

**Black Swamp Bird Observatory
Navarre Banding Station
Fall 2013 Passerine Migration Monitoring
Latitude 413 Longitude 0830**

The 23rd fall season began daily 18 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 2013 – Navarre - New Bandings only

Date	Number Banded 2013	Accumulative Banded 2013	Birds/Net Hour	Same Date 2012
7-06	67		.62	
7-13	34	101	.37	
7-16		101		74
7-24	47	148	.47	74
7-25		148		90
8-01	70	218	.68	90
8-06		218		112
8-18	24	242	.19	112
8-19	19	261	.13	112
8-20	14	275	.10	112
8-21	23	298	.16	112
8-22	6	304	.05	159
8-23	27	331	.18	203
8-24	10	341	.08	223
8-25	12	353	.09	236
8-26	13	366	.10	250
8-27	3 RAIN	369	.04	250
8-28	15	384	.12	284
8-29	32	416	.25	320
8-30	22	438	.13	350
8-31	17	455	.13	398
9-01	21	476	.15	446
9-02	9	485	.06	491
9-03	15	500	.10	526
9-04	48	548	.33	561
9-05	33	581	.21	601
9-06	42	623	.30	661
9-07	49	672	.35	725
9-08	35	707	.28	754
9-09	27	734	.18	849
9-10	71	805	.52	904
9-11	91	896	.57	968
9-12	189	1085	1.15	1027
9-13	237	1322	1.33	1110

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Date	Number Banded 2013	Accumulative Banded 2013	Birds/Net Hour	Same Date 2012
9-14	152	1474	1.01	1141
9-15	190	1664	1.12	1214
9-16	64	1728	.41	1293
9-17	84	1812	.50	1416
9-18	84	1896	.53	1471
9-19	35	1931	.23	1633
9-20	55	1986	.34	1750
9-21	342	2328	1.49	1935
9-22	128	2456	.68	2107
9-23	59	2515	.36	2235
9-24	49	2564	.30	2369
9-25	49	2613	.29	2519
9-26	37	2650	.25	2629
9-27	48	2698	.30	2722
9-28	48	2746	.31	2863
9-29	119	2865	.74	3042
9-30	338	3203	1.74	3118
10-01	Government	Shutdown		3212
10-02				3212
10-03				3298
10-04				3406
10-05				3744
10-06				4160
10-07				4522
10-08				4807
10-09				4954
10-10				5107
10-11				5295
10-12				5417
10-13				5638
10-14				5693
10-15				5849
10-16				6122
10-17	113	3316	.77	6291
10-18	52	3368	.34	6291
10-19	20	3388	.33	6422
10-20	61	3449	.44	6538
10-21	37	3486	.27	6756
10-22	51	3537	.35	6756
10-23	157	3694	.95	6756
10-24	48	3742	.45	6756
10-25	33	3775	.27	6756
10-26	21	3796	.19	6756
10-27	48	3844	.34	6756
10-30	26	3870	.32	6756

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11-06				6790

Species summary, for the Navarre banding station, fall 2013. Includes first/last capture, peak capture, 2013 new banded total, and the 2012 total for the species.

Last date is only included if the species main migration has passed through the region. 2013 totals bold if surpassed year 2012 totals, blue if surpassed average, and red if record year.

Bird Movement: Very little movement as of the 22nd. Minor movement for the 23rd and 29th but predominant southerly winds through period.

First movement occurred the night of 4 September. Warbler variety and Swainson's Thrush. Week of September 6 saw a slow buildup throughout the week. Blackpoll warbler and Swainson's Thrush the dominants. Major movement morning of the 12th.

Major movement of Cape May and Blackpoll Warblers on 21st.

For week of September 22 we have had Northeast winds the entire time, holding migration back from the beach ridges.

Major movement starting on the 30th and then the Government shuts down. On private property but there is a management agreement.

October 17th indicates a major turnover of species since the end of September.

