

**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

Date	Number Banded 2023	Cumulative Banded 2023	Birds/Net Hour	Same Date 2022
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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Date	Number Banded 2023	Cumulative Banded 2023	Birds/Net Hour	Same Date 2022
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	17	1398	0.16	1493
9-24	28	1426	0.27	1560
9-25	RAIN	1426		1560
9-26	81	1507	0.72	1642
9-27	29	1536	0.31	1745
9-28	38	1574	0.34	1819
9-29	45	1619	0.40	1897
9-30	32	1651	0.33	1973
10-01	44	1695	0.44	2027
10-02	38	1733	0.39	2045
10-03	50	1783	0.45	2221
10-04	53	1836	0.45	2353
10-05	80	1916	0.78	2446
10-06	86	2002	0.74	2535
10-07	67	2069	0.67	2595
10-08	71	2140	0.66	2753
10-09	96	2236	0.83	2848
10-10	78	2314	0.70	3037
10-11	63	2377	0.58	3181
10-12	1	2378	0.12	3258
10-13	329	2707	3.30	3333
10-14	RAIN	2707		3498
10-15	347	3054	3.55	3562
10-16	340	3394	6.67	3654
10-17	262	3656	2.14	3654
10-18	122	3778	1.23	3757
10-19	68	3846	0.64	3757
10-20	82	3928	0.78	3910
10-21	109	4037	1.24	3996
10-22	113	4150	1.09	4050
10-23	81	4231	0.76	4133
10-24	34	4265	0.32	4230
10-25	20	4285	0.19	4373
10-26	19	4304	0.17	4373
10-27	20	4324	0.20	4571
10-28	23	4347	0.23	4678
10-29	Rain	4347		4767
10-30	46	4393	0.67	4779

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Date	Number Banded 2023	Cumulative Banded 2023	Birds/Net Hour	Same Date 2022
10-31	RAIN	4393		4806
11-01	COLD	4393		4820
11-02	COLD	4393		4864
11-03	39	4432	0.43	4864
11-04	32	4464	0.52	4864
11-05	41	4505	0.49	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: Nov 5

Species	First /Last Capture	Peak Capture	2023 Total	2022 Total	1990 - 2023		
					Total	- High	- Avg
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	10/26		1	1	6	1	<1
Broad-winged Hawk				1	1	1	<1
Red-tailed Hawk				1	5	1	<1
Northern Saw-whet Owl	10/19-23		2	2	4	2	<1
Eastern Screech-Owl	8/23		2	3	23	4	<1
Yellow-billed Cuckoo	9/8-10/3		3	3	125	13	4
Black-billed Cuckoo				2	9	2	<1
Belted Kingfisher					4	2	<1
Hairy Woodpecker	8/14-10/16		3	2	24	5	<1
Downy Woodpecker	8/15	9/1-2	16	28	713	41	22
Yellow-bellied Sapsucker	10/7-21	10/7-2	5	7	169	19	5
Red-head Woodpecker					4	2	<1
Red-bellied Woodpecker	10/20		1	2	21	3	<1
Yellow-shafted Flicker	8/14-10/17	10/17-3	12	8	269	19	8
Whip-poor-will				1	2	1	<1

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Species	First /Last Capture	Peak Capture	2023 Total	2022 Total	1990 - 2023		
					Total	High	Avg
Ruby-throated Hummingbird	8/14-9/24	9/8-3	28	18	405	58	12
Eastern Kingbird	8/21-23		3	3	65	18	2
Great Crested Flycatcher					40	9	1
Eastern Phoebe	8/16-11/5	10/16-3	14	17	727	54	22
Olive-sided Flycatcher					8	2	<1
Eastern Wood-Pewee	8/31-10/11		6	8	477	26	14
Yellow-bellied Flycatcher	8/14-10/5	8/19-3	27	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	8/15-10/7		3	6	156	19	5
European Starling					5	5	<1
Brown-headed Cowbird					23	20	<1
Red-winged Blackbird	8/21-11/5	9/26-7	28	18	900	134	27
Orchard Oriole					14	8	<1
Baltimore Oriole	8/14-30	8/14-3	6	2	643	86	19
Rusty Blackbird	10/10-27	10/19-7	17	5	334	47	10
Common Grackle	8/21-10/28	9/26-5	32	76	1482	116	45
Purple Finch	10/20		1	9	361	79	11
House Finch	9/30-10/11		3	5	429	148	13
American Goldfinch	10/4-11/5	10/4-3	6	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	10/4-26		7	10	299	27	9
Gambel's White-crowned Sparrow					4	2	<1
White-throated Sparrow	9/14-11/5	10/17-77	448	582	11213	1119	340
American Tree Sparrow				1	30	8	<1
Chipping Sparrow	9/9		1	0	36	6	1
Field Sparrow	10/17		1	0	78	7	3
Slate-colored Junco	10/6-11/4	10/13-8	63	85	958	85	29
Song Sparrow	8/16	10/17-4	45	39	1669	140	51
Lincoln Sparrow	9/19-11/3		6	6	352	42	11
Swamp Sparrow	9/21	11/4-7	51	54	2024	239	61
Fox Sparrow	10/9-11/4	10/17-3	10	25	424	43	13
Eastern Towhee	10/17		1	3	34	4	1
Northern Cardinal	8/14	8/14-2	32	41	1467	75	44
Rose-breasted Grosbeak	9/13-10/5		5	8	256	28	8
Indigo Bunting	10/6-9		2	3	341	58	10
Dickcissel					1	1	<1
Scarlet Tanager	9/15-23		2	0	53	6	2
Purple Martin					1	1	<1
Barn Swallow					14	8	<1
Tree Swallow					5	4	<1
Cedar Waxwing	8/18-10/16		3	14	697	78	21
Northern Shrike	11/4		1	0	1	1	<1

