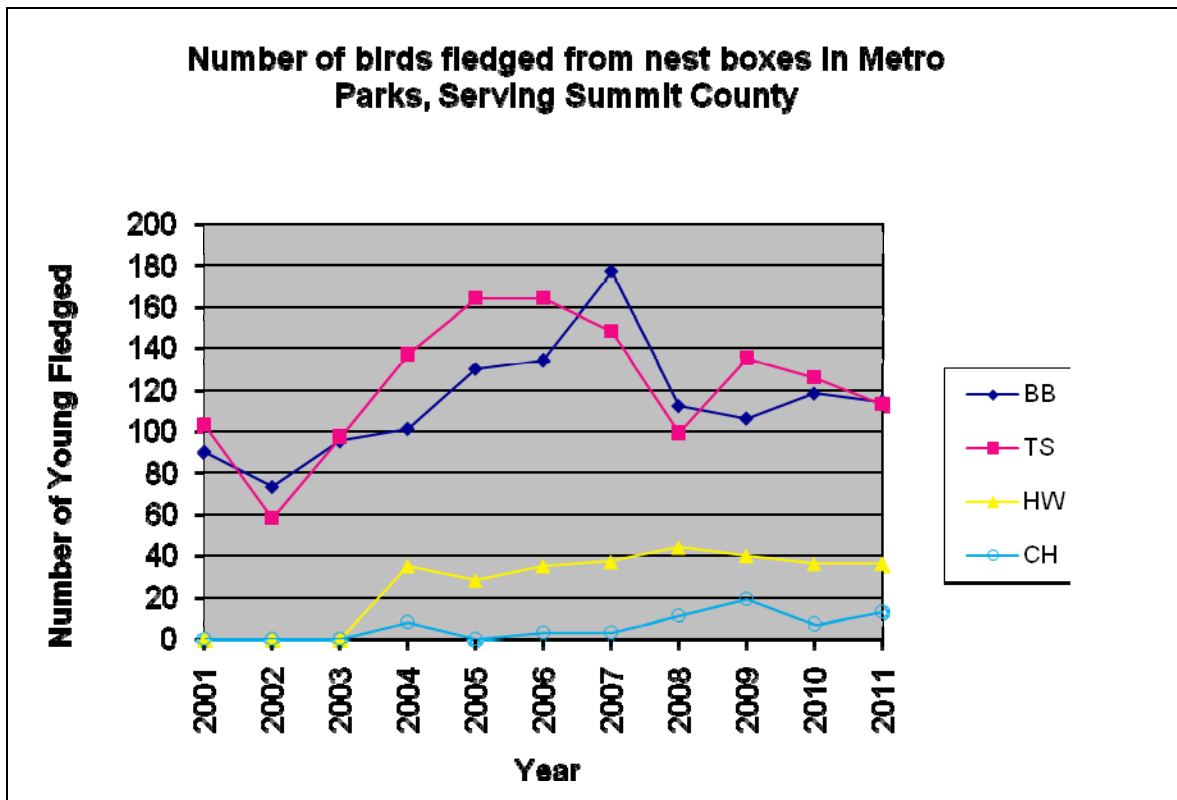


Bird House Monitoring Summary 2011

Volunteers continued to monitor bird houses this year in the Metro Parks, managing for native cavity nesting species. Quick Road Conservation Area, Clinton Towpath, Liberty Park, Nature Realm, Cascade Valley, Hampton Hills, O'Neil Woods, Firestone, Goodyear Heights, Silver Creek and Munroe Falls Metro Parks contain 92 (not including LP) bird boxes being maintained through this program. The boxes are checked once a week from late March through early August. Non-native cavity nesting species such as house sparrows are discouraged from nesting, while the nesting success of native species such as black-capped chickadees, eastern bluebirds, tree swallows, and house wrens is monitored.

