

**Black Swamp Bird Observatory
Navarre Banding Station
Fall 2016 Passerine Migration Monitoring
Latitude 413 Longitude 0830**

The 27th 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-six 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 2016 – Navarre - New Bandings only

Date	Number Banded 2016	Cumulative Banded 2016	Birds/Net Hour	Same Date 2015
7-04	49		0.50	
7-15		49		83
8-01		49		149
8-15	35	84	0.33	149
8-16		84		149
8-17	41	125	0.38	208
8-18	20	145	0.19	214
8-19	22	167	0.21	239
8-20	25	192	0.24	254
8-21	RAIN	192		265
8-22	38	230	0.36	287
8-23	30	260	0.29	306
8-24	24	284	0.22	329
8-25	14	298	0.13	344
8-26	23	321	0.21	358
8-27	32	353	0.29	374
8-28	17	370	0.17	397
8-29	15	385	0.14	417
8-30	29	414	0.27	424
8-31	RAIN	414		447
9-01	31	445	0.28	481
9-02	35	480	0.33	509
9-03	26	506	0.25	561
9-04	30	536	0.28	611
9-05	40	576	0.37	611
9-06	39	615	0.36	673
9-07	26	641	0.24	722
9-08	43	684	0.42	798
9-09	53	737	0.46	853
9-10	77	814	0.72	915
9-11	89	903	0.72	995
9-12	102	1005	0.74	1067
9-13	80	1085	0.58	1164
9-14	28	1113	0.26	1247

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Date	Number Banded 2016	Cumulative Banded 2016	Birds/Net Hour	Same Date 2015
9-15	98	1211	0.71	1332
9-16	64	1275	0.60	1403
9-17	RAIN	1275		1452
9-18	107	1382	0.93	1534
9-19	57	1439	0.50	1534
9-20	118	1557	1.03	1632
9-21	86	1643	0.79	1686
9-22	76	1719	0.70	1724
9-23	185	1904	1.40	1755
9-24	113	2017	0.94	1786
9-25	115	2132	1.00	1821
9-26	RAIN	2132		1860
9-27	235	2367	1.70	1926
9-28	48	2415	1.20	2033
9-29	RAIN	2415		2231
9-30	148	2563	1.14	2358
10-01	72	2635	0.63	2429
10-02	114	2749	0.99	2474
10-03	53	2802	0.46	2474
10-04	35	2837	0.34	2558
10-05	41	2878	0.36	2647
10-06	75	2953	0.73	2697
10-07	51	3004	0.50	2950
10-08	146	3150	1.22	3069
10-09	82	3232	0.71	3178
10-10	176	3408	1.28	3362
10-11	59	3467	0.57	3439
10-12	59	3526	0.51	3511
10-13	79	3605	0.57	3648
10-14	94	3699	0.91	3763
10-15	29	3728	0.28	3850
10-16	20	3748	0.19	3966
10-17	16	3764	0.16	4052
10-18	15	3779	0.22	4131
10-19	95	3874	0.89	4203
10-20	RAIN	3874		4221
10-21	RAIN	3874		4260
10-22	102	3976	0.94	4299
10-23	54	4030	0.50	4403
10-24	56	4086	0.57	4424
10-25	35	4121	0.37	4498
10-26	19	4140	0.28	4498
10-27	22	4162	0.23	4498
10-28	26	4188	0.27	4498
10-29	23	4211	0.23	4498

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Date	Number Banded 2016	Cumulative Banded 2016	Birds/Net Hour	Same Date 2015
10-30	RAIN	4211		4498
10-31	64	4275	0.56	4559

Species summary, for the Navarre banding station, fall 2016. Includes first/last capture, peak capture, 2016 new banded total, and the 2015 total for the species.

Last date is only included if the species main migration has passed through the region. 2016 totals bold if surpassed year 2015 totals, blue if surpassed average, and red if record year.

