

Shenandoah Audubon Bluebird Trail at Blandy Experimental Farm Data Comparisons for Years 2004 – 2012

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	Nine-Year Totals
First Egg Date	3 Apr	11 Apr	6 Apr	16 Apr	11 Apr	7 Apr	7 Apr	22 Mar	26 Mar	
Nesting Attempts	43	52	69	89	80	72	31	49	77	562
Eggs Laid	191	235	298	346	344	286	134	210	316	2360
Eggs Lost	50	86	57	147	72	48	26	39	86	611
Unhatched Eggs							5	5	22	32
Nestlings	141	149	241	199	272	231	103	166	208	1710
Nestlings Lost	12	33	20	28	47	26	6	12	10	194
Fledged	129	116	221	171	225	205	97	154	198	1516
Fecundity	67.5%	49.4%	74.2%	49.4%	65.4%	71.6%	72.4%	73.3%	62.6%	Overall 64.2%

Fecundity (survivorship) = birds fledged/eggs laid x 100

Tree Swallow – *Tachycineta bicolor*

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	Nine-Year Totals
First Egg Date	6 May	20 Apr	26 Apr	4 May	21 Apr	23 Apr	27 Apr	1 May	24 Apr	
Nesting Attempts	65	79	54	55	56	69	90	92	96	656
Eggs Laid	346	429	256	276	262	349	433	481	504	3336
Eggs Lost	56	161	69	110	65	64	90	80	94	789
Unhatched Eggs							6	13	10	29
Nestlings	290	268	187	166	197	279	337	388	400	2512
Nestlings Lost	5	94	7	17	8	24	28	4	29	216
Fledged	285	174	180	149	189	255	309	384	371	2296
Fecundity	82.3%	40.5%	70.3%	54.0%	72.13%	73.1%	71.4%	79.8%	73.6%	Overall 68.8%

Fecundity (survivorship) = birds fledged/eggs laid x 100

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Prepared by Kaycee Lichliter, Trail Manager 12/18/12

House Wren - *Troglodytes aedon*

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	Nine-Year Totals
First Egg Date	2 May	9 May	5 May	7 May	3 May	8 May	6 May	2 May	23 March	
Nesting Attempts	51	67	78	72	78	53	56	52	28	535
Eggs Laid	269	362	440	371	410	267	283	296	151	2849
Eggs Lost	95	122	115	178	86	53	45	65	34	793
Unhatched Eggs							6	9	2	17
Nestlings	174	240	325	193	324	209	232	222	115	2034
Nestlings Lost	22	68	61	28	38	14	16	18	13	278
Fledged	152	172	264	165	286	196	216	204	102	1757
Fecundity	56.5%	47.5%	60.0%	44.5%	69.8%	73.4%	76.3%	68.9%	67.5%	Overall 61.6%

Fecundity (survivorship) = birds fledged/eggs laid x 100

Tufted Titmouse – *Parus bicolor*

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	Nine-Year Totals
First Egg Date	N/A	N/A	20 April	N/A	N/A	N/A	N/A	N/A	N/A	
Nesting Attempts	0	0	1	0	0	0	0	0	0	1
Eggs Laid	0	0	3	0	0	0	0	0	0	3
Eggs Lost	0	0	3	0	0	0	0	0	0	3
Unhatched Eggs	0	0	0	0	0	0	0	0	0	0
Nestlings	0	0	0	0	0	0	0	0	0	0
Nestlings Lost	0	0	0	0	0	0	0	0	0	0
Fledged	0	0	0	0	0	0	0	0	0	0
Fecundity	0%	0%	0%	0%	0%	0%	0%	0%	0%	Overall 0%

Fecundity (survivorship) = birds fledged/eggs laid x 100

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Carolina Chickadee – *Poecile carolinensis*

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	Nine-Year Totals
First Egg Date	2 May	22 April	12 April	25 April	29 April	30 April	17 April	23 April	6 April	
Nesting Attempts	1	2	3	1	1	1	3	2	1	15
Eggs Laid	1	13	17	5	5	2	18	13	7	81
Eggs Lost	1	4	14	5	1	2	4	12	7	50
Unhatched Eggs							0	1	0	1
Nestlings	0	9	3	0	4	0	14	0	0	30
Nestlings Lost	0	0	3	0	4	0	0	0	0	7
Fledged	0	9	0	0	0	0	14	0	0	23
Fecundity	0%	69.2%	0%	0%	0%	0%	77.8%	0%	0%	Overall 28.3%

Fecundity (survivorship) = birds fledged/eggs laid x 100

BAND DATA HISTORY – Eastern Bluebirds ONLY

Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Totals
Adults USGS Banded	5	0	0	0	0	13	0	1-♀	0	0	0	0	18
Color-banded Adult males	0	0	0	0	0	4	0	0	0	0	0	0	4
Color-banded Adult females	0	0	0	0	0	9	0	0	0	0	0	0	9
Color-banded Hatchlings	0	0	0	0	0	0	94 <i>light green</i>	205 <i>black</i>	148 <i>purple</i>	0	18 <i>white</i>	0	465
Hatchlings USGS Banded	77	120	30	105	113	215	94	205	158	0	18	0	1135

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