The graph below illustrates the total numbers of birds fledged in all the boxes from 2001-2011. Chickadees are the only native species that increased its nesting success in 2011. A continued decrease in nesting success was documented for tree swallows. Nesting success for house wrens remained the same.



The numbers of birds fledged of each species from each park are listed in Tables 1 through 4. The percent success of each species is demonstrated by the number of birds fledged divided by the number of eggs laid. The nesting success varies slightly from year to year. Various factors effect nesting success such as unexpected weather events or changes in food availability.

The bird box monitoring program will continue next year. No new boxes will be added to the program. Selected boxes throughout the program will be removed based on lack of use by native species or continued use by non-native house sparrows.

Table I. Eastern Bluebird reproductive success in Metro Parks, Serving Summit County, 2000-2011.

Bluebirds	F.A. Seiberling Naturealm		Firestone Metro Park		Hampton Hills Metro Park		O'Neil Woods Metro Park		Quick Rd Conservatio n Area		Silver Creek Metro Park		Cascade Valley Metro Park		Munroe Falls Metro Park		Goodyear Heights Metro Park		Clinton Towpath		Liberty Park	
	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success
2000	0	0%	N/A	N/A	9	69 %	38	76 %	9	90%	unk	unk	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2001	0	N/A	unk	unk	15	52 %	39	61 %	4	67%	32	unk	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2002	N/A	N/A	0	0%	5	31 %	40	65 %	5	19%	23	51%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2003	3	60%	0	0%	15	83 %	35	80 %	10	59%	32	76%	0	0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2004	6	86%	5	100 %	14	93 %	30	88 %	14	78%	29	74%	3	23%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2005	9	100 %	unk	unk	19	70 %	39	64 %	13	76%	27	66%	8	62%	14	82%	1	25 %	N/A	N/A	N/A	N/A
2006	3	75%	4	80%	16	47 %	46	71 %	18	78%	10	100 %	12	67%	7	100 %	9	60 %	9	100 %	N/A	N/A
2007	21	100 %	0	0%	20	56 %	25	66 %	10	56%	53	85%	8	73%	14	78%	8	57 %	10	67%	8	100 %
2008	14	70%	0	0%	17	85 %	35	64 %	10	31%	9	100 %	3	18%	8	75%	0	0%	16	100 %	N/A	N/A
2009	11	55%	0	0%	22	85 %	24	51 %	13	54%	5	100 %	0	0%	15	83%	8	75 %	13	76%	N/A	N/A
2010	9	100 %	0	0%	12	40 %	29	58 %	22	85%	14	61%	7	54%	17	94%	8	89 %	0	0%	N/A	N/A
2011	9	64%	0	100 %	12	80 %	27	77 %	16	76%	9	100 %	12	100 %	13	72%	6	75 %	19	95%	N/A	N/A

Table 2. Black-capped Chickadee reproductive success in Metro Parks, Serving Summit County, 2000-2011.

Chickadees	F.A. Seiberling Naturealm		Firestone Metro Park		Hampton Hills Metro Park		O'Neil Woods Metro Park		Quick Rd Conservation Area		Silver Creek Metro Park		Cascade Valley Metro Park		Munroe Falls Metro Park		Goodyear Heights Metro Park		Clinton Towpath		Liberty Park	
	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success
2004	8	80%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	N/A	N/A	N/A	N/A	N/A	N/A
2005	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	N/A	N/A	N/A	N/A	N/A	N/A
2006	3	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	N/A	N/A
2007	3	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0
2008	0	0%	5	100%	N/A	N/A	6	40%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%		
2009	11	100%	4	100%	N/A	N/A	N/A	N/A	0	0%	4	67%	0	0%	0	0%	0	0%	0	0%		
2010	0	0%	9	100%	0	0%	7	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	N/A	N/A
2011	0	0%	0	0%	0	0%	0	0%	0	0%	5	100%	8	100%	0	0%	0	0%	0	0%	N/A	N/A

Table 3. Tree Swallow reproductive success in Metro Parks, Serving Summit County 2000-2011.