Bird Movement:

Updated last: 1 November

Species	First /Last Capture	Peak Capture	2016 Total	2015 Total	1990 - 2015		
					Total	High	Avg
Wood Duck				1	1	1	<1
Green Heron	8/23		1	1	1	1	<1
American Woodcock	9/8		1	0	41	7	2
Mourning Dove					33	7	1
Sharp-shinned Hawk	10/25		1	2	16	2	<1
Cooper's Hawk					4	1	<1
Red-tailed Hawk					4	1	<1
Northern Saw-whet Owl	10/27		1	1	1	1	<1
Eastern Screech-Owl	10/5-17		2	1	6	2	<1
Yellow-billed Cuckoo	7/4		1	1	112	13	4
Black-billed Cuckoo					7	1	<1
Belted Kingfisher					4	2	<1
Hairy Woodpecker	9/1-10/5		2	2	8	2	<1
Downy Woodpecker	7/4	7/4-3	35	33	575	41	22
Yellow-bellied Sapsucker				4	135	19	5
Red-head Woodpecker					4	2	<1
Red-bellied Woodpecker	10/22		1	0	11	2	<1
Yellow-shafted Flicker	9/8-10/14		3	12	202	18	8
Whip-poor-will					1	1	<1
Ruby-throated Hummingbird	8/28-9/11		2	33	326	58	13
Eastern Kingbird					56	18	2
Great Crested Flycatcher				1	36	9	1
Eastern Phoebe	8/19-10/11	8/19-5	22	15	610	54	23
Olive-sided Flycatcher					5	1	<1

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Species	First /Last Capture	Peak Capture	2016 Total	2015 Total	1990 - 2015		
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Eastern Wood-Pewee	7/4-10/13	8/17-2	20	20	382	26	15
Yellow-bellied Flycatcher	8/20-10/2	8/30-2	22	17	521	43	20
Acadian Flycatcher	10/8		1	0	18	2	<1
Traill's Flycatcher	8/15-9/5	9/1-2	5	9	158	18	6
Least Flycatcher	8/18-10/12		6	5	191	15	7
Blue Jay	9/30-10/7	9/30-2	5	0	129	19	5
European Starling					5	5	<1
Red-winged Blackbird	7/4-10/24		3	25	794	134	31
Orchard Oriole					14	8	<1
Baltimore Oriole	7/4-9/12	7/4-2	9	16	542	86	21
Rusty Blackbird	10/5-24	10/5-2	13	15	254	47	10
Common Grackle	7/4-10/25	10/24-23	65	72	1102	116	42
Purple Finch	9/21-10/31	10/13-5	22	6	317	79	12
House Finch	9/20-10/25	10/8-2	6	1	405	148	16
American Goldfinch	8/18-10/17	10/7-2	5	10	547	191	21
Pine Siskin				1	4	2	<1
Savanna Sparrow					4	1	<1
Grasshopper Sparrow					1	1	<1
Nelson's Sparrow					3	1	<1
White-crowned Sparrow	10/9-19	10/19-2	4	4	277	27	11
Gambel's White-crowned Sparrow					4	2	<1
White-throated Sparrow	9/22	10/14-20	158	257	9326	1119	359
American Tree Sparrow				1	28	8	1
Chipping Sparrow	10/23		1	0	26	4	1
Field Sparrow	10/24-25		2	1	72	7	3
Slate-colored Junco	10/7-31	10/31-4	16	44	789	78	30
Song Sparrow	7/4	10/19-4	41	34	1393	140	54
Lincoln Sparrow	9/12-10/14	10/14-2	10	5	315	42	12
Swamp Sparrow	9/23	10/25-5	40	60	1761	239	68
Fox Sparrow	10/22-31	10/25-4	15	15	355	43	14
Eastern Towhee	10/19		1	0	25	4	<1
Northern Cardinal	7/4	8/15-3	49	47	1198	75	46
Rose-breasted Grosbeak	9/11-10/6	9/27-3	11	2	222	28	9
Indigo Bunting	7/4-9/27		4	0	327	58	13
Dickcissel					1	1	<1
Scarlet Tanager	9/11-13		2	1	47	6	2
Purple Martin					1	1	<1
Barn Swallow					14	8	<1
Tree Swallow					5	4	<1
Cedar Waxwing	10/17-31	10/31-3	9	46	583	78	22
Northern Shrike					1	1	<1
Red-eyed Vireo	7/4-10/11	9/9-4	50	67	1692	103	65
Philadelphia Vireo	9/15-10/3	9/24-4	22	7	338	24	13
Warbling Vireo	8/28-10/2	9/10-2	4	22	1282	132	49
Yellow-throated Vireo	9/20		1	0	19	3	<1
Blue-headed Vireo	10/1-19	10/13-2	6	9	283	28	11
White-eyed Vireo				1	25	4	<1

