

**Black Swamp Bird Observatory
Navarre Banding Station
Fall 2009 Passerine Migration Monitoring
Latitude 413 Longitude 0830**

The 20th fall season began daily 22 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 2009 – Navarre - New Bandings only

Date	Number Banded 2009	Accumulative Banded 2009	Birds/Net Hour	Same Date 2008
7-04				17
7-05	66		0.72	17
7-13	55	121	0.40	17
7-14		121		51
7-20		121		96
7-27	77	198	0.67	96
8-06	23	221	0.25	125
8-20				142
8-21				157
8-22	48	269	0.27	172
8-23	16	285	0.10	184
8-24	37	322	0.22	200
8-25	15	337	0.11	214
8-26	62	399	0.45	230
8-27	24	423	0.15	235
8-28	8	431	0.07	253
8-29	17	448	0.13	261
8-30	13	461	0.10	297
8-31	44	505	0.32	336
9-01	77	582	0.48	358
9-02	24	606	0.18	377
9-03	12	618	0.10	393
9-04	22	640	0.14	414
9-05	20	660	0.14	436
9-06	21	681	0.14	485
9-07	15	696	0.11	568
9-08	7	703	0.06	642
9-09	15	718	0.12	672
9-10	15	733	0.11	708
9-11	24	757	0.18	754
9-12	10	767	0.08	754
9-13	20	787	0.15	776
9-14	43	830	0.30	811
9-15	50	880	0.39	867
9-16	21	901	0.19	962

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Date	Number Banded 2009	Accumulative Banded 2009	Birds/Net Hour	Same Date 2008
9-17	38	939	0.30	1089
9-18	49	988	0.33	1146
9-19	66	1054	0.46	1216
9-20	41	1095	0.30	1323
9-21	20	1115	0.16	1368
9-22	100	1215	0.60	1412
9-23	80	1295	0.55	1457
9-24	54	1349	0.39	1510
9-25	42	1391	0.35	1632
9-26	127	1518	0.67	1672
9-27	144	1662	0.90	1718
9-28	118	1780	0.98	1784
9-29	131	1911	0.88	1868
9-30	161	2072	0.86	1910
10-01	152	2224	0.83	1987
10-02	RAIN	2224		2168
10-03	96	2320	0.60	2290
10-04	122	2442	0.71	2388
10-05	85	2527	0.58	2477
10-06	101	2628	0.59	2520
10-07	30	2658	0.23	2574
10-08	99	2757	0.58	2574
10-09	RAIN	2757		2724
10-10	159	2916	0.70	2826
10-11	85	3001	0.59	2884
10-12	103	3104	0.67	2957
10-13	55	3159	0.44	3042
10-14	83	3242	1.67	3081
10-15	RAIN	3242		3236
10-16	161	3403	1.47	3295
10-17	175	3578	1.27	3383
10-18	125	3703	0.89	3435
10-19	66	3769	0.46	3497
10-20	110	3879	0.66	3497
10-21	55	3934	0.41	3497
10-22	65	3999	0.47	3497
10-23	RAIN	3999		3497
10-24	79	4078	0.59	3497
10-25	137	4215	0.78	3497
10-27	65	4280	0.39	3497
10-31		4280		3517
11-01	44	4324	0.46	3517
11-09				3535

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Species summary, for the Navarre banding station, fall 2009. Includes first/last capture, peak capture, 2009 new banded total, and the 2008 total for the species.

Last date is only included if the species main migration has passed through the region. 2009 totals bold if surpassed year 2008 totals, blue if surpassed average, and red if record year.

Bird Movement: Minor movement has been observed with 12 species of warbler to date. Major movement of Cedar Waxwings has been seen along the coast. First fair movement occurred on the 1 September with 16 species of warbler captured. Extremely slow the past week with a NE wind settled over Lake Erie. As we get into mid-September NE winds continue to hold bird activity down along the lake. Inland banding sites are seeing much better movement away from the lake. Continued NE wind keeps numbers below average. We are also beginning to notice a much poorer condition to many birds moving through, especially thrushes. Finally something other than a NE wind. Though South quadrant a movement of warblers occurred on the 22nd. Good movement began the 26th September. Lots of thrushes and Blackpoll Warblers. Only the second fall Kentucky Warbler banded at the station. Movement continues on the NW wind. 18 species warbler on 30 September. Considerable stopover noted the past week with nearly as many banded birds encountered as unbanded. October 14 was first major kinglet movement, unfortunately rain cut the day short. Large numbers of kinglets continue with good movements of Hermit Thrush, White-throats, White-crowns, creepers, and Winter Wrens. Week of October 18 saw continued movement of "October" birds with Myrtle Warbler and hermit Thrush taking dominance from the kinglets. Fox Sparrows are still yet to arrive in numbers. The banding station was closed down for the fall on 1 November. Still birds moving with considerable Rusty Blackbirds and White-throated Sparrows.

