

**Black Swamp Bird Observatory  
Navarre Banding Station  
Fall 2023 Passerine Migration Monitoring  
Latitude 413 Longitude 0830**

The 34th fall season began daily 15 August at our primary passerine banding station.

This site is a barrier beach ridge along the southwest shore of Lake Erie. Operations are conducted daily weather permitting from mid-August to mid-October. Twenty-three nets are run from ½ hour before sunrise to at least 11:00 AM. 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.

Fall 2020 was not operated due to Covid-19.

**Fall 2023 – Navarre - New Bandings only**

<b>Date</b>	<b>Number Banded 2023</b>	<b>Cumulative Banded 2023</b>	<b>Birds/Net Hour</b>	<b>Same Date 2022</b>
8-14	34	34	0.31	0
8-15	37	71	0.32	50
8-16	37	108	0.35	75
8-17	27	135	0.25	91
8-18	23	158	0.21	111
8-19	34	192	0.31	147
8-20	38	230	0.34	173
8-21	19	249	0.17	173
8-22	25	274	0.24	202
8-23	16	290	0.14	233
8-24	RAIN	290		262
8-25	29	319	0.26	282
8-26	29	348	0.26	291
8-27	40	388	0.37	312
8-28	23	411	0.20	324
8-29	22	433	0.20	324
8-30	42	475	0.39	324
8-31	47	522	0.39	364
9-01	29	551	0.25	451
9-02	28	579	0.26	509
9-03	18	597	0.17	546
9-04	25	622	0.24	559
9-05	38	660	0.34	598
9-06	19	679	0.19	638
9-07	25	704	0.24	671
9-08	36	740	0.33	718
9-09	41	781	0.39	774
9-10	45	826	0.41	805
9-11	28	854	0.25	853
9-12	18	872	0.29	890
9-13	37	909	0.34	930
9-14	33	942	0.31	1004
9-15	27	969	0.25	1066

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9-16	34	1003	0.32	1128
9-17	61	1064	0.55	1179
9-18	69	1133	0.61	1235
9-19	85	1218	0.71	1235
9-20	63	1281	0.60	1292
9-21	60	1341	0.52	1334
9-22	40	1381	0.39	1405
9-23				1493
9-24				1560
9-25				1560
9-26				1642
9-27				<b>1745</b>
9-28				1819
9-29				1897
9-30				1973
10-01				2027
10-02				2045
10-03				<b>2221</b>
10-04				<b>2353</b>
10-05				2446
10-06				2535
10-07				2595
10-08				<b>2753</b>
10-09				2848
10-10				<b>3037</b>
10-11				<b>3181</b>
10-12				3258
10-13				3333
10-14				<b>3498</b>
10-15				3562
10-16				3654
10-17				3654
10-18				<b>3757</b>
10-19				3757
10-20				<b>3910</b>
10-21				3996
10-22				4050
10-23				4133
10-24				4230
10-25				<b>4373</b>
10-26				4373
10-27				<b>4571</b>
10-28				<b>4678</b>
10-29				4767
10-30				4779

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10-31				4806
11-01				4820
11-02				4864

Species summary, for the Navarre banding station, fall 2023. Includes first/last capture, peak capture, 2023 new banded total, and the 2022 total for the species.

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.

**Bird Movement:**

**Updated last: Sept 22**

<b>Species</b>	<b>First /Last Capture</b>	<b>Peak Capture</b>	<b>2023 Total</b>	<b>2022 Total</b>	<b>1990 - 2023</b>		
					<b>Total</b>	<b>High</b>	<b>Avg</b>
Wood Duck					1	1	<1
Green Heron					4	2	<1
American Woodcock	8/30		1	14	59	14	2
Mourning Dove					33	7	1
Sharp-shinned Hawk					18	2	<1
Cooper's Hawk				1	6	1	<1
Broad-winged Hawk				1	1	1	<1
Red-tailed Hawk				1	5	1	<1
Northern Saw-whet Owl				2	4	2	<1
Eastern Screech-Owl	8/23		2	3	23	4	<1
Yellow-billed Cuckoo	9/8		1	3	125	13	4
Black-billed Cuckoo				2	9	2	<1
Belted Kingfisher					4	2	<1
Hairy Woodpecker	8/14		1	2	24	5	<1
Downy Woodpecker	8/15	9/1-2	8	28	713	41	22
Yellow-bellied Sapsucker				7	169	19	5
Red-head Woodpecker					4	2	<1
Red-bellied Woodpecker				2	21	3	<1
Yellow-shafted Flicker	8/14		4	8	269	19	8
Whip-poor-will				1	2	1	<1
Ruby-throated Hummingbird	8/14-9/19	9/8-3	26	18	405	58	12
Eastern Kingbird	8/21-23		3	3	65	18	2
Great Crested Flycatcher					40	9	1

