42 | 29 | 540 | 34 | 17 |
| N. Rough-winged Swallow | | | | | 5 | 2 | <1 |
| Cedar Waxwing | | | | 5 | 1294 | 198 | 40 |
| Loggerhead Shrike | | | | | 1 | 1 | <1 |
| Red-eyed Vireo | 5/6 | 5/19-25 | 57 | 119 | 5408 | 385 | 169 |
| Philadelphia Vireo | 5/17-21 | 5/19-7 | 15 | 16 | 778 | 59 | 24 |
| Warbling Vireo | 5/8 | 5/12-4 | 16 | 18 | 813 | 54 | 25 |
| Yellow-throated Vireo | | | | 1 | 58 | 8 | 2 |
| Blue-headed Vireo | 5/5-16 | 5/5-6 | 11 | 12 | 710 | 53 | 22 |
| White-eyed Vireo | 5/5 | | 1 | 15 | 367 | 23 | 11 |
| Black-and-white Warbler | 4/29-5/20 | 5/12-7 | 31 | 74 | 2993 | 359 | 94 |
| Hybrid warbler | | | | | 3 | 1 | <1 |
| Prothonotary Warbler | 5/8 | 5/12-5 | 12 | 13 | 271 | 18 | 8 |
| Swainson's Warbler | | | | | 2 | 1 | <1 |
| Worm-eating Warbler | | | | 1 | 36 | 5 | 1 |
| Blue-winged Warbler | 5/5-16 | | 5 | 11 | 529 | 31 | 17 |
| "Brewster's Warbler" | | | | | 20 | 3 | <1 |
| "Lawrence's Warbler" | | | | | 2 | 1 | <1 |
| Golden-winged Warbler | 5/11-20 | | 3 | 2 | 120 | 11 | 4 |
| Nashville Warbler | 5/5-22 | 5/12-9 | 36 | 48 | 6456 | 432 | 201 |
| Orange-crowned Warbler | 4/21-5/18 | 4/22-3 | 11 | 7 | 343 | 27 | 11 |
| Tennessee Warbler | 5/11-22 | 5/12-20 | 47 | 35 | 3637 | 268 | 114 |
| Northern Parula | 5/6-22 | 5/16-11 | 32 | 15 | 512 | 59 | 16 |
| Cape May Warbler | 5/16-21 | 5/19-2 | 5 | 14 | 997 | 83 | 31 |
| Yellow Warbler | 4/22 | 5/12-30 | 166 | 265 | 12483 | 563 | 390 |
| Black-throated Blue Warbler | 5/5-22 | 5/16-13 | 64 | 59 | 1676 | 131 | 52 |
| Myrtle Warbler | 4/3-5/21 | 5/1-176 | 294 | 425 | 17235 | 1412 | 539 |
| Magnolia Warbler | 5/6-22 | 5/12-63 | 259 | 497 | 19444 | 1282 | 608 |
| Cerulean Warbler | | | | 2 | 51 | 6 | 2 |
| Chestnut-sided Warbler | 5/10-22 | 5/21-21 | 72 | 127 | 4514 | 231 | 141 |
| Bay-breasted Warbler | 5/11-22 | 5/12-15 | 54 | 102 | 2010 | 137 | 63 |
| Blackpoll Warbler | 5/12-22 | 5/19-3 | 13 | 42 | 2222 | 176 | 69 |
| Blackburnian Warbler | 5/11-20 | 5/19-6 | 15 | 41 | 1042 | 70 | 33 |
| Yellow-throated Warbler | | | | | 5 | 1 | <1 |
| Black-throated Green Warbler | 5/1-20 | 5/16-5 | 10 | 39 | 1971 | 119 | 62 |
| Kirtland Warbler | | | | | 3 | 1 | <1 |
| Pine Warbler | | | | 1 | 57 | 9 | 2 |

| Species | First /Last Capture | Peak Capture | 2023 Total | 2022 Total | 1989 – 2022 (no 20-21) | | |