Updated last: 1 November

Species	First /Last Capture	Peak Capture	2009 Total	2008 Total	1990 - 2008		
					Total	High	Avg
American Woodcock	8/6-10/8		3	4	29	7	2
Mourning Dove				2	30	7	2
Sharp-shinned Hawk	10/1		1	0	10	2	<1
Cooper's Hawk				1	3	1	<1
Red-tailed Hawk				0	4	1	<1
Eastern Screech Owl				1	2	1	<1
Yellow-billed Cuckoo	9/21		1	4	99	13	5
Black-billed Cuckoo				1	6	1	<1
Belted Kingfisher				0	4	2	<1
Hairy Woodpecker	9/26		1	0	2	1	<1

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Downy Woodpecker	7/13	8/22-4	41	22	373	31	20
Yellow-bellied Sapsucker	9/27-10/22	10/3-3	9	5	93	19	5
Red-head Woodpecker				0	4	2	<1
Red-bellied Woodpecker	10/17		1	1	5	2	<1
Yellow-shafted Flicker	9/14	9/25-4	10	14	145	18	8
Whip-poor-will				1	1	1	<1
Ruby-throated Hummingbird	8/26-9/20		7	9	215	58	14
Eastern Kingbird	8/26		1	0	54	18	3
Great Crested Flycatcher	7/5	7/5-2	2	1	26	9	1
Eastern Phoebe	8/6-10/24	8/22-2	18	22	503	54	26
Olive-sided Flycatcher				0	5	1	<1
Eastern Wood-Pewee	8/26-10/12		10	6	254	26	13
Yellow-bellied Flycatcher	8/27-9/26	9/26-3	11	18	346	38	18
Acadian Flycatcher				0	14	2	<1
Trail's Flycatcher	8/23-27		3	6	128	18	7
Least Flycatcher	9/1-2	9/1-2	3	1	153	15	8
Blue Jay	7/27		3	3	109	19	6
European Starling				0	5	5	<1
Red-winged Blackbird	7/5	7/5-8	16	13	636	134	33
Orchard Oriole				0	12	8	<1
Baltimore Oriole	7/5-8/26	8/26-11	22	6	434	86	23
Rusty Blackbird	10/16-20	10/16-2	6	1	191	47	10
Common Grackle	7/5-10/27	10/10-11	56	52	578	87	30
Purple Finch	9/5-10/22	10/14-2	4	3	234	79	12
House Finch				0	402	148	22
American Goldfinch	8/23	10/25-5	19	2	470	191	25
Savanna Sparrow				0	3	1	<1
Nelson's Sparrow				0	2	1	<1
White-crowned Sparrow	10/10-25	10/17-5	23	3	208	27	11
Gambel's White-crowned Sparrow				2	3	2	<1
White-throated Sparrow	9/16-11/1	10/12-26	291	277	7211	1119	380
American Tree Sparrow				0	23	8	1
Chipping Sparrow	10/12		1	1	22	4	1
Field Sparrow	10/12-27	10/12-2	6	1	58	7	3
Slate-colored Junco	10/1-11/1	10/20-8	28	10	600	78	32
Song Sparrow	7/5	7/5-6	30	14	1097	140	58
Lincoln Sparrow	9/26-10/16	9/26-3	12	5	257	42	14
Swamp Sparrow	9/20-11/1	10/6-5	24	25	1455	239	77
Fox Sparrow	10/8-11/1	10/8-2	8	8	237	43	12
Eastern Towhee				4	18	4	<1
Northern Cardinal	7/5	10/18-4	40	45	874	75	46
Rose-breasted Grosbeak	9/10-10/7		5	1	151	21	8
Indigo Bunting	7/5-10/11	7/5-3	7	4	291	58	15
Dickcissel				0	1	1	<1
Scarlet Tanager	9/30-10/3		2	1	33	6	2
Purple Martin				0	1	1	<1
Barn Swallow				0	14	8	<1
Tree Swallow				0	5	4	<1