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Species	First /Last Capture	Peak Capture	2023 Total	2022 Total	1990 - 2023		
					Total	High	Avg
Eastern Phoebe	8/16	8/16-2	4	17	727	54	22
Olive-sided Flycatcher					8	2	<1
Eastern Wood-Pewee	8/31-9/19		4	8	477	26	14
Yellow-bellied Flycatcher	8/14-9/22	8/19-3	25	32	697	43	21
Acadian Flycatcher					19	2	<1
Traill's Flycatcher	8/15-9/8	8/15-3	8	5	187	18	6
Least Flycatcher	8/19-9/8		3	3	220	15	7
Blue Jay	8/15		2	6	156	19	5
European Starling					5	5	<1
Brown-headed Cowbird					23	20	<1
Red-winged Blackbird	8/21		2	18	900	134	27
Orchard Oriole					14	8	<1
Baltimore Oriole	8/14-30	8/14-3	6	2	643	86	19
Rusty Blackbird				5	334	47	10
Common Grackle	8/21		2	76	1482	116	45
Purple Finch				9	361	79	11
House Finch				5	429	148	13
American Goldfinch				7	584	191	18
Pine Siskin					4	2	<1
Savanna Sparrow					4	1	<1
Grasshopper Sparrow					1	1	<1
Nelson's Sparrow					3	1	<1
White-crowned Sparrow				10	299	27	9
Gambel's White-crowned Sparrow					4	2	<1
White-throated Sparrow	9/14	9/18-3	7	582	11213	1119	340
American Tree Sparrow				1	30	8	<1
Chipping Sparrow	9/9		1	0	36	6	1
Field Sparrow					78	7	3
Slate-colored Junco				85	958	85	29
Song Sparrow	8/16	8/19-2	6	39	1669	140	51
Lincoln Sparrow	9/19		2	6	352	42	11
Swamp Sparrow	9/21		1	54	2024	239	61
Fox Sparrow				25	424	43	13
Eastern Towhee				3	34	4	1
Northern Cardinal	8/14	8/14-2	13	41	1467	75	44
Rose-breasted Grosbeak	9/13-18		2	8	256	28	8
Indigo Bunting				3	341	58	10
Dickcissel					1	1	<1
Scarlet Tanager	9/15		1	0	53	6	2
Purple Martin					1	1	<1
Barn Swallow					14	8	<1
Tree Swallow					5	4	<1
Cedar Waxwing	8/18		1	14	697	78	21
Northern Shrike					1	1	<1
Red-eyed Vireo	8/21-9/22	9/4-4	37	45	2092	114	63
Philadelphia Vireo	9/5-20	9/20-2	6	15	435	24	13
Warbling Vireo	8/15	8/15-3	15	3	1371	132	42

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Yellow-throated Vireo	9/9		1	0	21	3	<1
Blue-headed Vireo				19	341	28	10
White-eyed Vireo					33	4	1
Black-and-white Warbler	8/14-9/21	8/20-2	18	19	740	45	22
Prothonotary Warbler	8/14-9/5	8/14-8	36	13	324	36	10
Worm-eating Warbler					2	1	<1
Blue-winged Warbler					17	2	<1
Brewster's Warbler					2	1	<1
Golden-winged Warbler	9/18		1	0	26	3	<1
Nashville Warbler	8/27-9/21	8/31-3	14	22	1184	87	36
Orange-crowned Warbler	9/22		1	9	143	13	4
Tennessee Warbler	8/15-9/22	8/31-5	36	42	2466	232	75
Northern Parula	9/18-21	9/19-2	4	6	86	9	3
Cape May Warbler	8/15-9/19	8/30-15	58	25	2890	428	88
Yellow Warbler	8/15-9/17	8/18-4	17	3	1756	207	53
Black-throated Blue Warbler	8/29	9/18-5	25	113	1569	113	48
Myrtle Warbler	8/31		2	322	9367	1658	284
Audubon's Warbler					1	1	<1
Magnolia Warbler	8/18-9/21	9/19-10	83	90	4783	266	145
Cerulean Warbler					1	1	<1
Chestnut-sided Warbler	8/22-9/19	8/25-2	14	7	555	38	17
Bay-breasted Warbler	8/14-9/22	9/20-4	38	65	1237	132	37
Blackpoll Warbler	8/30	9/20-13	82	375	17793	1464	539
Blackburnian Warbler	8/15-9/21	8/30-3	8	5	162	11	5
Black-throated Green Warbler	8/19		1	9	378	30	11
Pine Warbler					19	4	<1
Western Palm Warbler				1	291	54	9
Yellow Palm Warbler					6	6	<1
Prairie Warbler					2	1	<1
Ovenbird	8/26-9/22	9/20-6	33	71	2395	130	73
Northern Waterthrush	8/14-9/20	8/14-2	19	25	961	59	29
Kentucky Warbler					3	1	<1
Connecticut Warbler	9/17-18		2	10	250	20	8
Mourning Warbler	8/22-9/20	9/19-2	12	13	352	20	11
Common Yellowthroat	8/15	8/20-4	48	61	4846	458	147
Yellow-breasted Chat				1	25	4	<1
Hooded Warbler					9	1	<1
Wilson's Warbler	8/30-9/19	9/17-3	8	3	614	62	19
Canada Warbler	8/14-9/2	8/27-3	10	7	282	17	9
American Redstart	8/22-9/20	9/18-11	44	59	2440	158	74
Gray Catbird	8/14	8/17-16	259	323	9294	452	282
Brown Thrasher	8/14-9/18		4	5	172	13	5
Carolina Wren	8/16		5	11	417	30	13
House Wren	8/14	9/19-5	21	44	1962	153	59
Winter Wren	9/20		2	56	1964	158	60
Marsh Wren				2	83	9	3
Brown Creeper				81	1847	119	56

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White-breasted Nuthatch	8/19		2	7	50	7	2
Red-breasted Nuthatch				30	393	91	12
Tufted Titmouse					86	12	3
Black-capped Chickadee	8/31	8/31-2	2	6	175	13	5
Golden-crowned Kinglet				413	8280	787	251
Ruby-crowned Kinglet	9/18		1	223	6487	627	197
Wood Thrush	9/20		1	6	208	14	6
Veery	8/19-9/21	8/27-3	25	18	668	40	20
Gray-cheeked Thrush	9/9	9/19-13	61	123	5671	344	172
Bicknell's Thrush					2	1	<1
Swainson's Thrush	8/26	9/10-24	187	398	15509	895	470
Hermit Thrush				274	5927	361	180
American Robin	8/15		3	222	2355	222	71
<b>TOTAL</b>			1,381	4,864	<b>153,041</b>	<b>7,232</b>	<b>4,638</b>