|-------------------------|---------------------|--------------|------------|------------|------------------------|---------------|--------------|
| | | | | | Total | High | Ave |
| Western Palm Warbler | 4/19-5/21 | 5/1-16 | 49 | 184 | 4966 | 464 | 155 |
| Yellow Palm Warbler | | | | | 48 | 6 | 2 |
| Prairie Warbler | | | | 1 | 29 | 3 | <1 |
| Ovenbird | 4/19-5/22 | 5/12-10 | 56 | 40 | 4113 | 262 | 129 |
| Northern Waterthrush | 4/20-5/22 | 5/8-4 | 34 | 34 | 2884 | 172 | 90 |
| Louisiana Waterthrush | 4/15 | | 1 | 2 | 46 | 6 | 1 |
| Kentucky Warbler | | | | | 53 | 7 | 2 |
| Connecticut Warbler | 5/16-19 | | 2 | 8 | 239 | 11 | 7 |
| Mourning Warbler | 5/11 | 5/22-6 | 25 | 54 | 3125 | 152 | 98 |
| Common Yellowthroat | 4/10 | 5/16-17 | 128 | 207 | 9876 | 534 | 309 |
| Yellow-breasted Chat | 5/11-12 | | 2 | 2 | 225 | 21 | 7 |
| Hooded Warbler | 5/11 | 5/12-2 | 3 | 3 | 247 | 18 | 8 |
| Wilson's Warbler | 5/11-22 | 5/20-19 | 49 | 58 | 6065 | 328 | 190 |
| Canada Warbler | 5/12-22 | 5/20-11 | 41 | 67 | 3802 | 220 | 119 |
| American Redstart | 5/8-22 | 5/16-63 | 246 | 237 | 9021 | 517 | 282 |
| Northern Mockingbird | | | | | 1 | 1 | <1 |
| Gray Catbird | 4/22 | 5/11-61 | 388 | 297 | 13144 | 571 | 411 |
| Brown Thrasher | 4/4 | 4/10 | 17 | 25 | 483 | 25 | 15 |
| Carolina Wren | 4/4 | | 2 | 4 | 117 | 9 | 4 |
| House Wren | 4/19 | 5/5-11 | 79 | 90 | 3017 | 138 | 94 |
| Winter Wren | 4/3-29 | 4/4-4 | 18 | 8 | 512 | 55 | 16 |
| Marsh Wren | | | | | 32 | 4 | 1 |
| Brown Creeper | 4/3-26 | 4/4-17 | 60 | 46 | 892 | 99 | 28 |
| White-breasted Nuthatch | | | | | 13 | 2 | <1 |
| Red-breasted Nuthatch | 4/20-5/6 | 5/6-3 | 11 | 2 | 209 | 41 | 7 |
| Black-capped Chickadee | 4/6 | | 2 | 0 | 54 | 7 | 2 |
| Golden-crowned Kinglet | 4/3-16 | 4/3-23 | 74 | 122 | 1976 | 294 | 62 |
| Ruby-crowned Kinglet | 4/3-5/18 | 5/1-23 | 236 | 137 | 6839 | 398 | 214 |
| Blue-gray Gnatcatcher | 4/7-5/22 | 5/1-4 | 18 | 45 | 1520 | 130 | 48 |
| Wood Thrush | 5/6-20 | 5/6-4 | 11 | 11 | 902 | 59 | 28 |
| Veery | 5/5-22 | 5/11-7 | 39 | 35 | 2437 | 127 | 76 |
| Gray-cheeked Thrush | 5/8-22 | 5/19-4 | 10 | 21 | 1184 | 116 | 37 |
| Swainson's Thrush | 5/11 | 5/19-37 | 108 | 159 | 7800 | 476 | 244 |
| Hermit Thrush | 4/3-5/11 | 5/1-21 | 211 | 91 | 4458 | 262 | 139 |
| American Robin | 4/3 | 4/3-3 | 32 | 13 | 688 | 37 | 22 |
| Eastern Bluebird | | | | 1 | 16 | 2 | <1 |
| TOTAL | | | 4,594 | 5,783 | 245,227 | 10,360 | 7,663 |