Updated last: 31 October

Species	First /Last Capture	Peak Capture	2013 Total	2012 Total	1990 - 2012		
					Total	High	Avg
American Woodcock				1	38	7	1
Mourning Dove				1	33	7	1
Sharp-shinned Hawk					13	2	<1
Cooper's Hawk					3	1	<1
Red-tailed Hawk					4	1	<1
Eastern Screech Owl				2	5	2	<1
Yellow-billed Cuckoo					107	13	5
Black-billed Cuckoo	8/30		1	0	6	1	<1
Belted Kingfisher					4	2	<1
Hairy Woodpecker	8/20		1	1	4	1	<1
Downy Woodpecker	7/6	8/1-4	24	25	489	41	21

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Species	First /Last Capture	Peak Capture	2013 Total	2012 Total	1990 - 2012		
					Total	High	Avg
Yellow-bellied Sapsucker	9/24-30	9/24-2	4	8	125	19	5
Red-head Woodpecker					4	2	<1
Red-bellied Woodpecker				2	11	2	<1
Yellow-shafted Flicker	9/24-10/17		2	7	177	18	8
Whip-poor-will					1	1	<1
Ruby-throated Hummingbird	7/24-9/22	9/22-4	23	7	255	58	13
Eastern Kingbird					56	18	3
Great Crested Flycatcher	7/6	7/6-2	2	0	31	9	1
Eastern Phoebe	8/1-9/25	8/1-2	5	21	575	54	25
Olive-sided Flycatcher					5	1	<1
Eastern Wood-Pewee	8/20-10/21	9/22-2	18	17	318	26	14
Yellow-bellied Flycatcher	8/20-9/30	8/25-3	37	13	424	38	18
Acadian Flycatcher				1	18	2	<1
Trail's Flycatcher	8/30-9/12		4	3	140	18	6
Least Flycatcher	8/1-22		3	4	173	15	8
Blue Jay	9/29-10/19		2	2	120	19	5
European Starling					5	5	<1
Red-winged Blackbird	7/6	7/6-6	10	59	743	134	32
Orchard Oriole					14	8	<1
Baltimore Oriole	8/23-9/13		2	5	511	86	22
Rusty Blackbird	10/22-30		2	6	219	47	10
Common Grackle	7/6-9/30	9/10-8	30	70	915	116	40
Purple Finch				29	280	79	12
House Finch				2	404	148	18
American Goldfinch				20	530	191	23
Pine Siskin					1	1	<1
Savanna Sparrow				1	4	1	<1
Grasshopper Sparrow					1	1	<1
Nelson's Sparrow					2	1	<1
White-crowned Sparrow				8	262	27	11
Gambel's White-crowned Sparrow					4	2	<1
White- throated Sparrow	7/6-10/30	10/23-17	116	322	8492	1119	369
American Tree Sparrow					26	8	1
Chipping Sparrow				1	26	4	1
Field Sparrow	10/23		1	1	69	7	3
Slate-colored Junco	9/30-10/30	10/23-3	8	28	693	78	30
Song Sparrow	7/6	7/6-8	44	57	1258	140	55
Lincoln Sparrow	9/17-29		4	6	294	42	13
Swamp Sparrow	9/28-10/27	10/20-3	13	42	1592	239	69
Fox Sparrow	10/18-30	10-30-3	8	15	315	43	14
Eastern Towhee				2	23	4	1
Northern Cardinal	7/6	10/17-4	29	38	1060	75	46
Rose-breasted Grosbeak	9/14-18		2	16	190	21	8
Indigo Bunting	7/6-10/24		4	6	317	58	14
Dickcissel					1	1	<1
Scarlet Tanager	9/12-15		2	4	43	6	2
Purple Martin					1	1	<1

