

Appendix 1: eBird checklist sample sizes by species and by year. "Total checklists" indicates the total number of eBird checklists collected in the range of our study for that year; "Checklists with a Vaux's/Chimney Swift" indicate the total number of eBird checklists with an observation of that species in that year.

Year	Total Checklists	Checklists with a Vaux's Swift	Checklists with a Chimney Swift
2009	331504	1348	17982
2010	492148	1902	25092
2011	655360	2575	36006
2012	985024	3887	52500
2013	1377989	5166	65043
2014	1762870	7168	86752
2015	2123528	8153	98761
2016	2554252	10848	112209
2017	3143127	14068	129178
2018	3897207	19160	158376