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Black-and-white Warbler	8/23-10/1	9/23-4	29	14	609	45	23
Prothonotary Warbler	7/4-9/7	7/4-5	18	13	193	15	7
Worm-eating Warbler					2	1	<1
Blue-winged Warbler	7/4		1	0	15	2	<1
Brewster's Warbler				1	2	1	<1
Golden-winged Warbler	9/22		1	2	22	3	<1
Nashville Warbler	8/15-10/14	10/9-3	27	24	1045	87	40
Orange-crowned Warbler	10/10		1	1	122	13	5
Tennessee Warbler	9/11-10/9	9/11-8	34	64	2004	232	77
Northern Parula	9/12-10/3		2	3	57	8	2
Cape May Warbler	9/7-10/7	9/30-2	15	21	2670	428	103
Yellow Warbler	7/4-8/22	7/4-20	23	77	1673	207	64
Black-throated Blue Warbler	8/29-10/13	9/1-5	62	49	1147	92	44
Myrtle Warbler	9/24-10/24	10/8-16	79	252	8170	1658	314
Audubon's Warbler					1	1	<1
Magnolia Warbler	8/22-10/8	9/23-13	165	82	4050	266	156
Cerulean Warbler					1	1	<1
Chestnut-sided Warbler	8/22-10/6	8/22-6	24	10	468	38	18
Bay-breasted Warbler	9/1-10/11	9/23-9	57	30	712	57	27
Blackpoll Warbler	8/26-10/31	9/27-108	781	662	13960	1464	537
Blackburnian Warbler	9/4-10/1		6	3	127	11	5
Black-throated Green Warbler	9/1-10/1		7	9	320	30	12
Pine Warbler					15	4	<1
Western Palm Warbler	9/24		1	4	285	54	11
Yellow Palm Warbler					6	6	<1
Prairie Warbler					1	1	<1
Ovenbird	8/22-10/10	9/11-6	81	45	1987	130	76
Northern Waterthrush	8/15-10/7	8/30-3	31	39	764	59	29
Kentucky Warbler					2	1	<1
Connecticut Warbler	9/9-10/7		5	5	210	20	8
Mourning Warbler	8/15-9/21	9/15-2	9	12	295	20	11
Common Yellowthroat	7/4-10/12	9/18-11	137	74	4302	458	165
Yellow-breasted Chat					23	4	<1
Hooded Warbler	8/23		1	0	6	1	<1
Wilson's Warbler	8/26-10/8	9/11-3	17	18	546	62	21
Canada Warbler	8/17-9/21	8/17-2	11	13	237	17	9
American Redstart	8/17-10/7	9/27-7	58	57	2022	158	78
Gray Catbird	7/4-10/24	9/12-26	343	286	7165	452	276
Brown Thrasher	8/17-10/1		5	3	149	13	6
Carolina Wren	7/4		5	4	376	30	14
House Wren	7/4-10/23	8/17-4	52	39	1626	153	63
Winter Wren	9/16-10/31	10/10-6	60	72	1615	158	62
Marsh Wren	8/30		1	3	72	9	3
Brown Creeper	9/25-10/31	10/14-8	44	57	1566	119	60
White-breasted Nuthatch	9/25-10/22	10/22-2	5	4	26	5	1
Red-breasted Nuthatch	9/2-10/22	9/24-2	13	1	316	91	12
Tufted Titmouse					83	12	3

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Black-capped Chickadee	7/4	10/18-4	13	9	123	13	5
Golden-crowned Kinglet	10/2-31	10/10-63	320	272	6540	787	252
Ruby-crowned Kinglet	9/24-10/31	10/10-24	113	257	5543	627	213
Wood Thrush	9/16-10/7	9/18-2	9	3	160	14	6
Veery	8/28-9/21	9/10-3	17	22	564	40	22
Gray-cheeked Thrush	9/9-10/16	9/23-24	209	114	4729	344	182
Bicknell's Thrush				0	2	1	<1
Swainson's Thrush	7/4-10/15	9/27-37	486	532	12805	895	493
Hermit Thrush	10/3-31	10/10-36	170	234	4887	361	188
American Robin	7/4-10/27	10/14-4	28	137	1586	138	61
TOTAL			4,275	4,559	126,014	7,232	4,847