Tree Swallows	F.A. Seiberling Naturealm		Firestone Metro Park		Hampton Hills Metro Park		O'Neil Woods Metro Park		Quick Rd Conservatio n Area		Silver Creek Metro Park		Cascade Valley Metro Park		Munroe Falls Metro Park		Goodyear Heights Metro Park		Clinton Towpath		Liberty Park	
	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success
2000	0	N/A	N/A	N/A	16	100 %	17	68 %	10	77%	unk	unk	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2001	0	N/A	unk	unk	13	72%	38	60 %	15	68%	37	100 %	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2002	N/A	N/A	3	50%	10	55%	27	56 %	4	24%	14	70%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2003	0	0%	0	0%	15	71%	38	86 %	12	67%	27	85%	5	100 %	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2004	11	100 %	8	unk	21	88%	39	83 %	13	76%	37	60%	8	73%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2005	12	63%	unk	unk	23	82%	40	78 %	15	94%	47	85%	13	93%	5	100 %	9	100 %	N/A	N/A	N/A	N/A
2006	16	73%	15	94%	15	75%	37	86 %	12	71%	35	71%	15	79%	4	67%	6	75%	9	100 %	N/A	N/A
2007	6	100 %	14	78%	17	94%	22	48 %	13	57%	38	100 %	13	72%	6	100 %	6	67%	3	100 %	10	90 %
2008	6	60%	8	89%	18	64%	27	73 %	20	91%	3	100 %	12	100 %	5	83%	0	0%	N/A	N/A	N/A	N/A
2009	13	93%	7	78%	14	47%	33	65 %	15	65%	20	53%	13	72%	9	82%	6	55%	5	100 %	N/A	N/A
2010	5	56%	3	100 %	21	66%	43	72 %	9	45%	21	75%	7	70%	7	64%	10	100 %	N/A	N/A	N/A	N/A
2011	13	100 %	2	100 %	14	70%	39	58 %	14	61%	14	93%	11	73%	8	73%	8	73%	4	67%	N/A	N/A

Table 4. House Wren reproductive success in Metro Parks, Serving Summit County 2000-2011.

House wrens	F.A. Seiberling Naturealm		Firestone Metro Park		Hampton Hills Metro Park		O'Neil Woods Metro Park		Quick Rd Conservatio n Area		Silver Creek Metro Park		Cascade Valley Metro Park		Munroe Falls Metro Park		Goodyear Heights Metro Park		Clinton Towpath		Liberty Park	
	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success	# fledged	% success
2004	10	100 %	15	unk	0	0%	0	0%	0	0%	5	36%	5	100 %	0	0%	0	0%	0	0%	N/A	N/A
2005	5	42%	unk	unk	0	0%	0	0%	0	0%	0	0%	23	96%	0	0%	0	0%	0	0%	N/A	N/A
2006	20	95%	0	0%	0	0%	0	0%	0	0%	12	100 %	17	77%	0	0%	0	0%	6	100 %	N/A	N/A
2007	0	0%	11	100 %	0	0%	0	0%	0	0%	22	88%	15	94%	0	0%	0	0%	0	0%	0	0%
2008	9	90%	12	100 %	0	0%	0	0%	0	0%	11	73%	5	100 %	7	100 %	0	0%	0	0%	N/A	N/A
2009	0	0%	22	100 %	0	0%	0	0%	0	0%	4	100 %	4	24%	10	77%	0	0%	0	0%	N/A	N/A
2010	16	100 %	N/A	N/A	0	0%	0	0%	0	0%	3	38%	5	83%	5	71%	7	100	0	0%	N/A	N/A
2011	9	100 %	0	0%	0	0%	0	0%	0	0%	0	0%	3	60%	0	0%	7	100 %	0	0%	N/A	N/A