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Cedar Waxwing	8/22-10/25	10/16-8	46	9	416	78	22
Northern Shrike				0	1	1	<1
Red-eyed Vireo	8/23-10/11	10/4-4	47	39	1237	103	65
Philadelphia Vireo	9/11-10/13	9/30-2	10	10	277	24	15
Warbling Vireo	7/13-9/1	8/26-24	59	18	1128	132	59
Yellow-throated Vireo	9/30		1	1	15	3	<1
Blue-headed Vireo	9/24-10/18	9/26-9	28	13	202	23	11
White-eyed Vireo	9/26		1	3	22	4	1
Black-and-white Warbler	8/24-9/27	8/24-2	13	15	415	45	22
Prothonotary Warbler	7/5-8/30		6	3	126	15	7
Worm-eating Warbler				0	2	1	<1
Blue-winged Warbler				0	14	2	<1
Golden-winged Warbler				0	13	3	<1
Nashville Warbler	8/27-10/27	9/26-7	50	49	692	66	36
Orange-crowned Warbler	10/5-25	10/13-2	7	7	83	10	4
Tennessee Warbler	8/26-10/25	9/30-3	23	22	1158	197	61
Northern Parula	9/30-10/10		3	2	27	6	1
Cape May Warbler	9/22-10/10	9/29-14	47	19	2159	428	114
Yellow Warbler	7/5-9/22	7/27-35	75	28	1251	207	66
Black-throated Blue Warbler	8/27-10/12	9/30-7	64	78	762	78	40
Myrtle Warbler	9/27	10/24-35	196	228	5055	945	266
Magnolia Warbler	8/24-10/11	8/31-13	124	103	2980	266	157
Cerulean Warbler				0	1	1	<1
Chestnut-sided Warbler	8/23-9/30	9/1-8	13	13	341	38	18
Bay-breasted Warbler	9/5-10/4	10/4-5	17	12	464	54	24
Blackpoll Warbler	9/6-10/24	9/27-71	539	319	7125	890	375
Blackburnian Warbler	9/1-10/1		5	3	82	8	4
Black-throated Green Warbler	9/1-10/25		8	9	231	30	12
Pine Warbler				0	8	4	<1
Western palm Warbler	9/28-10/6	9/28-2	4	7	245	54	13
Yellow palm Warbler				0	6	6	<1
Ovenbird	8/27-10/25	9/30-6	63	76	1436	130	76
Northern Waterthrush	7/27-10/8	8/24-3	31	21	494	56	26
Kentucky Warbler	9/26		1	0	1	1	<1
Connecticut Warbler	9/11-10/10		6	3	151	20	8
Mourning Warbler	8/23-9/29	9/1-5	14	6	217	20	11
Common Yellowthroat	7/13-10/20	7/27-13	83	90	3576	458	188
Yellow-breasted Chat				1	21	4	1
Hooded Warbler				0	4	1	<1
Wilson's Warbler	8/31-9/26	9/1-3	13	5	409	62	22
Canada Warbler	8/29-9/10	9/1-5	9	9	154	17	8
American Redstart	8/24-10/10	9/28-12	50	52	1538	158	81
Gray Catbird	7/5-10/25	7/13-26	272	288	4928	452	259
Brown Thrasher	7/5-10/19		7	2	108	13	6
Carolina Wren	7/5	7/27-2	8	19	313	30	16
House Wren	7/5-10/18	9/26-5	52	68	1385	153	73
Winter Wren	9/19-11/1	10/17-8	89	38	1218	158	64
Marsh Wren	9/4-10/11		4	4	48	9	2

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Brown Creeper	9/19-11/1	10/25-10	81	33	1098	119	58
White-breasted Nuthatch	10/22		1	0	10	2	<1
Red-breasted Nuthatch	9/26-10/25	10/4-2	8	1	193	34	10
Tufted Titmouse				1	71	12	4
Black-capped Chickadee	7/5		11	3	65	8	3
Golden-crowned Kinglet	10/1-11/1	10/17-58	285	160	4486	787	236
Ruby-crowned Kinglet	9/19-11/1	10/17-40	245	99	4195	627	221
Wood Thrush	8/23-10/19		10	6	109	14	6
Veery	8/24-10/20	9/15-2	15	32	424	40	22
Gray-cheeked Thrush	9/6-10/8	9/26-16	164	223	3047	260	160
Bicknell's Thrush				0	2	1	<1
Swainson's Thrush	8/29-11/1	10/1-33	350	434	8996	895	473
Hermit Thrush	10/1	10/25-35	239	186	3251	361	171
American Robin	7/5-10/25	10/16-27	102	65	1130	138	59
TOTAL			4,324	3,535	87,824	7,232	4,617