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					Total	High	Avg
Red-eyed Vireo	8/21-10/17	9/4-4	46	45	2092	114	63
Philadelphia Vireo	9/5-10/7	9/28-3	18	15	435	24	13
Warbling Vireo	8/15	8/15-3	15	3	1371	132	42
Yellow-throated Vireo	9/9		1	0	21	3	<1
Blue-headed Vireo	10/15-30	10/15-2	8	19	341	28	10
White-eyed Vireo	9/29-10/6		2	0	33	4	1
Black-and-white Warbler	8/14-10/1	8/20-2	21	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	9/18-10/5		2	0	26	3	<1
Nashville Warbler	8/27-10/21	8/31-3	27	22	1184	87	36
Orange-crowned Warbler	9/22-10/9		2	9	143	13	4
Tennessee Warbler	8/15-10/16	10/5-8	63	42	2466	232	75
Northern Parula	9/18-10/10	9/19-2	9	6	86	9	3
Cape May Warbler	8/15-10/7	8/30-15	61	25	2890	428	88
Yellow Warbler	8/15-9/17	8/18-4	17	3	1756	207	53
Black-throated Blue Warbler	8/29-10/21	9/18-5	44	113	1569	113	48
Myrtle Warbler	8/31-11/5	10/10-19	110	322	9367	1658	284
Audubon's Warbler					1	1	<1
Magnolia Warbler	8/18-10/21	9/19-10	123	90	4783	266	145
Cerulean Warbler					1	1	<1
Chestnut-sided Warbler	8/22-11/3	8/25-2	19	7	555	38	17
Bay-breasted Warbler	8/14-10/8	10/5-18	94	65	1237	132	37
Blackpoll Warbler	8/30-10/22	9/20-13	154	375	17793	1464	539
Blackburnian Warbler	8/15-10/8	8/30-3	9	5	162	11	5
Black-throated Green Warbler	8/19-10/27	10/5-2	7	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	8/26-10/16	9/20-6	57	71	2395	130	73
Northern Waterthrush	8/14-10/6	8/14-2	24	25	961	59	29
Kentucky Warbler					3	1	<1
Connecticut Warbler	9/17-10/4		4	10	250	20	8
Mourning Warbler	8/22-9/26	9/19-2	13	13	352	20	11
Common Yellowthroat	8/15-10/19	8/20-4	69	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	8/14-9/24	8/27-3	11	7	282	17	9
American Redstart	8/22-10/10	9/18-11	72	59	2440	158	74
Gray Catbird	8/14-10/30	8/17-16	300	323	9294	452	282
Brown Thrasher	8/14-10/30		7	5	172	13	5
Carolina Wren	8/16		9	11	417	30	13
House Wren	8/14-10/22	9/19-5	34	44	1962	153	59

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Winter Wren	9/20-11/3	10/9-7	47	56	1964	158	60
Marsh Wren	10/13-22		3	2	83	9	3
Brown Creeper	9/30-11/4	10/13-13	87	81	1847	119	56
White-breasted Nuthatch	8/19		4	7	50	7	2
Red-breasted Nuthatch	10/16		1	30	393	91	12
Tufted Titmouse					86	12	3
Black-capped Chickadee	8/31	8/31-2	3	6	175	13	5
Golden-crowned Kinglet	10/4-11/5	10/13-159	643	413	8280	787	251
Ruby-crowned Kinglet	9/18-11/4	10/16-136	570	223	6487	627	197
Wood Thrush	9/20-10/3	8/26-2	6	6	208	14	6
Veery	8/19-9/30	8/27-3	27	18	668	40	20
Gray-cheeked Thrush	9/9-10/15	9/19-13	131	123	5671	344	172
Bicknell's Thrush					2	1	<1
Swainson's Thrush	8/26-10/25	9/10-24	313	398	15509	895	470
Hermit Thrush	10/2-11/3	10/17-30	146	274	5927	361	180
American Robin	8/15-11/5	10/18-16	111	222	2355	222	71
TOTAL			4,505	4,864	153,041	7,232	4,638