

**Black Swamp Bird Observatory
Navarre Banding Station
Fall 2021 Passerine Migration Monitoring
Latitude 413 Longitude 0830**

The 32nd fall season began daily 17 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 2021 – Navarre - New Bandings only

Date	Number Banded 2021	Cumulative Banded 2021	Birds/Net Hour	Same Date 2019
8-12				121
8-13				163
8-14				193
8-15				223
8-16				241
8-17	58		.53	263
8-18	26	84	.23	272
8-19	38	122	.35	295
8-20	62	184	.56	316
8-21	40	224	.34	340
8-22	29	253	.25	354
8-23	41	294	.38	376
8-24	38	332	.37	386
8-25	4 - RAIN	336	.23	397
8-26	RAIN	336		415
8-27	49	385	.43	415
8-28	53	438	.49	441
8-29	25	463	.23	460
8-30	47	510	.42	504
8-31	32	542	.30	530
9-01	RAIN	542		542
9-02	61	603	.59	558
9-03	36	639	.35	615
9-04	32	671	.29	652
9-05	41	712	.37	691
9-06	130	842	1.15	724
9-07	138	980	1.24	753
9-08	133	1113	1.20	799
9-09	122	1235	1.06	837
9-10	108	1343	1.03	866
9-11	102	1445	.92	902
9-12	103	1548	1.01	923
9-13	195	1743	1.56	955

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Date	Number Banded 2021	Cumulative Banded 2021	Birds/Net Hour	Same Date 2019
9-14	73	1816	.63	994
9-15	210	2026	2.07	1066
9-16	114	2140	1.06	1106
9-17	83	2223	.80	1133
9-18	56	2279	.54	1159
9-19	72	2351	.70	1191
9-20	82	2433	.82	1254
9-21	39	2472	.47	1319
9-22	RAIN	2472		1415
9-23	RAIN	2472		1483
9-24	323	2795	3.37	1605
9-25	135	2930	2.82	1683
9-26	358	3288	2.92	1744
9-27	140	3428	1.78	1848
9-28	125	3553	1.17	1895
9-29	122	3675	1.18	1975
9-30	99	3774	.93	1984
10-01	94	3868	.91	2119
10-02	107	3975	.95	2230
10-03	72	4047	.70	2301
10-04	67	4114	.65	2404
10-05	35	4149	.33	2518
10-06	30	4179	.31	2603
10-07	84	4263	.91	2662
10-08	110	4373	.91	2739
10-09	126	4499	1.37	2786
10-10	87	4586	.91	2818
10-11	134	4720	1.17	2847
10-12	103	4823	1.00	2920
10-13	97	4920	.91	2959
10-14	72	4992	.74	2995
10-15	RAIN	4992		3073
10-16	128	5120	1.15	3116
10-17	137	5257	1.49	3149
10-18	120	5377	1.23	3266
10-19	68	5455	.75	3338
10-20	58	5503	.62	3396
10-21	RAIN	5503		3440
10-22	126	5629	1.11	3440
10-23	133	5762	1.33	3440
10-24	98	5860	1.11	3550
10-25				3676
10-26				3694
10-27				3694
10-28				3752

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Date	Number Banded 2021	Cumulative Banded 2021	Birds/Net Hour	Same Date 2019
10-29				3778
10-30				3800

Species summary, for the Navarre banding station, fall 2021. Includes first/last capture, peak capture, 2021 new banded total, and the 2019 total for the species.

Last date is only included if the species main migration has passed through the region. 2021 totals bold if surpassed year 2019 totals, blue if surpassed average, and red if record year.