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Barn Swallow					14	8	<1
Tree Swallow					5	4	<1
Cedar Waxwing				3	507	78	22
Northern Shrike					1	1	<1
Red-eyed Vireo	8/18-9/30	9/15-6	52	68	1508	103	66
Philadelphia Vireo	9/15-30		4	9	320	24	14
Warbling Vireo	8/1-9/29	8/1-4	10	4	1233	132	54
Yellow-throated Vireo				1	19	3	<1
Blue-headed Vireo	9/19		1	10	262	28	11
White-eyed Vireo				1	24	4	1
Black-and-white Warbler	7/6-9/30	8/23-3	34	30	526	45	23
Prothonotary Warbler	7/6-9/2	7/6-3	7	9	160	15	7
Worm-eating Warbler					2	1	<1
Blue-winged Warbler					15	2	<1
Brewster's Warbler	9/13		1	0	0	0	0
Golden-winged Warbler	9/10		1	2	17	3	<1
Nashville Warbler	8/29-10/27	9/23-5	31	34	928	87	40
Orange-crowned Warbler	9/29-10/24		2	6	115	13	5
Tennessee Warbler	8/22-10/23	9/13-78	232	140	1543	197	67
Northern Parula	9/29		1	8	50	8	2
Cape May Warbler	9/4-30	9/21-66	126	38	2411	428	105
Yellow Warbler	7/6-9/17	8/1-30	75	30	1477	207	64
Black-throated Blue Warbler	9/1-10/20	9/30-6	39	56	1007	92	44
Myrtle Warbler	9/14-10/27	10/24-16	66	1658	7606	1658	331
Audubon's Warbler	9/30		1	0	0	0	0
Magnolia Warbler	8/23-9/30	9/30-20	102	153	3660	266	159
Cerulean Warbler					1	1	<1
Chestnut-sided Warbler	8/29-9/30	9/13-5	32	22	416	38	18
Bay-breasted Warbler	8/29-9/30	9/15-4	26	32	603	57	26
Blackpoll Warbler	9/3-10/21	9/21-212	837	1169	10997	1169	478
Blackburnian Warbler	8/26-9/29	9/29-3	6	7	111	11	5
Black-throated Green Warbler	9/10-29	9/29-3	7	14	289	30	13
Pine Warbler				1	12	4	<1
Western Palm Warbler	9/13		1	8	264	54	11
Yellow Palm Warbler					6	6	<1
Ovenbird	8/23-9/30	9/14-8	69	93	1794	130	78
Northern Waterthrush	8/19-9/30	8/23-10	59	33	608	56	26
Kentucky Warbler					2	1	<1
Connecticut Warbler	9/12-30	9/21-2	5	11	187	20	8
Mourning Warbler	8/19-9/29	9/11-2	8	7	266	20	12
Common Yellowthroat	7/6-10/23	9/13-5	82	107	4032	458	175
Yellow-breasted Chat	9/30		1	0	22	4	1
Hooded Warbler					6	1	<1
Wilson's Warbler	9/4-22	9/13-4	16	14	484	62	21
Canada Warbler	8/23-9/23		12	8	202	17	9
American Redstart	8/23-10/22	9/13-13	69	69	1806	158	79
Gray Catbird	7/6-10/19	7/24-25	273	325	6172	452	268

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Brown Thrasher	8/18-9/24		2	2	137	13	6
Carolina Wren	7/24	9/10-5	21	10	344	30	15
House Wren	7/6-9/28	8/19-3	32	25	1513	153	66
Winter Wren	9/24-10/30	9/30-7	35	40	1434	158	62
Marsh Wren	7/6		1	5	67	9	3
Brown Creeper	9/22-10/30	10/23-13	42	71	1401	119	61
White-breasted Nuthatch	9/14-15		2	3	15	3	<1
Red-breasted Nuthatch	10/22-25		3	91	311	91	14
Tufted Titmouse				1	82	12	4
Black-capped Chickadee	7/6		7	13	104	13	5
Golden-crowned Kinglet	9/26-10/30	10/23-64	188	248	5637	787	245
Ruby-crowned Kinglet	9/23-10/27	10/23-26	102	115	4922	627	214
Wood Thrush	9/5-19		2	6	140	14	6
Veery	8/23-9/21	9/8-3	17	20	504	40	22
Gray-cheeked Thrush	9/3-10/17	9/14-26	208	234	4064	344	177
Bicknell's Thrush					2	1	<1
Swainson's Thrush	8/24-10/18	9/14-46	407	564	11149	895	485
Hermit Thrush	9/30-10/30	10/17-30	93	265	4205	361	183
American Robin	7/6	10/17-9	20	44	1376	138	60
TOTAL			3,870	6,790	110,562	7,232	4,807