Bird Movement:

Updated last: October 24

Species	First /Last Capture	Peak Capture	2021 Total	2019 Total	1990 - 2019		
					Total	High	Avg
Wood Duck					1	1	<1
Green Heron					4	2	<1
American Woodcock	9/5-13		2	1	43	7	1
Mourning Dove					33	7	1
Sharp-shinned Hawk					18	2	<1
Cooper's Hawk					5	1	<1
Red-tailed Hawk					4	1	<1
Northern Saw-whet Owl					2	1	<1
Eastern Screech-Owl	8/18		4	3	16	4	<1
Yellow-billed Cuckoo	9/13-10/12		3		119	13	4
Black-billed Cuckoo					7	1	<1
Belted Kingfisher					4	2	<1
Hairy Woodpecker	8/30-9/30		3	3	19	5	<1
Downy Woodpecker	8/19	8/21-2	19	16	665	41	22
Yellow-bellied Sapsucker	9/30-10/17		3	15	159	19	5
Red-head Woodpecker					4	2	<1
Red-bellied Woodpecker	8/20		2		17	3	<1
Yellow-shafted Flicker	9/2	9/29-2	13	17	248	19	8
Whip-poor-will					1	1	<1
Ruby-throated Hummingbird	8/19-9/20	9/14-2	10	25	377	58	13
Eastern Kingbird				3	62	18	2
Great Crested Flycatcher	9/3	9/3-2	2		38	9	1
Eastern Phoebe	8/19-10/16	8/19-2	18	22	692	54	23
Olive-sided Flycatcher				2	8	2	<1

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Species	First /Last Capture	Peak Capture	2021 Total	2019 Total	1990 - 2019		
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Eastern Wood-Pewee	8/27-9/27		10	26	459	26	15
Yellow-bellied Flycatcher	8/17-10/8	9/2-8	30	27	634	43	21
Acadian Flycatcher					19	2	<1
Traill's Flycatcher	8/30-9/24	8/30-2	4	6	179	18	6
Least Flycatcher	8/22-9/11		2	4	214	15	7
Blue Jay	9/27		1	4	149	19	5
European Starling					5	5	<1
Brown-headed Cowbird	9/26	9/26-20	21	3	3	3	<1
Red-winged Blackbird	8/29	10/7-15	34	26	847	134	28
Orchard Oriole					14	8	<1
Baltimore Oriole	8/19-9/6	8/20-4	19	20	622	86	21
Rusty Blackbird	10/2-23		3	10	326	47	11
Common Grackle	8/17-10/24	10/7-12	39	74	1367	116	46
Purple Finch	9/30-10/2	9/30-4	5		347	79	12
House Finch	10/1-22		4	5	420	148	14
American Goldfinch	8/29-10/18		5	8	571	191	19
Pine Siskin					4	2	<1
Savanna Sparrow					4	1	<1
Grasshopper Sparrow					1	1	<1
Nelson's Sparrow					3	1	<1
White-crowned Sparrow	10/7-9	10/7-2	3	2	286	27	10
Gambel's White-crowned Sparrow					4	2	<1
White-throated Sparrow	9/19	10/18-26	323	310	10290	1119	343
American Tree Sparrow					29	8	<1
Chipping Sparrow	10/6-22	10/16-3	6	1	30	4	1
Field Sparrow	10/1-17		2	1	76	7	2
Slate-colored Junco	9/29-10/24	10/18-6	16	12	850	78	28
Song Sparrow	8/17	10/18-8	55	40	1571	140	52
Lincoln Sparrow	10/7-18	10/17-2	6	3	341	42	11
Swamp Sparrow	9/30	10/18-14	73	27	1893	239	63
Fox Sparrow	10/19	10/22-4	6	3	390	43	13
Eastern Towhee				2	31	4	1
Northern Cardinal	8/17	8/17-5	46	28	1377	75	46
Rose-breasted Grosbeak	8/21-9/27		5	5	243	28	8
Indigo Bunting	9/24		1	2	337	58	11
Dickcissel					1	1	<1
Scarlet Tanager	9/8		1	1	52	6	2
Purple Martin					1	1	<1
Barn Swallow					14	8	<1
Tree Swallow					5	4	<1
Cedar Waxwing	8/21-10/17	10/3-3	9	39	674	78	22
Northern Shrike					1	1	<1
Red-eyed Vireo	8/22-10/8	8/27-10	114	87	1933	103	64
Philadelphia Vireo	9/8-10/17	9/24-6	18	11	402	24	13
Warbling Vireo	8/17-10/3	8/17-5	28	18	1340	132	45
Yellow-throated Vireo				1	21	3	<1
Blue-headed Vireo	9/11-10/9		9	7	313	28	10

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White-eyed Vireo				3	33	4	1
Black-and-white Warbler	8/19-10/1	9/6-3	28	33	693	45	23
Prothonotary Warbler	8/17-9/2	8/20-7	30	36	281	36	8
Worm-eating Warbler					2	1	<1
Blue-winged Warbler	8/23		1		16	2	<1
Brewster's Warbler					2	1	<1
Golden-winged Warbler				1	26	3	<1
Nashville Warbler	8/20-10/18	9/26-6	36	18	1125	87	38
Orange-crowned Warbler	9/28		1	1	133	13	5
Tennessee Warbler	8/23-10/17	9/26-36	198	62	2226	232	75
Northern Parula	9/6-10/13	9/25-3	9	3	71	8	2
Cape May Warbler	8/30-10/16	9/24-23	98	15	2766	428	95
Yellow Warbler	8/20	8/20-5	5	32	1748	207	59
Black-throated Blue Warbler	8/20-10/16	9/2-8	78	51	1378	92	46
Myrtle Warbler	9/7-10/24	10/11-32	179	130	8865	1658	301
Audubon's Warbler					1	1	<1
Magnolia Warbler	8/19-10/19	9/24-16	165	93	4528	266	153
Cerulean Warbler					1	1	<1
Chestnut-sided Warbler	8/22-9/27	8/23-4	17	11	531	38	18
Bay-breasted Warbler	8/23-10/16	9/24-18	131	88	1040	129	33
Blackpoll Warbler	9/5-10/17	9/26-181	948	255	16436	1464	558
Blackburnian Warbler	9/4-10/3	9/25-2	10	4	147	11	5
Black-throated Green Warbler	9/14-10/16	9/15-2	8	11	361	30	12
Pine Warbler	9/13-10/17		2		17	4	<1
Western Palm Warbler				2	289	54	10
Yellow Palm Warbler					6	6	<1
Prairie Warbler					2	1	<1
Ovenbird	8/23-10/10	8/23-6	101	58	2223	130	75
Northern Waterthrush	8/19-10/22	8/20-3	43	41	894	59	29
Kentucky Warbler					3	1	<1
Connecticut Warbler	9/5-10/3	9/5-3	11	4	233	20	8
Mourning Warbler	8/21-9/20	9/17-3	8	7	326	20	11
Common Yellowthroat	8/17-10/23	9/10-10	118	92	4667	458	158
Yellow-breasted Chat	9/24		1		23	4	<1
Hooded Warbler	9/16		1		8	1	<1
Wilson's Warbler	8/30-10/10	9/2-2	10	12	602	62	20
Canada Warbler	8/17-9/21	8/23-2	11	8	264	17	9
American Redstart	8/23-10/17	9/6-16	93	85	2287	158	76
Gray Catbird	8/17-10/18	8/28-27	432	320	8539	452	283
Brown Thrasher	8/17-10/4		6	2	161	13	5
Carolina Wren	8/18	8/19-3	14	4	392	30	13
House Wren	8/17-10/17	9/2-8	68	68	1850	153	61
Winter Wren	9/26-10/24	9/30-5	43	94	1862	158	61
Marsh Wren	8/20		1	4	80	9	3
Brown Creeper	9/27-10/24	9/29-6	56	28	1706	119	58
White-breasted Nuthatch	9/7		4	1	39	5	1
Red-breasted Nuthatch	9/26-10/17	9/26-2	7		356	91	12

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Tufted Titmouse	9/3-10/12		2		83	12	3
Black-capped Chickadee	8/19	8/21-2	9	6	160	13	5
Golden-crowned Kinglet	9/26	10/24-48	380	196	7463	787	249
Ruby-crowned Kinglet	9/27	10/17-14	140	134	6133	627	204
Wood Thrush	9/10-10/16		7	11	194	14	6
Veery	8/23-9/27	9/2-4	28	18	622	40	21
Gray-cheeked Thrush	9/6-10/13	9/13-17	173	183	5375	344	179
Bicknell's Thrush					2	1	<1
Swainson's Thrush	8/23-10/14	9/13-91	801	393	14310	895	477
Hermit Thrush	9/5	10/18-21	149	135	5505	361	184
American Robin	8/17	10/23-26	189	128	1936	138	64
TOTAL			5,860	3,800	142,239	7,232	4,741